

SAMSUNG

LCD-TV

Chassis
NF32UO

Model
LTP326W

***SERVICE* Manual**

LCD-TV



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4 Alignments and Adjustments

4-1 Factory Mode Adjustments

4-1-1 Entering Factory Mode

1. To enter "Service Mode" Press the remote -control keys in this sequence :

- If you do not have Factory remote - contro



- If you have Factory remote - control



| | |
|------------------|------|
| 1. Calibration | |
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01. Calibration

| 1. Calibration | Selected Source | RF | Video | S.Video | Caption (ScartRGB) | Component | PC | DVI/HDMI |
|-----------------|-----------------|----|-------|---------|--------------------|-------------------------|-------------------------|----------|
| DTV Calibration | | - | | | | White Balance Alignment | - | - |
| PC Calibration | | - | | | | - | White Balance Alignment | - |

4 Alignments and Adjustments

02. Option

| 2. Option | Regional Option | EU | USA | Korea | Japan | Southeast Asia | | |
|---------------------------------------|-----------------|--------------|-----|-------|-------|----------------|--|--|
| DebugExpress | off | Off | | | | | | |
| LNA | On | On | | | | | | |
| Vchip | On | Off | On | Off | Off | Off | | |
| VchipArea | On | Off | USA | Off | Off | Off | | |
| Melody Volume | 10 | 10 | | | | | | |
| DNleDemo | On | On | | | | | | |
| I2c Bus Stop | Off | Off | | | | | | |
| Video Mute | 3 | 3 | | | | | | |
| Decs Demo [PW565 Gamma Correction] | On | On | | | | | | |
| YB1 [PW565 Gamma Correction] | 120 | 120 | | | | | | |
| YB2 [PW565 Gamma Correction] | 200 | 200 | | | | | | |
| Xth1 [PW565 Gamma Correction] | 110 | 110 | | | | | | |
| Xth2 [PW565 Gamma Correction] | 190 | 190 | | | | | | |
| Sub-Woofer | Off | Off | | | | | | |
| Corner Freq. | 15 | 15 | | | | | | |
| NR | On | On | | | | | | |
| PCC | Off | Off | | | | | | |
| Panel Life Time: | Day h m | 0Day 17h 04m | | | | | | |

03. Color Control

| 3. Color Control | Selected Source | RF | Video | S.Video | Caption (Scart RGB) | Component | PC | DVI/HDMI |
|---------------------|-----------------|--|-------|---------|---------------------|----------------------------------|--|----------|
| PW565 white balance | | | | | | | | |
| Sub-Brightness | 128 | Low Light Luminance Level Adjust (124)->(146)->(153) -.NTSC: 265/265 1.6[cd/m2] | | | | Low Light Luminance Level Adjust | Low Light Luminance Level Adjust -.NTSC: 265/265 1.6[cd/m2] | |
| Red Offset | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Green Offset | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Blue Offset | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Sub-Contrast | 100 (Fixed) | 60 | | | | 60 | 60 | |
| Red Gain | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Green Gain | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Blue Gain | 128 (Fixed) | 128 | | | | 128 | 128 | |
| DNIe white balance | | | | | | | | |
| Sub-Brightness | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Red Offset | 128 | Low Light Alignment (x) -.NTSC: 265/265 1.6[cd/m2] | | | | Low Light Alignment (x) | Low Light Alignment (x) -.NTSC: 265/265 1.6[cd/m2] | |
| Green Offset | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Blue Offset | 128 | Low Light Alignment (y) -.NTSC: 265/265 1.6[cd/m2] | | | | Low Light Alignment (y) | Low Light Alignment (y) -.NTSC: 265/265 1.6[cd/m2] | |
| Sub-Contrast | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Red Offset | 128 | Low Light Alignment (x) -.NTSC: 265/265 1.6[cd/m2] | | | | Low Light Alignment (x) | Low Light Alignment (x) -.NTSC: 265/265 1.6[cd/m2] | |
| Green Offset | 128 (Fixed) | 128 | | | | 128 | 128 | |
| Blue Offset | 128 | Low Light Alignment (y) -.NTSC: 265/265 1.6[cd/m2] | | | | Low Light Alignment (y) | Low Light Alignment (y) -.NTSC: 265/265 1.6[cd/m2] | |

* Luminance alignment at Low Light White Balance of Component Source (PW565 Sub-Brightness)

-. 1080i/720p Sub-Brightness: Align White Balance using ABL Pattern

-. 480i/480p Sub-Brightness: Micom Offset Formula = (Aligned Sub-Brightness Value at 1080i/720p) - 4

* White Balance Alignment Spec.

-. Low Light (Y,x/y) = 1.6 +/- 0.2 , 265/265 +/- 5

-. High Light (Y, x/y) = 45 +/- 10 , 265/265 +/- 5

04. PW565

| 4. PW565 | Selected Source | RF | Video | S.Video | Caption (Scart RGB) | Component | PC | DVI/HDMI |
|--------------|-----------------|-----|-------|---------|---------------------|-----------|----|----------|
| Red Gain | 128 (Fixed) | 128 | | | | | | |
| Green Gain | 128 (Fixed) | 128 | | | | | | |
| Blue Gain | 128 (Fixed) | 128 | | | | | | |
| Red Offset | 128 (Fixed) | 128 | | | | | | |
| Green Offset | 128 (Fixed) | 128 | | | | | | |
| Blue Offset | 128 (Fixed) | 128 | | | | | | |

05. VPC3230

| 5. VPC3230 | Selected Source | RF | Video | S.Video | Caption (Scart RGB) | Component | PC | DVI/HDMI |
|---|-----------------|---|-------|---------|---------------------|------------|----|----------|
| CT | 30 | 30 | | | | Don't care | | |
| BR | 90 | User Brightness Level (00 ~ 50): 7D User Brightness Level (50~100): 7D~90, Linear User Brightness Level (100): 90 | | | | Don't care | | |
| ACC_SAT | 90 | A5 | | | | Don't care | | |
| TINT | 32 | 2E | | | | Don't care | | |
| SATCb | 24 | 24 | | | | Don't care | | |
| SATCr | 2B | 2B | | | | Don't care | | |
| CIPTINT | 1F | Don't care | | | 20 | Don't care | | |
| CIPBR | C5 | Don't care | | | B5 | Don't care | | |
| CIPCT | 29 | Don't care | | | 2A | Don't care | | |
| PFS [Horizontal LPF for Y/C] | 00 | 02 | 02 | | | Don't care | | |
| PK | 00 | 01 | | | | Don't care | | |
| VPK | 02 | 05 | | | | Don't care | | |
| LPF2 | 00 | 00 | | | Don't care | Don't care | | |
| CBW2 [Hor. LPF for high-resolution Chroma] | 00 | 00 | | | Don't care | Don't care | | |
| CBW [Chroma Bandwidth Selector] | 03 | 03 | | | Don't care | Don't care | | |
| IFC | 03 | 03 | 00 | | Don't care | Don't care | | |
| KILVL | 0A | 0B | | | Don't care | Don't care | | |
| LDLY | 09 | 07 | | | | Don't care | | |
| PKCOR | 00 | 01 | | | | Don't care | | |
| FB_GAIN | 22 | Don't care | | | 22 | Don't care | | |

06. ADC

| 6. ADC | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|--------------|-----------------|------------|-------|---------|---------------------|-----------|----|------------|
| Red Gain | 8C | Don't care | | | | 8C | 8C | Don't care |
| Green Gain | 8C | Don't care | | | | 8C | 8C | Don't care |
| Blue Gain | 8C | Don't care | | | | 8C | 8C | Don't care |
| Red Offset | 7E | Don't care | | | | 7E | 7E | Don't care |
| Green Offset | 7E | Don't care | | | | 7E | 7E | Don't care |
| Blue Offset | 7E | Don't care | | | | 7E | 7E | Don't care |
| Current | 00 | Don't care | | | | 00 | 00 | Don't care |
| VCO | 00 | Don't care | | | | 00 | 00 | Don't care |
| Pr Gain | A0 | Don't care | | | | A0 | A0 | Don't care |
| Y Gain | A0 | Don't care | | | | A0 | A0 | Don't care |
| Pb Gain | A0 | Don't care | | | | A0 | A0 | Don't care |
| Pr Offset | 7F | Don't care | | | | 7F | 7F | Don't care |
| Y Offset | 7F | Don't care | | | | 7F | 7F | Don't care |
| Pb Offset | 7F | Don't care | | | | 7F | 7F | Don't care |

07. DNIE

| 7. DN1e | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|--|-----------------|-------|-------|---------|---------------------|-----------|-----|----------|
| Pattern SEL | 0 | 0 | | | | | | |
| NR_LimitY | 125 | (125) | | | | | | |
| NR_LimitC | 129 | (129) | | | | | | |
| NR_SEL | 2 | 2 | | | | | | |
| DEP_Gain1_X [Horizontal High Frequency] | 49 | (15) | 20 | | | 10 | -> | |
| DEP_Gain1_Y [Vertical High Frequency] | 6 | (15) | 20 | | | 10 | -> | |
| DEP_Gain2_X [Horizontal Low Frequency] | 9 | (3) | 10 | | | 5 | -> | |
| DEP_Gain2_Y [Vertical Low Frequency] | 5 | (3) | 10 | | | 5 | -> | |
| DEP_Scale_R | 64 | (30) | 45 | | | 35 | -> | |
| DEP_SUP_SCALEDTH1 | 3 | 3 | | | | | 3 | |
| DEP_SUP_SCALEDTHF | 107 | 107 | | | | | 107 | |
| WTE_MCCT_FAC | 150 | 150 | | | | | 150 | |
| DCE_Adap_SEL | 2 | 2 | | | | 2 | 2 | |
| BS_Tilt [Black Stretch] | 80 (64) | 80 | | | | | 64 | |
| BS_GainMax [Black Stretch] | 330 (330) | 330 | | | | | | |
| NE_Core | 3 | 3 | | | | | | |
| NE_RTH2 | 3 | 3 | | | | | | |
| CTE_H_Min | 60 | (6) | | | | | | |

08. MDIN-150

| 8. MDIN-150 | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|--------------------------------|-----------------|-------|-------|---------|---------------------|------------|----|----------|
| Front Noise Reduction Filter | | | | | | | | |
| Noise_Redaction_Flt0 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt1 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt2 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt3 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt4 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt5 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt6 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt7 | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt_ON | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt_Difference | 0 | 0 | | | | Don't care | | |
| Medeian_Flt_On | 0 | 0 | | | | Don't care | | |
| Medeian_Flt_Difference | 0 | 0 | | | | Don't care | | |
| Noise_Redaction_Flt_Diff_Sel | 0 | 0 | | | | Don't care | | |
| Horizontal Peaking Filter | | | | | | | | |
| H_peaking_Flt0 | 256 | (256) | | | | Don't care | | |
| H_peaking_Flt1 | 0 | 0 | | | | Don't care | | |
| H_peaking_Flt2 | 896 | (896) | | | | Don't care | | |
| H_peaking_Flt3 | 0 | 0 | | | | Don't care | | |
| H_peaking_Flt4 | 0 | 0 | | | | Don't care | | |
| H_peaking_Flt5 | 0 | 0 | | | | Don't care | | |
| H_peaking_Flt6 | 0 | 0 | | | | Don't care | | |
| H_peaking_Flt7 | 0 | 0 | | | | Don't care | | |
| H_peaking_Flt_Enable | 1 | 1 | | | | Don't care | | |
| H_peaking_Flt_Gain | 0 | (8) | | | | Don't care | | |
| H_peaking_No_Sum | 0 | 0 | | | | Don't care | | |
| H_peaking_Inverse | 0 | 0 | | | | Don't care | | |
| Edge Enhancement Filter | | | | | | | | |
| Edge_Cor_Offset | 0 (4~8) | 4 | | | | Don't care | | |
| Edge_Enh_Level | 0 | 1 | | | | Don't care | | |
| Edge_Enh_2D_Flt_Enable | 1 | 1 | | | | Don't care | | |

| 8. MDIN-150 | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|---------------------|-----------------|------|-------|---------|---------------------|------------|----|----------|
| Input Test Pattern | | | | | | | | |
| In_Test_RGB | 0 | 0 | | | | Don't care | | |
| In_Test_Ptrn | 0 | 0 | | | | Don't care | | |
| In_Test_Format | 0 | 0 | | | | Don't care | | |
| Output Test Pattern | | | | | | | | |
| Out_Test_Ptrn | 0 | 0 | | | | Don't care | | |
| Out_Dark_Scrn_Main | 0 | 0 | | | | Don't care | | |
| Deinterlace Control | | | | | | | | |
| deint_Mode | 1 | 1 | | | | Don't care | | |
| Deint_C_Delay | 0 | 0 | | | | Don't care | | |
| Median_Tap | 1 | (1) | | | | Don't care | | |
| Expander_Tap | 1 | 1 | | | | Don't care | | |
| Dent_Thres | 24 | (16) | | | | Don't care | | |
| Fast_Mode | 1 | 1 | | | | Don't care | | |
| N_Median_Tap | 1 | (0) | | | | Don't care | | |
| D_Fast_Mode_Tress | 4 | (3) | | | | Don't care | | |
| N_Deint_Thres | 24 | (22) | | | | Don't care | | |
| Very_Fast_En | 1 | 1 | | | | Don't care | | |
| Deint_Edge_En | 2 | 2 | | | | Don't care | | |
| Deint_Edge_thres | 255 | 255 | | | | Don't care | | |
| Film_Invaild_Lines | 8 | 8 | | | | Don't care | | |
| Film32_Mo_Thres | 160 | 160 | | | | Don't care | | |
| Film_Mode | 5 | 5 | | | | Don't care | | |
| D_Film_Slide_Cnt | 0 | 0 | | | | Don't care | | |
| D_Film_Mode_Cor | 40 | 40 | | | | Don't care | | |
| Deint_Film_Puls | 1 | 1 | | | | Don't care | | |
| Deint_Film_Minus | 3 | 3 | | | | Don't care | | |
| Deint_Film_Max | 3 | 3 | | | | Don't care | | |
| Deint_Film_Min | 0 | 0 | | | | Don't care | | |
| Film_Mode_Thres | 5 | 5 | | | | Don't care | | |
| Bad_Edit_En | 1 | 1 | | | | Don't care | | |
| Caption_Mode | 3 | 3 | | | | Don't care | | |
| D_Caption_V_Pos160 | 160 | 160 | | | | Don't care | | |
| Deint_Disp_Color | 0 | 0 | | | | Don't care | | |
| Dent_Disp_Mode | 0 | 0 | | | | Don't care | | |

* Edge_Enh_Level Sharpness Jitter Noise

09. 3D Comb

| 9. 3D Comb | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|-----------------|-----------------|----|-------|---------|---------------------|-----------|------------|----------|
| Register Part 1 | | | | | | | | |
| YAPS | 1 | | 1 | | | | Don't care | |
| COUNTS | 1 | | (1) | | | | Don't care | |
| NRMD | 0 | | 0 | | | | Don't care | |
| KILS | 0 | | 0 | | | | Don't care | |
| MSS | 0 | | 0 | | | | Don't care | |
| NSDS | 0 | | 0 | | | | Don't care | |
| CLKS | 0 | | 0 | | | | Don't care | |
| EXCSS | 1 | | 1 | | | | Don't care | |
| PECS | 0 | | 0 | | | | Don't care | |
| MFREEZE | 0 | | 0 | | | | Don't care | |
| EXADINS | 0 | | 0 | | | | Don't care | |
| DYCOS | 2 | | (2) | | | | Don't care | |
| CDL | 4 | 1 | | 2 | | | Don't care | |
| HDP | 0 | | 0 | | | | Don't care | |
| CPP | 0 | | 0 | | | | Don't care | |
| DYGAIN | 9 | | 9 | | | | Don't care | |
| DYCOR | 2 | | (2) | | | | Don't care | |
| DCGAIN | 6 | | 6 | | | | Don't care | |
| DCCOR | 3 | | (10) | | | | Don't care | |
| CNRLIM | 1 | | 1 | | | | Don't care | |
| CNRINV | 0 | | 0 | | | | Don't care | |
| CNRK | 0 | | 0 | | | | Don't care | |
| YNRLIM | 1 | | 1 | | | | Don't care | |
| YNRINV | 0 | | 0 | | | | Don't care | |
| YNRK | 0 | | 0 | | | | Don't care | |
| STOS | 1 | | 1 | | | | Don't care | |
| STIS | 3 | | 3 | | | | Don't care | |
| CLK80FF | 1 | | 1 | | | | Don't care | |
| ID1WOA2 | 0 | | 0 | | | | Don't care | |
| ID1WOA1 | 0 | | 0 | | | | Don't care | |
| ID1ON | 0 | | (1) | | | | Don't care | |
| LSDR | 2 | | 2 | | | | Don't care | |
| VTRR | 1 | | 1 | | | | Don't care | |
| VTRH | 1 | | 1 | | | | Don't care | |
| WSC | 1 | | 1 | | | | Don't care | |
| TT | 0 | | 0 | | | | Don't care | |
| FELCHK | 1 | | 1 | | | | Don't care | |
| TH | 0 | | 0 | | | | Don't care | |
| ID1DECON | 1 | | 1 | | | | Don't care | |
| WSS | 0 | | 0 | | | | Don't care | |
| VAPINV | 0 | | (18) | | | | Don't care | |
| VAPGAIN | 0 | | 3 | | | | Don't care | |
| YPFG | 4 | | (11) | | | | Don't care | |
| YPFT | 0 | | 3 | | | | Don't care | |

| 9. 3D Comb | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|-----------------|-----------------|----|-------|---------|---------------------|-----------|------------|----------|
| Register Part 2 | | | | | | | | |
| SELD2FH | 0 | | 0 | | | | Don't care | |
| CLPH | 0 | | 0 | | | | Don't care | |
| COHS | 0 | | 0 | | | | Don't care | |
| CC3N | 0 | | 0 | | | | Don't care | |
| VEGS | 2 | | 2 | | | | Don't care | |
| V1PS | 2 | | 2 | | | | Don't care | |
| SELD1FL | 0 | | 0 | | | | Don't care | |
| KCTT | 0 | | 0 | | | | Don't care | |
| CSHDT | 0 | | 0 | | | | Don't care | |
| OVST | 0 | | 0 | | | | Don't care | |
| ED2OFF | 0 | | 0 | | | | Don't care | |
| YHCGAIN | 1 | | 1 | | | | Don't care | |
| YHCOR | 2 | | 2 | | | | Don't care | |
| CLKGT | 0 | | 0 | | | | Don't care | |
| CLKGEB | 0 | | 0 | | | | Don't care | |
| CLKGGT | 0 | | 0 | | | | Don't care | |
| CLKG2D | 1 | | 1 | | | | Don't care | |
| OTT | 0 | | 0 | | | | Don't care | |
| VCT | 0 | | 0 | | | | Don't care | |
| SHT | 0 | | 0 | | | | Don't care | |
| KILR | 2 | | 2 | | | | Don't care | |
| PLLFG | 1 | | 1 | | | | Don't care | |
| FSCFG | 0 | | 0 | | | | Don't care | |
| BPLLFS | 1 | | 1 | | | | Don't care | |
| HPLLFS | 0 | | 0 | | | | Don't care | |
| VSSL | 8 | | 8 | | | | Don't care | |
| HSSL | 15 | | 15 | | | | Don't care | |
| BGPW | 3 | | 3 | | | | Don't care | |
| BGPS | 7 | | 7 | | | | Don't care | |
| VTVH | 0 | | 0 | | | | Don't care | |
| FSCOFF | 0 | | (0) | | | | Don't care | |
| NRZOFF | 0 | | (0) | | | | Don't care | |
| NSDSW | 0 | | (0) | | | | Don't care | |
| ADPDS | 1 | | 1 | | | | Don't care | |
| ADCLKS | 2 | | 2 | | | | Don't care | |
| HIZEN | 0 | | 0 | | | | Don't care | |

4 Alignments and Adjustments

10. Adjust

| 10. Adjust | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|----------------------|-----------------|-----|-------|---------|---------------------|-----------|----|------------|
| RF_dB_1 | | | | | | | | Don't care |
| Base Level | 00 | 00 | | | | | | Don't care |
| PK | 01 | 01 | | | | | | Don't care |
| LPF2 | 01 | 01 | | | | | | Don't care |
| PKCOR | 01 | 01 | | | | | | Don't care |
| H_Peaking_Flt_Enable | 5 | 5 | | | | | | Don't care |
| SCALENOISE_Y | 72 | 72 | | | | | | Don't care |
| SCALENOISE_C | 100 | 100 | | | | | | Don't care |
| RF_dB_2 | | | | | | | | Don't care |
| Base Level | 00 | 00 | | | | | | Don't care |
| PK | 01 | 01 | | | | | | Don't care |
| LPF2 | 01 | 01 | | | | | | Don't care |
| PKCOR | 01 | 01 | | | | | | Don't care |
| H_Peaking_Flt_Enable | 5 | 5 | | | | | | Don't care |
| SCALENOISE_Y | 05 | 05 | | | | | | Don't care |
| SCALENOISE_C | 05 | 05 | | | | | | Don't care |
| RF_dB_3 | | | | | | | | Don't care |
| Base Level | 00 | 00 | | | | | | Don't care |
| PK | 01 | 01 | | | | | | Don't care |
| LPF2 | 01 | 01 | | | | | | Don't care |
| PKCOR | 01 | 01 | | | | | | Don't care |
| H_Peaking_Flt_Enable | 5 | 5 | | | | | | Don't care |
| SCALENOISE_Y | 00 | 00 | | | | | | Don't care |
| SCALENOISE_C | 00 | 00 | | | | | | Don't care |

11. Test Pattern

| 11. Test Pattern | Selected Source | RF | Video | S.Video | Scart RGB (Caption) | Component | PC | DVI/HDMI |
|------------------------|-----------------|----|-------|---------|---------------------|-----------|----|----------|
| 1] Luma Ramp(16 Step) | | | | | | | | - |
| 2] Luma Ramp(128 Step) | | | | | | | | - |
| 3] White 16 | | | | | | | | - |
| 4] White 240 | | | | | | | | - |
| 5] Color Bar | | | | | | | | - |
| 6] RGB Ramp(32 Step) | | | | | | | | - |

* PW565 Internal Test Pattern

12. Checksum

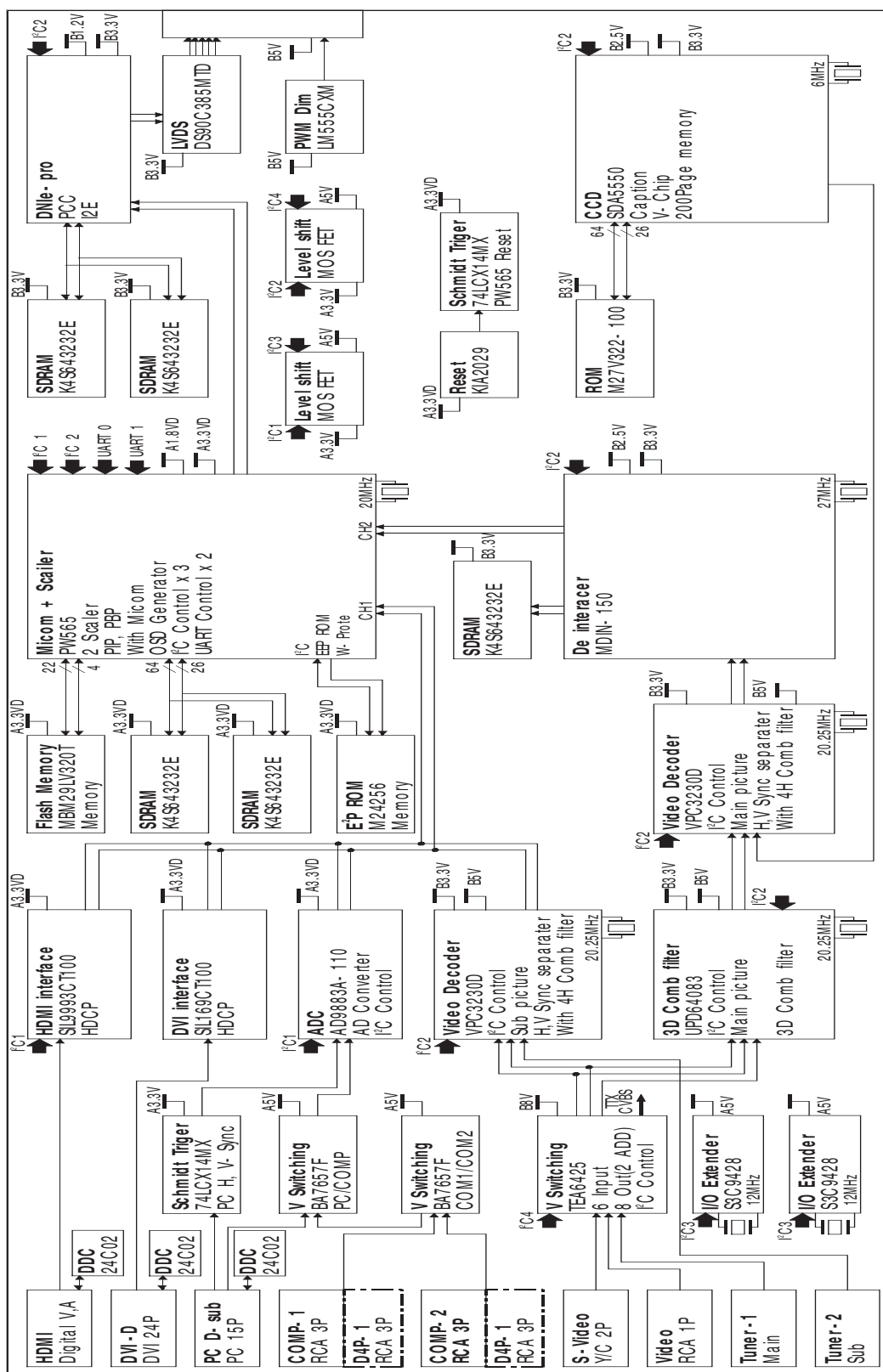
5FE4

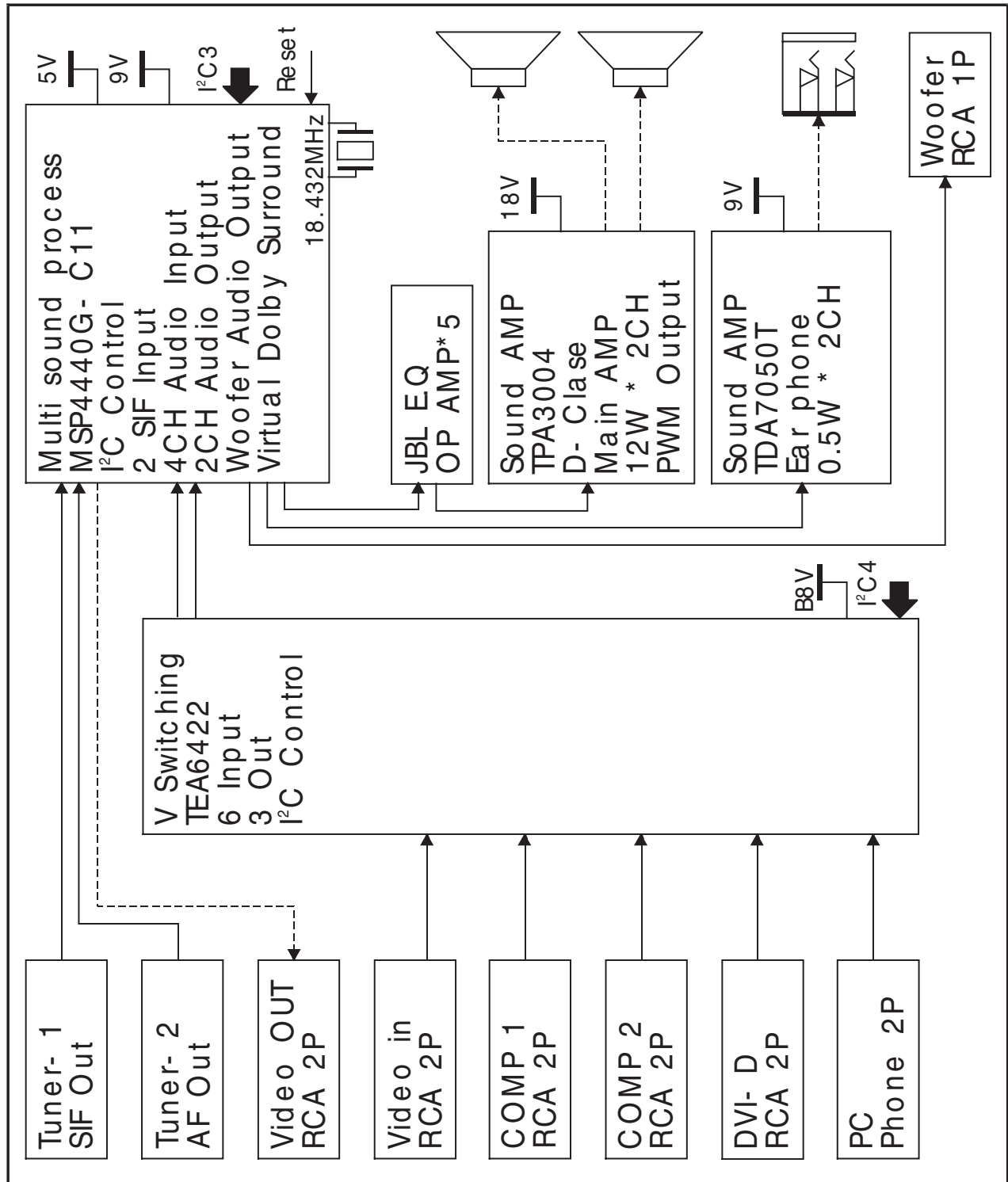
13. Reset

8 Block Diagram

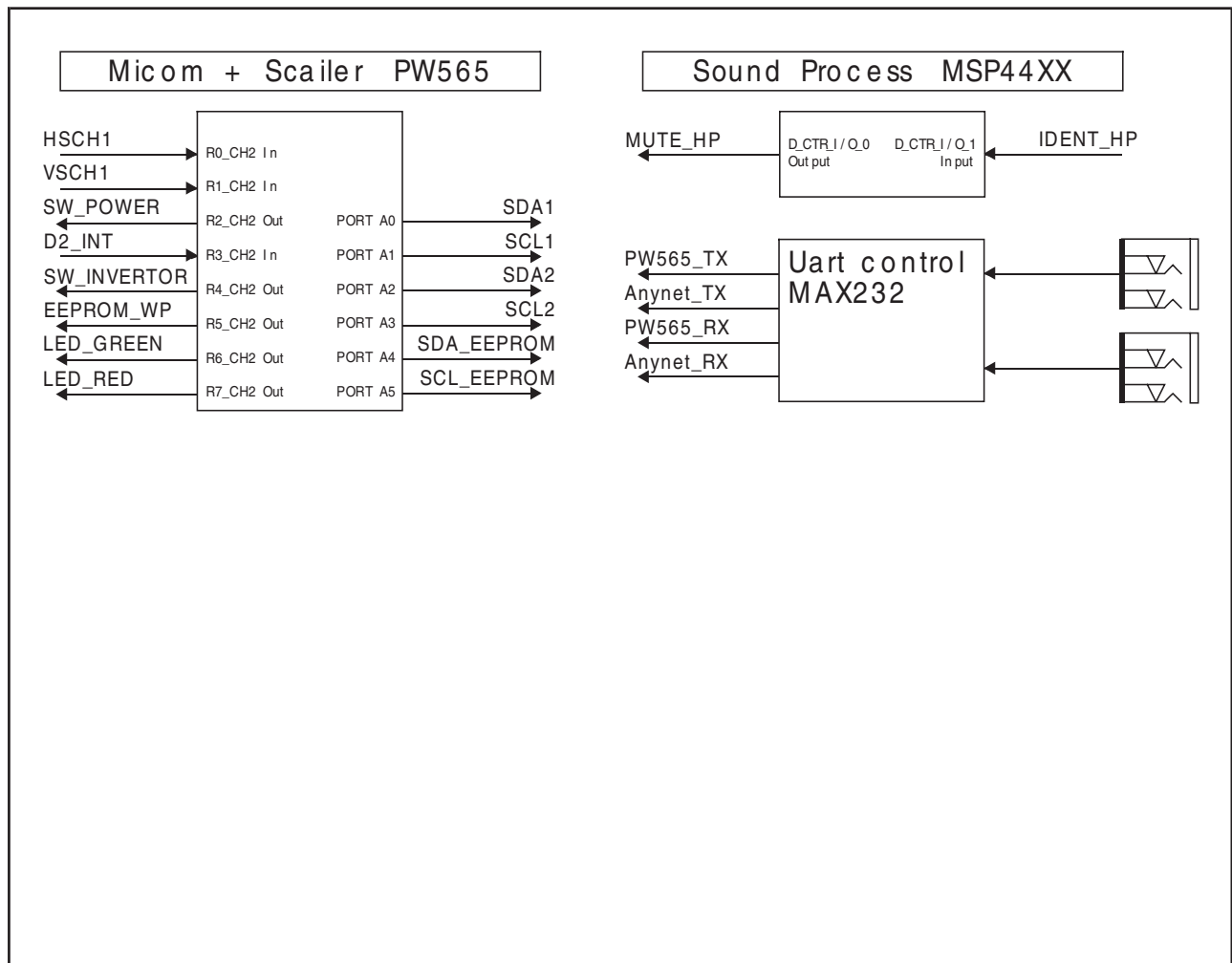
* This Document can not be used without Samsung's authorization.

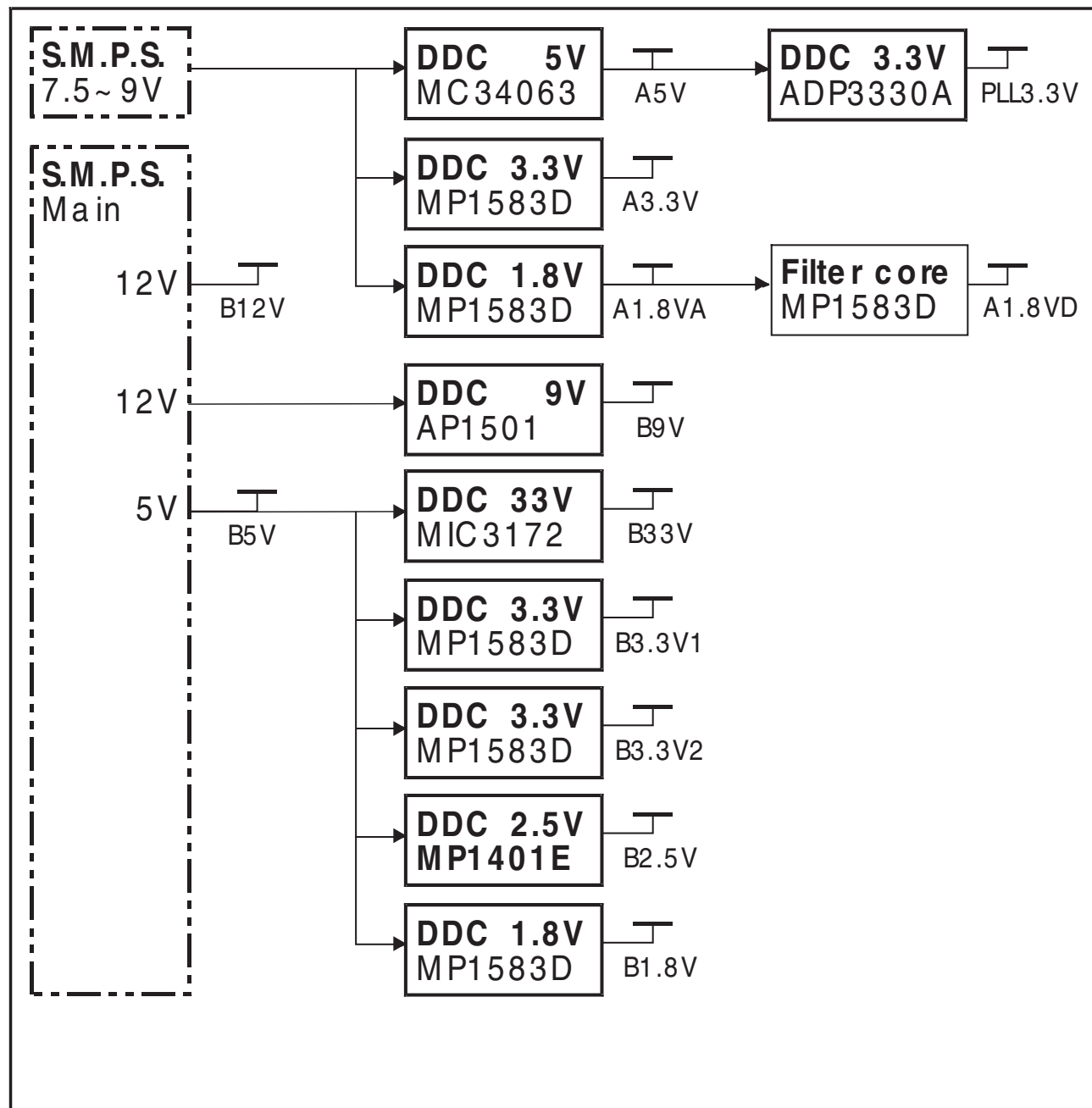
8-1-1 Main Block diagram



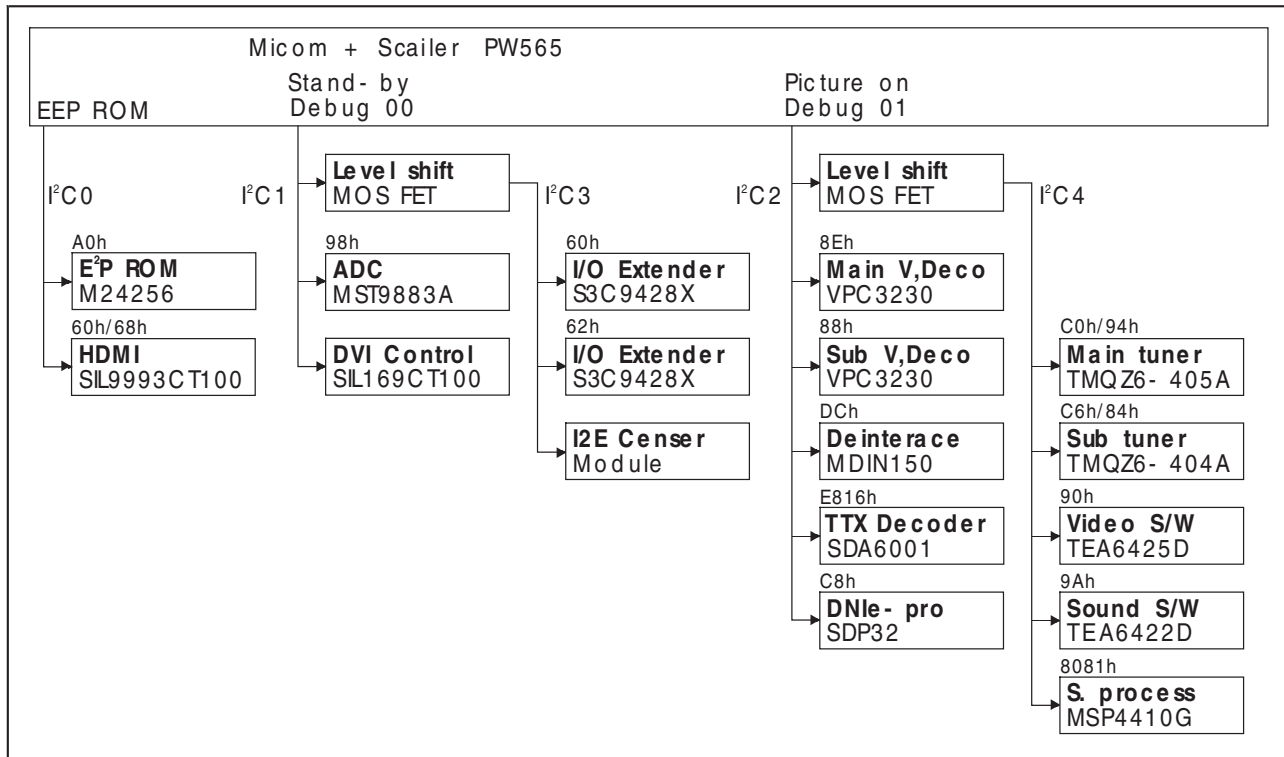
8-1-2 Sound Block diagram

8-1-3 Switching Block diagram



8-1-4 Power Block diagram

8-1-5 12C_Tree Block diagram



8-2 Main 3C9428 Specification

8-2-1 IC914 Main I/O Extender (Sub ADD : 62h)

| Pin | Net name | Mode | Action | Port name | Soft full up | Port | Hard settin | Remark |
|-----|--------------|-----------|--------------------------|-----------|--------------|--------------------|-----------------|-----------------------|
| 6 | SEL_DTV_PC | Output | DTV:H, PC:L | P0.0 | Enable | Open-Drain | - | - |
| 5 | SEL_DTV_DVD | Output | DTV:H, DVD:L | P0.1 | Enable | Open-Drain | - | NTSC Option |
| 31 | DVI_FLOAT | Output | DVI:H, Other:L | P0.2 | Enable | Open-Drain | - | Tri-status mode |
| 30 | SYNC_EN | Output | PC:H, Other:L | P0.3 | Disable | Open-Drain | A5V 7.5K P-up | - |
| 29 | SW_PVCC | Output | Table 2-2 Reference | P0.4 | Enable | Open-Drain | - | - |
| 28 | DELAY2 | Output | a separate sepcification | P0.5 | Enable | Open-Drain | - | - |
| 27 | WOOFER_MUTE2 | Output | a separate sepcification | P0.6 | Enable | Open-Drain | - | - |
| 26 | CTL_DIMMING | Output | a separate sepcification | P0.7 | Enable | 12bit PWM out | - | I2E Control |
| 23 | DDC_SELECT | Output | DVI:H, PC:L | P1.0 | Enable | Open-Drain | - | - |
| 22 | WOOFER_MUTE | Output | a separate sepcification | P1.1 | Enable | Open-Drain | - | - |
| 21 | AMP_MUTE | Output | a separate sepcification | P1.2 | Enable | Open-Drain | - | - |
| 20 | ANA_DIMMING | Output | a separate sepcification | P1.3 | Enable | Open-Drain | - | - |
| 10 | SC1_MODE | ADC Input | - | P2.0 | Disable | A/D Input | 0~5V Input | EO Option |
| 11 | SC2_MODE | ADC Input | - | P2.1 | Disable | A/D Input | 0~5V Input | EO Option |
| 12 | KEY_INPUT1 | ADC Input | Table 2-1 Reference | P2.2 | Disable | A/D Input | 7.5Kohm pull-up | - |
| 13 | KEY_INPUT2 | ADC Input | Table 2-1 Reference | P2.3 | Disable | A/D Input | 7.5Kohm pull-up | - |
| 14 | AMP_MUTE2 | Output | a separate sepcification | P2.4 | Enable | Open-Drain | - | - |
| 15 | ADDRESS | Input | - | P2.5 | Disable | Schmitt trigger In | B+5V, 1Kohm | Slave address setting |
| 8 | RESET_TTX | Output | Table 2-2 Reference | P3.0 | Disable | Open-Drain | 4.7Kohm pull-up | EO, SO Option |
| 25 | RESET_DNIE | Output | Table 2-2 Reference | P3.1 | Disable | Open-Drain | 4.7Kohm pull-up | - |
| 9 | RESET_3230 | Output | Table 2-2 Reference | P3.2 | Disable | Open-Drain | 10Kohm pull-up | - |
| 24 | RESET_MSP | Output | Table 2-2 Reference | P3.3 | Disable | Open-Drain | 4.7Kohm pull-up | - |
| 16 | AVSS | - | - | - | - | - | - | - |

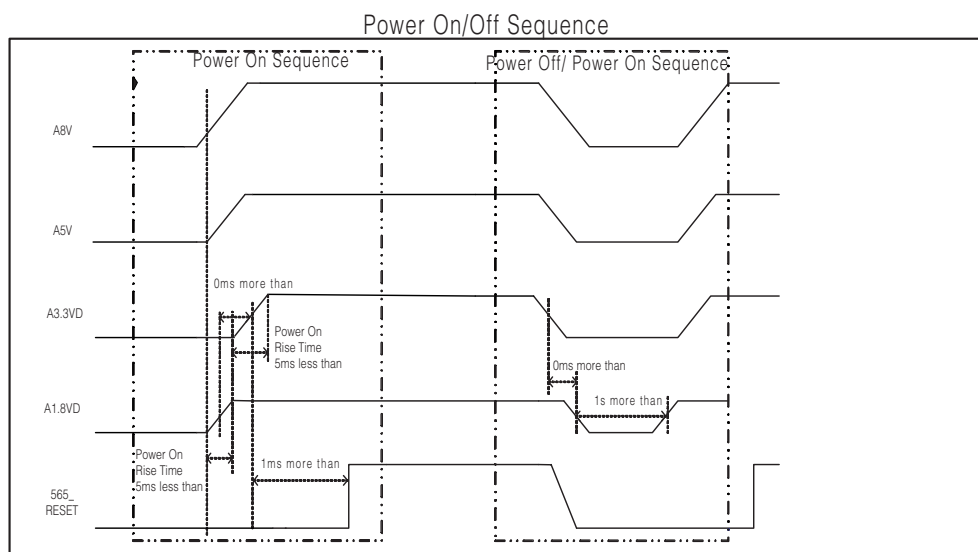
8-2-2 IC910 Sub I/O Extender (Sub ADD : 60h)

| Pin | Net name | Mode | Action | Port name | Soft full up | Port | Hard settin | Remark |
|-----|-------------|-----------|--------------------------|-----------|--------------|--------------------|-----------------|------------------------------------|
| 6 | IDENT_HDMI | Input | ID:L | P0.0 | Enable | Schmitt trigger In | - | - |
| 5 | IDENT_DVI | Input | ID:L | P0.1 | Enable | Schmitt trigger In | - | - |
| 31 | IDENT_PC | Input | ID:L | P0.2 | Enable | Schmitt trigger In | - | - |
| 30 | OVP | Input | Active high | P0.3 | Disable | Schmitt trigger In | 4.7Kohm pull-up | Main S.M.P.S. Over volt protection |
| 29 | IDENT_HP | Input | ID:H | P0.4 | Enable | Schmitt trigger In | - | - |
| 28 | D4_1_L1 | Input | a separate sepcification | P0.5 | Enable | Schmitt trigger In | - | - |
| 27 | D4_1_L2 | Input | a separate sepcification | P0.6 | Enable | Schmitt trigger In | - | - |
| 26 | D4_1_L3 | Input | a separate sepcification | P0.7 | Enable | Schmitt trigger In | - | - |
| 23 | IDENT_COM1 | Input | ID:H | P1.0 | Enable | Schmitt trigger In | - | EO, UO, KO, SO, CO Option |
| 22 | IDENT_COM2 | Input | ID:H | P1.1 | Enable | Schmitt trigger In | - | UO, KO, SO, CO Option |
| 21 | IDENT_VIDEO | Input | ID:H | P1.2 | Enable | Schmitt trigger In | - | - |
| 20 | IDENT_SVHS | Input | ID:H | P1.3 | Enable | Schmitt trigger In | - | - |
| 10 | D4_2_L1 | Input | a separate sepcification | P2.0 | Enable | Schmitt trigger In | - | - |
| 11 | D4_2_L2 | Input | a separate sepcification | P2.1 | Enable | Schmitt trigger In | - | - |
| 12 | D4_2_L3 | Input | a separate sepcification | P2.2 | Enable | Schmitt trigger In | - | - |
| 13 | AFT_MAIN | ADC Input | ATM Reference | P2.3 | Disable | A/D Input | - | - |
| 14 | AFT_SUB | ADC Input | ATM Reference | P2.4 | Disable | A/D Input | - | - |
| 15 | ADDRESS | Input | - | P2.5 | Disable | Schmitt trigger In | GND | Slave address setting |
| 8 | DELAY1 | Output | a separate sepcification | P3.0 | Enable | Open-Drain | - | - |
| 25 | RESET_HDMI | Output | Table 2-2 Reference | P3.1 | Disable | Open-Drain | 4.7Kohm pull-up | - |
| 9 | RESET_150 | Output | Table 2-2 Reference | P3.2 | Disable | Open-Drain | 4.7Kohm pull-up | - |
| 24 | CTRL_TTX | Output | TTX:H, Non:L | P3.3 | Enable | Open-Drain | - | EO, SO Option |

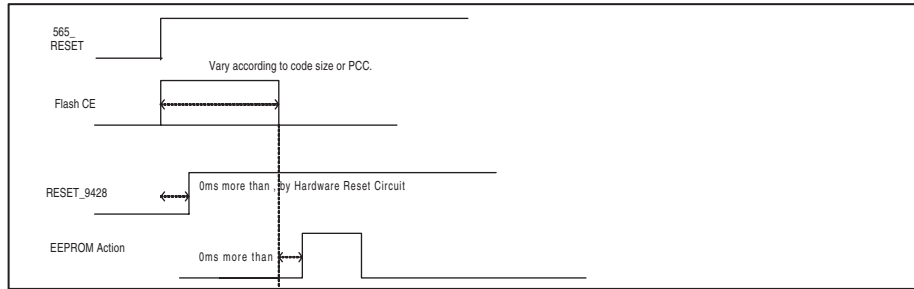
Table 2-1. Key input pin

| No | Micom port | Mode | Voltage(3C9428) | Data(hex) | Voltage | Remark |
|----|------------------------|----------|-----------------|-------------|---------|------------------------|
| 1 | KEY_INPUT1P2.2 (Pin13) | Power | 0.00 ~ 0.99 | h'00 ~ h'32 | 0.01 | R1:7.5Kohm, R2:0ohm |
| | | Menu | 1.01 ~ 1.99 | h'33 ~ h'65 | 1.51 | R1:7.5Kohm, R2:3.3Kohm |
| | | TV/VIDEO | 2.01 ~ 2.99 | h'66 ~ h'98 | 2.46 | R1:7.5Kohm, R2:7.2Kohm |
| | | ENTER | 3.01 ~ 3.99 | h'99 ~ h'CB | 3.51 | R1:7.5Kohm, R2:18Kohm |
| | | None | 4.01 ~ 5.00 | h'CC ~ h'FF | - | - |
| 2 | KEY_INPUT2P2.3 (Pin14) | CH+ | 0.00 ~ 0.99 | h'00 ~ h'32 | 0.01 | R1:7.5Kohm, R2:0ohm |
| | | CH- | 1.01 ~ 1.99 | h'33 ~ h'65 | 1.51 | R1:7.5Kohm, R2:3.3Kohm |
| | | VOL+ | 2.01 ~ 2.99 | h'66 ~ h'98 | 2.46 | R1:7.5Kohm, R2:7.2Kohm |
| | | VOL- | 3.01 ~ 3.99 | h'99 ~ h'CB | 3.51 | R1:7.5Kohm, R2:18Kohm |
| | | None | 4.01 ~ 5.00 | h'CC ~ h'FF | - | - |

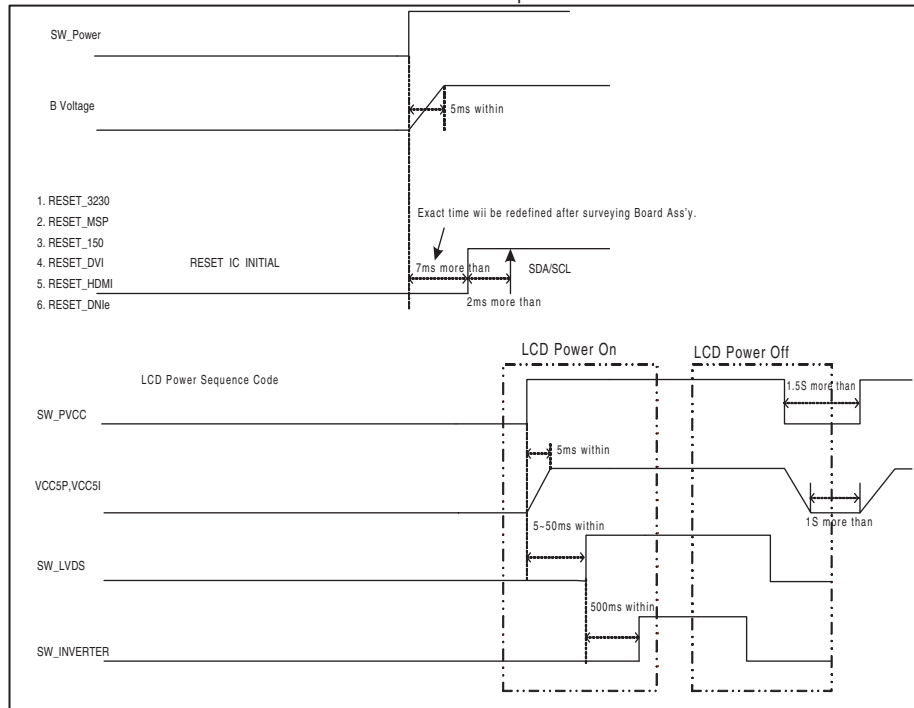
Table 2-2. Time chart



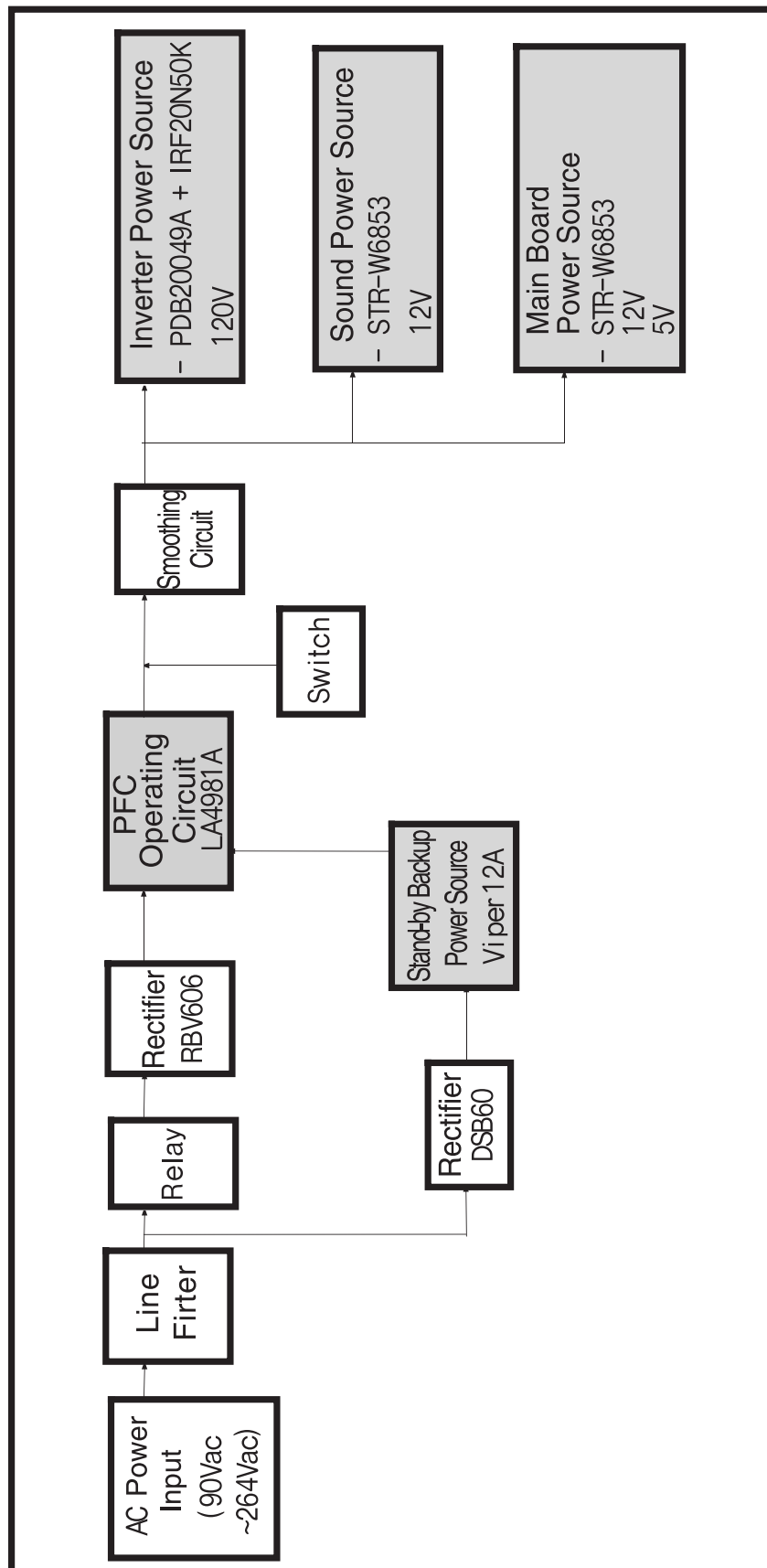
AC Power On Sequence



SW Power On/OFF Sequence

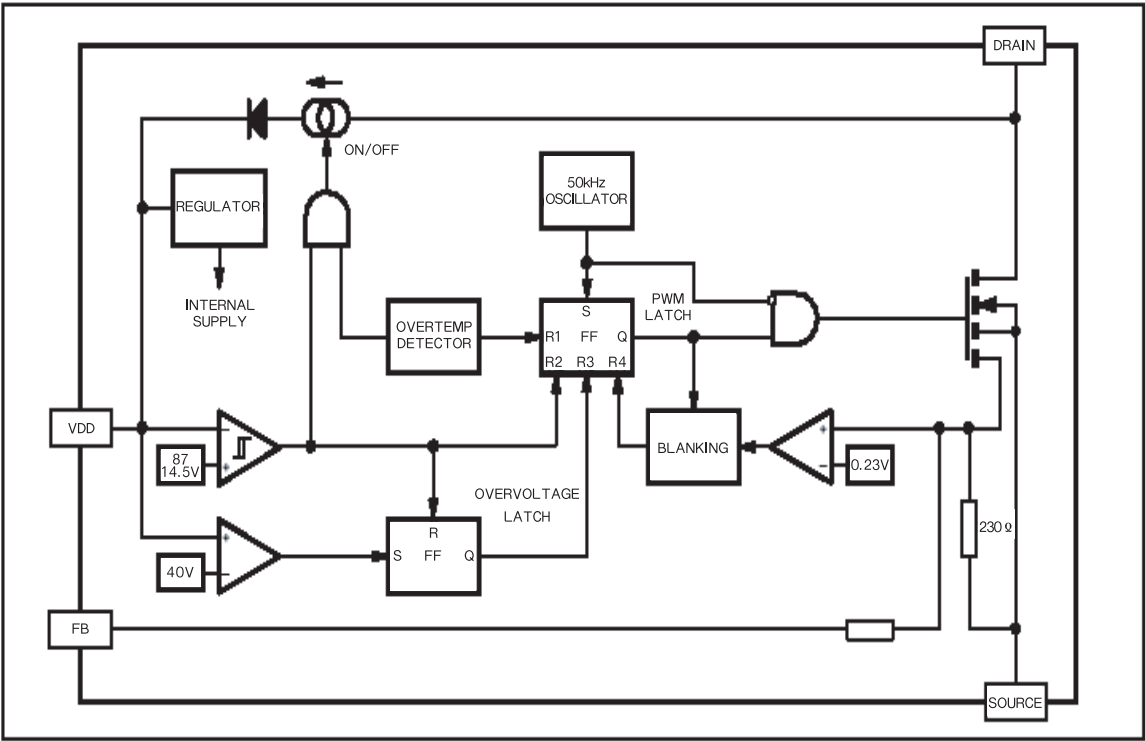


8-3 LCD-TV 32" Power Block diagram



8-4 Backup Power Source

8-4-1 Viper 12A Block Diagram



8-4-2 Pin Functions

| Name | function |
|--------|--|
| VDD | For supplying power to the control circuit,dividing the charged current of the high-voltage current source connected to the drain during startup,and comparing VDD voltage hysteresis. Divided into two threshold voltages VDDon to start switching and to disconnect the startup current source (normally 14.5V), and VDDoff to stop switching and to operate the startup current source (normally 8V) |
| SOURCE | Power MOSFET source and the circuit reference ground (GND) |
| DRAIN | Power MOSFET drain.Also used during startup as the internal high-voltage current source until the external VDD capacitor is charged. |
| FB | Feedback input.Operating voltage range of 0V ~1V.Determined by the maximum MOSFET current value. The current limit in due consideration of the maximum drain current is included in the FB pin that is connected to the source pin. |

8-5 PFC Circuit

8-5-1 Operating Principles

As the stand-by power circuit starts oscillating, the control IC of the PFC circuit (L4981) is applied with V_{cc} and starts oscillating. The oscillation frequency is determined by the resistance (RP824) connected to 17Pin and the condenser (CP816) connected to 18Pin. For regulation, the output voltage is divided by resistors and monitored by 14Pin. The 4Pin voltage, which is entered after dividing this voltage and the AC voltage by resistors, is calculated in the IC and the command value of the main FET is prepared. Therefore, the output voltage is controlled by the voltage determined by the dividing resistors, and the input current has the same waveform (sine wave) as the AC voltage, producing a power factor of almost 100%.

8-5-2 Protections

1. Overvoltage

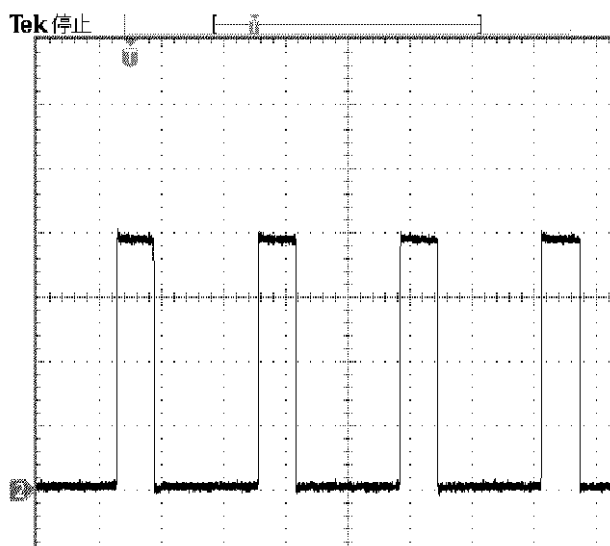
The circuit has an overvoltage protection function of the voltage limit type. In the event of a sudden interruption of the input, of overshooting [overload?] during a sudden change of load, or non-control status, this function protects the circuit by narrowing the ON width of the FET and preventing the voltage from rising above the overvoltage setting. The overvoltage can be set with RP834, RP835, RP836 and RP840. (The power source is set to approximately 385V)

2. Overcurrent

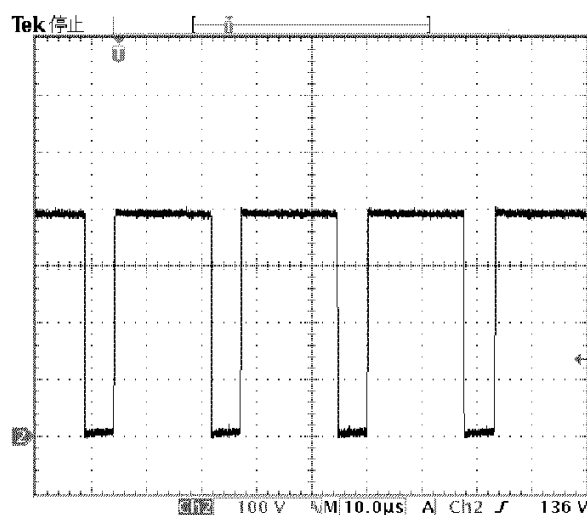
The current is converted into the voltage value through RP831 and RP832, and monitored by 2 Pin and 8 Pin of the control IC. If the voltage of the detecting resistor rises above the set value due to an increase in current, the pulse width is narrowed to limit the output.

3. Thermal Shutdown

Although the IC has a thermal shutdown function, a thermistor (TH) is installed on the heat-radiating fin of the main FET and the circuit is stopped if overheated by overload, etc.



FET VDS Waveform (Input of 100V)



FET VDS Waveform (Input of 230V)

8-6 Resonance Circuit (Power Source for Inverter)

8-6-1 Operating Principles

Explains the circuit of the power source for the inverter. With the operation of the MULTI block, a voltage is generated in the ancillary windings (4-5Pin) of T804S and is applied to 1 Pin (Vcc terminal) of the resonance circuit to start oscillation. High side FET (Q4) and low side FET (Q5) are turned on alternately, delivering energy to the secondary circuit. For voltage regulation, the output voltage is divided along resistors and monitored by the transistor (QI809), and the photo coupler (PC801S) is turned on or off. If the output voltage rises, PC801S is turned on and draws current from 13 Pin of the resonance circuit. The switching frequency then increases, reducing the charge period of the resonance condenser (CI811) and thereby limiting the output voltage. On the other hand, if the output voltage decreases, no current is drawn from 13 Pin of the resonance circuit and the switching frequency decreases, extending the charge period of the resonance condenser and thereby raising the output voltage.

8-6-2 Protections

1. Overvoltage

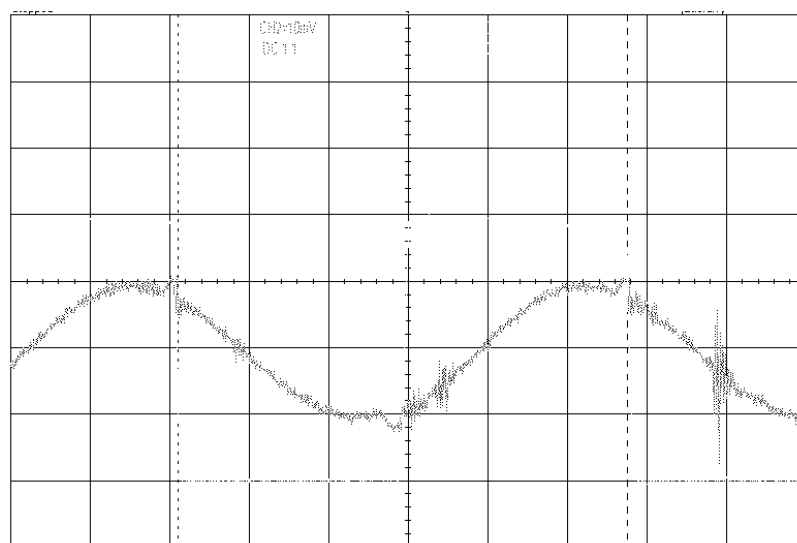
The output voltage is divided along the resistors and monitored by QI810. If the output voltage rises, the QI810 voltage also rises, which triggers QO810 to turn PC802S on. This will increase the voltage at 5 Pin of the resonance IC, which stops oscillation in the latch mode.

2. Overcurrent

The current flowing in the resonance condenser (CI811) is divided through CI808, converted into voltage at the resistors (RI809, RI816) and is monitored by 3 Pin of the resonance IC. If the output current rises, the current in the primary winding wire also rises, which triggers the voltage at 3 Pin of the IC to rise as well. If the voltage exceeds the set value, the pulse width is narrowed to limit the current.

3. Thermal Shutdown

The resonance IC has a built-in thermal shutdown function and stops oscillation at over 125 °C



FET VDS Waveform of the resonance circuit

8-7 Main Board Supply & Sound Exclusive IC of STR-W6853

8-7-1 Outlines

1. A new 7 Pin package has been developed from the existing 5 Pin package. High-power MOSFET is embedded in a small package to save space.
2. The distance between the pins of MOSFET drain & source has been widened to 1.8mm where high voltage is applied, allowing the loading of high anti-pressure MOSFET.
3. The operation mode changes in 3 stages according to the load applied, and saves power consumption. TFC, MBS, and pseudo-oscillation are available.

8-7-2 Features

1. Improvement of power efficiency through automatic conversion of operation modes the controlling MIC part saves power consumption through a BCD processor. W6800 series changes the operation mode in 3 stages according to the load applied and saves power consumption.
 - 1) Pseudo-oscillation under load
 - 2) If MBS (Multi, Bottom, Skip) frequency exceeds 70 kHz under medium or small loads, the bottom is skipped while bottom, ON is maintained.
 - 3) If TFC (Time, Fix, Control) operation extends the ON time forcibly under St-By load, the OFF time is controlled to lower the oscillating frequency. In the event of compulsory ON, control by external resistors is possible.
2. Major Features
 - 1) Embedded overcurrent protection (OCP) of pulse by pulse
 - 2) Embedded overload protection (OLP) of latch shut down.
 - 3) Embedded thermal shutdown function.
 - 4) Embedded overvoltage protection for input voltage
 - 5) Adjustable frequency for TFC operation



8-8-2 Other Functions

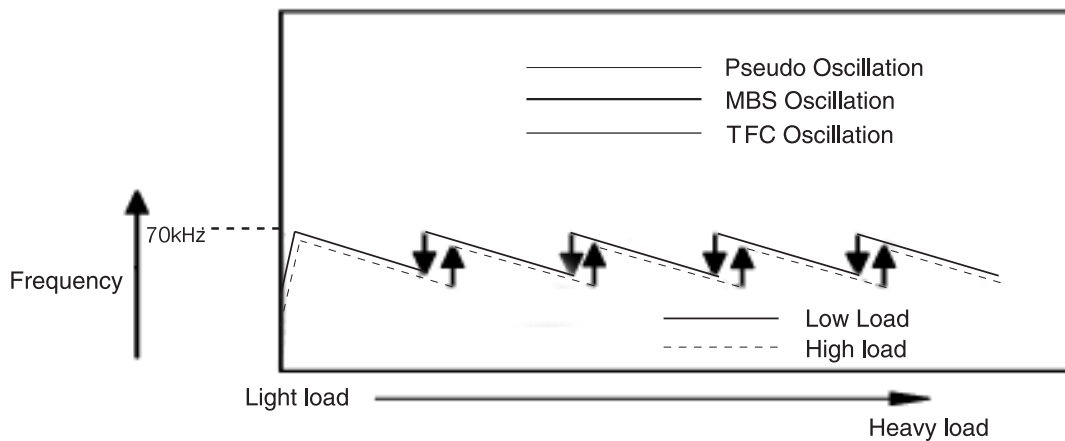
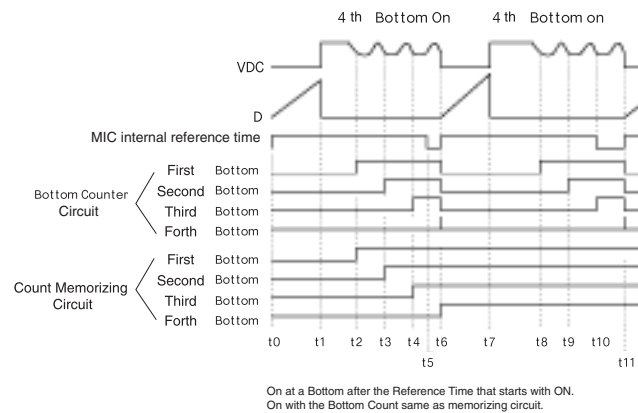
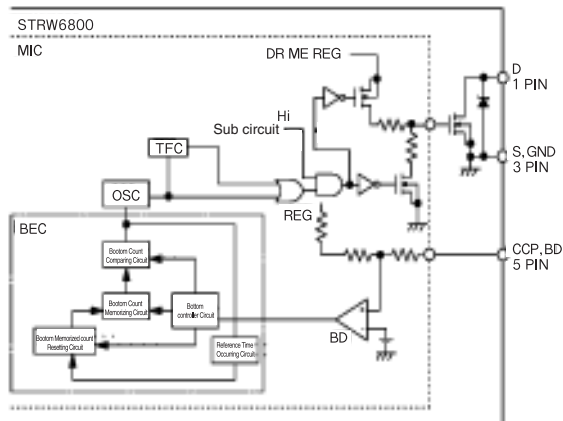
| Symbol | Functions |
|--------|--------------------------|
| TSD | Thermal Shutdown Circuit |
| OVP | Overvoltage circuit |

8-9 Operation of W6853

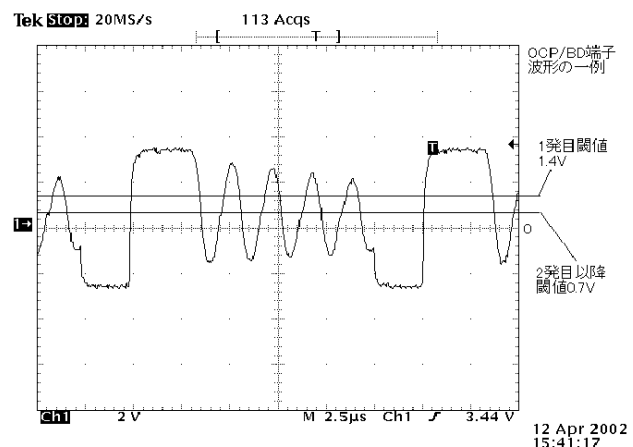
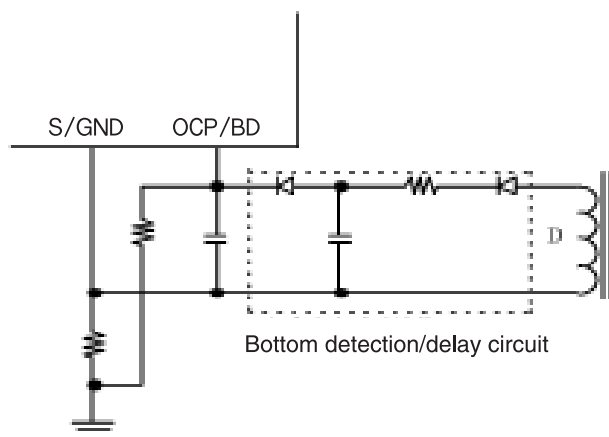
8-9-1 Outlines

1. MBS : Multi bottom skip (medium load area)

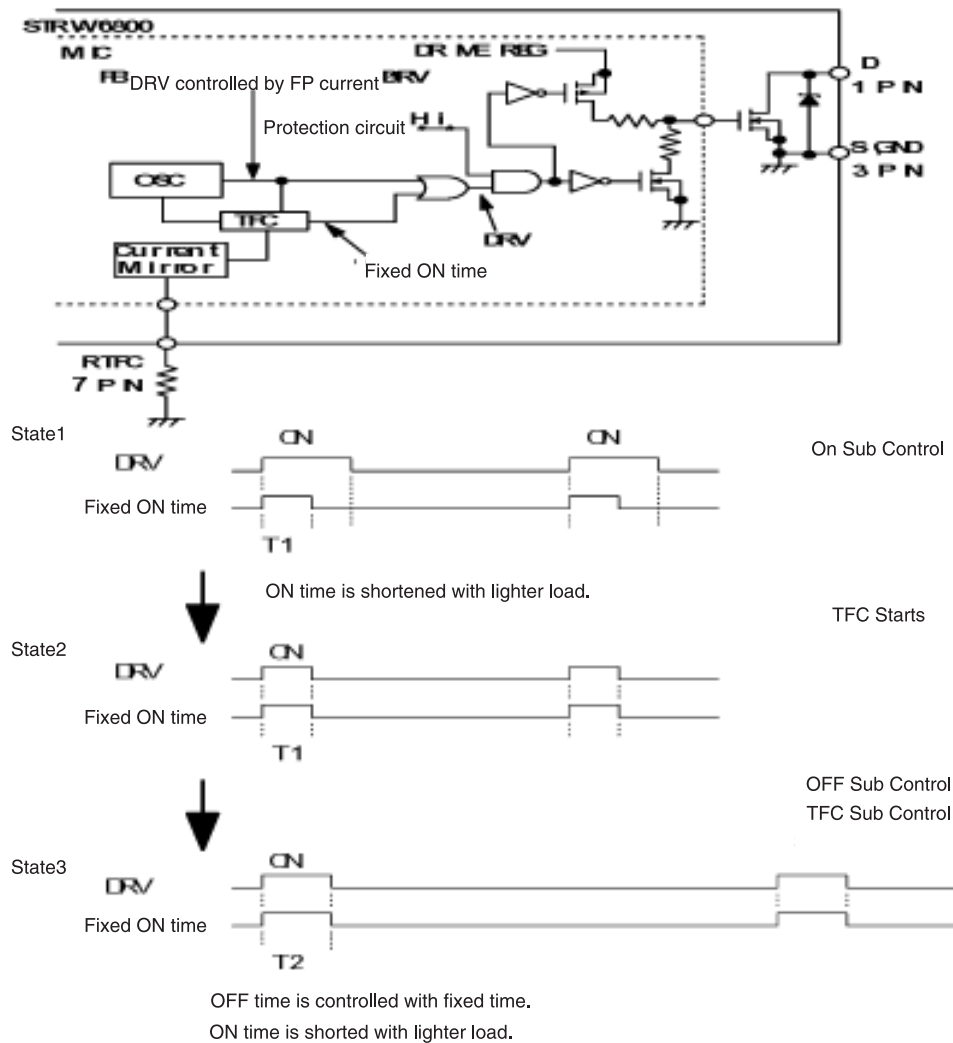
The circuit has the PWM reference time $T=14\mu\text{s}$, 70 kHz internally and is designed to turn on at a bottom less than $14\mu\text{s}$.



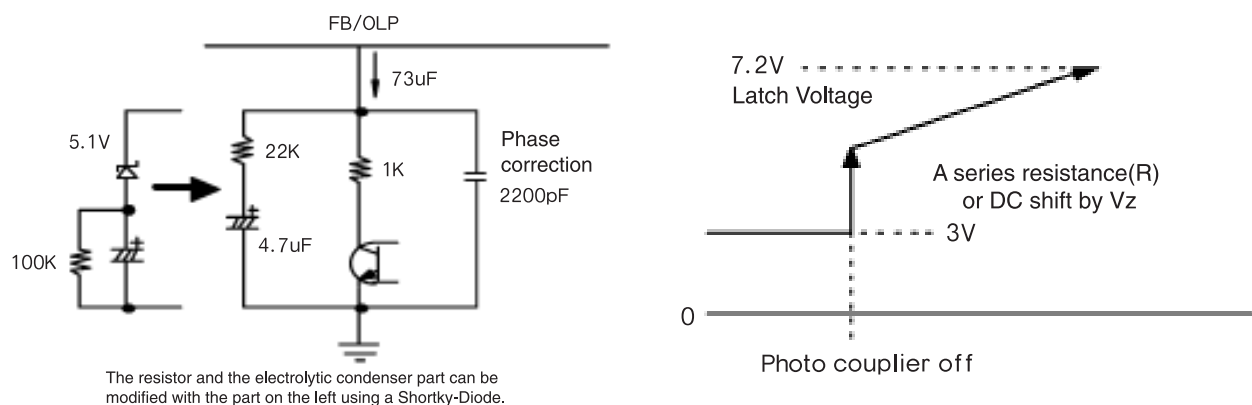
Note : MBS operations should not be counted in the overload, overcurrent area. (Bottom is not extended)
If the overload condition continues, OLP will be triggered to shut down the operation. Normally ,it is not counted during startup, and if the down edge is detected only once after a count of 2, it is considered abnormal and the oscillation is stopped.



2. TFC : Time fix controller (Lighter load area during stand-by) TFC operation forcibly outputs to DRV an ON time (T2) that is longer than the fixed Ton (T1) inside the MIC to control the OFF time for stabilizing the output voltage. If MBS operation under light load moves toward the light load area again, the MBS operation is released at Ton=350 us and shifted to the TFS operation.



3. OLP

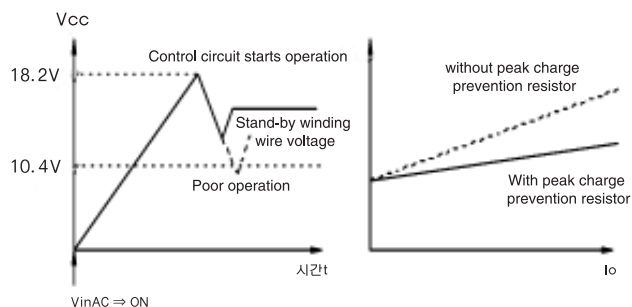
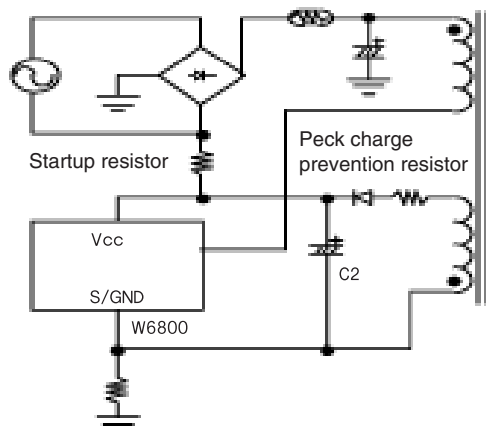


4. Vcc Terminal,Startup Circuit

Startup is performed by the startup resistor and the condenser between Vcc and S/GND.

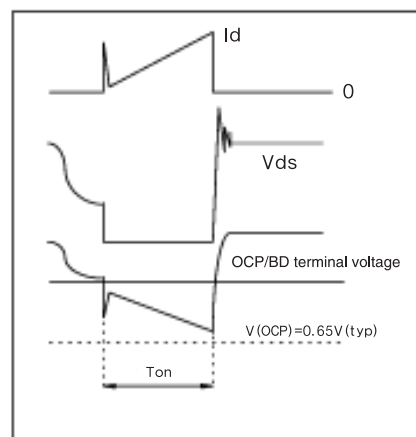
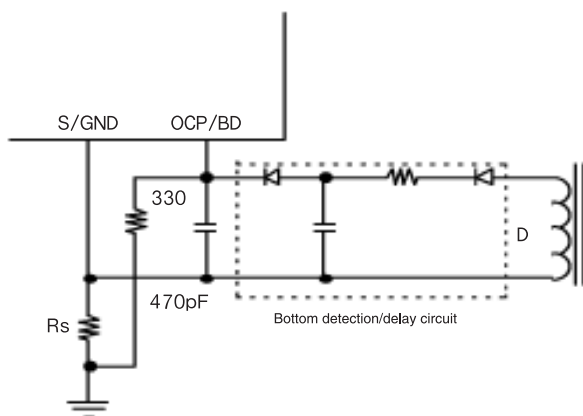
The startup voltage, V_{cc} is 18.2V (typ) and starts the circuit by charging C2 from the startup resistor.

After startup, operation continues with power supplied from the transistor drive winding wire.

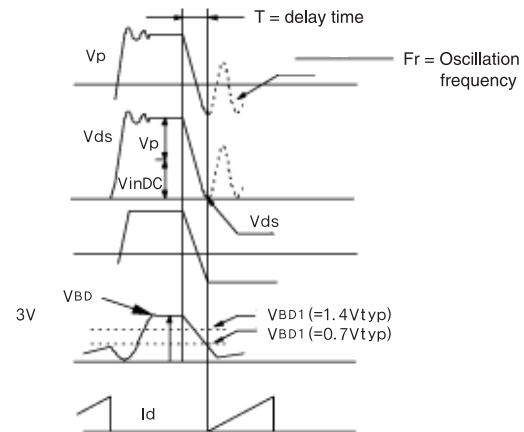
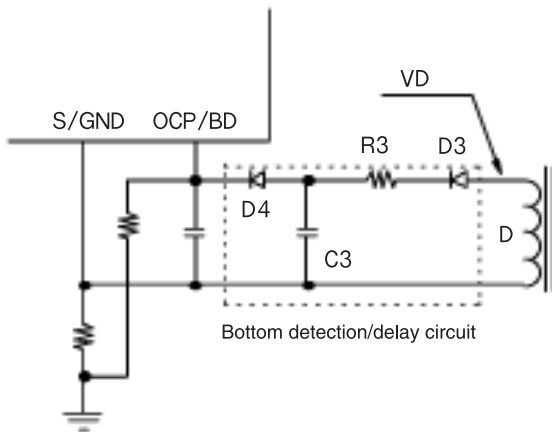


(Near the drive winding wire and stand-by power source;Startup of Vcc)

5. OCP / OLP

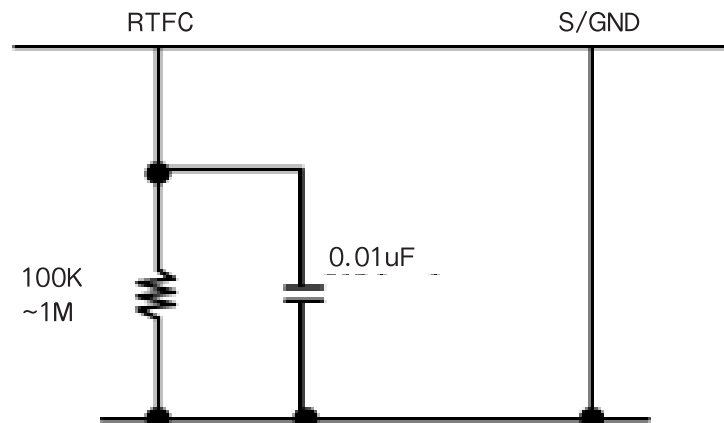


From the transistor design, under medium load with only one bottom left, it is possible for I_d to exceed 50% of the normal pseudo oscillation duty. In particular, if there is still a bottom under the maximum load at $V_{inAC}(\text{Min})$, confirming the condition is required. The following is an explanation of the pseudo oscillation signal input of the OCP/BD terminal.

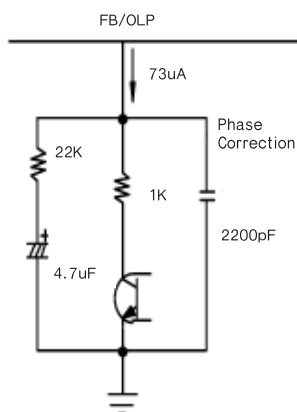


6. RTFC Terminal

Adjustment should be performed while checking the actual operation in the range of 100k to 1 M. During an IC examination, you may sometimes find minimum oscillating frequency at the RTFC resistor, but as the secondary circuit performs feedback control, I_d determined by t_{on} at RTFC shows changes in the peak value due to the primary inductance l_p of the transistor and the winding ratio. If the load consumed by the secondary circuit is constant, the peak value of I_d increases and the frequency decreases as l_p becomes smaller and the t_{on} setting becomes larger.



7. Phase Correction



When you have an unusual type of secondary feedback circuit and load specifications, if the phase correction of the error amp on the secondary circuit is not sufficient, due to the capacity of the smoothing input condenser being too small and the ripple voltage being too high, you can get a good result by adding a condenser between the FB/OLP terminal of W6800 and S/GND. The FB/OLP terminal is fitted with latch delay CR. If R is small, it may improve the shift start during startup, but may also cause extreme delay. Therefore, care should be taken to avoid excessive response in changing the loads.

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the LTP326W LCD TV.

WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

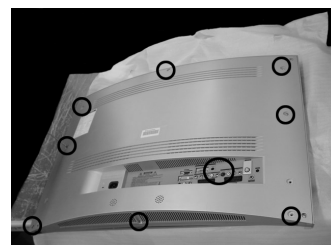
Cautions: 1. Disconnect the monitor from the power source before disassembly.

2. Follow these directions carefully; never use any metal instrument except provided jig to separate the cabinet.

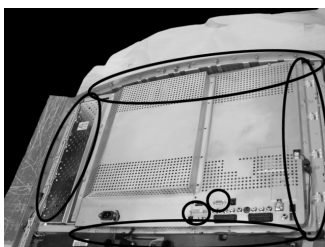
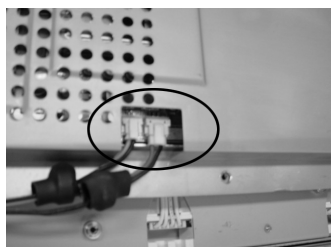
3. R/Cover opening jig : BH81-00001A



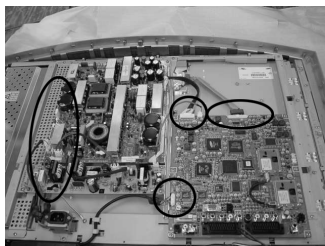
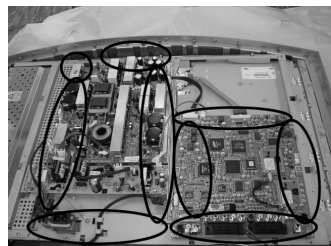
1. Place LCD TV face down on cushioned table. Remove 4 screws from grip on the stand and remove the stand.



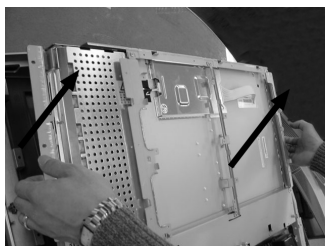
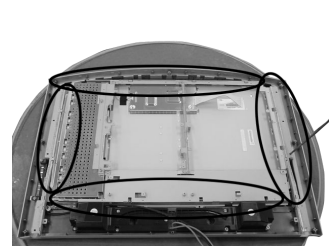
2. Remove 10 screws from the rear cover and lift up the rear cover.



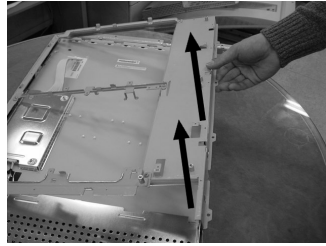
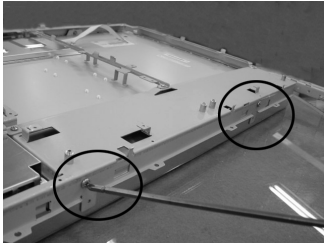
3. Disconnect speaker cable from the shield and remove 21 screws from the shield.



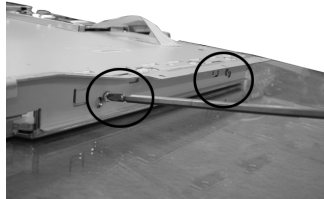
4. Remove 17 screws from the boards and disconnect LVDS cable, inverter cable from the boards.



5. Remove 20 screws from the cabinet BRKT and lift up the panel.



6. Remove 4 screws from the panel BRKT.
(Top/Bottom)
Disconnect BRKT from the panel.



7. Remove 4 screws from the panel BRKT.
(Left/Right)
Disconnect BRKT from the panel.

3-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

7 Electrical Parts List

* You can search for updated part codes through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr/>

7-1 Main PCB Parts

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------------|--|---------|
| 0 | NF32U0 | | | | |
| 1 | E4-NF32U0 | - | 2 | SEC,W1-L01 | - |
| 3 | BN94-00443W | - | ASSY PCB POWER | NF32U0 | SNA |
| 4 | 2401-003876 | CI816 | C-AL | 470UF,20%,160V,GP,BK,35°ø20MM,10 | SA |
| 4 | 2401-003876 | CI817 | C-AL | 470UF,20%,160V,GP,BK,35°ø20MM,10 | SA |
| 4 | 0201-001059 | CIS | ADHESIVE-SIL | #9590,WHT,-,CARTRIGE | SNA |
| 4 | 0201-001578 | CIS | ADHESIVE-HM | HM-555,WHT,4,000 Cps,- | SNA |
| 4 | 0204-002420 | CIS | SOLVENT | 1M-1000,C3H7OH,96,-,- | SNA |
| 4 | 0204-002426 | CIS | FLUX | DF-201TVS,MIX,0.820,FLUX13%,14KG,- | SNA |
| 4 | 2401-003872 | CM818 | C-AL | 2200UF,20%,25V,LZ,TP,18X20MM,7.5 | SA |
| 4 | 2409-001044 | CM829 | C-ORGANIC | 100UF,+20%,16V,WT,TP,8X10.5,5 | SA |
| 4 | 3711-004122 | CNI801 | CONNECTOR-HEADER | BOX,14P,1R,2mm,STRAIGHT,SN | SA |
| 4 | 3711-004122 | CNM801 | CONNECTOR-HEADER | BOX,14P,1R,2mm,STRAIGHT,SN | SA |
| 4 | 3711-002855 | CNP801 | CONNECTOR-HEADER | BOX,2P,1R,7.92mm,STRAIGHT,SN | SA |
| 4 | 3711-003043 | CNP803 | CONNECTOR-HEADER | BOX,4P,1R,2.5MM,STRAIGHT,SN,IVR | SA |
| 4 | 2401-003873 | CP823 | C-AL | 120UF,20%,450V,WT,BK,35°ø20MM,10 | SA |
| 4 | 2401-003873 | CP824 | C-AL | 120UF,20%,450V,WT,BK,35°ø20MM,10 | SA |
| 4 | 2306-000321 | CP825 | C-FILM,LEAD-PPF | 470NF,20%,275V,BK,31X11X21MM,27.5 | SA |
| 4 | 2401-003872 | CS816 | C-AL | 2200UF,20%,25V,LZ,TP,18X20MM,7.5 | SA |
| 4 | 2201-002026 | CY801S | C-CERAMIC,DISC | 1NF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 4 | 2201-002026 | CY802S | C-CERAMIC,DISC | 1NF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 4 | 0402-000250 | DM805 | DIODE-RECTIFIER | RG4C,1KV,2A,-,- | SA |
| 4 | 0402-000562 | DP803 | DIODE-RECTIFIER | UF5406,600V,3A,DO-201AD,BK | SA |
| 4 | 0402-000250 | DS805 | DIODE-RECTIFIER | RG4C,1KV,2A,-,- | SA |
| 4 | 1203-002828 | IC802S | IC-PWM CONTROLLER | 4981,DIP,20P,25.4X7.1MM,PLASTIC,-0.3/8.5V,-,40TO+125C,2A,4.97/5.23V,ST | SA |
| 4 | 3812-001283 | JUMP | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 4 | BN27-00014A | LM804 | COIL CHOKE | 10uH, 0.02ohm,14.5T,10uH,+/-10%,DR12*5 C:6.0,14.5T,PF2736,,0.02 ohm,12 ?5,,B | SA |
| 4 | BN27-00013A | LP801 | COIL CHOKE-PFC | T40 x15 x24,1.1mH,+10%,CH400125,78T,PF 2736,,0.08 ohm,40 x15 x24,,BK | SA |
| 4 | BN27-00015B | LP805 | COIL CHOKE | VD063-1,COIL-CHOKE,23uH,+/-10%,0.010ohm,OR18x6X10H,5T,25X25X13mm,4,1.8mm,BK,-20C | SA |
| 4 | BN27-00015B | LP806 | COIL CHOKE | VD063-1,COIL-CHOKE,23uH,+/-10%,0.010ohm,OR18x6X10H,5T,25X25X13mm,4,1.8mm,BK,-20C | SA |
| 4 | BN27-00014A | LS803 | COIL CHOKE | 10uH, 0.02ohm,14.5T,10uH,+/-10%,DR12*5 C:6.0,14.5T,PF2736,,0.02 ohm,12 ?5,,B | SA |
| 4 | 1404-001195 | NT801S | THERMISTOR-NTC | 5.1ohm,15%,2900,27mW/C,BK | SA |
| 4 | 1404-001195 | NT802S | THERMISTOR-NTC | 5.1ohm,15%,2900,27mW/C,BK | SA |
| 4 | 0604-001032 | PC801S | PHOTO-COUPLER | TR,170-260%,300mW,DIP-4,ST | SA |
| 4 | 0604-001032 | PC802S | PHOTO-COUPLER | TR,170-260%,300mW,DIP-4,ST | SA |
| 4 | 0604-001032 | PC803S | PHOTO-COUPLER | TR,170-260%,300mW,DIP-4,ST | SA |
| 4 | 0604-001032 | PC804S | PHOTO-COUPLER | TR,170-260%,300mW,DIP-4,ST | SA |
| 4 | 0502-001262 | QP803A | TR-POWER | 2SA2073,PNP,1000mW,-,TP,120-270 | SA |
| 4 | 0502-001261 | QP804A | TR-POWER | 2SC5826,NPN,1000mW,-,TP,120-270 | SA |
| 4 | 3812-001283 | RM822 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 4 | 3812-001283 | RM825 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 4 | BN26-00005A | T801S | TRANS-INVERTER | EER 3543,LCD TV,16PIN,1mH,400V,1A,1.45mH,120V,2A,0.300ohm,,PL-5/PM5,ER-3543,130u | SA |
| 4 | BN26-00005A | T802S | TRANS-INVERTER | EER 3543,LCD TV,16PIN,1mH,400V,1A,1.45mH,120V,2A,0.300ohm,,PL-5/PM5,ER-3543,130u | SA |
| 4 | BN26-00006A | T803S | TRANS-MULTI | EER 3019,LCD TV,10PIN,1mH,400V,1A,32uH,5V/12V,6A/2A,0.400ohm,,PL-7/PM7,ER-3019,2 | SA |
| 4 | BN26-00006A | T804S | TRANS-MULTI | EER 3019,LCD TV,10PIN,1mH,400V,1A,32uH,5V/12V,6A/2A,0.400ohm,,PL-7/PM7,ER-3019,2 | SA |
| 4 | BN26-00007A | T805S | TRANS-SOUND | EER 3019,LCD TV,10PIN,500uH,400V,1A,135uH,13V,5A,0.400ohm,,PL-7/PM7,ER 3019,20u | SA |
| 4 | BN26-00007A | T806S | TRANS-SOUND | EER 3019,LCD TV,10PIN,500uH,400V,1A,135uH,13V,5A,0.400ohm,,PL-7/PM7,ER 3019,20u | SA |
| 4 | BN96-00324A | IC803S | ASSY BOARD P | PDB20049A M,CONTROLLER ASS'Y | SA |

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|-------|-------------|----------|---------------------|--------------------------------------|---------|
| 4 | BN97-00207T | - | ASSY AUTO-POWER | NF32U0 | SNA |
| 5 | 2301-001396 | CI801 | C-FILM,LEAD-PEF | 100nF,10%,630V,TP,18x6.5x13mm,7.5 | SA |
| 5 | 2305-000289 | CI804 | C-FILM,LEAD-PEF | 220nF,5%,63V,TP,-,5mm | SA |
| 5 | 2201-000132 | CI805 | C-CERAMIC,DISC | 0.1NF,10%,500V,Y5P,TP,6.5X3MM,5 | SA |
| 5 | 2201-000132 | CI806 | C-CERAMIC,DISC | 0.1NF,10%,500V,Y5P,TP,6.5X3MM,5 | SA |
| 5 | 2301-001396 | CI807 | C-FILM,LEAD-PEF | 100nF,10%,630V,TP,18x6.5x13mm,7.5 | SA |
| 5 | 2201-000930 | CI808 | C-CERAMIC,DISC | 0.22NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000132 | CI809 | C-CERAMIC,DISC | 0.1NF,10%,500V,Y5P,TP,6.5X3MM,5 | SA |
| 5 | 2301-001216 | CI811 | C-FILM,LEAD-PPF | 47nF,5%,630V,TP,20x14.5x22,7.5 | SA |
| 5 | 2401-000302 | CI812 | C-AL | 100uF,20%,25V,GP,TP,6.3x11,5 | SA |
| 5 | 2305-000665 | CI813 | C-FILM,LEAD-PEF | 100nF,5%,63V,TP,7.5x4.0x5.0mm, | SA |
| 5 | 2305-000411 | CI815 | C-FILM,LEAD-PEF | 470nF,5%,50V,TP,7.3x4.8x5.5mm, | SA |
| 5 | 2401-000569 | CI818 | C-AL | 1uF,20%,250V,GP,TP,6.3x11,5 | SA |
| 5 | 2305-000704 | CI819 | C-FILM,LEAD-PEF | 100nF,5%,250V,TP,16.5x10.3x5.7 | SA |
| 5 | 2305-000704 | CI820 | C-FILM,LEAD-PEF | 100nF,5%,250V,TP,16.5x10.3x5.7 | SA |
| 5 | 2401-001340 | CI821 | C-AL | 0.47UF,20%,50V,WT,TP,5X11,5 | SA |
| 5 | 2305-000704 | CI823 | C-FILM,LEAD-PEF | 100nF,5%,250V,TP,16.5x10.3x5.7 | SA |
| 5 | 2401-000480 | CM801 | C-AL | 10uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2401-000962 | CM802 | C-AL | 22uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2301-000192 | CM803 | C-FILM,LEAD-PEF | 1nF,5%,50V,TP,5.3x10mm,5mm | SA |
| 5 | 2301-000445 | CM804 | C-FILM,LEAD-PEF | 4.7nF,5%,50V,TP,5.5x7x3mm,5mm | SA |
| 5 | 2401-000480 | CM805 | C-AL | 10uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2202-000263 | CM806 | C-CERAMIC,MLC-AXIAL | 470pF,10%,50V,Y5P,TP,3.5x19,- | SA |
| 5 | 2202-000263 | CM807 | C-CERAMIC,MLC-AXIAL | 470pF,10%,50V,Y5P,TP,3.5x19,- | SA |
| 5 | 2301-000356 | CM808 | C-FILM,LEAD-PEF | 47nF,5%,50V,TP,7.5x4.0x6.5,5mm | SA |
| 5 | 2303-000122 | CM809 | C-FILM,LEAD-PEF | 10nF,5%,630V,TP,19x12.5mm,7.5m | SA |
| 5 | 2201-000129 | CM810 | C-CERAMIC,DISC | 0.1NF,10%,1KV,Y5P,TP,7X4MM,5 | SA |
| 5 | 2201-000129 | CM811 | C-CERAMIC,DISC | 0.1NF,10%,1KV,Y5P,TP,7X4MM,5 | SA |
| 5 | 2306-000122 | CM812 | C-FILM,LEAD-PPF | 100nF,5%,50V,TP,7.3x4.0x5.0mm, | SA |
| 5 | 2401-001192 | CM813 | C-AL | 33uF,20%,50V,GP,TP,6.3x11,5 | SA |
| 5 | 2201-000556 | CM814 | C-CERAMIC,DISC | 0.47NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000556 | CM815 | C-CERAMIC,DISC | 0.47NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000556 | CM816 | C-CERAMIC,DISC | 0.47NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000556 | CM817 | C-CERAMIC,DISC | 0.47NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2401-003875 | CM819 | C-AL | 2200UF,20%,16V,LZ,TP,16X20MM,7.5 | SA |
| 5 | 2401-003875 | CM820 | C-AL | 2200UF,20%,16V,LZ,TP,16X20MM,7.5 | SA |
| 5 | 2401-003874 | CM822 | C-AL | 1000UF,20%,25V,LZ,TP,12.5X20MM,5 | SA |
| 5 | 2401-003874 | CM823 | C-AL | 1000UF,20%,25V,LZ,TP,12.5X20MM,5 | SA |
| 5 | 2301-000224 | CM824 | C-FILM,LEAD-PEF | 22nF,5%,50V,TP,7.4x3.9x13mm,5m | SA |
| 5 | 2201-000376 | CM825 | C-CERAMIC,DISC | 0.22NF,5%,50V,SL,TP,6.3X3.5MM,5 | SA |
| 5 | 2306-000122 | CM826 | C-FILM,LEAD-PPF | 100nF,5%,50V,TP,7.3x4.0x5.0mm, | SA |
| 5 | 2306-000122 | CM827 | C-FILM,LEAD-PPF | 100nF,5%,50V,TP,7.3x4.0x5.0mm, | SA |
| 5 | 2305-000289 | CM828 | C-FILM,LEAD-PEF | 220nF,5%,63V,TP,-,5mm | SA |
| 5 | 2201-000315 | CP801 | C-CERAMIC,DISC | 2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5 | SA |
| 5 | 2201-000315 | CP802 | C-CERAMIC,DISC | 2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5 | SA |
| 5 | 2303-000331 | CP804 | C-FILM,LEAD-PPF | 4.7nF,5%,630V,TP,19.5x12x7,7.5 | SA |
| 5 | 2303-000122 | CP806 | C-FILM,LEAD-PEF | 10nF,5%,630V,TP,19x12.5mm,7.5m | SA |
| 5 | 2201-000129 | CP807 | C-CERAMIC,DISC | 0.1NF,10%,1KV,Y5P,TP,7X4MM,5 | SA |
| 5 | 2401-000603 | CP808 | C-AL | 1UF,20%,50V,GP,TP,5X11,2 | SA |
| 5 | 2401-002300 | CP809 | C-AL | 47uF,20%,50V,GP,TP,6.3x11,5 | SA |
| 5 | 2305-000285 | CP810 | C-FILM,LEAD-PEF | 220NF,5%,100V,TP,10.5X5.5X15MM,5 | SA |
| 5 | 2305-000289 | CP811 | C-FILM,LEAD-PEF | 220nF,5%,63V,TP,-,5mm | SA |
| 5 | 2201-000376 | CP812 | C-CERAMIC,DISC | 0.22NF,5%,50V,SL,TP,6.3X3.5MM,5 | SA |
| 5 | 2401-002619 | CP814 | C-AL | 47uF,20%,25V,GP,TP,5x11,5 | SA |
| 5 | 2305-000411 | CP815 | C-FILM,LEAD-PEF | 470nF,5%,50V,TP,7.3x4.8x5.5mm, | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|---------------------|-------------------------------------|---------|
| 5 | 2301-000192 | CP816 | C-FILM,LEAD-PEF | 1nF,5%,50V,TP,5.3x10mm,5mm | SA |
| 5 | 2201-000961 | CP817 | C-CERAMIC,DISC | 0.01nF,0.5PF,50V,RH,TP,4X3.5MM,5 | SA |
| 5 | 2305-000665 | CP818 | C-FILM,LEAD-PEF | 100nF,5%,63V,TP,7.5x4.0x5.0mm, | SA |
| 5 | 2301-000342 | CP819 | C-FILM,LEAD-PEF | 2.2nF,5%,50V,TP,7.4x3.9x13mm,5 | SA |
| 5 | 2401-000603 | CP820 | C-AL | 1uF,20%,50V,GP,TP,5X11,2 | SA |
| 5 | 2401-000480 | CP822 | C-AL | 10uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2201-002026 | CP826 | C-CERAMIC,DISC | 1nF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 5 | 2201-002026 | CP827 | C-CERAMIC,DISC | 1nF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 5 | 2201-002026 | CP828 | C-CERAMIC,DISC | 1nF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 5 | 2301-001396 | CS802 | C-FILM,LEAD-PEF | 100nF,10%,630V,TP,18x6.5x13mm,7.5 | SA |
| 5 | 2401-000480 | CS803 | C-AL | 10uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2401-000962 | CS804 | C-AL | 22uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2301-000445 | CS805 | C-FILM,LEAD-PEF | 4.7nF,5%,50V,TP,5.5x7x3mm,5mm | SA |
| 5 | 2301-000192 | CS806 | C-FILM,LEAD-PEF | 1nF,5%,50V,TP,5.3x10mm,5mm | SA |
| 5 | 2401-000962 | CS807 | C-AL | 22uF,20%,50V,GP,TP,5x11,5 | SA |
| 5 | 2202-000263 | CS808 | C-CERAMIC,MLC-AXIAL | 470pF,10%,50V,Y5P,TP,3.5x19,- | SA |
| 5 | 2202-000263 | CS809 | C-CERAMIC,MLC-AXIAL | 470pF,10%,50V,Y5P,TP,3.5x19,- | SA |
| 5 | 2301-000356 | CS810 | C-FILM,LEAD-PEF | 47nF,5%,50V,TP,7.5x4.0x6.5,5mm | SA |
| 5 | 2303-000122 | CS811 | C-FILM,LEAD-PEF | 10nF,5%,630V,TP,19x12.5mm,7.5m | SA |
| 5 | 2201-000012 | CS812 | C-CERAMIC,DISC | 0.22nF,10%,1KV,Y5P,TP,6.3X5MM,5 | SA |
| 5 | 2201-000012 | CS813 | C-CERAMIC,DISC | 0.22nF,10%,1KV,Y5P,TP,6.3X5MM,5 | SA |
| 5 | 2201-000556 | CS814 | C-CERAMIC,DISC | 0.47nF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000556 | CS815 | C-CERAMIC,DISC | 0.47nF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2401-003872 | CS817 | C-AL | 2200uF,20%,25V,LZ,TP,18X20MM,7.5 | SA |
| 5 | 2401-003872 | CS818 | C-AL | 2200uF,20%,25V,LZ,TP,18X20MM,7.5 | SA |
| 5 | 2305-000411 | CS819 | C-FILM,LEAD-PEF | 470nF,5%,50V,TP,7.3x4.8x5.5mm, | SA |
| 5 | 2201-000376 | CS820 | C-CERAMIC,DISC | 0.22nF,5%,50V,SL,TP,6.3X3.5MM,5 | SA |
| 5 | 2306-000122 | CS821 | C-FILM,LEAD-PPF | 100nF,5%,50V,TP,7.3x4.0x5.0mm, | SA |
| 5 | 2305-000289 | CS822 | C-FILM,LEAD-PEF | 220nF,5%,63V,TP,-,5mm | SA |
| 5 | 0402-000546 | DI805 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0402-000546 | DI806 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0401-000005 | DI807 | DIODE-SWITCHING | 1N4148,75V,150MA,DO-35,TP | SA |
| 5 | 0402-000546 | DI808 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0401-000005 | DI809 | DIODE-SWITCHING | 1N4148,75V,150MA,DO-35,TP | SA |
| 5 | 0401-000005 | DI810 | DIODE-SWITCHING | 1N4148,75V,150MA,DO-35,TP | SA |
| 5 | 0402-000546 | DM801 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0402-000222 | DM802 | DIODE-RECTIFIER | EU1Z,200V,0.25A,DO-41,TP | SA |
| 5 | 0401-000006 | DM803 | DIODE-SWITCHING | BAV21,250V,200MA,DO-35,TP | SA |
| 5 | 0401-000006 | DM804 | DIODE-SWITCHING | BAV21,250V,200MA,DO-35,TP | SA |
| 5 | 0402-000546 | DM806 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0401-000005 | DP801 | DIODE-SWITCHING | 1N4148,75V,150MA,DO-35,TP | SA |
| 5 | 0402-000540 | DP802 | DIODE-RECTIFIER | RU20A,600V,1.5A,-,TP | SA |
| 5 | 0404-001207 | DP804 | DIODE-SCHOTTKY | SB140,40V,1000MA,DO-41,TP | SA |
| 5 | 0404-001207 | DP805 | DIODE-SCHOTTKY | SB140,40V,1000MA,DO-41,TP | SA |
| 5 | 0402-000546 | DP806 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0404-001207 | DP807 | DIODE-SCHOTTKY | SB140,40V,1000MA,DO-41,TP | SA |
| 5 | 0402-000546 | DS801 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0402-000222 | DS802 | DIODE-RECTIFIER | EU1Z,200V,0.25A,DO-41,TP | SA |
| 5 | 0401-000006 | DS803 | DIODE-SWITCHING | BAV21,250V,200MA,DO-35,TP | SA |
| 5 | 0401-000006 | DS804 | DIODE-SWITCHING | BAV21,250V,200MA,DO-35,TP | SA |
| 5 | 3601-001064 | FD801S | FUSE-AXIAL LEAD | 125V,4A,FAST-ACTING,GLASS,2.4x7.5mm | SA |
| 5 | 3601-001064 | FD802S | FUSE-AXIAL LEAD | 125V,4A,FAST-ACTING,GLASS,2.4x7.5mm | SA |
| 5 | 3601-001064 | FD803S | FUSE-AXIAL LEAD | 125V,4A,FAST-ACTING,GLASS,2.4x7.5mm | SA |
| 5 | 3301-001223 | LM801 | BEAD-AXIAL | 62ohm,3.5x0.8x5mm,,TP,,, | SA |
| 5 | 3301-001667 | LP802 | BEAD-AXIAL | 30ohm,3.5X0.62X7,1000mA,TP,,, | SA |
| 5 | 3301-001667 | LP803 | BEAD-AXIAL | 30ohm,3.5X0.62X7,1000mA,TP,,, | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------------|--|---------|
| 5 | 3301-001667 | LP804 | BEAD-AXIAL | 30ohm,3.5X0.62X7,1000mA,TP,... | SA |
| 5 | 3301-001223 | LS801 | BEAD-AXIAL | 62ohm,3.5x0.8x5mm,,TP,... | SA |
| 5 | BN41-00256D | MP4.0 | PCB MAIN | VENUS,FR4,2,D,1.6T,330*245,1 | SNA |
| 5 | 0501-000369 | QI807 | TR-SMALL SIGNAL | KSC2331-Y,NPN,1000mW,T0-92L,TP,120-240 | SA |
| 5 | 0501-000366 | QI809 | TR-SMALL SIGNAL | KSC2330-Y,NPN,1W,T0-92L,-,70-1 | SA |
| 5 | 0501-000366 | QI810 | TR-SMALL SIGNAL | KSC2330-Y,NPN,1W,T0-92L,-,70-1 | SA |
| 5 | 0501-000138 | QI811 | TR-SMALL SIGNAL | 2N5401,PNP,625mW,T0-92,TP,60-240 | SA |
| 5 | 0501-000389 | QM801 | TR-SMALL SIGNAL | KSC815,NPN,400mW,T0-92,TP,120-240 | SA |
| 5 | 0501-000389 | QM813 | TR-SMALL SIGNAL | KSC815,NPN,400mW,T0-92,TP,120-240 | SA |
| 5 | 0501-000389 | QP801 | TR-SMALL SIGNAL | KSC815,NPN,400mW,T0-92,TP,120-240 | SA |
| 5 | 0501-000369 | QP802 | TR-SMALL SIGNAL | KSC2331-Y,NPN,1000mW,T0-92L,TP,120-240 | SA |
| 5 | 3812-001283 | RI802 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 2001-001146 | RI803 | R-CARBON(S) | 4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000085 | RI804 | R-CARBON(S) | 100KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001096 | RI805 | R-CARBON(S) | 2.2OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 3812-001283 | RI807 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 2001-000019 | RI808 | R-CARBON(S) | 100HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001105 | RI809 | R-CARBON(S) | 200HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000085 | RI810 | R-CARBON(S) | 100KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001152 | RI812 | R-CARBON(S) | 47KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2004-000268 | RI816 | R-METAL | 120ohm,1%,1/4W,AA,TP,2.4x6.4mm | SA |
| 5 | 2001-001099 | RI818 | R-CARBON(S) | 2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000109 | RI820 | R-CARBON(S) | 470OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2003-002007 | RI821 | R-METAL OXIDE(S) | 4.7Kohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2003-002007 | RI822 | R-METAL OXIDE(S) | 4.7Kohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2001-000109 | RI823 | R-CARBON(S) | 470OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001088 | RI824 | R-CARBON(S) | 1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000066 | RI825 | R-CARBON(S) | 10KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2004-001099 | RI826 | R-METAL | 56Kohm,1%,1/4W,AA,TP,2.4x6.4mm | SA |
| 5 | 2004-001099 | RI827 | R-METAL | 56Kohm,1%,1/4W,AA,TP,2.4x6.4mm | SA |
| 5 | 2003-001090 | RI828 | R-METAL OXIDE(S) | 10Kohm,5%,2W,AF,TP,4x12mm | SA |
| 5 | 2004-001406 | RI829 | R-METAL(S) | 8.2Kohm,1%,1/2W,AA,TP,2.4x6.4m | SA |
| 5 | 2001-001108 | RI830 | R-CARBON(S) | 22KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001144 | RI831 | R-CARBON(S) | 4.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2003-001090 | RI832 | R-METAL OXIDE(S) | 10Kohm,5%,2W,AF,TP,4x12mm | SA |
| 5 | 2001-000016 | RI833 | R-CARBON(S) | 10HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2009-000018 | RI834 | R-METAL PLATE | 0.22ohm,10%,5W,CL,TP,5x14x18mm | SA |
| 5 | 2001-000052 | RI835 | R-CARBON(S) | 3.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001152 | RI836 | R-CARBON(S) | 47KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001078 | RI837 | R-CARBON(S) | 15KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001078 | RI838 | R-CARBON(S) | 15KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2004-002016 | RI839 | R-METAL(S) | 15Kohm,1%,1/2W,AA,TP,2.5x6.5mm | SA |
| 5 | 2001-001194 | RM801 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001194 | RM802 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001194 | RM803 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001103 | RM804 | R-CARBON(S) | 20KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001117 | RM805 | R-CARBON(S) | 2KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001129 | RM806 | R-CARBON(S) | 330KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001131 | RM807 | R-CARBON(S) | 33KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2009-000022 | RM808 | R-METAL PLATE | 0.47ohm,10%,5W,CL,TP,5x14x18mm | SA |
| 5 | 2001-000037 | RM809 | R-CARBON(S) | 330OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001097 | RM810 | R-CARBON(S) | 2.4KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001088 | RM811 | R-CARBON(S) | 1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2003-002186 | RM812 | R-METAL OXIDE(S) | 22Kohm,5%,2W,AG,TP,3.9x12mm | SA |
| 5 | 2003-002186 | RM813 | R-METAL OXIDE(S) | 22Kohm,5%,2W,AG,TP,3.9x12mm | SA |
| 5 | 2003-002186 | RM814 | R-METAL OXIDE(S) | 22Kohm,5%,2W,AG,TP,3.9x12mm | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|------------------|---------------------------------|---------|
| 5 | 2001-001050 | RM815 | R-CARBON(S) | 1.5KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001088 | RM816 | R-CARBON(S) | 1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001131 | RM817 | R-CARBON(S) | 33KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001093 | RM818 | R-CARBON(S) | 2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001050 | RM819 | R-CARBON(S) | 1.5KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2003-001023 | RM820 | R-METAL OXIDE(S) | 120ohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2003-002071 | RM821 | R-METAL OXIDE | 560ohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2008-000206 | RM823 | R-FUSIBLE(S) | 1ohm,5%,1/2W,AF,TP,2.5x6.5mm | SA |
| 5 | 2001-001194 | RM824 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2003-001038 | RP802 | R-METAL OXIDE(S) | 4.7ohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2009-001096 | RP803 | R-METAL PLATE | 0.07ohm,5%,5W,CL,BK,5x14x18mm | SA |
| 5 | 2003-002044 | RP804 | R-METAL OXIDE(S) | 100ohm,5%,1W,AF,TP,2.5x6.5mm | SA |
| 5 | 2009-001096 | RP805 | R-METAL PLATE | 0.07ohm,5%,5W,CL,BK,5x14x18mm | SA |
| 5 | 2001-001088 | RP806 | R-CARBON(S) | 1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001049 | RP807 | R-CARBON(S) | 1.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001144 | RP808 | R-CARBON(S) | 4.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001093 | RP809 | R-CARBON(S) | 2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001161 | RP810 | R-CARBON(S) | 560KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001161 | RP811 | R-CARBON(S) | 560KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001191 | RP814 | R-CARBON(S) | 820KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001191 | RP815 | R-CARBON(S) | 820KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001150 | RP816 | R-CARBON(S) | 470KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001131 | RP817 | R-CARBON(S) | 33KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000019 | RP818 | R-CARBON(S) | 100HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000019 | RP819 | R-CARBON(S) | 100HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001099 | RP820 | R-CARBON(S) | 2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000085 | RP821 | R-CARBON(S) | 100KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000022 | RP822 | R-CARBON(S) | 330HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000022 | RP823 | R-CARBON(S) | 330HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2004-001099 | RP824 | R-METAL | 56Kohm,1%,1/4W,AA,TP,2.4x6.4mm | SA |
| 5 | 2001-001150 | RP825 | R-CARBON(S) | 470KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001078 | RP826 | R-CARBON(S) | 15KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001179 | RP827 | R-CARBON(S) | 68KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000107 | RP828 | R-CARBON(S) | 150KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000022 | RP829 | R-CARBON(S) | 330HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001099 | RP830 | R-CARBON(S) | 2.7KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001146 | RP831 | R-CARBON(S) | 4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001163 | RP832 | R-CARBON(S) | 560OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001154 | RP833 | R-CARBON(S) | 5.1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2004-002018 | RP834 | R-METAL(S) | 220Kohm,1%,1/2W,AA,TP,2.4x6.4m | SA |
| 5 | 2004-002018 | RP835 | R-METAL(S) | 220Kohm,1%,1/2W,AA,TP,2.4x6.4m | SA |
| 5 | 2004-002018 | RP836 | R-METAL(S) | 220Kohm,1%,1/2W,AA,TP,2.4x6.4m | SA |
| 5 | 2004-001395 | RP837 | R-METAL(S) | 330Kohm,2%,1/2W,AA,TP,2.4x6.4m | SA |
| 5 | 2004-000643 | RP838 | R-METAL | 270Kohm,1%,1/4W,AA,TP,2.4x6.4m | SA |
| 5 | 2004-000643 | RP839 | R-METAL | 270Kohm,1%,1/4W,AA,TP,2.4x6.4m | SA |
| 5 | 2004-004015 | RP840 | R-METAL(S) | 9.1Kohm,1%,1/2W,AA,TP,2.5x6.5m | SA |
| 5 | 2004-000216 | RP841 | R-METAL | 10Kohm,1%,1/4W,AA,TP,2.4x6.4mm | SA |
| 5 | 2003-002239 | RP843 | R-METAL OXIDE(S) | 100KOHM,5%,2W,AF,TP,3.9X10MM | SA |
| 5 | 2003-002239 | RP844 | R-METAL OXIDE(S) | 100KOHM,5%,2W,AF,TP,3.9X10MM | SA |
| 5 | 2003-002239 | RP845 | R-METAL OXIDE(S) | 100KOHM,5%,2W,AF,TP,3.9X10MM | SA |
| 5 | 2008-000261 | RP846 | R-FUSIBLE(S) | 150ohm,5%,1W,AF,TP,3.9x10mm | SA |
| 5 | 2001-001194 | RS801 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001194 | RS802 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001194 | RS803 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001103 | RS804 | R-CARBON(S) | 20KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001117 | RS805 | R-CARBON(S) | 2KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|------------------------|---|---------|
| 5 | 2001-001129 | RS806 | R-CARBON(S) | 330KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2009-001012 | RS807 | R-METAL PLATE | 0.270HM,10%,5W,CL,TP,5X14X18MM | SA |
| 5 | 2001-001131 | RS808 | R-CARBON(S) | 33KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000037 | RS809 | R-CARBON(S) | 330OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001097 | RS810 | R-CARBON(S) | 2.4KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001088 | RS811 | R-CARBON(S) | 1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2003-002186 | RS812 | R-METAL OXIDE(S) | 22Kohm,5%,2W,AG,TP,3.9x12mm | SA |
| 5 | 2003-002186 | RS813 | R-METAL OXIDE(S) | 22Kohm,5%,2W,AG,TP,3.9x12mm | SA |
| 5 | 2003-002186 | RS814 | R-METAL OXIDE(S) | 22Kohm,5%,2W,AG,TP,3.9x12mm | SA |
| 5 | 2001-001050 | RS815 | R-CARBON(S) | 1.5KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001088 | RS816 | R-CARBON(S) | 1KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-001131 | RS817 | R-CARBON(S) | 33KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2004-000216 | RS818 | R-METAL | 10Kohm,1%,1/4W,AA,TP,2.4x6.4mm | SA |
| 5 | 2004-001983 | RS819 | R-METAL(S) | 2.49Kohm,1%,1/2W,AA,TP,2.4x6.4 | SA |
| 5 | 2003-002071 | RS820 | R-METAL OXIDE | 560ohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2008-000206 | RS821 | R-FUSIBLE(S) | 1ohm,5%,1/2W,AF,TP,2.5x6.5mm | SA |
| 5 | 2001-001194 | RS822 | R-CARBON(S) | 82KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2002-001012 | RY801S | R-COMPOSITION | 8.2Mohm,5%,1/2W,AA,TP,3.7x9mm | SA |
| 5 | 2103-000670 | VRM801 | VR-SEMI | 1Kohm,25%,1/5W,TOP | SA |
| 5 | 0403-001328 | ZDI801 | DIODE-ZENER | MTZJ22A,20.15-21.2V,500MW,DO-34,TP | SA |
| 5 | 0403-000718 | ZDI803 | DIODE-ZENER | MTZJ6.8B,6.52-6.79V,500MW,DO-34,10.4-11V | SA |
| 5 | 0403-001330 | ZDI804 | DIODE-ZENER | MTZJ30A,26.99-28.39V,500MW,DO-34,TP | SA |
| 5 | 0403-001330 | ZDI805 | DIODE-ZENER | MTZJ30A,26.99-28.39V,500MW,DO-34,TP | SA |
| 5 | 0403-001330 | ZDI806 | DIODE-ZENER | MTZJ30A,26.99-28.39V,500MW,DO-34,TP | SA |
| 5 | 0403-001330 | ZDI807 | DIODE-ZENER | MTZJ30A,26.99-28.39V,500MW,DO-34,TP | SA |
| 5 | 0403-000510 | ZDI808 | DIODE-ZENER | MTZJ6.2B,5.96-6.27V,500MW,DO-34,TP | SA |
| 5 | 0403-000348 | ZDI809 | DIODE-ZENER | UZ36B,33-39V,500MW,DO-35,TP | SA |
| 5 | 0403-001327 | ZDM801 | DIODE-ZENER | MTZJ18A,16.22-17.06V,500MW,DO-34,TP | SA |
| 5 | 0403-001328 | ZDM802 | DIODE-ZENER | MTZJ22A,20.15-21.2V,500MW,DO-34,TP | SA |
| 5 | 0403-001211 | ZDP801 | DIODE-ZENER | MTZJ12B,11.8-12.3V,500MW,DO-34,TP | SA |
| 5 | 0403-001318 | ZDP802 | DIODE-ZENER | MTZJ4.3B,4.17-4.43V,500MW,DO-34,TP | SA |
| 5 | 0403-001325 | ZDP803 | DIODE-ZENER | MTZJ15C,14.42-15.02V,500MW,DO-34,TP | SA |
| 5 | 0403-000510 | ZDP804 | DIODE-ZENER | MTZJ6.2B,5.96-6.27V,500MW,DO-34,TP | SA |
| 5 | 0403-001325 | ZDP805 | DIODE-ZENER | MTZJ15C,14.42-15.02V,500MW,DO-34,TP | SA |
| 5 | 0403-001327 | ZDS801 | DIODE-ZENER | MTZJ18A,16.22-17.06V,500MW,DO-34,TP | SA |
| 5 | 0403-001328 | ZDS802 | DIODE-ZENER | MTZJ22A,20.15-21.2V,500MW,DO-34,TP | SA |
| 5 | 1203-001217 | ZDT801 | IC-POS1.ADJUST REG. | 431,T0-92,3P,4.58MIL,PLASTIC,2 | SA |
| 5 | 1203-001217 | ZDT802 | IC-POS1.ADJUST REG. | 431,T0-92,3P,4.58MIL,PLASTIC,2 | SA |
| 4 | BP96-00198A | IC801S | ASSY HEAT SINK P | BP62-00018E,SCREW,SPRING,IRFB20N50K(4),STTH15R06D(2),STR-W6853,RUBBER,OIL | SNA |
| 5 | 0402-001549 | CIS | DIODE-RECTIFIER | STTH15R06D,600V,15A,-,ST | SA |
| 5 | 1203-002827 | CIS | IC-PWM CONTROLLER | STR-W6853,T0-220(FORMING),6P,16.9X10MM,PLASTIC,10.4/18.2V,1.5W,-20TO+125C,22A,- | SA |
| 5 | 1404-001252 | CIS | THERMISTOR-PTC | 850HM,25%,16V,30VAC,-,-,BK | SA |
| 5 | 6003-000335 | CIS | SCREW-TAPTITE | RH,+2S,M3,L8,ZPC(YEL),SWRCH18 | SNA |
| 5 | BH61-00004A | CIS | SPRING ETC-TR | CDA,CDB,SUS304,-,-,-,-,T0.5,-,-,- | SNA |
| 5 | BN61-00628A | CIS | SUPPORT-SCREW | NB21BS,NYLON66,T2.25,@5.25,NTR,DAWG - 5N | SNA |
| 5 | BP62-00018E | CIS | HEAT SINK-ES | VENUS,A6063S,T2.0,20,173 | SNA |
| 3 | BN94-00444P | - | ASSY PCB POWER-SUB PCB | NF32 | SNA |
| 4 | 2401-003920 | CB813 | C-AL | 47uF,20%,450V,WT,BK,18x31.5mm,7.5 | SA |
| 4 | 0201-001578 | CIS | ADHESIVE-HM | HM-555,WHIT,4,000 Cps,- | SNA |
| 4 | 0204-002420 | CIS | SOLVENT | 1M-1000,C3H7OH,96,-,- | SNA |
| 4 | 0204-002426 | CIS | FLUX | DF-201TVS,MIX,0.820,FLUX13%,14KG,- | SNA |
| 4 | BN39-00354B | CIS | LEAD CONNECTOR | NAPLES,UL1007 #26,UL/CSA,4P,170MM,#26,35155-0400,35155-0400,BK,1007#26 | SA |
| 4 | BN39-00355E | CIS | LEAD CONNECTOR | NAPLES,UL1617 #22,UL/CSA,3P,170MM,#22,35156-0300,35156-0300,BK,1617 #22 | SA |
| 4 | BN39-00493A | CIS | LEAD CONNECTOR | NAPLES,UL1617#22,UL/CSA,2P,20MM,#22,YFH800-02,BK,1617#22 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------------------|--|---------|
| 4 | 3711-000024 | CNB811 | CONNECTOR-HEADER | BOX,3P,1R,2.5mm,STRAIGHT,SN | SA |
| 4 | 3711-003043 | CNB812 | CONNECTOR-HEADER | BOX,4P,1R,2.5MM,STRAIGHT,SN,IVR | SA |
| 4 | 3711-002855 | CNB813 | CONNECTOR-HEADER | BOX,2P,1R,7.92mm,STRAIGHT,SN | SA |
| 4 | 2306-000318 | CX811S | C-FILM,LEAD-PPF | 220NF,20%,250V,BK,-,22.5 | SA |
| 4 | 2306-000318 | CX812S | C-FILM,LEAD-PPF | 220NF,20%,250V,BK,-,22.5 | SA |
| 4 | 2201-000963 | CY814S | C-CERAMIC,DISC | 1NF,20%,400V,Y5U,TP,9.5X6MM,10 | SA |
| 4 | 0402-000102 | D811S | DIODE-BRIDGE | D2SB60,200V,1.5A,SIP-4,ST | SA |
| 4 | 0402-000586 | DB814 | DIODE-RECTIFIER | RK49,90V,3.5A,DO-201AD | SA |
| 4 | 3601-001007 | FS811S | FUSE-CARTRIDGE | 250V,6.3A,TIME-LAG,GLASS,5.2x20mm | SA |
| 4 | 1203-003077 | IC811S | IC-PWM CONTROLLER | STR-G5551,TO-220,5P,16.9x10mm,PLASTIC,650V,24.8W,-,20to+125C,2.7A,-,ST | SA |
| 4 | BN27-00024A | L820S | COIL CHOKE-PFC | VD078-02,CK32PS,10mH,+/-10%,2.1ohm,0.8A,16*19,205T,16mm*19mm,5.0mm,0.65PI,BK,-,20C | SA |
| 4 | BN29-00006A | LB810 | FILTER LINE-COMMON MODE | LCDTV,5uH,0.15ohm,5uH min,16x25mm,BK,0.5uH | SA |
| 4 | AA29-00011A | LX813S | FILTER LINE NOISE | CZ32W8,-,0.20MAX,1.5KV,10mH,SQE2828,2.45A,-,ST,500uH,100Mohm,-20to+150C | SA |
| 4 | AA29-00011A | LX816S | FILTER LINE NOISE | CZ32W8,-,0.20MAX,1.5KV,10mH,SQE2828,2.45A,-,ST,500uH,100Mohm,-20to+150C | SA |
| 4 | BN27-00015A | LX817S | COIL CHOKE | VD063,COIL-CHOKE,80uH,+/-10%,0.010ohm,OR18x6X10H,12T,25X26X13mm,4,1.8mm,BK,-,20Ct | SA |
| 4 | 1404-001195 | NT811S | THERMISTOR-NTC | 5.1ohm,15%,2900,27mW/C,BK | SA |
| 4 | 0604-001038 | PC811S | PHOTO-COUPLER | TR,130-260%,200mW,DIP-4,ST | SA |
| 4 | 3711-002855 | PD811S | CONNECTOR-HEADER | BOX,2P,1R,7.92mm,STRAIGHT,SN | SA |
| 4 | 3501-001053 | RL811S | RELAY-POWER | 5VDC,530MW,10000MA,1FORMA,15MS,5MS | SA |
| 4 | BN26-00014A | T811S | TRANS SWITCHING-DPMS | EE 2520,LCD-Monitor,400V,400V,PL-5/PM5,6.2V,24*32*22,50/60Hz,2.5mH,0.7A,22uH,1.3 | SA |
| 4 | BN97-00208Q | - | ASSY AUTO-SUB PCB | NA32 | SNA |
| 5 | 2202-000263 | CB806 | C-CERAMIC,MLC-AXIAL | 470pF,10%,50V,Y5P,TP,3.5x19,- | SA |
| 5 | 2201-000014 | CB807 | C-CERAMIC,DISC | 0.33NF,10%,1KV,Y5P,TP,6.3X5MM,5 | SA |
| 5 | 2305-000665 | CB808 | C-FILM,LEAD-PEF | 100nF,5%,63V,TP,7.5x4.0x5.0mm, | SA |
| 5 | 2201-000556 | CB809 | C-CERAMIC,DISC | 0.47NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000556 | CB810 | C-CERAMIC,DISC | 0.47NF,10%,500V,Y5P,TP,5.5X3MM,5 | SA |
| 5 | 2201-000315 | CB811 | C-CERAMIC,DISC | 2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5 | SA |
| 5 | 2201-000315 | CB812 | C-CERAMIC,DISC | 2.2NF,+80-20%,250V,Y5U,TP,10X6MM,7.5 | SA |
| 5 | 2401-003046 | CB815 | C-AL | 47uF,20%,50V,WT,TP,6.3x11,2.5 | SA |
| 5 | 2401-003046 | CB816 | C-AL | 47uF,20%,50V,WT,TP,6.3x11,2.5 | SA |
| 5 | 2401-000142 | CB817 | C-AL | 1000uF,20%,16V,WT,TP,10x20,5 | SA |
| 5 | 2401-000142 | CB818 | C-AL | 1000uF,20%,16V,WT,TP,10x20,5 | SA |
| 5 | 2306-000122 | CB819 | C-FILM,LEAD-PPF | 100nF,5%,50V,TP,7.3x4.0x5.0mm, | SA |
| 5 | AA60-40014A | CNB804 | PIN-GT,ASSY | AUTO | SNA |
| 5 | AA60-40014A | CNB806 | PIN-GT,ASSY | AUTO | SNA |
| 5 | 2201-002026 | CY811S | C-CERAMIC,DISC | 1NF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 5 | 2201-002026 | CY812S | C-CERAMIC,DISC | 1NF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 5 | 2201-002026 | CY813S | C-CERAMIC,DISC | 1NF,20%,400V,Y5P,TP,11X6MM,7.5 | SA |
| 5 | 0401-000006 | DB812 | DIODE-SWITCHING | BAV21,250V,200MA,DO-35,TP | SA |
| 5 | 0402-000546 | DB813 | DIODE-RECTIFIER | TVR10G,400V,1.0A,DO-41,TP | SA |
| 5 | 0402-000132 | DB815 | DIODE-RECTIFIER | 1N4004,400V,1A,DO-41,TP | SA |
| 5 | 0402-000254 | DB817 | DIODE-RECTIFIER | RGP10J,600V,1A,DO-41,TP | SA |
| 5 | 3601-001064 | FD811S | FUSE-AXIAL LEAD | 125V,4A,FAST-ACTING,GLASS,2.4x7.5mm | SA |
| 5 | 3602-000114 | FS811A | FUSE-HOLDER | -,30mohm | SA |
| 5 | 3602-000114 | FS811B | FUSE-HOLDER | -,30mohm | SA |
| 5 | AA60-40014A | GT811 | PIN-GT,ASSY | AUTO | SNA |
| 5 | AA60-40014A | GT812 | PIN-GT,ASSY | AUTO | SNA |
| 5 | 3812-001283 | J101 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 3812-001283 | J103 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 3812-001283 | J106 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 3812-001283 | J107 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 3812-001283 | J108 | WIRE-NO SHEATH CU | TCWA,300V,52mm(TAPING),1/0.6mm,-,- | SNA |
| 5 | 2901-000299 | LB812 | FILTER-EMI ON BOARD | -,6A,UL/CSA,-,9x7.5,TP,- | SA |
| 5 | BN41-00455A | MP1.0 | PCB-POWER SUB | NAPLES 32,FR-4,2LAYER,A,1.6T,330*245,3,1 BOARD 3 ARRAY | SNA |
| 5 | 0501-000010 | Q813 | TR-SMALL SIGNAL | KSC1008,NPN,800mW,TO-92,TP,120-240 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------------|--|---------|
| 5 | 0501-000369 | QB811 | TR-SMALL SIGNAL | KSC2331-Y,NPN,1000mW,T0-92L,TP,120-240 | SA |
| 5 | 0501-000389 | QB812 | TR-SMALL SIGNAL | KSC815,NPN,400mW,T0-92,TP,120-240 | SA |
| 5 | 2003-002239 | RB811 | R-METAL OXIDE(S) | 100KOHM,5%,2W,AF,TP,3.9X10MM | SA |
| 5 | 2001-001165 | RB812 | R-CARBON(S) | 560HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2008-000206 | RB813 | R-FUSIBLE(S) | 1ohm,5%,1/2W,AF,TP,2.5x6.5mm | SA |
| 5 | 2001-001072 | RB814 | R-CARBON(S) | 120HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000591 | RB815 | R-CARBON | 3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM | SA |
| 5 | 2001-000429 | RB816 | R-CARBON | 1KOHM,5%,1/8W,AA,TP,1.8X3.2MM | SA |
| 5 | 2001-000591 | RB817 | R-CARBON | 3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM | SA |
| 5 | 2001-000019 | RB819 | R-CARBON(S) | 100HM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000085 | RB820 | R-CARBON(S) | 100KOHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2001-000660 | RB821 | R-CARBON | 33KOHM,5%,1/8W,AA,TP,1.8X3.2MM | SA |
| 5 | 2003-001040 | RB822 | R-METAL OXIDE(S) | 47Kohm,5%,2W,AF,TP,3.9x10mm | SA |
| 5 | 2002-001068 | RB823 | R-COMPOSITION | 180Kohm,5%,1/2W,AA,TP,3.9x9mm | SA |
| 5 | 2002-001068 | RB824 | R-COMPOSITION | 180Kohm,5%,1/2W,AA,TP,3.9x9mm | SA |
| 5 | 2001-001178 | RB825 | R-CARBON(S) | 680OHM,5%,1/2W,AA,TP,2.4X6.4MM | SA |
| 5 | 2005-001066 | RB826 | R-WIRE WOUND | 1.2OHM,5%,1W,AA,TP,3.3X9MM | SA |
| 5 | 2002-001010 | RX811S | R-COMPOSITION | 1.8Mohm,5%,1/2W,AA,TP,3.7x9mm | SA |
| 5 | 1405-000187 | VX811S | VARIATOR | 750V,1250A,12.5x7mm,TP | SA |
| 3 | BN94-00539G | - | ASSY PCB MAIN-E4 | NF32UO | SA |
| 4 | 2305-000665 | C5105 | C-FILM,LEAD-PEF | 100nF,5%,63V,TP,7.5x4.0x5.0mm, | SA |
| 4 | 2305-000665 | C5114 | C-FILM,LEAD-PEF | 100nF,5%,63V,TP,7.5x4.0x5.0mm, | SA |
| 4 | 2305-000196 | C6102 | C-FILM,LEAD-PEF | 150nF,5%,63V,TP,-,5mm | SA |
| 4 | 2305-000196 | C6109 | C-FILM,LEAD-PEF | 150nF,5%,63V,TP,-,5mm | SA |
| 4 | 2305-000196 | C6112 | C-FILM,LEAD-PEF | 150nF,5%,63V,TP,-,5mm | SA |
| 4 | 2305-000196 | C6114 | C-FILM,LEAD-PEF | 150nF,5%,63V,TP,-,5mm | SA |
| 4 | 0204-002420 | CIS3 | SOLVENT | 1M-1000,C3H7OH,96,-,- | SNA |
| 4 | 0204-002426 | CIS4 | FLUX | DF-201TVS,MIX,0.820,FLUX13%,14KG,- | SNA |
| 4 | AA39-30007A | CIS6 | CBF IF | -,T,100mm,1365#26 | SA |
| 4 | BN39-00441B | CIS7 | LEAD CONNECTOR | NF32EO,UL1007#26,14P,150MM,#28,SMH200-14,SMH200-14,BK,1007#26,TUBE | SNA |
| 4 | 3722-001061 | CN709 | JACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
| 4 | 3701-001294 | CN711 | CONNECTOR-DSUB | 15P,3R,FEMALE,STRAIGHT,AUF | SA |
| 4 | 3722-001734 | CN712 | JACK-VHS | 4P,-,SN,BLK,- | SA |
| 4 | 3701-001292 | CN715 | CONNECTOR-DVI | 24P,3R,FEMALE,STRAIGHT,AU10U | SA |
| 4 | 3711-004121 | CN810 | CONNECTOR-HEADER | BOX,14P,1R,2mm,ANGLE,SN | SA |
| 4 | 3711-000057 | CN811 | CONNECTOR-HEADER | BOX,3P,1R,2.5mm,ANGLE,SN | SA |
| 4 | 3705-001329 | CN908 | CONNECTOR-COAXIAL | NT(F),ADAPTOR,-,75ohm,- | SA |
| 4 | 3722-001931 | JA610 | JACK-PIN | 1P,-,AU,BLK,- | SA |
| 4 | 3722-001061 | JA611 | JACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
| 4 | 3722-002063 | JA710 | JACK-PIN | 3P,AU,YEL/WHT/RED,STRAIGHT | SA |
| 4 | 3722-001938 | JA711 | JACK-PIN | 3P,-,AU,GRN/BLU/RED,- | SA |
| 4 | 3722-001938 | JA712 | JACK-PIN | 3P,-,AU,GRN/BLU/RED,- | SA |
| 4 | 3722-001903 | JA713 | JACK-PIN | 2P,-,AU,WHT/RED,- | SA |
| 4 | 3722-001903 | JA714 | JACK-PIN | 2P,-,AU,WHT/RED,- | SA |
| 4 | 3722-001903 | JA715 | JACK-PIN | 2P,-,AU,WHT/RED,- | SA |
| 4 | 3722-002063 | JA720 | JACK-PIN | 3P,AU,YEL/WHT/RED,STRAIGHT | SA |
| 4 | 3722-001061 | JA910 | JACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
| 4 | 3722-001061 | JA911 | JACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
| 4 | BN40-00038A | TU110 | TUNER | TMQH6-701A,MUSE,NTSC,181CH,45.75MHz,75 ohm,75 ohm,F-CON/PHONE,ASYMM,5V,TR | SA |
| 4 | BN40-00050A | TU111 | TUNER | TMQH6-003B,PDP-NELSON,NTSC,181CH,45.75MHz,2.5V,75 ohm,75 ohm,PHONE,ASYMM,5V,TR,5 | SA |
| 4 | BN97-00354X | MICOM | ASSY MICOM | NF32UO | SA |
| 5 | 1102-001097 | IC921 | IC-EPROM | 27C010,128KX8BIT,PLCC,32P,-,90NS,5V,10%,PLASTIC,0TO+70C,0.1MA,CMOS,TR | SA |
| 5 | BN82-00114S | CIS | A/S MICOM | NF32EO | SNA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|--------------|---|---------|
| 4 | BN97-00359T | - | ASSY SMD | NF32U0 | SNA |
| 5 | 3301-001145 | BD112 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD114 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD117 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001236 | BD1815 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001145 | BD210 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD211 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD212 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD213 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD214 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD215 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2703-000398 | BD216 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 3301-001145 | BD217 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD218 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2703-000398 | BD219 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | BD220 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | BD221 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | BD222 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 3301-001145 | BD223 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD224 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD310 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD311 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD312 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD313 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001236 | BD314 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001145 | BD315 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD410 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD510 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD610 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD611 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD612 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD613 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2703-000398 | BD614 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | BD615 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | BD616 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | BD617 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 3301-001236 | BD710 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD711 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD712 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001145 | BD811 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD812 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD813 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD814 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD815 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD816 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD819 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001236 | BD820 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD821 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SA |
| 5 | 3301-001145 | BD822 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD824 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD825 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD910 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD911 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2703-001778 | BD912 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 2703-001778 | BD913 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 3301-001145 | BD914 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|--------------|---|---------|
| 5 | 2703-000412 | BD915 | INDUCTOR-SMD | 8.2uH,5%,3225 | SA |
| 5 | 3301-001145 | BD916 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2703-001778 | BD917 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 3301-001145 | BD918 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | BD919 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001236 | BD920 | BEAD-SMD | 60ohm,1608,200mA,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD921 | BEAD-SMD | 60ohm,1608,200mA,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD922 | BEAD-SMD | 60ohm,1608,200mA,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD923 | BEAD-SMD | 60ohm,1608,200mA,,,,0.7ohm | SA |
| 5 | 3301-001236 | BD924 | BEAD-SMD | 60ohm,1608,200mA,,,,0.7ohm | SA |
| 5 | 2203-000998 | C110 | C-CER,CHIP | 0.047NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000998 | C111 | C-CER,CHIP | 0.047NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2402-001070 | C112 | C-AL,SMD | 470uF,20%,16V,GP,TP,10x10.2,- | SA |
| 5 | 2203-000998 | C114 | C-CER,CHIP | 0.047NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000998 | C115 | C-CER,CHIP | 0.047NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-005005 | C116 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C120 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C121 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000173 | C124 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C125 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-001145 | C126 | C-AL,CHIP | 47UF,20%,50V,GP,TP,6.3X7.7MM | SA |
| 5 | 2402-001145 | C127 | C-AL,CHIP | 47UF,20%,50V,GP,TP,6.3X7.7MM | SA |
| 5 | 2203-000189 | C128 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C129 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C130 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C131 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001070 | C1815 | C-AL,SMD | 470uF,20%,16V,GP,TP,10x10.2,- | SA |
| 5 | 2402-001044 | C1837 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-005065 | C2001 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2203-000140 | C210 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C2100 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-001656 | C2101 | C-CER,CHIP | 0.47nF,5%,50V,NP0,TP,1608 | SA |
| 5 | 2203-001656 | C2102 | C-CER,CHIP | 0.47nF,5%,50V,NP0,TP,1608 | SA |
| 5 | 2203-000189 | C2103 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C2104 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C2105 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C2106 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000108 | C2107 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000179 | C2108 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000257 | C2109 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000972 | C211 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C2110 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000257 | C2111 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000626 | C2112 | C-CER,CHIP | 0.022nF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000189 | C2113 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2114 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C2115 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000170 | C2116 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2203-001034 | C2117 | C-CER,CHIP | 5.6nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C2118 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C2119 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000140 | C212 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C2120 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2121 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001155 | C2122 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2402-000108 | C2123 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |

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| 5 | 2402-001155 | C2124 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2203-000189 | C2125 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000170 | C2126 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2203-001652 | C2127 | C-CER,CHIP | 470nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-005005 | C2128 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-001052 | C2129 | C-CER,CHIP | 0.56nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000972 | C213 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-001222 | C2130 | C-CER,CHIP | 0.82NF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000108 | C2131 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C2132 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000108 | C2133 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C2134 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005065 | C2135 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2402-000108 | C2136 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C2137 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000357 | C2138 | C-CER,CHIP | 0.15NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000108 | C2139 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-001140 | C214 | C-CER,CHIP | 68nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005065 | C2140 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2203-000626 | C2141 | C-CER,CHIP | 0.022nF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C2142 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C2143 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C2144 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C2145 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C2146 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C2147 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-001155 | C2148 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2203-000626 | C2149 | C-CER,CHIP | 0.022nF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001140 | C215 | C-CER,CHIP | 68nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C2150 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2151 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C2152 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C2153 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2154 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2155 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C2156 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C2157 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C2158 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C2159 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C216 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C2160 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2161 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2162 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2163 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2164 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001155 | C2165 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2203-000189 | C2166 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C2167 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001155 | C2168 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2402-001155 | C2169 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2203-001140 | C217 | C-CER,CHIP | 68nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C2170 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C2171 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000170 | C2172 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-001042 | C2173 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C2174 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |

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| 5 | 2402-001042 | C2175 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-001140 | C218 | C-CER,CHIP | 68nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C219 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C220 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C221 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000440 | C222 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-001042 | C223 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C224 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000440 | C225 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001140 | C226 | C-CER,CHIP | 68nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000972 | C227 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000140 | C228 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001140 | C229 | C-CER,CHIP | 68nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000972 | C230 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000140 | C231 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-000173 | C232 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-000440 | C234 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000838 | C235 | C-CER,CHIP | 0.39NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001402 | C236 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000440 | C237 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000838 | C238 | C-CER,CHIP | 0.39NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001402 | C239 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000998 | C240 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000998 | C241 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000998 | C242 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000998 | C243 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C245 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001402 | C246 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C247 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C248 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000903 | C249 | C-CER,CHIP | 0.0047NF,0.25PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-000903 | C250 | C-CER,CHIP | 0.0047NF,0.25PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-000903 | C251 | C-CER,CHIP | 0.0047NF,0.25PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-000903 | C252 | C-CER,CHIP | 0.0047NF,0.25PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C253 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000280 | C254 | C-CER,CHIP | 0.01NF,0.5PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-001656 | C255 | C-CER,CHIP | 0.47nF,5%,50V,NP0,TP,1608 | SA |
| 5 | 2203-005005 | C256 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C257 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-001656 | C258 | C-CER,CHIP | 0.47nF,5%,50V,NP0,TP,1608 | SA |
| 5 | 2203-000280 | C259 | C-CER,CHIP | 0.01NF,0.5PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-000280 | C260 | C-CER,CHIP | 0.01NF,0.5PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-000280 | C261 | C-CER,CHIP | 0.01NF,0.5PF,50V,C0G,TP,1608 | SA |
| 5 | 2402-001042 | C262 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C263 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C264 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000972 | C265 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C266 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000140 | C267 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001402 | C268 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000972 | C269 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000972 | C270 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C271 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2402-000179 | C272 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000140 | C273 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001402 | C274 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |

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| 5 | 2203-000972 | C275 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C276 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000179 | C277 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-006036 | C278 | C-CER,CHIP | 680NF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C279 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-006036 | C280 | C-CER,CHIP | 680NF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-006036 | C281 | C-CER,CHIP | 680NF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C282 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-006036 | C283 | C-CER,CHIP | 680NF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-006036 | C284 | C-CER,CHIP | 680NF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2402-000176 | C285 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000783 | C286 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C287 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C288 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C289 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000176 | C290 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C291 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C292 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C293 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001155 | C294 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
| 5 | 2203-000189 | C295 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C296 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C297 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C298 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C299 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C310 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C311 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C312 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C313 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C314 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C315 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C316 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C317 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C318 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C319 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C320 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C321 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C322 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C323 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C324 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C325 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C326 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C327 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C328 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000135 | C329 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2203-000189 | C330 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C331 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000440 | C332 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C333 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000135 | C334 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2203-000189 | C335 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000440 | C336 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000236 | C337 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C338 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C339 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000236 | C340 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |

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| 5 | 2203-000888 | C341 | C-CER,CHIP | 4.7nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C342 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C343 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C344 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C345 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C346 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000257 | C347 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C348 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C349 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000440 | C350 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C351 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-000135 | C352 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2203-000189 | C353 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000440 | C354 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C355 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C356 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C357 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000135 | C358 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2203-000189 | C359 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C360 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C361 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C362 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C363 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C364 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C365 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000838 | C366 | C-CER,CHIP | 0.39NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000189 | C367 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C368 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000843 | C369 | C-CER,CHIP | 39nF,10%,25V,X7R,TP,1608,- | SA |
| 5 | 2203-000975 | C370 | C-CER,CHIP | 47nF,10%,25V,X7R,TP,1608,- | SA |
| 5 | 2203-005437 | C371 | C-CER,CHIP | 10000nF,+80-20%,10V,Y5V,TP,3216 | SA |
| 5 | 2203-000440 | C372 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-001042 | C373 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000236 | C374 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C375 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000440 | C376 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005005 | C377 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C378 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C379 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000888 | C380 | C-CER,CHIP | 4.7nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C381 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C382 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000108 | C383 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C384 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C385 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C386 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-000176 | C387 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C388 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C389 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C410 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C4100 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C4101 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C4102 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C4103 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C4104 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C4105 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |

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| 5 | 2203-005005 | C411 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C413 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C415 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C417 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C419 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C421 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C423 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C425 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C426 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C427 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C428 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C429 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C430 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C431 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000257 | C437 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C439 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C441 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C443 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C447 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C449 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C451 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C452 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C453 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C454 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C455 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C456 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C457 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C458 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C459 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C460 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C477 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C478 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C479 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C480 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C481 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C482 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C483 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000041 | C486 | C-CER,CHIP | 0.01nF,0.25PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-000041 | C487 | C-CER,CHIP | 0.01nF,0.25PF,50V,C0G,TP,1608 | SA |
| 5 | 2203-001222 | C488 | C-CER,CHIP | 0.82nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-001222 | C489 | C-CER,CHIP | 0.82nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C491 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C492 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C493 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C494 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C495 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C496 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C497 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C498 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C499 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C510 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-000176 | C5102 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C5103 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000440 | C5104 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005005 | C5106 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C5107 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |

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| 5 | 2203-005005 | C5108 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C5109 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C511 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000440 | C5110 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005005 | C5111 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C5113 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C5115 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C5116 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C5117 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C5118 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000440 | C5119 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005005 | C512 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C5123 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C5124 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C5125 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C5126 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000440 | C5127 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C5128 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C5129 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005005 | C513 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005065 | C5130 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2203-005065 | C5131 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2402-001086 | C5132 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.6X6.6X5.3 | SA |
| 5 | 2203-005005 | C5133 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001086 | C5136 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.6X6.6X5.3 | SA |
| 5 | 2402-001086 | C5137 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.6X6.6X5.3 | SA |
| 5 | 2203-005005 | C5138 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000815 | C5139 | C-CER,CHIP | 0.033NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C514 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005065 | C5140 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2203-000626 | C5141 | C-CER,CHIP | 0.022nF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C5142 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001086 | C5143 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.6X6.6X5.3 | SA |
| 5 | 2203-005005 | C5144 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C5145 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C515 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C516 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C517 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C518 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C519 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C520 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C521 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C522 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C523 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C524 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C525 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C526 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C527 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C528 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C529 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C530 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C531 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C532 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C533 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C534 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C535 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|-----------------------------------|---------|
| 5 | 2203-005005 | C536 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C537 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C538 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C539 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C540 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C541 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C542 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C543 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C544 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C545 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000384 | C547 | C-CER,CHIP | 0.015NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000384 | C549 | C-CER,CHIP | 0.015NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000384 | C550 | C-CER,CHIP | 0.015NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-001042 | C551 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C554 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C555 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C556 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C557 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C558 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C559 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C560 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C561 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C562 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C563 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C564 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C565 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C570 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C572 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C573 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C574 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C578 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C579 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C580 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C585 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C586 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C587 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C588 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C589 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C596 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C598 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C610 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2402-000173 | C6100 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000179 | C6101 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000189 | C6103 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C6104 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C6105 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C6106 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C6107 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-001652 | C6108 | C-CER,CHIP | 470nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000972 | C611 | C-CER,CHIP | 47nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-001652 | C6110 | C-CER,CHIP | 470nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000257 | C6111 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C6113 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C6115 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000173 | C6116 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C6117 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |

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|-------|-------------|----------|-------------|-----------------------------------|---------|
| 5 | 2402-000173 | C6118 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-000189 | C6119 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000135 | C612 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2402-001044 | C6120 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-000189 | C6121 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-001607 | C6122 | C-CER,CHIP | 0.22nF,5%,50V,NP0,-,1608 | SA |
| 5 | 2402-000170 | C6123 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-000170 | C6124 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2203-000189 | C6125 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001044 | C6126 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2402-001044 | C6127 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-000189 | C6128 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-001071 | C613 | C-CER,CHIP | 0.056NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000872 | C614 | C-CER,CHIP | 0.003NF,0.25PF,50V,COG,TP,1608 | SA |
| 5 | 2402-000173 | C615 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-000140 | C616 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001071 | C617 | C-CER,CHIP | 0.056NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000872 | C618 | C-CER,CHIP | 0.003NF,0.25PF,50V,COG,TP,1608 | SA |
| 5 | 2203-001656 | C619 | C-CER,CHIP | 0.47nF,5%,50V,NP0,TP,1608 | SA |
| 5 | 2402-000176 | C620 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C621 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C622 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000173 | C623 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C624 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C625 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C626 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C627 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C628 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C629 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C630 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-000189 | C631 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C632 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C633 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000173 | C634 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-005005 | C635 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000888 | C636 | C-CER,CHIP | 4.7nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C637 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000888 | C638 | C-CER,CHIP | 4.7nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C639 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C640 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000798 | C641 | C-CER,CHIP | 33nF,10%,16V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C642 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000798 | C643 | C-CER,CHIP | 33nF,10%,16V,X7R,TP,1608,- | SA |
| 5 | 2203-001656 | C644 | C-CER,CHIP | 0.47nF,5%,50V,NP0,TP,1608 | SA |
| 5 | 2203-000715 | C645 | C-CER,CHIP | 3.3nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000140 | C646 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C647 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-001042 | C648 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-000176 | C649 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C650 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C651 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C652 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000798 | C653 | C-CER,CHIP | 33nF,10%,16V,X7R,TP,1608,- | SA |
| 5 | 2203-000798 | C654 | C-CER,CHIP | 33nF,10%,16V,X7R,TP,1608,- | SA |
| 5 | 2203-005065 | C655 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |
| 5 | 2203-005065 | C656 | C-CER,CHIP | 1000nF,+80-20%,10V,Y5V,-,1608 | SA |

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| 5 | 2203-001402 | C657 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C658 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-005221 | C659 | C-CER,CHIP | 15nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005221 | C662 | C-CER,CHIP | 15nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C663 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000179 | C664 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-005221 | C665 | C-CER,CHIP | 15nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005221 | C666 | C-CER,CHIP | 15nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001126 | C667 | C-CER,CHIP | 0.68nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-001126 | C670 | C-CER,CHIP | 0.68nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000173 | C671 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-001630 | C672 | C-CER,CHIP | 330nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001630 | C673 | C-CER,CHIP | 330nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2402-001042 | C675 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C676 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C678 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C679 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000357 | C680 | C-CER,CHIP | 0.15NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001103 | C681 | C-CER,CHIP | 6.8nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-001103 | C682 | C-CER,CHIP | 6.8nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000357 | C683 | C-CER,CHIP | 0.15NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C684 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C685 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000236 | C686 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C687 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000236 | C688 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000236 | C689 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C690 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000170 | C691 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-000170 | C692 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-000170 | C693 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-000170 | C694 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-000170 | C695 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-001044 | C696 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2402-000135 | C697 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2402-000173 | C698 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C699 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-000783 | C708 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C709 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-001042 | C710 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-000176 | C711 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C712 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C713 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000236 | C714 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C715 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C716 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C717 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000815 | C718 | C-CER,CHIP | 0.033NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000815 | C719 | C-CER,CHIP | 0.033NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000815 | C720 | C-CER,CHIP | 0.033NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000236 | C721 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C722 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000236 | C723 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000783 | C724 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C725 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000815 | C726 | C-CER,CHIP | 0.033NF,5%,50V,C0G,TP,1608 | SA |

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| 5 | 2203-000815 | C727 | C-CER,CHIP | 0.033NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000815 | C728 | C-CER,CHIP | 0.033NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000783 | C729 | C-CER,CHIP | 0.33NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000783 | C730 | C-CER,CHIP | 0.33NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000783 | C731 | C-CER,CHIP | 0.33NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000783 | C732 | C-CER,CHIP | 0.33NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2402-000176 | C734 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C735 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C736 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C737 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C738 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C739 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C740 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000783 | C741 | C-CER,CHIP | 0.33NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000783 | C742 | C-CER,CHIP | 0.33NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000236 | C756 | C-CER,CHIP | 0.1NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-005005 | C757 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000815 | C758 | C-CER,CHIP | 0.033NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000236 | C761 | C-CER,CHIP | 0.1NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000236 | C762 | C-CER,CHIP | 0.1NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000236 | C763 | C-CER,CHIP | 0.1NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000257 | C807 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C808 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000715 | C809 | C-CER,CHIP | 3.3nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000189 | C810 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C811 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C812 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C813 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001044 | C814 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2402-001042 | C815 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001044 | C816 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-000189 | C817 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C818 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C819 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C820 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001044 | C821 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-000189 | C822 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C823 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001044 | C824 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2402-000170 | C825 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-001145 | C826 | C-AL,CHIP | 47UF,20%,50V,GP,TP,6.3X7.7MM | SA |
| 5 | 2402-001145 | C827 | C-AL,CHIP | 47UF,20%,50V,GP,TP,6.3X7.7MM | SA |
| 5 | 2402-001042 | C828 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C829 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C830 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000179 | C831 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000189 | C832 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C833 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C834 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2409-001029 | C835 | C-ORGANIC | 120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9 | SA |
| 5 | 2203-005005 | C836 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001044 | C837 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-005005 | C838 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000405 | C839 | C-CER,CHIP | 0.18NF,5%,50V,COG,TP,1608 | SA |
| 5 | 2203-000715 | C840 | C-CER,CHIP | 3.3nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-005005 | C841 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |

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| 5 | 2402-001042 | C842 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C843 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C844 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C848 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C849 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2409-001029 | C850 | C-ORGANIC | 120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9 | SA |
| 5 | 2203-005005 | C851 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C852 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C853 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C854 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000405 | C855 | C-CER,CHIP | 0.18NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000257 | C856 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C857 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C858 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000998 | C859 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000715 | C860 | C-CER,CHIP | 3.3nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-000179 | C861 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-001607 | C862 | C-CER,CHIP | 0.22nF,5%,50V,NP0,-,1608 | SA |
| 5 | 2203-005005 | C863 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C864 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2409-001049 | C865 | C-ORGANIC | 47UF,20%,6.3V,FX,TP,5X5.9MM,- | SA |
| 5 | 2203-000189 | C866 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C867 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C868 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C869 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C870 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000165 | C871 | C-AL,SMD | 47uF,20%,6.3V,GP,TP,5.3x5.3x5. | SA |
| 5 | 2203-000257 | C872 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2409-001029 | C873 | C-ORGANIC | 120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9 | SA |
| 5 | 2203-005005 | C874 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000405 | C875 | C-CER,CHIP | 0.18NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-001044 | C876 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-005005 | C877 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2409-001049 | C878 | C-ORGANIC | 47UF,20%,6.3V,FX,TP,5X5.9MM,- | SA |
| 5 | 2203-000189 | C879 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C880 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C881 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000165 | C882 | C-AL,SMD | 47uF,20%,6.3V,GP,TP,5.3x5.3x5. | SA |
| 5 | 2203-000257 | C883 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2409-001029 | C884 | C-ORGANIC | 120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9 | SA |
| 5 | 2203-005005 | C885 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C886 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000405 | C887 | C-CER,CHIP | 0.18NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-001042 | C888 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C889 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C890 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000715 | C891 | C-CER,CHIP | 3.3nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2402-001042 | C892 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C893 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C894 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C907 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C908 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C909 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C910 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C9100 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000552 | C9102 | C-CER,CHIP | 0.02NF,5%,50V,C0G,TP,1608 | SA |

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| 5 | 2203-000552 | C9103 | C-CER,CHIP | 0.02NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C9105 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C9106 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C9107 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-000189 | C9108 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9109 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C911 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C9110 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C9112 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C9113 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C9114 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C9115 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C9116 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000108 | C9117 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C912 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000236 | C9120 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C9121 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C9122 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C9123 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-001042 | C9124 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-000176 | C9125 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-000189 | C9126 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C9127 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C9128 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C9129 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C913 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C9130 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-005005 | C9131 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C9132 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C9133 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C9134 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C9135 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C9136 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C9137 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C9138 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C9139 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C914 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C9140 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000357 | C9141 | C-CER,CHIP | 0.15NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C9142 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000179 | C9143 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2203-005005 | C9145 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C9146 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C9147 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C9149 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C915 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000552 | C9150 | C-CER,CHIP | 0.02NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000176 | C9151 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C9152 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000552 | C9153 | C-CER,CHIP | 0.02NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000176 | C9154 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-005005 | C9155 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000135 | C9156 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2203-005005 | C9157 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C9159 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C916 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |

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| 5 | 2402-000108 | C9162 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 2409-001029 | C917 | C-ORGANIC | 120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9 | SA |
| 5 | 2203-005005 | C918 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C920 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C922 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C923 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000173 | C9230 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2402-000173 | C9231 | C-AL,SMD | 4.7uF,20%,35V,GP,TP,4.3x4.3x5. | SA |
| 5 | 2203-005005 | C924 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C925 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C926 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C927 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C928 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C929 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C931 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C933 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C934 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C935 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C936 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C937 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C938 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C939 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C940 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C941 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C942 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C943 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C944 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C945 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C946 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C947 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C948 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C949 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C950 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C951 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-001042 | C9511 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9512 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9513 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9514 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C952 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-001071 | C9524 | C-CER,CHIP | 0.056NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000176 | C9525 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C9526 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-001042 | C9527 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C9528 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9529 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C953 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C9530 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9531 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9532 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9533 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9534 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9535 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9536 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000998 | C9537 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C954 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C9540 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |

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| 5 | 2402-000176 | C9541 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C9542 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000176 | C9543 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-000135 | C9545 | C-AL,SMD | 22uF,20%,16V,GP,TP,5.3x5.3x5.4 | SA |
| 5 | 2402-001044 | C9547 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2203-000440 | C9548 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000440 | C9549 | C-CER,CHIP | 1nF,10%,50V,X7R,TP,1608,- | SA |
| 5 | 2203-000552 | C955 | C-CER,CHIP | 0.02NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000189 | C9552 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9553 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9554 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9555 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C9557 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000236 | C9559 | C-CER,CHIP | 0.1NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000552 | C956 | C-CER,CHIP | 0.02NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001402 | C9561 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C9562 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-001402 | C9563 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000189 | C9568 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000189 | C9569 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2402-000176 | C957 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2402-001044 | C9570 | C-AL,SMD | 100UF,20%,25V,GP,TP,8.3X8.3X6.3MM | SA |
| 5 | 2402-001042 | C9573 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9574 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9575 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-000189 | C958 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-005005 | C9581 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000189 | C9582 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
| 5 | 2203-000257 | C9586 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000426 | C9588 | C-CER,CHIP | 0.018NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-000426 | C9589 | C-CER,CHIP | 0.018NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-001042 | C959 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-006017 | C9590 | C-CER,CHIP | 0.56NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2402-000179 | C9591 | C-AL,SMD | 47uF,20%,16V,GP,TP,6.6x6.6x5.4 | SA |
| 5 | 2402-001042 | C9592 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9593 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2402-001042 | C9594 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C9595 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000783 | C9596 | C-CER,CHIP | 0.33NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-001402 | C9597 | C-CER,CHIP | 220nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2203-000998 | C9598 | C-CER,CHIP | 0.047NF,5%,50V,C0G,TP,1608 | SA |
| 5 | 2203-005005 | C961 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C962 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C963 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C964 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C965 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C966 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C967 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C968 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C969 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C970 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C971 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C972 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C973 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C974 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C975 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |

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| 5 | 2203-000257 | C976 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C977 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C978 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C979 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C980 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C981 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C982 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000170 | C983 | C-AL,SMD | 1uF,20%,50V,GP,TP,4.3x4.3x5.4, | SA |
| 5 | 2402-000176 | C984 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 2203-001630 | C985 | C-CER,CHIP | 330nF,+80-20%,16V,Y5V,TP,1608 | SA |
| 5 | 2402-001042 | C986 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 2203-005005 | C987 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C988 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C989 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C990 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C991 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C992 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C993 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C994 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C995 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-005005 | C996 | C-CER,CHIP | 100nF,10%,16V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C997 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2203-000257 | C998 | C-CER,CHIP | 10nF,10%,50V,X7R,TP,1608 | SA |
| 5 | 2402-000176 | C999 | C-AL,SMD | 10uF,20%,16V,GP,TP,4.3x4.3x5.4 | SA |
| 5 | 3711-005470 | CN510 | CONNECTOR-HEADER | BOX,30P,1R,1.25mm,SMD-A,SnPb,IVR | SA |
| 5 | 3711-005291 | CN610 | CONNECTOR-HEADER | BOX,2P,1R,2MM,SMD-A,SN,WHT | SA |
| 5 | 3711-005292 | CN611 | CONNECTOR-HEADER | BOX,3P,1R,2MM,SMD-A,SN,WHT | SA |
| 5 | 3701-001298 | CN716 | CONNECTOR-HDMI | 19P,2R,FEMALE,SMD-S,AU20U | SA |
| 5 | 3711-005497 | CN812 | CONNECTOR-HEADER | BOX,15P,1R,1.25mm,SMD-A,SnPb,IVR | SA |
| 5 | 0407-000123 | D1910 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0407-000123 | D1911 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0401-001056 | D210 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0407-000123 | D2201 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0407-000123 | D2202 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0407-000123 | D2205 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0401-001056 | D310 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-001016 | D3700 | DIODE-ZENER | RLZ6.2B,5.96-6.27V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D3701 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D3702 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D3703 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-001016 | D3704 | DIODE-ZENER | RLZ6.2B,5.96-6.27V,500MW,LL-34,TP | SA |
| 5 | 0403-001016 | D3705 | DIODE-ZENER | RLZ6.2B,5.96-6.27V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D3706 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D3707 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D3708 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D5901 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D5902 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-000620 | D5903 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
| 5 | 0403-001052 | D610 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D611 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001282 | D612 | DIODE-ZENER | BZT52-C15,13.8-15.6,410MW,SOD-123,TP | SA |
| 5 | 0401-001056 | D616 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-001052 | D617 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D618 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D619 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D620 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |

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| 5 | 0403-001052 | D621 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D622 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D623 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D706 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D707 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D708 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D709 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0407-000123 | D710 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0401-001056 | D711 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D712 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D713 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-001052 | D714 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D719 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D720 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D721 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D722 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001016 | D723 | DIODE-ZENER | RLZ6.2B,5.96-6.27V,500MW,LL-34,TP | SA |
| 5 | 0403-001016 | D724 | DIODE-ZENER | RLZ6.2B,5.96-6.27V,500MW,LL-34,TP | SA |
| 5 | 0403-001016 | D725 | DIODE-ZENER | RLZ6.2B,5.96-6.27V,500MW,LL-34,TP | SA |
| 5 | 0403-001052 | D726 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D727 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D728 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D730 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D732 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D733 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D734 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D735 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D736 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D737 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D738 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D739 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D740 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D741 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D742 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D743 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D744 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D745 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D746 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0407-000123 | D747 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0401-001056 | D748 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D749 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D750 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D751 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D752 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D753 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-001052 | D754 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0401-001056 | D755 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-001052 | D756 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0401-001056 | D757 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0407-000123 | D758 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
| 5 | 0403-001052 | D762 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D763 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D764 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D773 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D774 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D780 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-----------------|--|---------|
| 5 | 0403-001052 | D781 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D782 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D783 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D784 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D785 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0402-000553 | D811 | DIODE-RECTIFIER | SS24,40V,2.0A,DO-214AA | SA |
| 5 | 0402-000553 | D812 | DIODE-RECTIFIER | SS24,40V,2.0A,DO-214AA | SA |
| 5 | 0402-000553 | D813 | DIODE-RECTIFIER | SS24,40V,2.0A,DO-214AA | SA |
| 5 | 0404-001166 | D814 | DIODE-SCHOTTKY | MBRM130LT3,30V,1000MA,DO-216AA,TP | SA |
| 5 | 0402-000553 | D815 | DIODE-RECTIFIER | SS24,40V,2.0A,DO-214AA | SA |
| 5 | 0403-001340 | D816 | DIODE-ZENER | UDZ15B,14.34-14.98V,200MW,SOD-323,TP | SA |
| 5 | 0403-001340 | D817 | DIODE-ZENER | UDZ15B,14.34-14.98V,200MW,SOD-323,TP | SA |
| 5 | 0402-000553 | D818 | DIODE-RECTIFIER | SS24,40V,2.0A,DO-214AA | SA |
| 5 | 0403-000614 | D819 | DIODE-ZENER | RLZ8.2B,8.2,500mW,LL-34,TP | SA |
| 5 | 0403-000579 | D909 | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
| 5 | 0401-001056 | D910 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D911 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-000579 | D912 | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
| 5 | 0403-000579 | D913 | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
| 5 | 0403-000579 | D914 | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
| 5 | 0401-001056 | D915 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0401-001056 | D916 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
| 5 | 0403-001052 | D918 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D919 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D920 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D921 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-000579 | D922 | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D933 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D934 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D935 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | D936 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0404-001166 | D947 | DIODE-SCHOTTKY | MBRM130LT3,30V,1000MA,DO-216AA,TP | SA |
| 5 | 2909-001052 | FT210 | FILTER-LC | 3.58MHz,3MHz,1.5dB,TP,11dB/1.0 | SA |
| 5 | 2901-001264 | FT211 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT212 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2909-001051 | FT213 | FILTER-LC | 6MHz,6MHz,0.8dB,TP,5dB/6MHz,30dB/14.3MHz | SA |
| 5 | 2909-001051 | FT214 | FILTER-LC | 6MHz,6MHz,0.8dB,TP,5dB/6MHz,30dB/14.3MHz | SA |
| 5 | 2909-001051 | FT215 | FILTER-LC | 6MHz,6MHz,0.8dB,TP,5dB/6MHz,30dB/14.3MHz | SA |
| 5 | 2901-001264 | FT310 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT311 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT410 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT411 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT412 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT413 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT510 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT511 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT512 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT513 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT514 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT515 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 3301-001605 | FT516 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
| 5 | 3301-001605 | FT517 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
| 5 | 3301-001605 | FT518 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
| 5 | 3301-001605 | FT519 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
| 5 | 3301-001605 | FT520 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
| 5 | 2901-001264 | FT522 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|--------------------|--|---------|
| 5 | 2901-001264 | FT610 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 3301-001605 | FT711 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT712 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT713 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT714 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT715 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT716 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT717 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001605 | FT718 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,0.5ohm | SNA |
| 5 | 3301-001145 | FT810 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2901-001264 | FT812 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT813 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT814 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT908 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT909 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT910 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT911 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT912 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT913 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 2901-001264 | FT914 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
| 5 | 3301-001145 | FT915 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 3301-001145 | FT916 | BEAD-SMD | 60ohm,4516,6000mA,TP,70ohm/45MHz,82ohm/760MHz,0.01ohm | SNA |
| 5 | 2901-001114 | FT917 | FILTER-EMI SMD | 25VDC,2.0ADC,-,100nF,3.2x1.6x1 | SA |
| 5 | 1204-001926 | IC210 | IC-VIDEO PROCESS | VPC3230D-C5,PQFP,80P,-,PLASTIC,6V,-,0 TO 65C,TP,VPC3230D-C5 | SA |
| 5 | 1204-001926 | IC211 | IC-VIDEO PROCESS | VPC3230D-C5,PQFP,80P,-,PLASTIC,6V,-,0 TO 65C,TP,VPC3230D-C5 | SA |
| 5 | 1001-001177 | IC212 | IC-VIDEO SWITCH | TEA6425D,VIDEO SWITCH ,SOIC,20P,300MIL,-,8.8V,0TO+70C,PLASTIC,-,,-,2UA,ST,- | SA |
| 5 | 1001-001082 | IC213 | IC-VIDEO SWITCH | BA7657F,-,SOP,24P,300MIL,SINGL | SA |
| 5 | 1001-001082 | IC214 | IC-VIDEO SWITCH | BA7657F,-,SOP,24P,300MIL,SINGL | SA |
| 5 | 1204-001935 | IC215 | IC-SEPARATOR | UPD64083GF,QFP,100P,14X20MM,PLASTIC,3.6V,-,0TO+70C,TP,UPD64083GF | SA |
| 5 | 1203-001559 | IC220 | IC-RESET | DS1834A,SOIC,8P,150MIL,PLASTIC,-,,-,40TO+85C,-,TP | SA |
| 5 | 1205-002198 | IC310 | IC-RECEIVER | SI1169CT100,LQFP,100P,14X14MM,PLASTIC,3.6V,-,0TO+70C,TR,PANELLINK RECEIVER | SA |
| 5 | 1205-002383 | IC311 | IC-RECEIVER | SI1993CT100,TQFP,100P,14x14mm,PLASTIC,3.6V,-,0to+70C,TR,IC-RECEIVER | SA |
| 5 | 1002-001398 | IC312 | IC-A/D CONVERTER | MST9883CR-110,24Bit(8x3),LQFP,80P,14x14mm,+0.5V/LSB,TR,-,PLASTIC,3.3V,-20to+80C, | SC |
| 5 | 1203-002067 | IC313 | IC-POS.FIXED REG. | 3330,SOT-23,6P,65MIL,PLASTIC,3.284/3.316V,-,40to+125C,200mA,-,TP | SA |
| 5 | 1203-001212 | IC314 | IC-VOL. DETECTOR | 7029,SOT-89,3P,-,PLASTIC,-,500 | SA |
| 5 | 1204-002127 | IC401 | IC-VIDEO PROCESS | MDIN-150,QFP,256P,28X28MM,PLASTIC,3.3V,-,0TO+70C,TR,- | SA |
| 5 | 1105-001336 | IC402 | IC-DRAM | K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T | SA |
| 5 | 1204-002244 | IC501 | IC-VIDEO PROCESS | DNIEPRD,BGA,272P,27x27mm,PLASTIC,3.3V,-,0to+70C,TR,IC-VIDEO PROCESS | SNA |
| 5 | 1105-001336 | IC510 | IC-DRAM | K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T | SA |
| 5 | 1105-001336 | IC511 | IC-DRAM | K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,0TO+70C,2MA,CMOS,T | SA |
| 5 | 1206-000111 | IC513 | IC-TIMER | KA555D/T.R,SOP,8P,150MIL,-,18V | SA |
| 5 | 1206-000111 | IC514 | IC-TIMER | KA555D/T.R,SOP,8P,150MIL,-,18V | SA |
| 5 | 1205-001740 | IC515 | IC-TRANSMITTER | DS90C385,TSSOP,56P,240MIL,PLASTIC,4V,1.63V,-,10 TO +70C,ST,FPD LINK-85MHZ(LVDS) | SA |
| 5 | 1204-002179 | IC610 | IC-SOUND PROCESSOR | MSP4440G_OA_C12_500,PQFP,80P,20x14mm,PLASTIC,8.7V,1W,0to+70C,TR,IC-SOUND PROCESS | SA |
| 5 | 1201-002119 | IC611 | IC-AUDIO AMP | TPA3004D2,HTQFP,48P,7x7mm,-,PLASTIC,18V,4.3W,-40to+85C,-,120mA,-,TR | SA |
| 5 | 1001-001178 | IC612 | IC-AUDIO SWITCH | TEA6422D,AUDIO SWITCH ,SOIC,28P,300MIL,-,10.2V,0TO+70C,PLASTIC,-,,-,10UA,ST,- | SA |
| 5 | 1201-001907 | IC613 | IC-OP AMP | 4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10 | SA |
| 5 | 1201-001907 | IC614 | IC-OP AMP | 4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10 | SA |
| 5 | 1201-001495 | IC615 | IC-AUDIO AMP | 7050,SOP,8P,150MIL,DUAL,26DB,PLASTIC,6V,0.25W,-,40DB,-,20NA,- | SA |
| 5 | 1201-001907 | IC616 | IC-OP AMP | 4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10 | SA |
| 5 | 1201-001907 | IC617 | IC-OP AMP | 4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10 | SA |
| 5 | 1201-001907 | IC618 | IC-OP AMP | 4580,EMP,TP,8P,5X3.9MM,DUAL,110DB,PLASTIC,15V,300MW,-20TO+75C,110DB,5V/US,5NA,10 | SA |
| 5 | 1103-000129 | IC710 | IC-EEPROM | 24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C | SA |
| 5 | 1103-000129 | IC711 | IC-EEPROM | 24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C | SA |
| 5 | 1103-000129 | IC712 | IC-EEPROM | 24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C | SA |
| 5 | 0801-002267 | IC713 | IC-CMOS LOGIC | 74LCX14,-,SOIC,14P,150MIL,-,TP,-,,-,3.6V,-40TO+85C,-,5.5V,-,24MA | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|---------------------|--|---------|
| 5 | 1203-001816 | IC809 | IC-POS.FIXED REG. | 78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-40TO+85C,0.5A,-,TP | SA |
| 5 | 1203-001815 | IC810 | IC-POS.FIXED REG. | 78M09,TO-252,3P,-,PLASTIC,8.6/9.4V,1.0W,-40TO+85C,0.5A,-,TP | SA |
| 5 | 1203-001009 | IC811 | IC-SWITCH REG. | 3172,SOP,8P,244MIL,PLASTIC,1.8 | SA |
| 5 | 1203-003059 | IC812 | IC-SWITCH VOL. REG. | MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP | SA |
| 5 | 1203-003015 | IC813 | IC-DC/DC CONVERTER | MP1410ES,SOIC,8P,4.9x3.9mm,PLASTIC,2.5/5V,-,-20to+85C,2A,-,TP | SA |
| 5 | 1203-000404 | IC814 | IC-DC/DC CONVERTER | 34063,SOP,8P,150MIL,PLASTIC,1.0/1.3V,-,OTO+70C,4.0MA,-,ST | SA |
| 5 | 1203-002387 | IC815 | IC-POS.ADJUST REG. | 39102,SOP,8P,153MIL,PLASTIC,-,2.5W,-40TO+125C,2.5A,1.203/1.277V,TP | SA |
| 5 | 1203-003059 | IC816 | IC-SWITCH VOL. REG. | MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP | SA |
| 5 | 1203-002387 | IC817 | IC-POS.ADJUST REG. | 39102,SOP,8P,153MIL,PLASTIC,-,2.5W,-40TO+125C,2.5A,1.203/1.277V,TP | SA |
| 5 | 1203-003059 | IC818 | IC-SWITCH VOL. REG. | MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP | SA |
| 5 | 1203-001212 | IC909 | IC-VOL. DETECTOR | 7029,SOT-89,3P,-,PLASTIC,-,500 | SA |
| 5 | 1105-001336 | IC911 | IC-DRAM | K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,OTO+70C,2MA,CMOS,T | SA |
| 5 | 1203-001824 | IC912 | IC-VOL. DETECTOR | 7042,SOT-89,3P,-,PLASTIC,4.05V/4.35V,500NMW,-30TO+75C,20MA,-,TP | SA |
| 5 | 1105-001336 | IC913 | IC-DRAM | K4S643232,512KX32X4BIT,TSOP,86P,400MIL,60NS,3.3V,10%,PLASTIC,OTO+70C,2MA,CMOS,T | SA |
| 5 | 1006-001076 | IC915 | IC-DRIVER/RECEIVER | 232,SOP,16P,300MIL,DUAL,ST,PLA | SA |
| 5 | 1201-000166 | IC916 | IC-OP AMP | LM358,SOP,ST,8P,150MIL,DUAL,100V/MV,PLASTIC,32V,500MW,OTO+70C,70DB,0.6V/US,5NA,- | SA |
| 5 | 0801-002396 | IC918 | IC-CMOS LOGIC | 74LCX74,D FLIP FLOP,SOP,14,150MIL,DUAL,TP,2.0/3.6V | SA |
| 5 | 1203-001212 | IC919 | IC-VOL. DETECTOR | 7029,SOT-89,3P,-,PLASTIC,-,500 | SA |
| 5 | 1003-001559 | IC920 | IC-LCD CONTROLLER | PW565,PBGA,365P,24X24MM,-,22.7/57,TR,PLASTIC,3.3V,OTO+70C,-,2.4/0.4,MASS PRODUCT | SA |
| 5 | 3704-000249 | IC921 | SOCKET-IC | 32P,PLCC,SN,1.27mm | SA |
| 5 | 1204-001912 | IC922 | IC-DECODER | SDA5550M,P-MQFP,100P,-,PLASTIC,3.3V,1.5W,OTO+70C,TR,- | SA |
| 5 | 1103-000129 | IC923 | IC-EEPROM | 24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,OTO+70C | SA |
| 5 | 1103-001147 | IC924 | IC-EEPROM | 24256,32Kx8,SOP,8P,5x4mm,2.7/5.5V,-40to+85C | SA |
| 5 | 1106-001476 | IC925 | IC-SRAM | K6X1008C2D,128Kx8Bit,TSOP,32P,18.4x8.4mm,55nS,5V,4.5-5.5V,-,-40to+85C,15uA,-,TP | SA |
| 5 | 0803-000777 | IC926 | IC-TTL | 74F163,COUNTER,SOP,16P,150MIL, | SA |
| 5 | 0803-000777 | IC927 | IC-TTL | 74F163,COUNTER,SOP,16P,150MIL, | SA |
| 5 | 0803-000777 | IC928 | IC-TTL | 74F163,COUNTER,SOP,16P,150MIL, | SA |
| 5 | 0803-000777 | IC929 | IC-TTL | 74F163,COUNTER,SOP,16P,150MIL, | SA |
| 5 | 0801-002709 | IC930 | IC-CMOS LOGIC | 74HC373,D FLIP-FLOP,TSSOP,20P,173MIL,OCTAL,TP,PLASTIC,3-STATE,-,OV,-40TO+85C,600 | SA |
| 5 | 0801-002709 | IC931 | IC-CMOS LOGIC | 74HC373,D FLIP-FLOP,TSSOP,20P,173MIL,OCTAL,TP,PLASTIC,3-STATE,-,OV,-40TO+85C,600 | SA |
| 5 | 0803-000122 | IC932 | IC-TTL | 74F125,BUFFER,SOP,14P,150MIL,Q | SA |
| 5 | 0803-000117 | IC933 | IC-TTL | 74F14,INVERTER,SOP,14P,150MIL, | SA |
| 5 | 1203-001519 | IC934 | IC-POS.ADJUST REG. | LM317,SOT223,3P,274 X 256MIL,P | SA |
| 5 | 1203-002855 | IC940 | IC-POS.FIXED REG. | MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V | SA |
| 5 | 1203-002855 | IC941 | IC-POS.FIXED REG. | MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V | SA |
| 5 | 1203-000404 | IC942 | IC-DC/DC CONVERTER | 34063,SOP,8P,150MIL,PLASTIC,1.0/1.3V,-,OTO+70C,4.0MA,-,ST | SA |
| 5 | 1001-001109 | IC943 | IC-ANALOG SWITCH | FST3125M,BUS SWITCH & CMOS,SOIC,17P,150MIL,QUAD,7V,-40TO+85C,PLASTIC,-,4.00HM,5. | SA |
| 5 | 2703-001778 | L210 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 2703-000389 | L211 | INDUCTOR-SMD | 5.6uH,5%,3225 | SA |
| 5 | 2703-001778 | L610 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 2703-001778 | L611 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 2703-001778 | L612 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | BN27-00009A | L613 | COIL CHOKE | SMD12X12X6,EOS,33UH,15%,-,0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0. | SA |
| 5 | BN27-00009A | L614 | COIL CHOKE | SMD12X12X6,EOS,33UH,15%,-,0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0. | SA |
| 5 | BN27-00009A | L615 | COIL CHOKE | SMD12X12X6,EOS,33UH,15%,-,0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0. | SA |
| 5 | BN27-00009A | L616 | COIL CHOKE | SMD12X12X6,EOS,33UH,15%,-,0.126V MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0. | SA |
| 5 | 3301-001595 | L617 | BEAD-SMD | 1000ohm,7.0x6.0x4.5mm,4000mA,TP,,0.012ohm | SA |
| 5 | 3301-001595 | L618 | BEAD-SMD | 1000ohm,7.0x6.0x4.5mm,4000mA,TP,,0.012ohm | SA |
| 5 | 2703-000398 | L708 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | L709 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-001778 | L710 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 2703-000398 | L712 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-001778 | L716 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
| 5 | 2703-000398 | L717 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | L718 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
| 5 | 2703-000398 | L719 | INDUCTOR-SMD | 10uH,10%,3225 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-----------------|---|---------|
| 5 | 2703-000398 | L720 | INDUCTOR-SMD | 10uH, 10%, 3225 | SA |
| 5 | 2703-001778 | L751 | INDUCTOR-SMD | 3.3uH, 20%, 3225 | SA |
| 5 | 2703-001778 | L752 | INDUCTOR-SMD | 3.3uH, 20%, 3225 | SA |
| 5 | BN27-00008A | L811 | COIL CHOKE-SMD | SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS | SA |
| 5 | BN27-00008A | L812 | COIL CHOKE-SMD | SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS | SA |
| 5 | BN27-00010A | L813 | COIL CHOKE | -,NK17NS,100UH,10%,-0.78V MAX,6A,DR5.8X4.5MM,59.5TS,6.0X5.2X4.5MM,1.8MM,IUEW 0. | SA |
| 5 | BN27-00008A | L814 | COIL CHOKE-SMD | SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS | SA |
| 5 | BN27-00008A | L815 | COIL CHOKE-SMD | SMD12*12*8.5,GH15/17PS,22.0UH,±20%,-0.0450HM MAX,3.0A,DR10X7/SMD12X6.7,16.5TS | SA |
| 5 | 2703-000398 | L816 | INDUCTOR-SMD | 10uH, 10%, 3225 | SA |
| 5 | 2703-000398 | L817 | INDUCTOR-SMD | 10uH, 10%, 3225 | SA |
| 5 | 2703-000398 | L818 | INDUCTOR-SMD | 10uH, 10%, 3225 | SA |
| 5 | 2703-000398 | L819 | INDUCTOR-SMD | 10uH, 10%, 3225 | SA |
| 5 | 2703-000398 | L820 | INDUCTOR-SMD | 10uH, 10%, 3225 | SA |
| 5 | BN27-00010A | L821 | COIL CHOKE | -,NK17NS,100UH,10%,-0.78V MAX,6A,DR5.8X4.5MM,59.5TS,6.0X5.2X4.5MM,1.8MM,IUEW 0. | SA |
| 5 | BN41-00462A | MP1.0 | PCB MAIN | NAPLES,FR4,6,A,1.6T,240*265*1.6,NF32UO,NTSC | SNA |
| 5 | 0501-002080 | Q210 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q211 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q212 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q213 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q214 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q215 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q216 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q217 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q218 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q219 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-000280 | Q220 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q221 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q222 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q223 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q224 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-000280 | Q225 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q226 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000280 | Q227 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-000280 | Q228 | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
| 5 | 0501-002080 | Q510 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-002080 | Q511 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000342 | Q610 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
| 5 | 0501-000344 | Q611 | TR-SMALL SIGNAL | KSC1623-G,NPN,200mW,SOT-23,TP, | SA |
| 5 | 0501-000344 | Q612 | TR-SMALL SIGNAL | KSC1623-G,NPN,200mW,SOT-23,TP, | SA |
| 5 | 0501-000344 | Q613 | TR-SMALL SIGNAL | KSC1623-G,NPN,200mW,SOT-23,TP, | SA |
| 5 | 0501-002080 | Q7101 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000344 | Q7102 | TR-SMALL SIGNAL | KSC1623-G,NPN,200mW,SOT-23,TP, | SA |
| 5 | 0501-002080 | Q810 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-002080 | Q811 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-002080 | Q812 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-002080 | Q814 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 0501-000342 | Q909 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
| 5 | 0501-000342 | Q910 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
| 5 | 0501-002080 | Q916 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
| 5 | 2007-000309 | R111 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R112 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R114 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R115 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R116 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R117 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001101 | R118 | R-CHIP | 62ohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-001101 | R119 | R-CHIP | 62ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R120 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R121 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R122 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R2100 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R2101 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R2102 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R2103 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R2104 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R2105 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R2106 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001093 | R2107 | R-CHIP | 620ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R2108 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R2109 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000119 | R2110 | R-CHIP | 560ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R2111 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R2112 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R2113 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000086 | R2114 | R-CHIP | 5.6Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000119 | R2115 | R-CHIP | 560ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R2116 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R2117 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R2118 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R2119 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R212 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001093 | R2120 | R-CHIP | 620ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000119 | R2121 | R-CHIP | 560ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R2122 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R2123 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R2124 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000086 | R2125 | R-CHIP | 5.6Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R213 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R220 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R222 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R223 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R224 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R225 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R2251 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R2252 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R2253 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R2254 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R2255 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000052 | R2256 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000052 | R2257 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000052 | R2258 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R226 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R2260 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R2265 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R227 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R230 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R231 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R232 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R233 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R234 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R235 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R236 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-000074 | R237 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R238 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R239 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R240 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R241 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R242 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R243 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R244 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R245 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R246 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000124 | R247 | R-CHIP | 2.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000096 | R248 | R-CHIP | 30Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000124 | R249 | R-CHIP | 2.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R250 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R251 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R252 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000097 | R253 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R254 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R256 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000107 | R257 | R-CHIP | 470Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000107 | R258 | R-CHIP | 470Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R259 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000123 | R260 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R261 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000075 | R262 | R-CHIP | 220ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R263 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R264 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R265 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001214 | R266 | R-CHIP | 82ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R267 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R268 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R269 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000124 | R271 | R-CHIP | 2.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000106 | R272 | R-CHIP | 220Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R273 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R274 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R275 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000799 | R276 | R-CHIP | 360ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000075 | R277 | R-CHIP | 220ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000124 | R278 | R-CHIP | 2.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R279 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R280 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000100 | R281 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000080 | R282 | R-CHIP | 2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000100 | R284 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000080 | R285 | R-CHIP | 2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000109 | R286 | R-CHIP | 1Mohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000119 | R287 | R-CHIP | 560ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000075 | R288 | R-CHIP | 220ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R289 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R290 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000608 | R291 | R-CHIP | 240ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R292 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000113 | R293 | R-CHIP | 33ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000086 | R294 | R-CHIP | 5.6Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R295 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-001214 | R296 | R-CHIP | 82ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R297 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R298 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000119 | R299 | R-CHIP | 560ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R316 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R317 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R318 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R319 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R321 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R322 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R323 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000118 | R324 | R-CHIP | 390ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000080 | R326 | R-CHIP | 2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000821 | R327 | R-CHIP | 390ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000779 | R328 | R-CHIP | 33ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000779 | R330 | R-CHIP | 33ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R331 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R332 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R333 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R334 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000125 | R335 | R-CHIP | 3.9Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R336 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R337 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R338 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R339 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R340 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R342 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R343 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R344 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R345 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R347 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000133 | R348 | R-CHIP | 330Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R349 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R350 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R351 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R352 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R353 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R354 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R355 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R356 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R357 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R358 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R359 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R360 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R361 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R362 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R363 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R364 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R365 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000120 | R366 | R-CHIP | 680ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R367 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R368 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R370 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R3701 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R3702 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R413 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-000074 | R414 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R415 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000113 | R416 | R-CHIP | 33ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000076 | R417 | R-CHIP | 330ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000305 | R418 | R-CHIP | 10Mohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R419 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R420 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R421 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R422 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R424 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000076 | R425 | R-CHIP | 330ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000076 | R426 | R-CHIP | 330ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000076 | R427 | R-CHIP | 330ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R428 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R429 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R430 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R431 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R432 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R433 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R435 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R436 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R437 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R438 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000113 | R510 | R-CHIP | 33ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R511 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R512 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R513 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R514 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R515 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R516 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R519 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R520 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000098 | R521 | R-CHIP | 56Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000052 | R522 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000939 | R523 | R-CHIP | 47Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R524 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R527 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R530 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R531 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R532 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R533 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R535 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R536 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R537 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R538 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R539 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R540 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R541 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R610 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R611 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R614 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R615 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R616 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R617 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R618 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R619 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|---------------------------|---------|
| 5 | 2007-000074 | R620 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R621 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R622 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R623 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000329 | R624 | R-CHIP | 11Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000329 | R625 | R-CHIP | 11Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R626 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R627 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R628 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R629 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R630 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R631 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000093 | R632 | R-CHIP | 20Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000093 | R633 | R-CHIP | 20Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-007651 | R634 | R-CHIP | 9.1Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000132 | R635 | R-CHIP | 180Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000132 | R636 | R-CHIP | 180Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-007651 | R637 | R-CHIP | 9.1Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000857 | R638 | R-CHIP | 4.3Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000857 | R639 | R-CHIP | 4.3Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000081 | R640 | R-CHIP | 2.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R641 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000081 | R642 | R-CHIP | 2.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R643 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000828 | R644 | R-CHIP | 39Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000828 | R645 | R-CHIP | 39Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-007617 | R646 | R-CHIP | 2.49Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-007617 | R647 | R-CHIP | 2.49Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-002906 | R649 | R-CHIP | 200Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-002906 | R650 | R-CHIP | 200Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000458 | R651 | R-CHIP | 18Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000882 | R652 | R-CHIP | 4.7ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000882 | R653 | R-CHIP | 4.7ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R654 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000083 | R655 | R-CHIP | 3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000083 | R656 | R-CHIP | 3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R657 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001010 | R658 | R-CHIP | 51Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001010 | R659 | R-CHIP | 51Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R662 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R663 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R666 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000125 | R667 | R-CHIP | 3.9Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000125 | R668 | R-CHIP | 3.9Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R669 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R670 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R671 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R673 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R675 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R676 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000091 | R679 | R-CHIP | 12Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R680 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000103 | R681 | R-CHIP | 120Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R683 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000129 | R684 | R-CHIP | 27Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R685 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-000070 | R686 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R687 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R688 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R689 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R690 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R692 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R693 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000103 | R694 | R-CHIP | 120Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R696 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R697 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R708 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R709 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R710 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000512 | R7104 | R-CHIP | 2.4Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R7106 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R711 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R712 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R713 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R714 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R717 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R718 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R719 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R721 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R722 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R724 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R725 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R727 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R728 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R729 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R730 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7301 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7302 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7303 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7304 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7305 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7306 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7307 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7308 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7309 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R731 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7310 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7311 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7312 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7313 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7314 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7315 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R7316 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R732 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R733 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R734 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R735 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R736 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R737 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R738 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R739 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R740 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-000074 | R741 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R742 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R743 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R744 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R745 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R746 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R747 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R748 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R750 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R751 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R752 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R753 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R754 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R755 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R756 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R757 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R758 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R762 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R763 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R765 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R766 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R767 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R768 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R769 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R770 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R771 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R772 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R773 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000077 | R774 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R775 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R776 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R777 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R778 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000076 | R781 | R-CHIP | 330ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000076 | R782 | R-CHIP | 330ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R814 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000129 | R815 | R-CHIP | 27Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000708 | R816 | R-CHIP | 3.9Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000122 | R817 | R-CHIP | 1.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-002768 | R818 | R-CHIP | 6.2Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R819 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000701 | R820 | R-CHIP | 3.6Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R821 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R822 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R823 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R824 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R825 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000239 | R826 | R-CHIP | 1.5Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R827 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R828 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R829 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R830 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000239 | R831 | R-CHIP | 1.5Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R832 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R833 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-008433 | R834 | R-CHIP | 0.330HM,1%,1W,DA,TP,6432 | SA |

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|-------|-------------|----------|-------------|----------------------------------|---------|
| 5 | 2007-000078 | R835 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R836 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000701 | R837 | R-CHIP | 3.6Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000219 | R838 | R-CHIP | 1.2Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000052 | R839 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-002768 | R840 | R-CHIP | 6.2Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R841 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R842 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000701 | R843 | R-CHIP | 3.6Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R844 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000052 | R845 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R846 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000857 | R847 | R-CHIP | 4.3Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-007651 | R848 | R-CHIP | 9.1Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R849 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R850 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000134 | R851 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R852 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R853 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R855 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R856 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R857 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R904 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000120 | R905 | R-CHIP | 680ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000075 | R906 | R-CHIP | 220ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R907 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R909 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R910 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000651 | R9100 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000585 | R9101 | R-NET | 47OHM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000651 | R9102 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | R9103 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | R9104 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000585 | R9105 | R-NET | 47OHM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000651 | R9106 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000585 | R9107 | R-NET | 47OHM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000651 | R9108 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000084 | R911 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000651 | R9111 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000072 | R9112 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9113 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9114 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9116 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9117 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9118 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000097 | R9119 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9120 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000125 | R9121 | R-CHIP | 3.9Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9122 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R9124 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9125 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000651 | R9126 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000074 | R9128 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000134 | R9129 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R913 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R9130 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |

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|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-000070 | R9131 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000075 | R9132 | R-CHIP | 220ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000239 | R9134 | R-CHIP | 1.5Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R914 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000239 | R9140 | R-CHIP | 1.5Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R9141 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9143 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9149 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R915 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9153 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9156 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9158 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9159 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R916 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9160 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9161 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9162 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9164 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000092 | R9165 | R-CHIP | 15Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9167 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9168 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R917 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9171 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000092 | R9172 | R-CHIP | 15Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9174 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9175 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000512 | R9176 | R-CHIP | 2.4Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9179 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R918 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9180 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9181 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9182 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9183 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9184 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9186 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9187 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9188 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9189 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R919 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9191 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R9194 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R920 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9207 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R921 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9210 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9211 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R922 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9220 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9221 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9222 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9223 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9224 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9225 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9226 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000097 | R9227 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9229 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |

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|-------|-------------|----------|-------------|----------------------------|---------|
| 5 | 2007-000074 | R923 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9230 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9231 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9232 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9233 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9234 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9235 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9236 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9237 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9239 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R924 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9241 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9246 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9248 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9249 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R925 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9250 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9251 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9252 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9253 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000402 | R9256 | R-CHIP | 150ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R926 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000287 | R9262 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000287 | R9265 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000287 | R9266 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000287 | R9267 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000287 | R9268 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000287 | R9269 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000074 | R927 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000287 | R9270 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000287 | R9271 | R-CHIP | 100OHM,1%,1/10W,DA,TP,1608 | SA |
| 5 | 2007-000102 | R9272 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9273 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R928 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R9282 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R9283 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000071 | R9284 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000821 | R9285 | R-CHIP | 390ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000608 | R9286 | R-CHIP | 240ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9288 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R929 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9290 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001167 | R9292 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000091 | R9298 | R-CHIP | 12Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R930 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000094 | R9300 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R9301 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000124 | R9302 | R-CHIP | 2.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9303 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9304 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9305 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R9307 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000608 | R9308 | R-CHIP | 240ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9309 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R931 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9310 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |

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|-------|-------------|----------|-------------|--------------------------|---------|
| 5 | 2007-000084 | R9311 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9312 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R9313 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R9314 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R9315 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R9316 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R9317 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R9318 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-001164 | R9319 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R932 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9320 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9321 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9322 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9323 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000102 | R9324 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9325 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000097 | R9326 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R9328 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9329 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R933 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9330 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R9331 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R934 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9346 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9347 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9348 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R9349 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R935 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000962 | R9350 | R-CHIP | 5.1Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9357 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000219 | R9358 | R-CHIP | 1.2Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-008433 | R9359 | R-CHIP | 0.330HM,1%,1W,DA,TP,6432 | SA |
| 5 | 2007-000309 | R936 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001179 | R9360 | R-CHIP | 8.2Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9365 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000090 | R9366 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R9367 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000091 | R9368 | R-CHIP | 12Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R9369 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R937 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9370 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9371 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R9372 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9373 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R9374 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000701 | R9375 | R-CHIP | 3.6Kohm,1%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R9376 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R938 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R939 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-001134 | R940 | R-CHIP | 68ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R941 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R942 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R943 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R944 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R945 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R946 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |

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|-------|-------------|----------|-------------|-----------------------------------|---------|
| 5 | 2007-000074 | R947 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R948 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-001093 | R949 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000074 | R950 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R951 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R952 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R954 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R955 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R956 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R957 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R958 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R959 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000074 | R960 | R-CHIP | 100ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R961 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R962 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000088 | R963 | R-CHIP | 7.5Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000309 | R964 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000088 | R965 | R-CHIP | 7.5Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R966 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-001093 | R967 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000077 | R968 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000002 | R969 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | R970 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000070 | R971 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000070 | R972 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R973 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R974 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000651 | R975 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | R976 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-001015 | R977 | R-NET | 1Kohm,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000651 | R978 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000082 | R980 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R981 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000082 | R982 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R983 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R984 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R985 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R986 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R987 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000072 | R988 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000084 | R989 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2007-000078 | R990 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000651 | R991 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000072 | R992 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-000651 | R993 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000585 | R994 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000651 | R995 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000585 | R996 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000651 | R997 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | R998 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2007-000070 | R999 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
| 5 | 2011-001087 | RA210 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-001087 | RA211 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-001087 | RA212 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-001087 | RA213 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-001087 | RA214 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |

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|-------|-------------|----------|-----------------|---------------------------------------|---------|
| 5 | 2011-001087 | RA215 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-001087 | RA216 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-001087 | RA217 | R-NET | 750HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000002 | RA218 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA219 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA310 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA311 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA312 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA313 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA314 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA315 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA316 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA317 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA318 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA319 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA320 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA321 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000651 | RA322 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000585 | RA323 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA324 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA325 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA326 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA327 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA328 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA329 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000585 | RA330 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
| 5 | 2011-000002 | RA410 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA411 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA412 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA417 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA418 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA421 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA512 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA514 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA516 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA518 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA520 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA521 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2011-000002 | RA522 | R-NET | 220HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
| 5 | 2402-000108 | U1 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
| 5 | 0501-000342 | U5 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
| 5 | 2402-001042 | U6 | C-AL,SMD | 100uF,20%,16V,GP,TP,6.6x6.6x5.4mm | SA |
| 5 | 0403-001052 | U7 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | U8 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 0403-001052 | U9 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
| 5 | 2801-004004 | X210 | CRYSTAL-SMD | 20.25MHz,20ppm,28-AAN,13pF,25ohm,TP | SA |
| 5 | 2801-004004 | X211 | CRYSTAL-SMD | 20.25MHz,20ppm,28-AAN,13pF,25ohm,TP | SA |
| 5 | 2801-003755 | X212 | CRYSTAL-SMD | 20MHZ,30PPM,28-AAN,20PF,500HM,TP | SA |
| 5 | 2801-003954 | X401 | CRYSTAL-SMD | 27MHz,30ppm,28-AAN,16pF,50ohm,TP | SA |
| 5 | 2801-004300 | X610 | CRYSTAL-SMD | 18.432MHz,30ppm,28-ABX,13pF,30ohm,TP | SA |
| 5 | 2801-004117 | X910 | CRYSTAL-SMD | 6MHZ,30PPM,28-ABX,20PF,1500HM,TP | SA |
| 5 | 2801-003773 | X913 | CRYSTAL-SMD | 12MHZ,30PPM,28-AAN,20PF,500HM,TP | SA |
| 5 | 2801-003773 | X914 | CRYSTAL-SMD | 12MHZ,30PPM,28-AAN,20PF,500HM,TP | SA |
| 5 | 2801-003755 | X916 | CRYSTAL-SMD | 20MHZ,30PPM,28-AAN,20PF,500HM,TP | SA |
| 5 | BN97-00362C | MICOM1 | ASSY MICOM | NF32UO | SA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|-----------------|---|---------|
| 6 | BN82-00114W | CIS | A/S MICOM-SUB | NF32UO | SNA |
| 4 | BP62-00017A | H/S | HEAT SINK-ES | SP-50L2HX,A6063S,T2.0,26.2,26.2,TYPE-INSULATION | SNA |
| 5 | MD09-00137A | IC910 | IC MICOM | P-PCFM-012,P-PCFM-012,32,5V,12MHZ,I/O EXPANDER,8K BYTE,SOP,SOP,12 X19.9,8,-40°... | SA |
| 5 | MD09-00137A | IC914 | IC MICOM | P-PCFM-012,P-PCFM-012,32,5V,12MHZ,I/O EXPANDER,8K BYTE,SOP,SOP,12 X19.9,8,-40°... | SA |
| 6 | 1107-001415 | IC917 | IC-FLASH MEMORY | 29W320D,4Mx8/2Mx16Bit,TSOP,48P,18.4x12mm,70nS,2.7/3.6V,-,-40to+85C,100uA,-,TR | SNA |
| 2 | BN91-00403B | - | ASSY LCD-E4 | VENUS,,, | SNA |
| 3 | BN07-00108A | LCD | LCD | LTA320W1-L01,RS24NS,6BIT FRC,746.0*463.0*55.0,16.7M,40,0.537*0.537,0-40,5.0,1 LV | SA |

7-2 Others

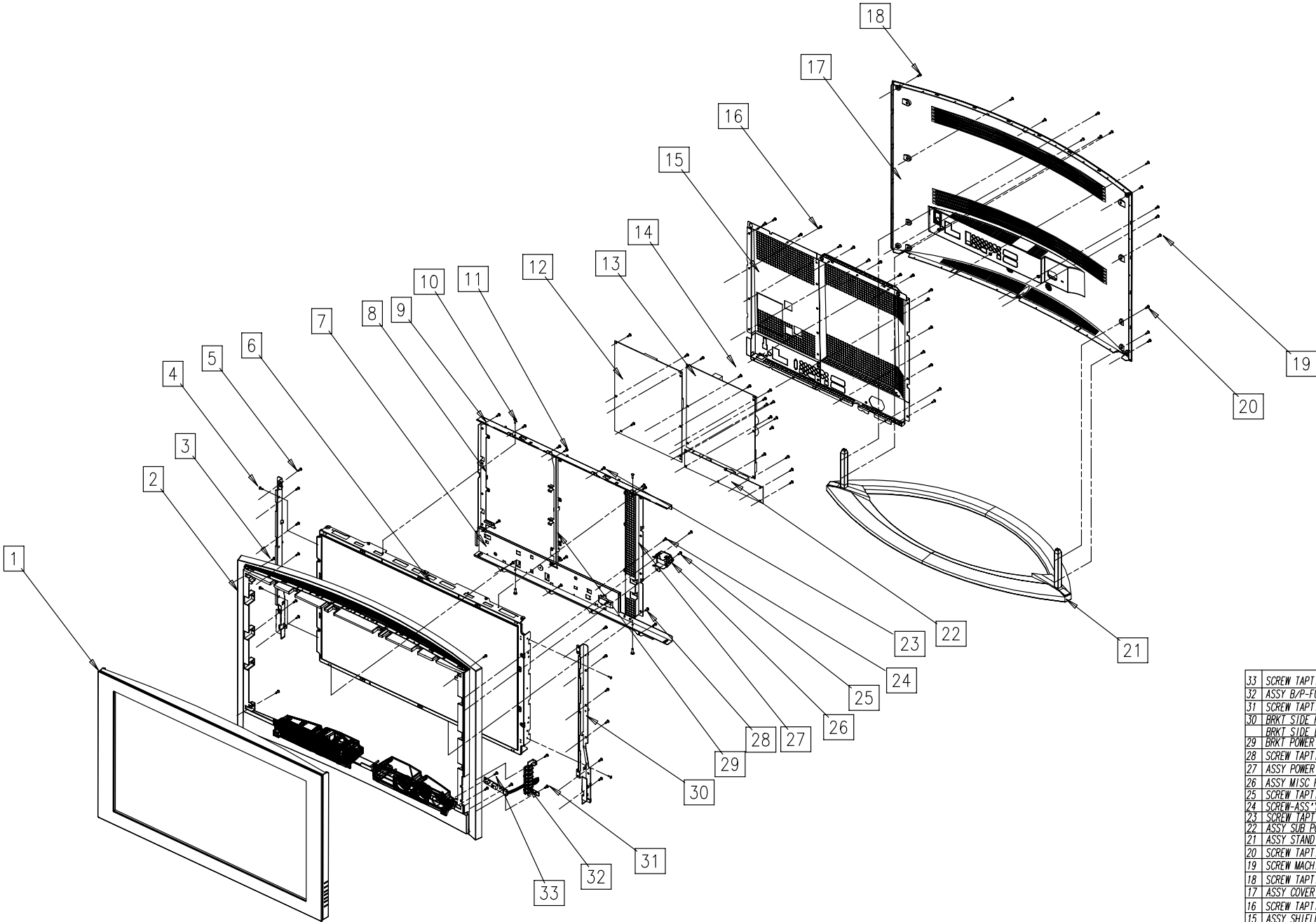
| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|---------------|---------------------|--|---------|
| 2 | BN90-00486K | - | ASSY STAND | NF32EO | SNA |
| 3 | BN96-00944A | STD | ASSY STAND P | NAPLES 32,ABS HB,WHN-2023+CLP-2258MG | SA |
| 4 | 6003-000122 | STD | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(YEL),SWRCH18 | SA |
| 4 | 6003-001136 | STD | SCREW-TAPTITE | BH,+,B,M4,L8,ZPC(YEL),SWRCH18A | SNA |
| 4 | 6902-000519 | STD | BAG PE | HDPE/NITRON(DOUBLE),TO.015/TO.05(DOUBLE),W1000,L700,TRP,28 LANGUAGE,2- | SNA |
| 4 | BN61-01006A | STD | BRACKET-STAND | NAPLES 32,SECC,2.0 | SNA |
| 4 | BN61-01014A | STD | SUPPORT-TOP R | NAPLES 32,PPS,5.0 | SNA |
| 4 | BN61-01015A | STD | SUPPORT-TOP L | NAPLES 32,PPS,5.0 | SNA |
| 4 | BN63-01149A | STD | COVER-STAND | NAPLES 32,ABS,T3.0,V0,IV16 | SNA |
| 2 | BN90-00640V | - | ASSY COVER FRONT | NF32UO | SNA |
| 3 | 6003-000122 | C/F+MID | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(YEL),SWRCH18 | SA |
| 3 | BN96-00941D | C/F | ASSY COVER P-FRONT | 32 NAPLES-II,ABS HB,NF32UO | SNA |
| 3 | BN96-00942B | C/F | ASSY COVER P-MIDDLE | NF32EO,ABS V0,JBL | SNA |
| 2 | BN90-00641P | - | ASSY COVER REAR | NF32UO | SNA |
| 3 | BN96-00943D | C/R | ASSY COVER P-REAR | 32 NAPLES-II,ABS V0,NF32UO | SNA |
| 2 | BN91-00333F | - | ASSY CHASSIS-E4 | NF32UO | SA |
| 2 | BN91-00785Q | - | ASSY SHIELD | NF32UO | SNA |
| 3 | 6003-000117 | B/MAIN+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | 6003-000256 | B/P/G+B/BOT | SCREW-TAPTITE | BWH,+,B,M3,L10,ZPC(YEL),SM20C | SNA |
| 3 | 6003-000117 | B/P/S+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | 6003-000117 | B/POW+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | 6003-000009 | B/S/L+C/F | SCREW-TAPTITE | BH,+,B,M4,L16,ZPC(YEL),SWRCH18 | SNA |
| 3 | 6001-000157 | B/S/L+PAN | SCREW-MACHINE | BH,+,M4,L8,ZPC(YEL),SM20C,- | SNA |
| 3 | 6003-000009 | B/S/L+PAN+C/F | SCREW-TAPTITE | BH,+,B,M4,L16,ZPC(YEL),SWRCH18 | SNA |
| 3 | 6003-000009 | B/S/R+C/F | SCREW-TAPTITE | BH,+,B,M4,L16,ZPC(YEL),SWRCH18 | SNA |
| 3 | 6001-000157 | B/S/R+PAN | SCREW-MACHINE | BH,+,M4,L8,ZPC(YEL),SM20C,- | SNA |
| 3 | 6003-000009 | BRKT/BOT+C/F | SCREW-TAPTITE | BH,+,B,M4,L16,ZPC(YEL),SWRCH18 | SNA |
| 3 | 6001-000157 | BRKT/BOT+PAN | SCREW-MACHINE | BH,+,M4,L8,ZPC(YEL),SM20C,- | SNA |
| 3 | 6003-000009 | BRKT/TOP+C/F | SCREW-TAPTITE | BH,+,B,M4,L16,ZPC(YEL),SWRCH18 | SNA |
| 3 | 6001-000157 | BRKT/TOP+PAN | SCREW-MACHINE | BH,+,M4,L8,ZPC(YEL),SM20C,- | SNA |

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|---------------|----------------------------|--|---------|
| 3 | 6001-000158 | C/R+BRKT | SCREW-MACHINE | BH,+,M5,L10,NI PLT,SWRCH18A,- | SA |
| 3 | 6003-001323 | C/R+C/MID | SCREW-TAPTITE | BH,+,B,M4,L12,NI PLT,SWRCH18A,- | SNA |
| 3 | 6003-001323 | C/R+S/PCB | SCREW-TAPTITE | BH,+,B,M4,L12,NI PLT,SWRCH18A,- | SNA |
| 3 | 6001-000137 | CIS | SCREW-MACHINE | BH,+,M3,L8,ZPC(YEL),SM20C,- | SNA |
| 3 | 6046-001011 | CIS | STAND OFF | M3,L3.5,NI PLT,SUM24L,#4-40 | SNA |
| 3 | BH73-60304F | CIS | RUBBER-SUPPORT | CK40PS,NEOPRENE 94 V0,20*10 T0.25,60°Δ°æ 5°Δ,20,GRAY | SNA |
| 3 | BN39-00484A | CIS | LEAD CONNECTOR | NAPLES,UL1007#26,UL/CSA,14P,200MM,#26,SMH200-14,PAP-14V-S,BK,1007#26,SJ03-01-559 | SA |
| 3 | BN39-00526B | CIS | LEAD CONNECTOR | NF32EO,UL2835#28,12/15P,650MM,#28,12507HS-12L,12507HS-15L,BK,2835#28,CORE | SNA |
| 3 | BN39-00547A | CIS | LEAD CONNECTOR | NF32EO,UL2547#26,3P,210MM,#26,SMH250-03,SMH250-03,BK,2547#26 | SNA |
| 3 | BN39-00548A | CIS | LEAD CONNECTOR | NF32EO,UL1571#30,30P,210MM,#30,12507HS-30,12507HS-30L,BK,1571#30,SJ04-01-099,COR | SNA |
| 3 | BN61-01007A | CIS | BRACKET-SIDE R | NAPLES 32,SECC,1.6 | SNA |
| 3 | BN61-01008A | CIS | BRACKET-SIDE L | NAPLES 32,SECC,1.6 | SNA |
| 3 | BN61-01100A | CIS | BRACKET-POWER | NAPLES 32,SECC,1.2,NAPLES-2 | SNA |
| 3 | 6006-000245 | G/WIRE+B/BOT | SCREW-ASS'Y MACH | WSP,PH,+,M4,L8,ZPC(YEL),SWRCH1 | SNA |
| 3 | 6003-000276 | IR/PCB+C/F | SCREW-TAPTITE | BH,+,B,M3,L10,ZPC(YEL),SWCH10 | SNA |
| 3 | 6003-000122 | K/FUN+C/MID | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(YEL),SWRCH18 | SA |
| 3 | 6003-000117 | MAIN/PCB+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | 6003-000117 | P/P/SUB+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | 6003-000117 | POW/PCB+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | 6003-000117 | S/PCB+BRKT | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SNA |
| 3 | BN96-00589B | CIS | ASSY MISC P-INLET | NAPLES,Inlet(BN39-00494A),Bracket(BN61-00352A),Screw(6003-001010) | SNA |
| 3 | BN96-00969A | CIS | ASSY MISC P-BRKT POWER SUB | NA32EO | SNA |
| 4 | BN61-01011A | CIS | BRACKET-POWER SUB | NAPLES 32,SECC,1.2 | SNA |
| 4 | BN63-01257A | CIS | GASKET | VN30,CONDUCTIVE FABRIC,5mm,10mm,320mm,GRAY,32K,71TSSK-10-5-320 | SNA |
| 3 | BN96-01014D | CIS | ASSY MISC P-SHIELD PCB | NF32**,NTSC | SNA |
| 3 | BN96-01025A | CIS | ASSY MISC P-BRKT TOP | NA32EO | SNA |
| 4 | BN61-01009A | CIS | BRACKET-TOP | NAPLES 32,SECC,1.2 | SNA |
| 4 | BN63-01259A | CIS | GASKET | NA32,CONDUCTIVE FABRIC,13mm,16mm,100mm,GRAY,32K,71TSSK-16-13-100 | SNA |
| 3 | BN96-01123A | CIS | ASSY MISC P-BRKT BOTTOM | 32 NAPLES-II,SECC T1.2 | SNA |
| 3 | BN96-01124A | CIS | ASSY MISC P-BRKT MAIN | 32 NAPLES-II,SECC T1.2 | SNA |
| 3 | BN96-01186A | CIS | ASSY BOARD P-FUNCTION IR | NAPLES 2,FUNCTION-IR | - |
| 2 | BN92-00932A | - | ASSY P/MATERIAL | NA32EO,EUROPE | SNA |
| 3 | 6902-000584 | P/M | BAG PE | HDPE/NITRON(DOUBLE),T0.015/T0.8,W1000,L1000,TRP,28,2 | SNA |
| 3 | AA60-40006A | P/M | PIN-STAPLE | AUTO,33X17.8X2.4,H18,33X17.8X2.4 | SNA |
| 3 | AA61-20285A | P/M | HOLDER-BOX | 3456,PP,-,-,WHT,VO | SNA |
| 3 | AA69-02446Z | P/M | PALLET-SET | NAPLES 32,PAPER,1020,660,120 | SNA |
| 3 | AA69-02609A | P/M | BAND-PP | W18,CLEA,1G | SNA |
| 3 | BN69-00707A | P/M | CUSHION | NAPLES 32,EPS,50M | SNA |
| 2 | BN92-01010L | - | ASSY LABEL | NF32UO | SNA |
| 3 | BN68-00614A | LABEL | LABEL RATING-00 | ALL,SS,PE,T0.05,90*45,BLK,POLYESTER,NO SILK | SNA |
| 2 | BN92-01042K | - | ASSY ACCESSORY | NF32UO | SNA |
| 2 | BN92-01043M | - | ASSY BOX | NF26EO | SNA |
| 3 | AA68-50509A | BOX | LABEL-00,BOX | A/P 90(G),ALL MODEL,-,WHT,L250 | SNA |
| 3 | BN69-00712A | BOX | PACKING CASE-IN | NAPLES 32,D-4 AB,987,297,255,YEL | SNA |
| 3 | BN69-00713F | BOX | PACKING CASE-00,OUT | NF32U*,S*,DW3 AB,C3,WHT,ASIA/SEA | SNA |

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6 Exploded View and Parts List

※ You can search for updated part codes through ITSELF web site.
URL : <http://itself.sec.samsung.co.kr/>



| | | | | | |
|----|-------------------|-------------|------|----------------------------------|--------|
| 33 | SCREW TAPTITE | 6003-000276 | 2 | BH,+,B,M3,L10,BLK | SA |
| 32 | ASSY B/P-FUN IR | BN96-01186A | 1 | - | SNA |
| 31 | SCREW TAPTITE | 6003-000122 | 2 | BH,+,B,M4,L12,ZPC(YEL),SWRCH18A | SA |
| 30 | BRKT SIDE RIGHT | BN61-01007A | 1 | SECC TT.6 | SNA |
| 29 | BRKT SIDE LEFT | BN61-01008A | 1 | SECC TT.6 | SNA |
| 28 | BRKT POWER | BN61-01012A | 1 | SECC TT.2 | SNA |
| 27 | SCREW TAPTITE | 6003-000010 | 4 | BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A | SA |
| 26 | ASSY POWER SUB | BN96-00969A | 1 | SECC TT.2 | SNA |
| 25 | ASSY MISC P-INLET | BN96-00589B | 1 | NAPLES,Inlet(BN39-00494A) | SNA |
| 24 | SCREW TAPTITE | 6003-000010 | 2 | BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A | SA |
| 23 | SCREW-ASS'Y MACH | 6006-000245 | 1 | WSP,PH,+,M4,L8,ZPC(YEL),SWRCH1 | SA |
| 22 | SCREW TAPTITE | 6003-000009 | 8 | BH,+,B,M4,L16,ZPC(YEL),SWRCH18A | SA |
| 21 | ASSY SUB POWER | - | - | - | SA |
| 20 | ASSY STAND | BN96-00944A | 1 | ABS VO GR60 : SV-012P | SNA |
| 19 | SCREW TAPTITE | 6003-001323 | 4 | BH,+,B,M4,L12,N1,PLT | SA |
| 18 | SCREW MACHINE | 6001-000158 | 2 | BH,+,M5,L10,N1,PLT,SWRCH18A | SA |
| 17 | SCREW TAPTITE | 6003-001323 | 9 | BH,+,B,M4,L12,N1,PLT | SA |
| 16 | ASSY COVER REAR | BN96-00943D | 1 | ABS VO GR60 : SV-012P | SA |
| 15 | SCREW TAPTITE | 6003-000010 | 17 | BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A | SA |
| 14 | ASSY SHIELD PCB | BN96-01014D | 1 | SECC TO.5 | SA |
| 13 | SCREW TAPTITE | 6003-000010 | 16 | BWH,+,B,M3,L10,ZPC(YEL),SWRCH18A | SA |
| 12 | ASSY POWER PCB | - | - | - | SNA |
| 11 | SCREW MAIN PCB | - | - | - | SA |
| 10 | SCREW TAPTITE | 6003-000117 | 2 | BH,+,B,M3,L6,ZPC(YEL),SWRCH18A | SA |
| 9 | SCREW MACHINE | 6001-000157 | 4 | BH,+,M4,L8,ZPC(YEL),SWRCH18A | SA |
| 8 | BRKT TOP | BN61-01009A | 1 | SECC TT.2 | SNA |
| 7 | ASSY BRKT MAIN | BN96-01124A | 1 | SECC TT.2 | SNA |
| 6 | ASSY BRKT BOTTOM | BN96-01123A | 1 | SECC TT.2 | SNA |
| 5 | PANEL | BN07-01008A | 1 | LTA320W1-L01,RS24NS,6B1T,FR | SA |
| 4 | SCREW TAPTITE | 6003-000009 | 12 | BH,+,B,M4,L16,ZPC(YEL),SWRCH18A | SA |
| 3 | SCREW MACHINE | 6001-000157 | 4 | BH,+,M4,L8,ZPC(YEL),SWRCH18A | SA |
| 2 | SCREW TAPTITE | 6003-000122 | 4 | BH,+,B,M4,L12,ZPC(YEL),SWRCH18A | SA |
| 1 | ASSY COVER MIDDLE | BN96-00942B | 1 | ABS VO : SV-012P | SNA |
| | ASSY COVER FRONT | BN96-00941D | 1 | ABS HB GR60 : DGN-4128 | SA |
| No | Part Name | Code No | Q'TY | Specification | Remark |

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10-1 PCB Layout Top



| Loc. No. | Description | X | Y |
|----------|-----------------|-------|-------|
| DIODE | | | |
| D210 | DIODE-SWITCHING | 152.0 | 106.4 |
| D310 | DIODE-SWITCHING | 62.4 | 63.2 |
| D610 | DIODE-ZENER | 166.0 | 178.4 |
| D611 | DIODE-ZENER | 183.6 | 189.2 |
| D612 | DIODE-ZENER | 159.2 | 225.2 |
| D616 | DIODE-SWITCHING | 198.0 | 178.8 |
| D617 | DIODE-ZENER | 193.2 | 178.8 |
| D618 | DIODE-ZENER | 232.8 | 26.8 |
| D619 | DIODE-ZENER | 236.8 | 26.8 |
| D620 | DIODE-ZENER | 232.8 | 22.0 |
| D621 | DIODE-ZENER | 236.8 | 22.0 |
| D622 | DIODE-ZENER | 216.4 | 21.6 |
| D623 | DIODE-ZENER | 212.4 | 21.6 |
| D706 | DIODE-ZENER | 127.6 | 41.6 |
| D707 | DIODE-ZENER | 131.6 | 41.6 |
| D708 | DIODE-ZENER | 131.6 | 41.6 |
| D709 | DIODE-ZENER | 127.6 | 41.6 |
| D710 | DIODE-ARRAY | 73.6 | 63.2 |
| D711 | DIODE-SWITCHING | 82.4 | 63.2 |
| D712 | DIODE-SWITCHING | 86.8 | 63.2 |
| D713 | DIODE-SWITCHING | 91.2 | 63.2 |
| D714 | DIODE-ZENER | 140.4 | 42.0 |
| D719 | DIODE-ZENER | 188.4 | 15.6 |
| D720 | DIODE-ZENER | 188.4 | 20.0 |
| D721 | DIODE-ZENER | 89.6 | 39.6 |
| D722 | DIODE-ZENER | 93.2 | 52.0 |
| D725 | DIODE-ZENER | 20.4 | 61.6 |
| D726 | DIODE-ZENER | 98.4 | 40.8 |
| D727 | DIODE-ZENER | 93.2 | 47.2 |
| D728 | DIODE-ZENER | 97.2 | 47.2 |
| D730 | DIODE-ZENER | 69.2 | 63.2 |
| D732 | DIODE-ZENER | 61.6 | 39.6 |
| D733 | DIODE-ZENER | 73.6 | 39.6 |
| D734 | DIODE-ZENER | 81.6 | 39.6 |
| D735 | DIODE-ZENER | 65.6 | 39.6 |
| D736 | DIODE-ZENER | 57.6 | 39.6 |
| D737 | DIODE-ZENER | 69.6 | 39.6 |
| D738 | DIODE-ZENER | 77.6 | 39.6 |
| D739 | DIODE-ZENER | 132.4 | 27.2 |
| D740 | DIODE-ZENER | 132.4 | 22.8 |
| D741 | DIODE-ZENER | 128.4 | 27.2 |
| D742 | DIODE-ZENER | 128.4 | 22.8 |
| D743 | DIODE-ZENER | 132.4 | 31.6 |
| D744 | DIODE-ZENER | 132.4 | 36.0 |
| D745 | DIODE-ZENER | 128.4 | 31.6 |
| D746 | DIODE-ZENER | 128.4 | 36.0 |
| D747 | DIODE-ARRAY | 62.4 | 68.8 |
| D748 | DIODE-SWITCHING | 13.6 | 41.6 |
| D749 | DIODE-SWITCHING | 25.6 | 41.6 |
| D750 | DIODE-SWITCHING | 21.6 | 41.6 |
| D751 | DIODE-SWITCHING | 29.6 | 41.6 |
| D752 | DIODE-SWITCHING | 33.6 | 41.6 |
| D753 | DIODE-SWITCHING | 37.6 | 41.6 |
| D754 | DIODE-ZENER | 53.6 | 39.6 |
| D755 | DIODE-SWITCHING | 17.6 | 41.6 |
| D756 | DIODE-ZENER | 49.6 | 39.6 |
| D757 | DIODE-SWITCHING | 41.6 | 41.6 |
| D758 | DIODE-ARRAY | 16.8 | 66.8 |

| Loc. No. | Description | X | Y |
|----------|------------------|-------|-------|
| D762 | DIODE-ZENER | 45.6 | 39.6 |
| D763 | DIODE-ZENER | 28.4 | 22.8 |
| D764 | DIODE-ZENER | 43.6 | 22.8 |
| D773 | DIODE-ZENER | 24.0 | 22.8 |
| D774 | DIODE-ZENER | 39.2 | 22.8 |
| D780 | DIODE-ZENER | 144.4 | 42.0 |
| D781 | DIODE-ZENER | 192.4 | 6.8 |
| D782 | DIODE-ZENER | 192.4 | 11.2 |
| D783 | DIODE-ZENER | 144.4 | 42.0 |
| D784 | DIODE-ZENER | 188.4 | 6.8 |
| D785 | DIODE-ZENER | 188.4 | 11.2 |
| D791 | DIODE-ZENER | 97.2 | 52.0 |
| D792 | DIODE-ZENER | 93.6 | 39.6 |
| D793 | DIODE-ZENER | 85.6 | 39.6 |
| D811 | DIODE-RECTIFIER | 62.4 | 242.0 |
| D812 | DIODE-RECTIFIER | 23.0 | 219.2 |
| D813 | DIODE-RECTIFIER | 23.0 | 172.8 |
| D814 | DIODE-SCHOTTKY | 30.0 | 238.8 |
| D815 | DIODE-RECTIFIER | 23.0 | 203.6 |
| D816 | DIODE-ZENER | 30.0 | 244.8 |
| D817 | DIODE-ZENER | 23.6 | 244.8 |
| D818 | DIODE-RECTIFIER | 23.0 | 188.4 |
| D819 | DIODE-ZENER | 26.8 | 244.4 |
| D909 | DIODE-ZENER | 158.4 | 241.2 |
| D910 | DIODE-SWITCHING | 14.4 | 116.8 |
| D913 | DIODE-ZENER | 126.0 | 233.2 |
| D914 | DIODE-ZENER | 130.0 | 233.2 |
| D915 | DIODE-SWITCHING | 114.8 | 153.2 |
| D916 | DIODE-SWITCHING | 114.8 | 147.6 |
| D918 | DIODE-ZENER | 73.6 | 63.2 |
| D919 | DIODE-ZENER | 78.0 | 63.2 |
| D920 | DIODE-ZENER | 78.0 | 63.2 |
| D921 | DIODE-ZENER | 69.2 | 63.2 |
| D922 | DIODE-ZENER | 66.8 | 68.8 |
| D933 | DIODE-ZENER | 140.4 | 42.0 |
| D934 | DIODE-ZENER | 106.0 | 40.8 |
| D935 | DIODE-ZENER | 192.4 | 15.6 |
| D936 | DIODE-ZENER | 192.4 | 20.0 |
| D947 | DIODE-SCHOTTKY | 82.0 | 231.6 |
| D1910 | DIODE-ARRAY | 17.6 | 155.8 |
| D1911 | DIODE-ARRAY | 13.2 | 155.8 |
| D2201 | DIODE-ARRAY | 201.6 | 236.0 |
| D2202 | DIODE-ARRAY | 201.6 | 244.0 |
| D2205 | DIODE-ARRAY | 206.4 | 256.0 |
| D3700 | DIODE-ZENER | 18.0 | 61.6 |
| D3701 | DIODE-ZENER | 18.4 | 79.6 |
| D3704 | DIODE-ZENER | 15.6 | 61.6 |
| D3705 | DIODE-ZENER | 65.2 | 110.4 |
| D3706 | DIODE-ZENER | 54.0 | 110.4 |
| D3707 | DIODE-ZENER | 42.6 | 79.6 |
| D3708 | DIODE-ZENER | 47.8 | 102.8 |
| D5901 | DIODE-ZENER | 96.0 | 121.2 |
| D5902 | DIODE-ZENER | 38.8 | 166.8 |
| D5903 | DIODE-ZENER | 38.8 | 155.6 |
| IC | | | |
| IC210 | IC-VIDEO PROCESS | 138.0 | 140.4 |
| IC211 | IC-VIDEO PROCESS | 117.2 | 93.2 |
| IC212 | IC-VIDEO SWITCH | 140.0 | 56.4 |
| IC213 | IC-VIDEO SWITCH | 98.0 | 70.4 |

| Loc. No. | Description | X | Y |
|----------|---------------------|-------|-------|
| IC214 | IC-VIDEO SWITCH | 123.6 | 70.4 |
| IC215 | IC-SEPARATOR | 151.6 | 93.2 |
| IC220 | IC-RESET | 194.4 | 255.6 |
| IC310 | IC-RECEIVER | 58.0 | 90.4 |
| IC311 | IC-RECEIVER | 31.2 | 90.4 |
| IC312 | IC-A/D CONVERTER | 86.8 | 90.4 |
| IC313 | IC-POSI.FIXED REG. | 72.0 | 75.6 |
| IC314 | IC-VOL. DETECTOR | 57.2 | 68.8 |
| IC401 | IC-VIDEO PROCESS | 138.0 | 181.6 |
| IC402 | IC-DRAM | 138.0 | 184.4 |
| IC501 | IC-VIDEO PROCESS | 88.8 | 209.2 |
| IC510 | IC-DRAM | 58.0 | 199.6 |
| IC511 | IC-DRAM | 58.0 | 217.6 |
| IC513 | IC-TIMER | 98.0 | 248.8 |
| IC514 | IC-TIMER | 104.4 | 248.8 |
| IC515 | IC-TRANSMITTER | 131.2 | 242.8 |
| IC516 | FET-SILICON | 73.6 | 255.8 |
| IC610 | IC-SOUND PROCESSOR | 177.2 | 207.6 |
| IC611 | IC-AUDIO AMP | 222.0 | 216.8 |
| IC612 | IC-AUDIO SWITCH | 163.6 | 46.4 |
| IC613 | IC-OP AMP | 194.8 | 214.0 |
| IC614 | IC-OP AMP | 194.8 | 207.6 |
| IC615 | IC-AUDIO AMP | 174.0 | 208.4 |
| IC616 | IC-OP AMP | 194.8 | 201.2 |
| IC617 | IC-OP AMP | 194.8 | 194.8 |
| IC618 | IC-OP AMP | 194.8 | 188.4 |
| IC710 | IC-EEPROM | 78.8 | 69.6 |
| IC711 | IC-EEPROM | 63.2 | 62.4 |
| IC712 | IC-EEPROM | 21.6 | 64.0 |
| IC713 | IC-CMOS LOGIC | 87.2 | 69.6 |
| IC809 | IC-POSI.FIXED REG. | 221.2 | 178.0 |
| IC810 | IC-POSI.FIXED REG. | 221.2 | 139.6 |
| IC811 | IC-SWITCH REG. | 56.4 | 242.0 |
| IC812 | IC-SWITCH VOL. REG. | 17.2 | 219.6 |
| IC813 | IC-DC/DC CONVERTER | 17.2 | 172.8 |
| IC814 | IC-DC/DC CONVERTER | 30.4 | 231.6 |
| IC815 | IC-POSI.ADJUST REG. | 49.2 | 231.6 |
| IC816 | IC-SWITCH VOL. REG. | 17.2 | 204.0 |
| IC817 | IC-POSI.ADJUST REG. | 66.4 | 231.6 |
| IC818 | IC-SWITCH VOL. REG. | 17.2 | 188.8 |
| IC820 | IC-POSI.FIXED REG. | 83.6 | 243.2 |
| IC909 | IC-VOL. DETECTOR | 157.6 | 248.4 |
| IC910 | IC MICOM | 23.2 | 134.8 |
| IC911 | IC-DRAM | 54.4 | 152.0 |
| IC912 | IC-VOL. DETECTOR | 20.0 | 116.4 |
| IC913 | IC-DRAM | 54.4 | 168.0 |
| IC914 | IC MICOM | 23.2 | 157.2 |
| IC915 | IC-DRIVER/RECEIVER | 74.8 | 183.6 |
| IC916 | IC-OP AMP | 110.8 | 248.8 |
| IC917 | IC-FLASH MEMORY | 54.8 | 134.8 |
| IC918 | IC-CMOS LOGIC | 75.6 | 121.2 |
| IC919 | IC-RESET | 32.8 | 123.2 |
| IC920 | IC-LCD CONTROLLER | 88.9 | 152.4 |
| IC921 | IC-EPROM | 177.2 | 240.4 |
| IC922 | IC-DECODER | 138.0 | 220.4 |
| IC923 | IC-EEPROM | 119.6 | 221.6 |
| IC924 | IC-EEPROM | 84.0 | 183.6 |
| IC925 | IC-SRAM | 194.0 | 248.0 |
| IC926 | IC-TTL | 204.4 | 242.4 |
| IC927 | IC-TTL | 204.4 | 254.4 |

| Loc. No. | Description | X | Y |
|------------|----------------------|-------|-------|
| IC928 | IC-TTL | 204.4 | 230.4 |
| IC929 | IC-TTL | 194.4 | 230.4 |
| IC930 | IC-CMOS LOGIC | 184.0 | 255.6 |
| IC931 | IC-CMOS LOGIC | 176.0 | 255.6 |
| IC932 | IC-TTL | 194.4 | 247.2 |
| IC933 | IC-TTL | 194.4 | 230.8 |
| IC934 | IC-POSI.ADJUST REG. | 44.4 | 68.8 |
| IC940 | IC-VOLTAGE REGULATOR | 215.2 | 42.0 |
| IC941 | IC-VOLTAGE REGULATOR | 212.0 | 111.2 |
| IC942 | IC-DC/DC CONVERTER | 73.6 | 242.0 |
| IC943 | IC-ANALOG SWITCH | 119.6 | 231.6 |
| TRANSISTOR | | | |
| Q210 | TR-SMALL SIGNAL | 134.8 | 124.0 |
| Q211 | TR-SMALL SIGNAL | 134.8 | 128.0 |
| Q212 | TR-SMALL SIGNAL | 130.4 | 124.0 |
| Q213 | TR-SMALL SIGNAL | 148.0 | 96.8 |
| Q214 | TR-SMALL SIGNAL | 144.0 | 96.8 |
| Q215 | TR-SMALL SIGNAL | 139.2 | 124.0 |
| Q216 | TR-SMALL SIGNAL | 152.0 | 96.8 |
| Q217 | TR-SMALL SIGNAL | 143.2 | 124.0 |
| Q218 | TR-SMALL SIGNAL | 117.2 | 124.0 |
| Q219 | TR-SMALL SIGNAL | 117.2 | 117.2 |
| Q220 | TR-SMALL SIGNAL | 164.4 | 101.6 |
| Q221 | TR-SMALL SIGNAL | 121.2 | 124.0 |
| Q222 | TR-SMALL SIGNAL | 126.0 | 123.6 |
| Q223 | TR-SMALL SIGNAL | 165.2 | 76.4 |
| Q224 | TR-SMALL SIGNAL | 160.8 | 76.4 |
| Q225 | TR-SMALL SIGNAL | 156.4 | 76.4 |
| Q226 | TR-SMALL SIGNAL | 148.0 | 76.4 |
| Q227 | TR-SMALL SIGNAL | 143.6 | 76.4 |
| Q228 | TR-SMALL SIGNAL | 139.6 | 76.4 |
| Q251 | TR-SMALL SIGNAL | 233.6 | 208.4 |
| Q252 | TR-SMALL SIGNAL | 227.2 | 208.4 |
| Q253 | TR-SMALL SIGNAL | 206.8 | 21.6 |
| Q310 | FET-SILICON | 19.6 | 74.0 |
| Q311 | FET-SILICON | 23.6 | 74.0 |
| Q401 | TR-SMALL SIGNAL | 141.2 | 219.2 |
| Q510 | TR-SMALL SIGNAL | 77.6 | 239.6 |
| Q511 | TR-SMALL SIGNAL | 77.6 | 247.6 |
| Q610 | TR-SMALL SIGNAL | 188.8 | 178.8 |
| Q611 | TR-SMALL SIGNAL | 187.2 | 222.2 |
| Q612 | TR-SMALL SIGNAL | 187.2 | 215.2 |
| Q613 | TR-SMALL SIGNAL | 214.4 | 224.2 |
| Q712 | FET-SILICON | 51.6 | 47.6 |
| Q713 | FET-SILICON | 56.0 | 47.6 |
| Q810 | TR-SMALL SIGNAL | 8.8 | 95.2 |
| Q811 | TR-SMALL SIGNAL | 8.8 | 88.0 |
| Q812 | TR-SMALL SIGNAL | 15.2 | 246.8 |
| Q814 | TR-SMALL SIGNAL | 13.6 | 176.0 |
| Q909 | TR-SMALL SIGNAL | 22.4 | 158.8 |
| Q910 | TR-SMALL SIGNAL | 136.4 | 219.2 |
| Q911 | FET-SILICON | 93.6 | 181.6 |
| Q912 | FET-SILICON | 163.2 | 198.0 |
| Q913 | FET-SILICON | 167.2 | 198.0 |
| Q914 | FET-SILICON | 89.6 | 181.6 |
| Q916 | TR-SMALL SIGNAL | 144.4 | 46.8 |
| Q7101 | TR-SMALL SIGNAL | 232.8 | 224.2 |
| Q7102 | TR-SMALL SIGNAL | 191.8 | 222.2 |

1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD TV

1. When servicing the LCD TV disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the LCD TV to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the LCD TV.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):

WARNING:

Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (UL Publication UL1410, 59.7).

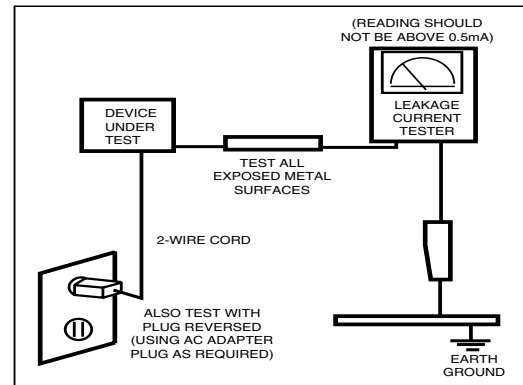


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
 - (a) remove or reinstall any component or assembly,
 - (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LCD TV.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Specifications

| Item | Description | |
|--|---|--------------------------|
| LCD Panel | TFT-LCD panel, RGB vertical stripe, normally black transmissive, (32 -Inch) viewable, 0.537 mm pixel pitch | |
| Scanning Frequency | Horizontal : 30 kHz ~ 61 kHz | Vertical : 56 Hz ~ 75 Hz |
| Display Colors | 16.7 Million colors | |
| Maximum Resolution | Horizontal : 1280 Pixels Vertical : 768 Pixels | |
| Input Video Signal | Analog, 0.7 Vp-p ± 5% positive at 75 Ω, internally terminated | |
| Input Sync Signal | Type : Separate H/V sync, Composite H/V, Sync-on-Green Level : TTL level | |
| AC power voltage & Frequency | AC 100 ~ 240 V, 50 ~ 60 Hz | |
| Power Consumption | 170W (max) | |
| Dimensions Set (W x D x H) | 33.9 x 12.9 x 23.9 Inches (862 x 328 x 606.2 mm) State of stand installed 33.9 x 5.0 x 23.0 Inches (862 x 125.8 x 584.7 mm) State of stand disassembled | |
| Package (W x D x H) | 40.2 x 13.0 x 33.5 Inches (1,020 x 330 x 850 mm) | |
| Weight (Set / Package) | 23 kg (50.7 lbs) State of stand installed / 30.5 kg (67.2 lbs) | |
| Environmental Considerations | Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 % | |
| TV System | Color | PAL, SECAM, NTSC4.43 |
| | Sound | BG, DK, L, I |
| Antenna Input | 75Ω, Coaxial Cable | |
| Sound Characteristics | <ul style="list-style-type: none">•Max Internal speaker Out Main : Right => 10 W / Left => 10 W•Bass control Range : -6 ± -12dB ~ +6 ± 12dB•Treble control Range : -10 ± -12dB ~ +10 ± 12dB•Output frequency : RF => 80 Hz~15 kHz / A/V => 80 Hz~20 kHz•Line out : RF => 80 Hz~15 kHz / A/V => 80 Hz~20 kHz | |
| <ul style="list-style-type: none">•SyncMaster comply with SWEDAC (MPRII) recommendations for reduced electromagnetic fields.•Designs and specifications are subject to change without prior notice. | | |

2-2 Pin Assignments

2-2-1 DVI / PC

| Pin No. | 30 Pin Signal Cable (DVI Analog) | Pin No. | 30 Pin Signal Cable (DVI Analog) |
|---------|----------------------------------|---------|----------------------------------|
| 1 | RX2+ | 16 | GND |
| 2 | RX2- | 17 | Check • D-Sub |
| 3 | GND | 18 | GND |
| 4 | RX1+ | 19 | DDC_5V |
| 5 | RX1- | 20 | DDC_5V |
| 6 | GND | 21 | GND |
| 7 | RX0+ | 22 | V/Sync |
| 8 | RX0- | 23 | GND |
| 9 | GND | 24 | H/Sync |
| 10 | RXC+ | 25 | GND |
| 11 | RXC- | 26 | Blue |
| 12 | GND | 27 | GND |
| 13 | DDC (Clock) | 28 | Green |
| 14 | DDC (Data) | 29 | GND |
| 15 | GND | 30 | Red |

2-2-2 DVD, DTV

| | |
|-----------|---------|
| RCA Green | Y |
| | GND |
| RCA Blue | Pb (Cb) |
| | GND |
| RCA Red | Pr (Cr) |
| | GND |
| RCA White | Audio L |
| | GND |
| RCA Red | Audio R |
| | GND |

2-2-3 S-Video

| Pin No. | Separate Sync |
|---------|---------------|
| 1 | GND |
| 2 | Y |
| 3 | C |
| 4 | GND |
| 5 | GND |

2-2-4 A / V

| | |
|-----------|---------|
| RCA Green | CVBS |
| RCA Blue | Audio L |
| | GND |
| RCA Red | Audio R |
| | GND |

2-2-5 HDMI

| Type A pin | Signal Name | Wire |
|------------|---------------------------------------|--------------------|
| 1 | TMDS Data2+ | TMDS Signal wire |
| 2 | TMDS Data2 Shield | TMDS Shield |
| 3 | TMDS Data2- | TMDS Signal wire |
| 4 | TMDS Data1+ | TMDS Signal wire |
| 5 | TMDS Data1 Shield | TMDS Shield |
| 6 | TMDS Data1- | TMDS Signal wire |
| 7 | TMDS Data0+ | TMDS Signal wire |
| 8 | TMDS Data0 Shield | TMDS Shield |
| 9 | TMDS Data0- | TMDS Signal wire |
| 10 | TMDS Clock+ | TMDS Signal wire |
| 11 | TMDS Clock Shield | TMDS Shield |
| 12 | TMDS Clock- | TMDS Signal wire |
| 13 | CEC | Control |
| 14 | Reserved (in cable but N.C on device) | Control |
| 15 | SCL | Control |
| 16 | SDA | Control |
| 17 | DDC/CEC Ground | Control |
| 18 | +5V Power | 5 Volts Power Wire |
| 19 | Hot Plug Delect | Control |

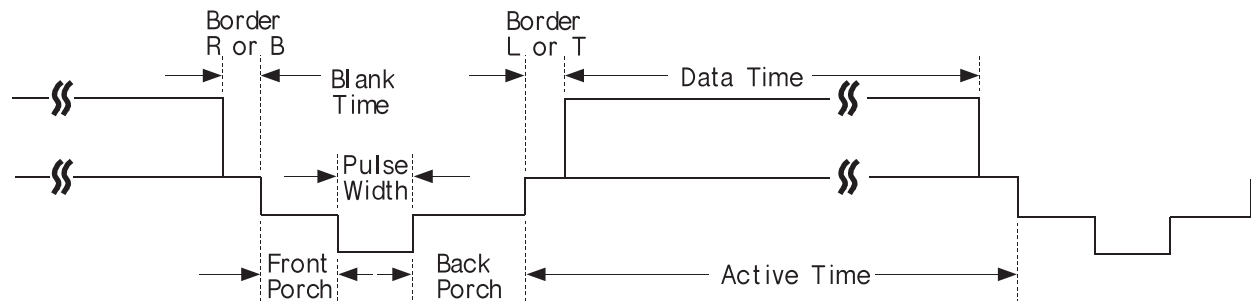
2-3 Timing Chart

2-3-1 Recommended display mode 1280 X 768 60Hz

You can have the optimum display in the same mode as the panel pixel.

Table 2-1 Timing chart (*Panel Mode*)

| | |
|------------------|----------------|
| Timing No. | |
| Originator | VESA |
| Mode | 1280/60Hz |
| Resolution (HxV) | 1280x768 |
| HORIZONTAL | |
| Frequency | 47.700kHz |
| Total time | 20.964 μ s |
| Active time | 15.973 μ s |
| Blank time | 4.992 μ s |
| Border (L / R) | 0.000 μ s |
| Data time | 15.964 μ s |
| Front porch | 0.799 μ s |
| Sync. width | 1.697 μ s |
| Back porch | 2.496 μ s |
| Sync. polarity | Negative |
| VERTICAL | |
| Frequency | 60.000Hz |
| Total time | 16.667ms |
| Active time | 16.101ms |
| Blank time | 0.566ms |
| Border (T / B) | 0.000ms |
| Data time | 16.101ms |
| Front porch | 20.964ms |
| Sync. width | 62.893ms |
| Back porch | 482.180 |
| Sync. polarity | Positive |
| Dot Clock | 80.136MHz |
| Sync. Type | Separate |
| Scan Type | N/I |



2-3-2 Other display mode (PC)

Resolution : 640X480, Horizontal Frequency : 72Hz Spec. VESA
 Resolution : 640X480, Horizontal Frequency : 75Hz Spec. VESA
 Resolution : 640X480, Horizontal Frequency : 67Hz Spec. VESA
 Resolution : 640X480, Horizontal Frequency : 60Hz Spec. IBM
 Resolution : 720X400, Horizontal Frequency : 70Hz Spec. IBM

Table 2-2 Timing chart (Continued)

| Timing No. Originator Mode Resolution (HxV) | 9 VESA 640/72Hz 640x480 | 15 VESA 640/75Hz 640x480 | 73 MAC 640/67Hz 640x480 | 3 IBM VGA3 640x480 | 2 IBM VGA2 720x400 |
|--|----------------------------------|-----------------------------------|----------------------------------|-----------------------------|-----------------------------|
| HORIZONTAL | | | | | |
| Frequency | 37.861kHz | 37.500kHz | 35.000kHz | 31.469kHz | 31.469kHz |
| Total time | 26.413 μ s | 26.667 μ s | 28.571 μ s | 31.778 μ s | 31.777 μ s |
| Active time | 20.825 μ s | 20.317 μ s | 21.164 μ s | 26.058 μ s | 26.058 μ s |
| Blank time | 5.587 μ s | 6.349 μ s | 7.407 μ s | 5.720 μ s | 5.720 μ s |
| Border (L / R) | 0.254 μ s | 0.000 μ s | 0.000 μ s | 0.318 μ s | 0.318 μ s |
| Data time | 20.317 μ s | 20.317 μ s | 21.164 μ s | 25.422 μ s | 25.422 μ s |
| Front porch | 0.508 μ s | 0.508 μ s | 2.116 μ s | 0.318 μ s | 0.318 μ s |
| Sync. width | 1.270 μ s | 2.032 μ s | 2.116 μ s | 3.813 μ s | 3.813 μ s |
| Back porch | 3.810 μ s | 3.810 μ s | 3.175 μ s | 1.589 μ s | 1.589 μ s |
| Sync. polarity | Negative | Negative | Negative | Negative | Negative |
| VERTICAL | | | | | |
| Frequency | 72.809Hz | 75.000Hz | 66.667Hz | 59.940Hz | 70.087Hz |
| Total time | 13.735ms | 13.333ms | 15.000ms | 16.683ms | 14.268ms |
| Active time | 13.101ms | 12.800ms | 13.714ms | 15.761ms | 13.155ms |
| Blank time | 0.634ms | 0.533ms | 1.286ms | 0.922ms | 1.113ms |
| Border (T / B) | 0.211ms | 0.000ms | 0.000ms | 0.254ms | 0.222ms |
| Data time | 12.678ms | 12.800ms | 13.714ms | 15.253ms | 12.711ms |
| Front porch | 0.026ms | 0.027ms | 0.086ms | 0.064ms | 0.191ms |
| Sync. width | 0.079ms | 0.080ms | 0.086ms | 0.064ms | 0.064ms |
| Back porch | 0.528ms | 0.427ms | 1.114ms | 0.794ms | 0.858ms |
| Sync. polarity | Negative | Negative | Negative | Negative | Positive |
| Dot Clock | 31.500MHz | 31.500MHz | 30.240MHz | 25.175MHz | 28.322MHz |
| Sync. Type | Separate | Separate | Separate | Separate | Separate |
| Scan Type | N/I | N/I | N/I | N/I | N/I |

2-3-3 Other display mode (PC)

Resolution : 800X600, Vertical Frequency : 60Hz Spec. VESA

Resolution : 800X600, Vertical Frequency : 72Hz Spec. VESA

Resolution : 800X600, Vertical Frequency : 75Hz Spec. VESA

Resolution : 832X624, Vertical Frequency : 75Hz Spec. MAC

Resolution : 1024X768, Vertical Frequency : 60Hz Spec. VESA

Table 2-3 Timing chart (Continued)

| Timing No. Originator Mode Resolution (HxV) | 11 VESA 800/60Hz 800x600 | 12 VESA 800/72Hz 800x600 | 18 VESA 800/75Hz 800x600 | 74 MAC 832/75Hz 832x624 | 13 VESA 1024/60Hz 1024x768 |
|--|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-------------------------------------|
| HORIZONTAL Frequency | 37.879kHz | 48.077kHz | 46.875kHz | 49.726kHz | 48.363kHz |
| Total time | 26.400 μ s | 20.800 μ s | 21.333 μ s | 20.110 μ s | 20.677 μ s |
| Active time | 20.000 μ s | 16.000 μ s | 16.162 μ s | 14.524 μ s | 15.754 μ s |
| Blank time | 6.400 μ s | 4.800 μ s | 5.171 μ s | 5.171 μ s | 4.923 μ s |
| Border (L / R) | 0.000 μ s | 0.000 μ s | 0.000 μ s | 0.000 μ s | 0.000 μ s |
| Data time | 20.000 μ s | 16.000 μ s | 16.162 μ s | 14.524 μ s | 15.754 μ s |
| Front porch | 1.000 μ s | 1.120 μ s | 0.323 μ s | 0.559 μ s | 0.369 μ s |
| Sync. width | 3.200 μ s | 2.400 μ s | 1.616 μ s | 1.117 μ s | 2.092 μ s |
| Back porch | 2.200 μ s | 1.280 μ s | 3.232 μ s | 3.910 μ s | 2.462 μ s |
| Sync. polarity | Positive | Positive | Positive | Positive | Negative |
| VERTICAL Frequency | 60.317Hz | 72.188Hz | 75.000Hz | 74.551Hz | 60.000Hz |
| Total time | 16.579ms | 13.853ms | 13.333ms | 13.414ms | 16.666ms |
| Active time | 15.840ms | 12.480ms | 12.800ms | 12.549ms | 15.880ms |
| Blank time | 0.739ms | 1.373ms | 0.533ms | 0.864ms | 0.786ms |
| Border (T / B) | 0.000ms | 0.000ms | 0.000ms | 0.000ms | 0.000ms |
| Data time | 12.678ms | 12.480ms | 12.800ms | 12.549ms | 15.880ms |
| Front porch | 0.026ms | 0.770ms | 0.021ms | 0.020ms | 0.062ms |
| Sync. width | 0.079ms | 0.125ms | 0.064ms | 0.060ms | 0.124ms |
| Back porch | 0.528ms | 0.478ms | 0.448ms | 0.784ms | 0.600ms |
| Sync. polarity | Positive | Positive | Positive | Positive | Negative |
| Dot Clock | 40.000MHz | 50.000MHz | 49.500MHz | 49.500MHz | 65.000MHz |
| Sync. Type | Separate | Separate | Separate | Separate | Separate |
| Scan Type* | N/I | N/I | N/I | N/I | N/I |

Table 2-4 Timing chart (Continued)

| | | |
|------------------|----------------|----------------|
| Timing No. | 14 | 17 |
| Originator | VESA | VESA |
| Mode | 1024/70Hz | 1024/75Hz |
| Resolution (HxV) | 1024x768 | 1024x768 |
| HORIZONTAL | | |
| Frequency | 56.476kHz | 60.023kHz |
| Total time | 17.707 μ s | 16.660 μ s |
| Active time | 13.653 μ s | 13.003 μ s |
| Blank time | 4.053 μ s | 3.657 μ s |
| Border (L / R) | 0.000 μ s | 0.000 μ s |
| Data time | 13.653 μ s | 13.003 μ s |
| Front porch | 0.320 μ s | 0.203 μ s |
| Sync. width | 1.813 μ s | 1.219 μ s |
| Back porch | 1.920 μ s | 2.235 μ s |
| Sync. polarity | Negative | Positive |
| VERTICAL | | |
| Frequency | 70.069Hz | 75.029Hz |
| Total time | 14.272ms | 13.328ms |
| Active time | 13.599ms | 12.795ms |
| Blank time | 0.673ms | 0.533ms |
| Border (T / B) | 0.000ms | 0.000ms |
| Data time | 13.599ms | 12.795ms |
| Front porch | 0.053ms | 0.017ms |
| Sync. width | 0.106ms | 0.050ms |
| Back porch | 0.513ms | 0.466ms |
| Sync. polarity | Negative | Positive |
| Dot Clock | 75.000MHz | 78.750MHz |
| Sync. Type | Separate | Separate |
| Scan Type | N/I | N/I |

Table 2-5 Abbreviations

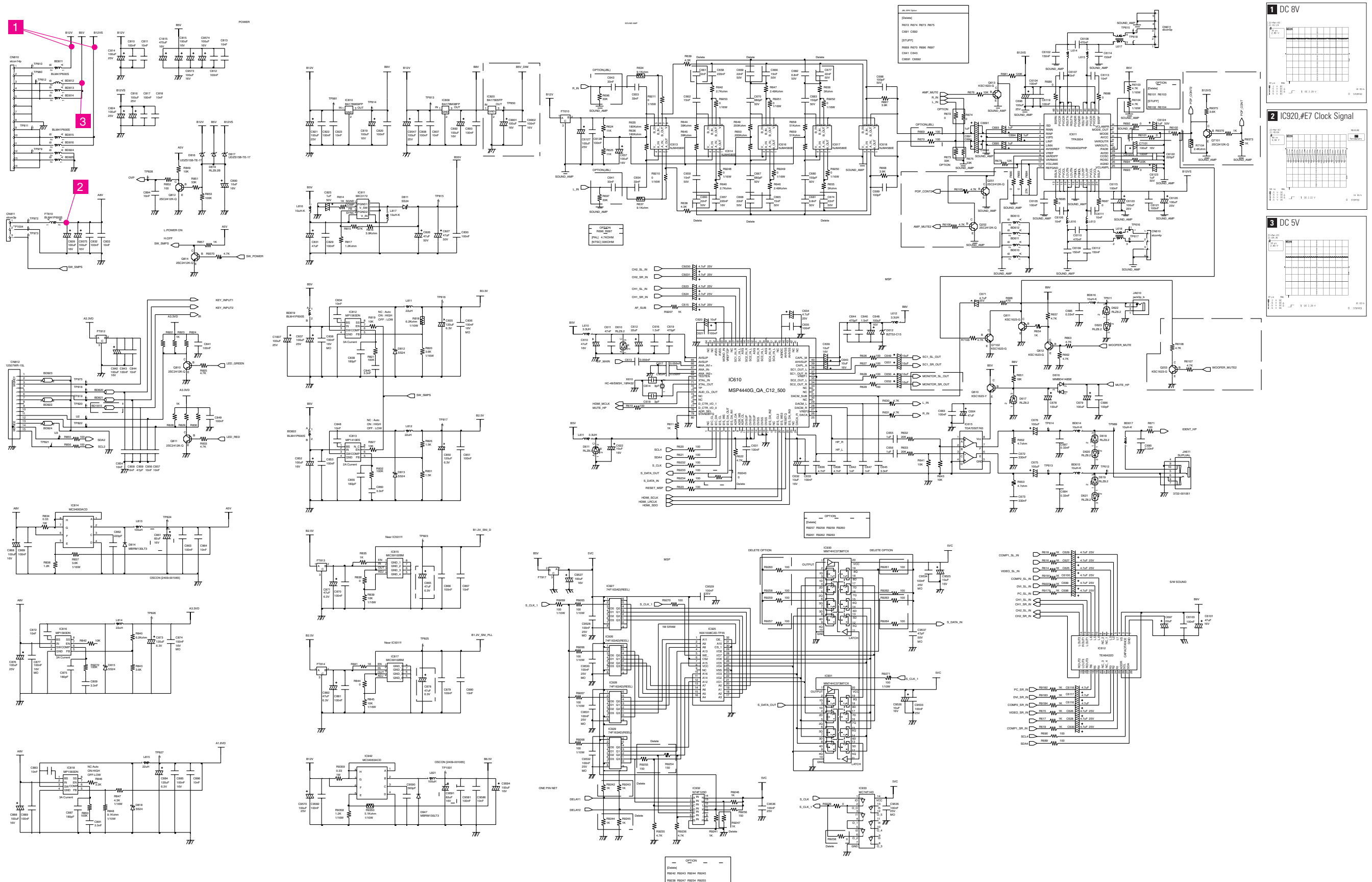
| | | | |
|------|--|-----|------------------------|
| A | Ampere | MV | Megavolt |
| Ah | Ampere-hour | MW | Megawatt |
| Å | Angstrom | M | Megohm |
| dB | Decibel | m | Meter |
| dBm | Decibel Referenced to One Milliwatt | A | Microampere |
| C | Degree Celsius | F | Microfarad |
| F | Degree Fahrenheit | H | Microhenry |
| K | degree Kelvin | m | Micrometer |
| F | Farad | s | Microsecond |
| G | Gauss | W | Microwatt |
| GHz | Gigahertz | mA | Milliampere |
| g | Gram | mg | Milligram |
| H | Henry | mH | Millihenry |
| Hz | Hertz | ml | Milliliter |
| h | Hour | mm | Millimeter |
| ips | Inches Per Second | ms | Millisecond |
| kWh | Kilowatt-hour | mV | Millivolt |
| kg | Kilogram | nF | Nanofarad |
| kHz | Kilohertz | | Ohm |
| k | Kilohm | pF | Picofarad |
| km | Kilometer | lb | Pound |
| km/h | Kilometer Per Hour | rpm | Revolutions Per Minute |
| kV | Kilovolt | rps | Revolutions Per Second |
| kVA | Kilovolt-ampere | s | Second (Time) |
| kW | Kilowatt | V | Volt |
| l | Liter | VA | Volt-ampere |
| MHz | Megahertz | W | Watt |
| | | Wh | Watt-hour |

Table 2-6 Table of Acronyms

| | | | |
|-------|---|--------|---|
| ABL | Automatic Brightness Limiter | I/O | Input/output |
| AC | Alternating Current | L | Left |
| ACC | Automatic Chroma Control | L | Low |
| AF | Audio Frequency | LED | Light Emitting Diode |
| AFC | Automatic Frequency Control | LF | Low Frequency |
| AFT | Automatic Fine Tuning | MOSFET | Metal-Oxide-Semiconductor-Field-Effect-Tr |
| AGC | Automatic Gain Control | MTS | Multi-channel Television Sound |
| AM | Amplitude Modulation | NAB | National Association of Broadcasters |
| ANSI | American National Standards Institute | NEC | National Electric Code |
| APC | Automatic Phase Control | NTSC | National Television Systems Committee |
| APC | Automatic Picture Control | OSD | On Screen Display |
| A/V | Audio-Video | PCB | Printed Circuit Board |
| AVC | Automatic Volume Control | PLL | Phase-Locked Loop |
| BAL | Balance | PWM | Pulse Width Modulation |
| BPF | Bandpass Filter | QIF | Quadrature Intermediate Frequency |
| B-Y | Blue-Y | R | Right |
| CATV | Community Antenna Television (Cable TV) | RC | Resistor & Capacitor |
| CB | Citizens Band | RF | Radio Frequency |
| CCD | Charge Coupled Device | R-Y | Red-Y |
| CCTV | Closed Circuit Television | SAP | Second Audio Program |
| Ch | Channel | SAW | Surface Acoustic Wave(Filter) |
| CRT | Cathode Ray Tube | SIF | Sound Intermediate Frequency |
| CW | Continuous Wave | SMPS | Switching Mode Power Supply |
| DC | Direct Current | S/N | Signal/Noise |
| DVM | Digital Volt Meter | SW | Switch |
| EIA | Electronics Industries Association | TP | Test Point |
| ESD | Electrostatic Discharge | TTL | Transistor Transistor Logic |
| ESD | Electrostatically Sensitive Device | TV | Television |
| FBP | Feedback Pulse | UHF | Ultra High Frequency |
| FBT | Flyback Transformer | UL | Underwriters Laboratories |
| FF | Flip-Flop | UV | Ultraviolet |
| FM | Frequency Modulation | VCD | Variable-Capacitance Diode |
| FS | Fail Safe | VCO | Voltage Controlled Oscillator |
| GND | Ground | VCXO | Voltage Controlled Crystal Oscillator |
| G-Y | Green-Y | VHF | Very High Frequency |
| H | High | VIF | Video Intermediate Frequency |
| HF | High-Frequency | VR | Variable Resistor |
| HI-FI | High Fidelity | VTR | Video Tape Recorder |
| IC | Inductance-Capacitance | VTVM | Vacuum Tube Voltmeter |
| IC | Integrated Circuit | TR | Transistor |
| IF | Intermediate Frequency | | |

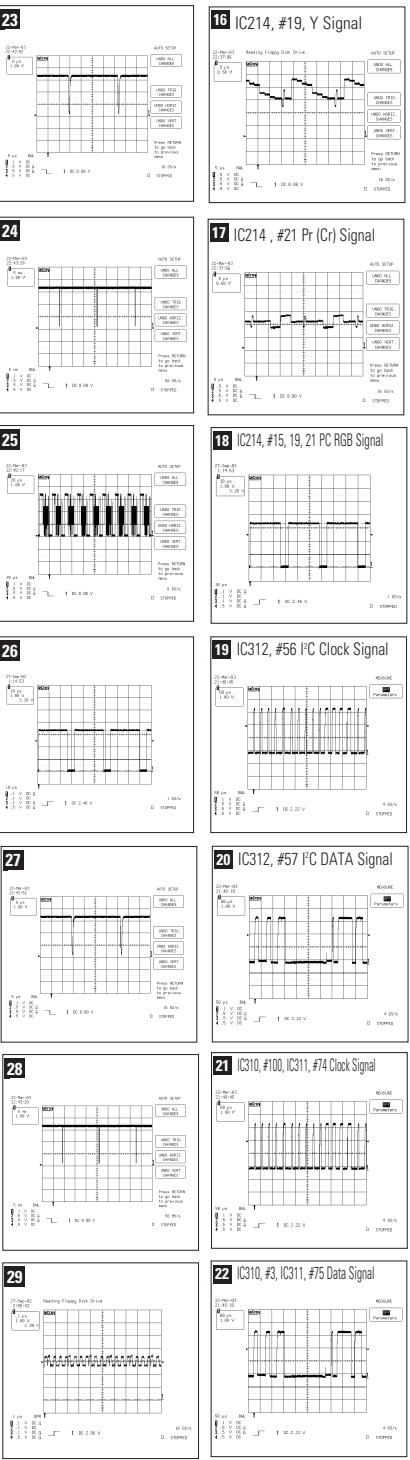
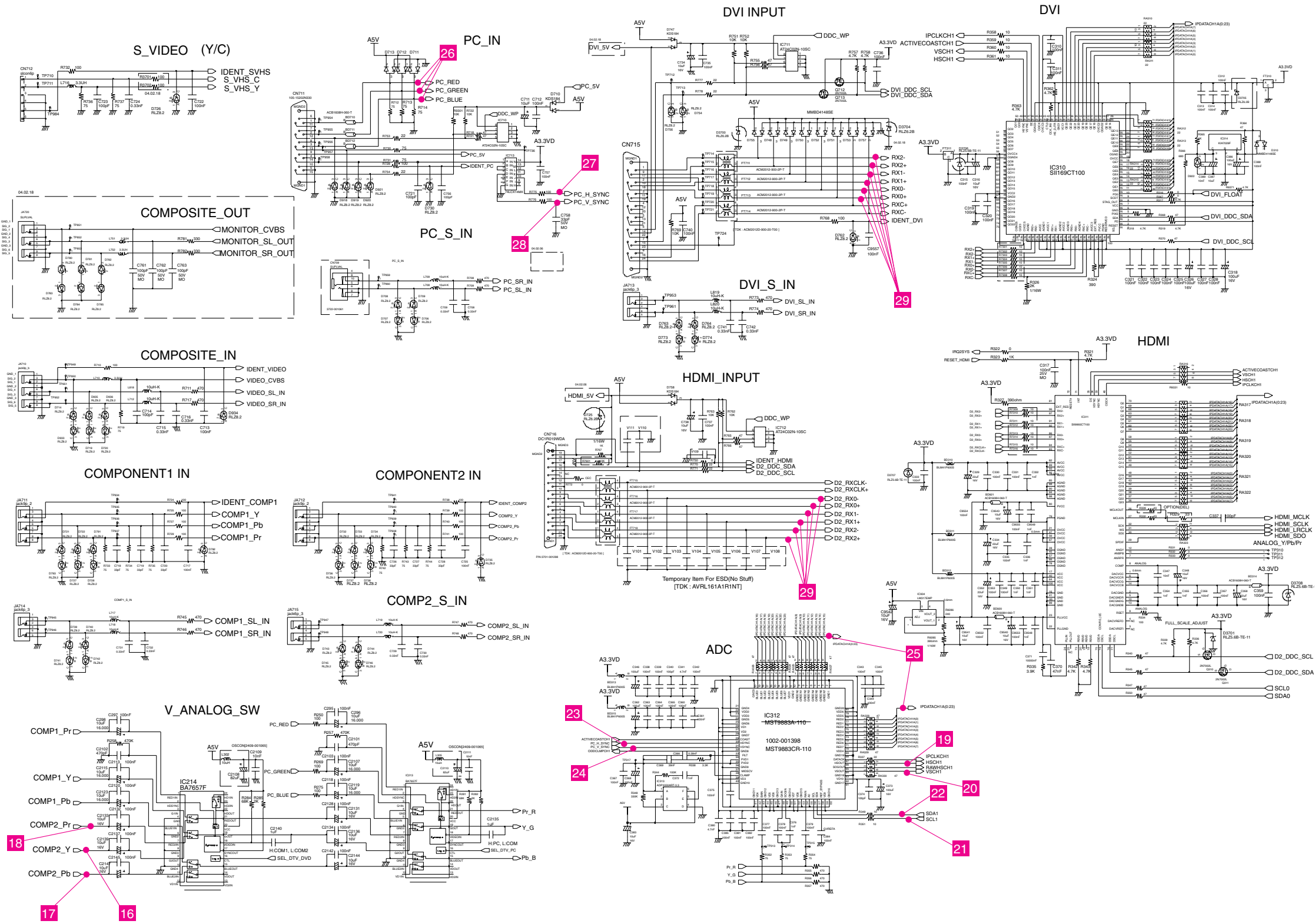
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11-1 POWER SOUND PROCESS Schematic Diagram



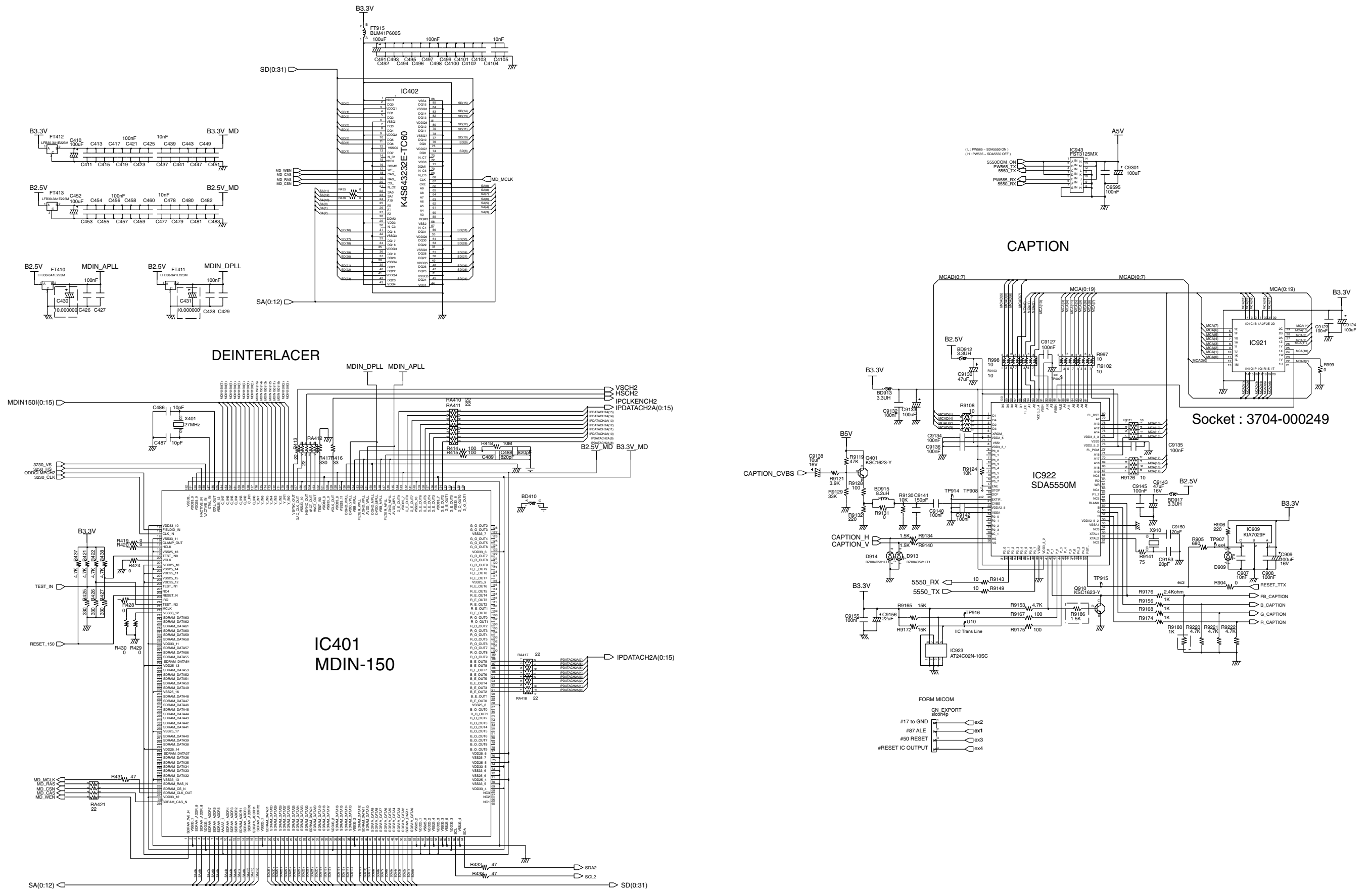
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11-3 AV INOUT SIGNAL PROCESS Schematic Diagram



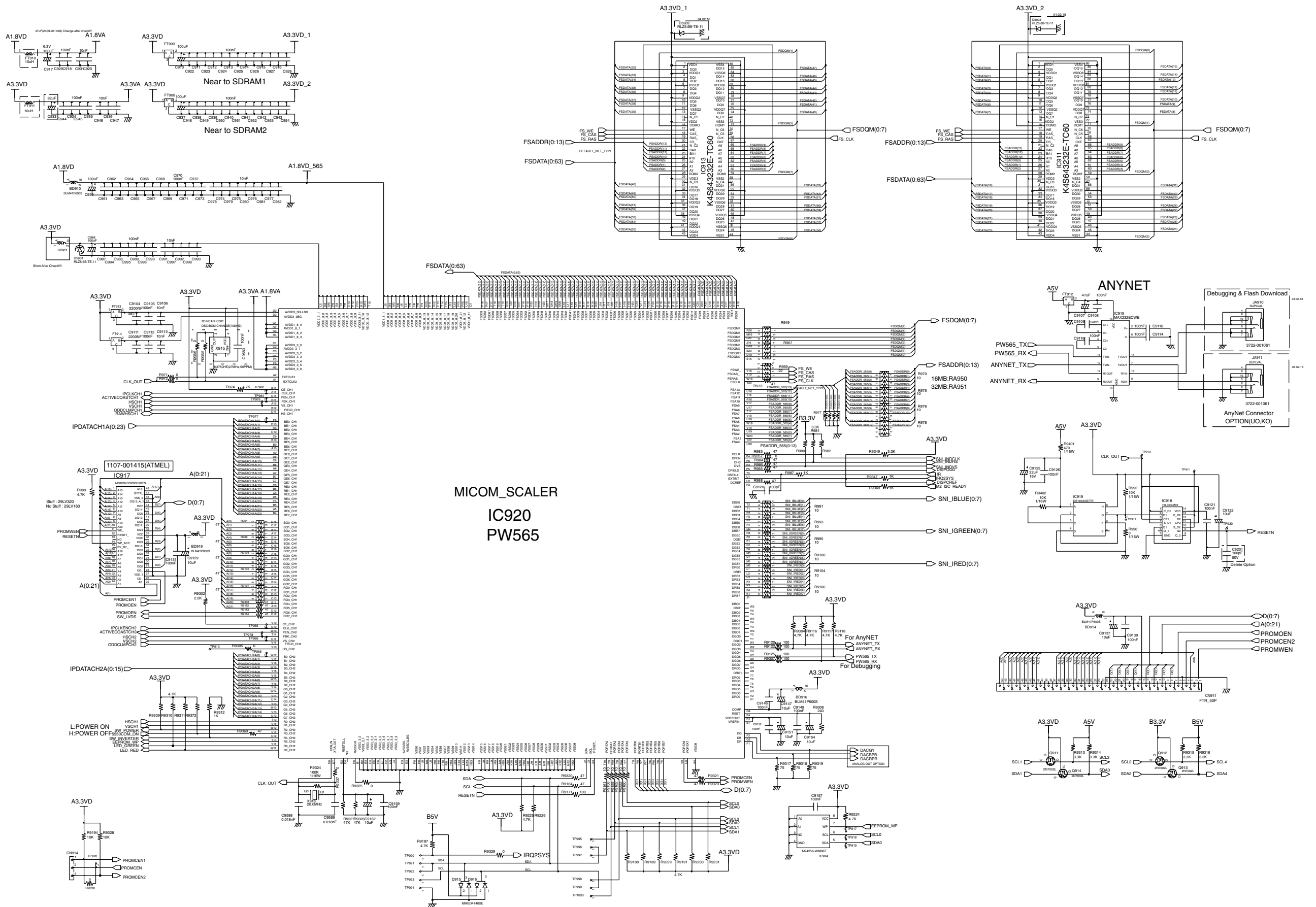
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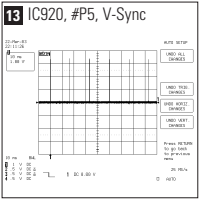
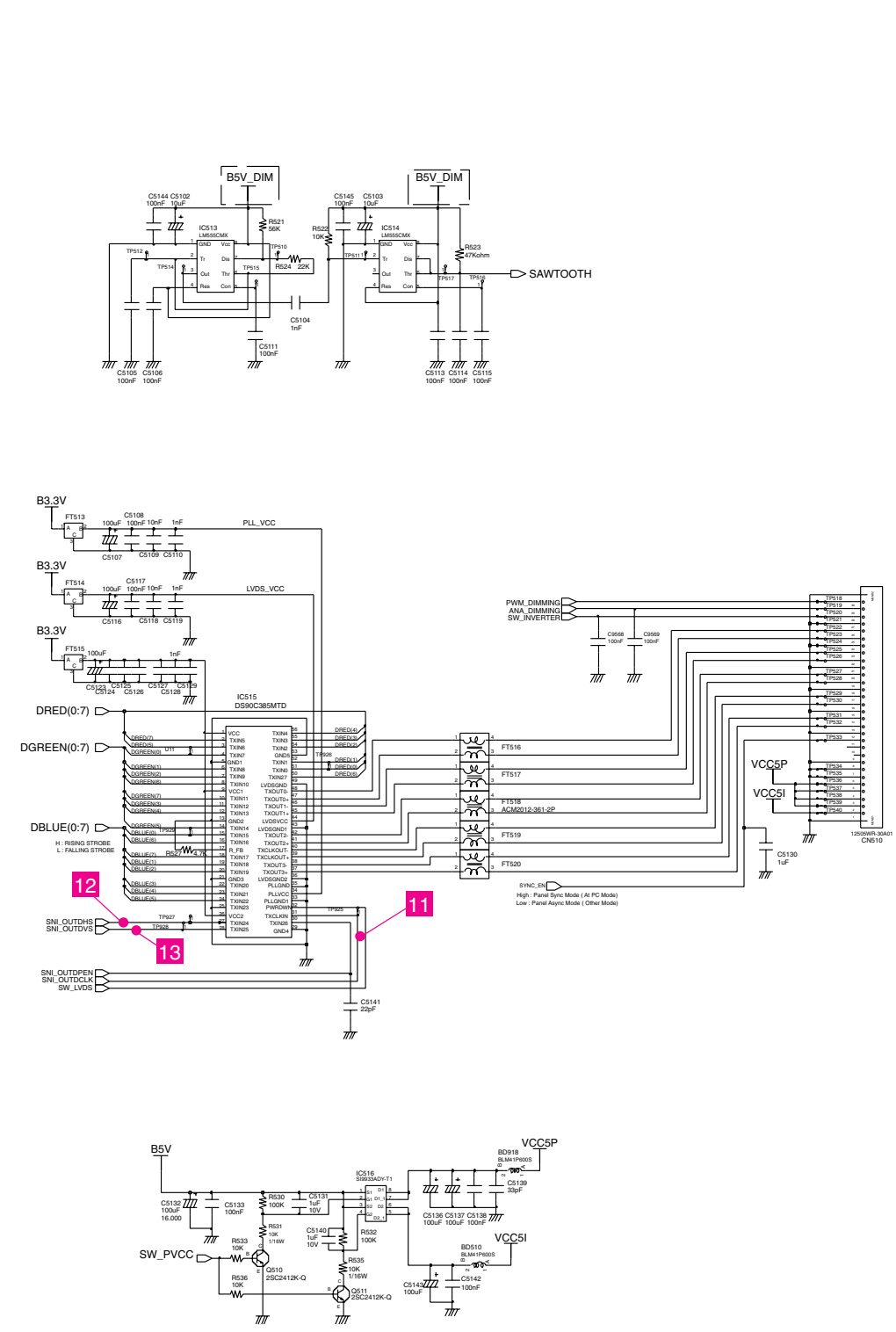
11-4 CAPTION, TTX DEINTERLACER, SUB_MICOM Schematic Diagram



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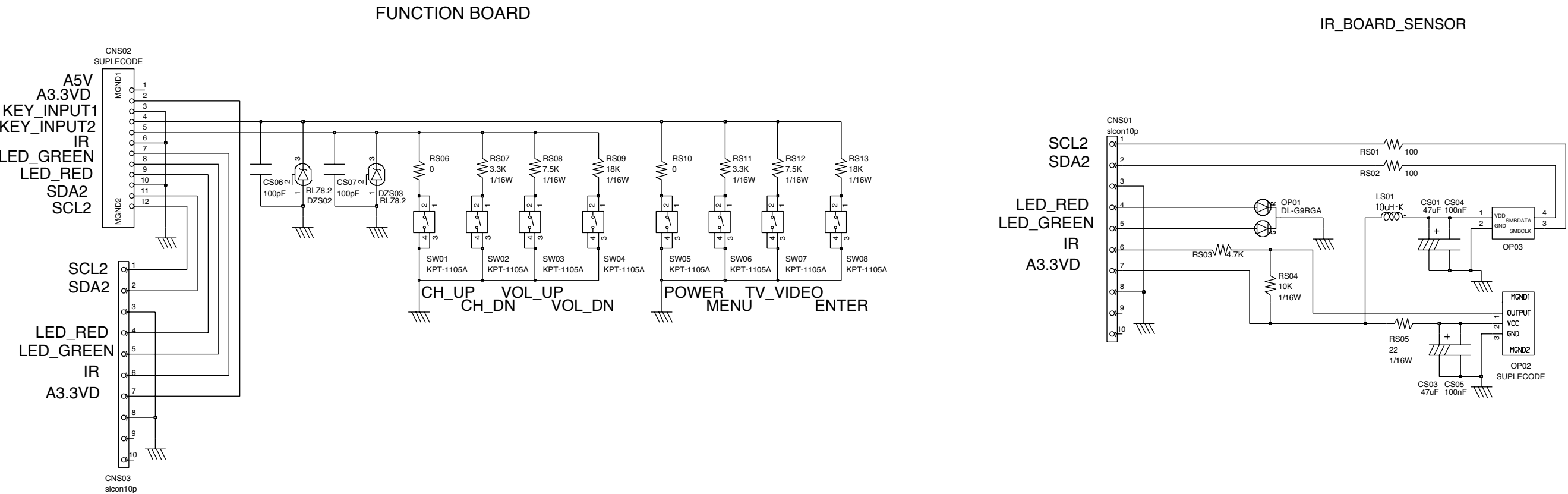
11-5 PW565_SCALER Schematic Diagram





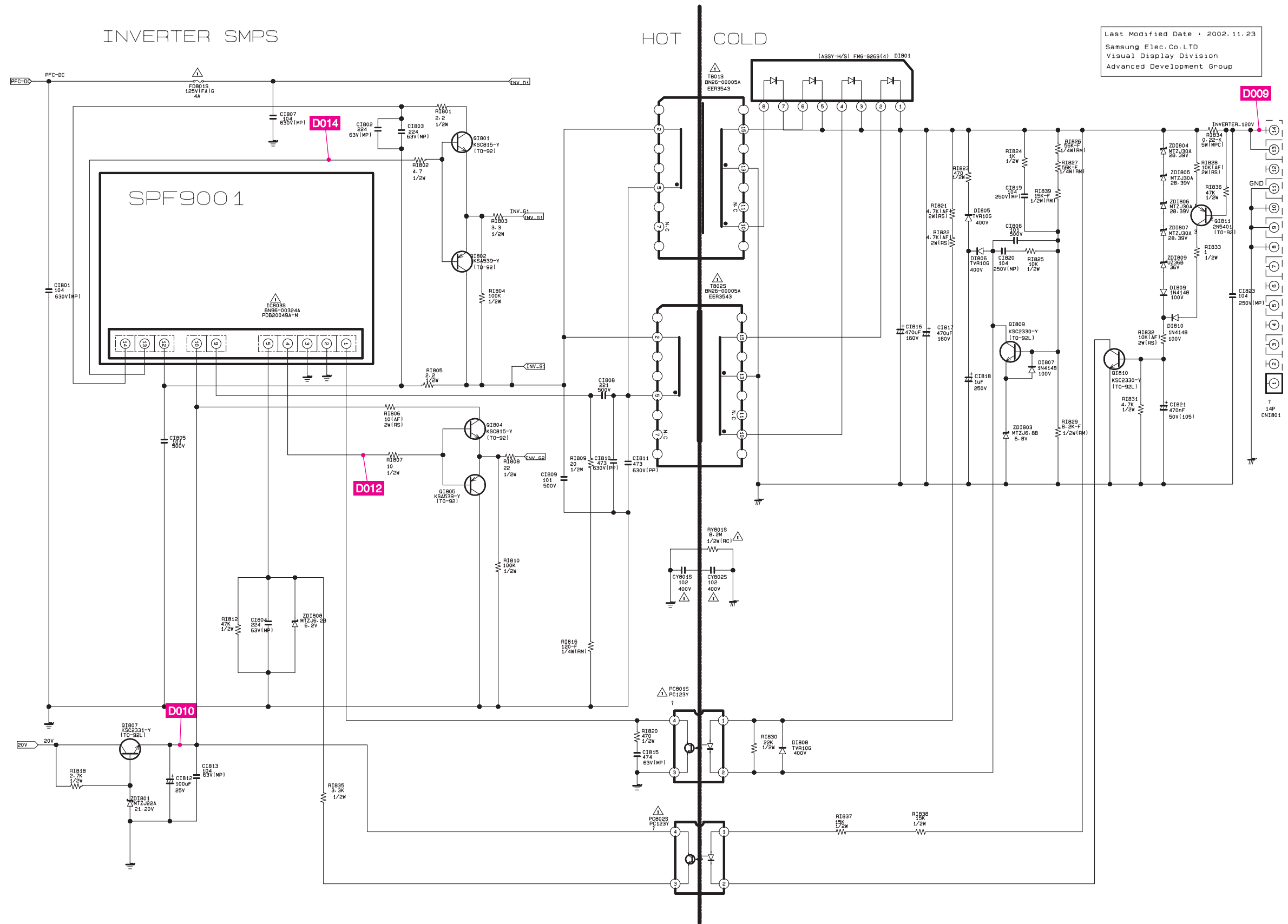
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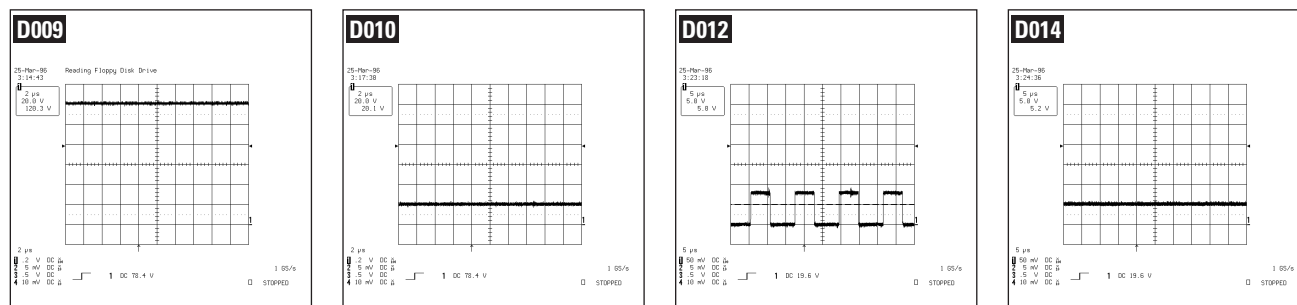
11-7 IR-FUNCTION Schematic Diagram

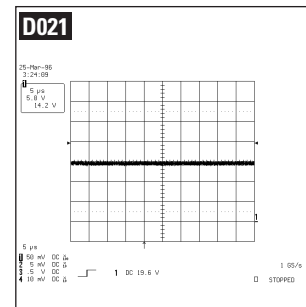
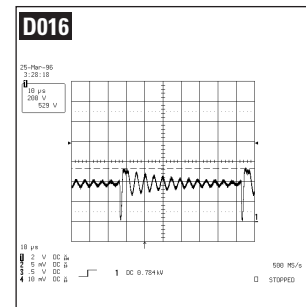
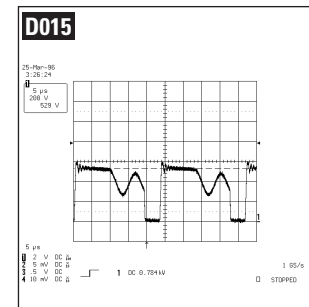
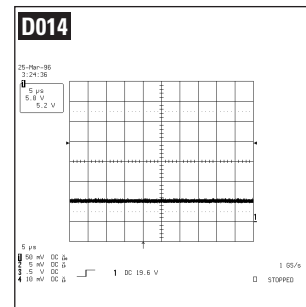
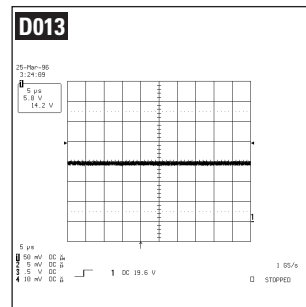


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11-8 Inverter Block Schematic Diagram

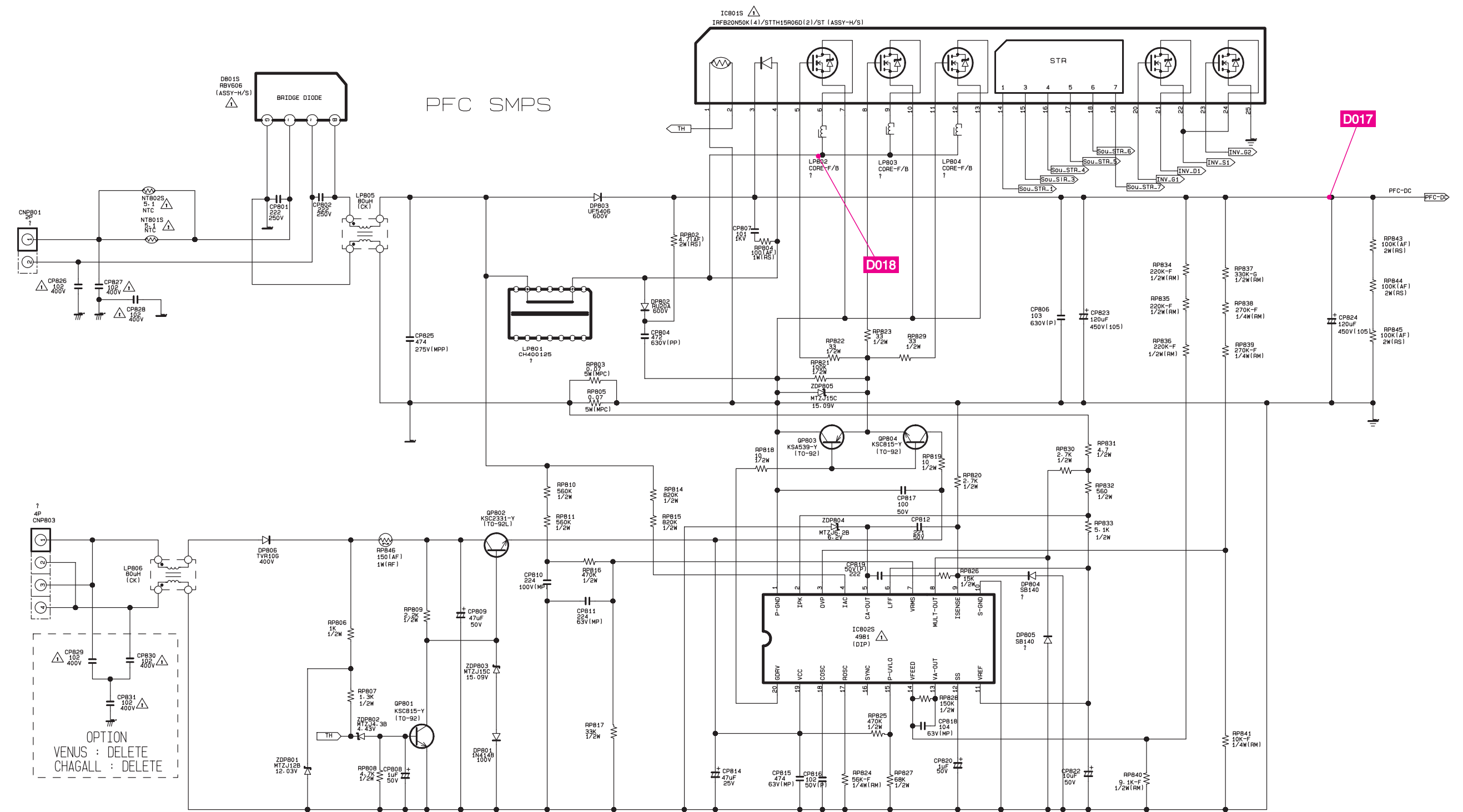




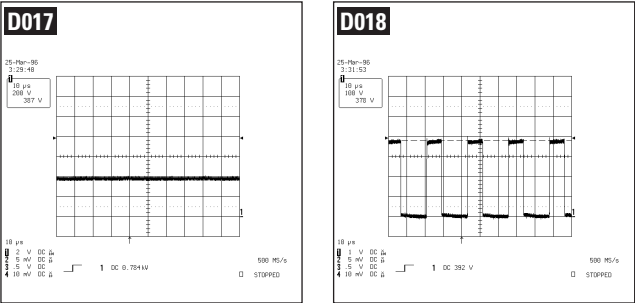


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11-10 PFC Block Schematic Diagram



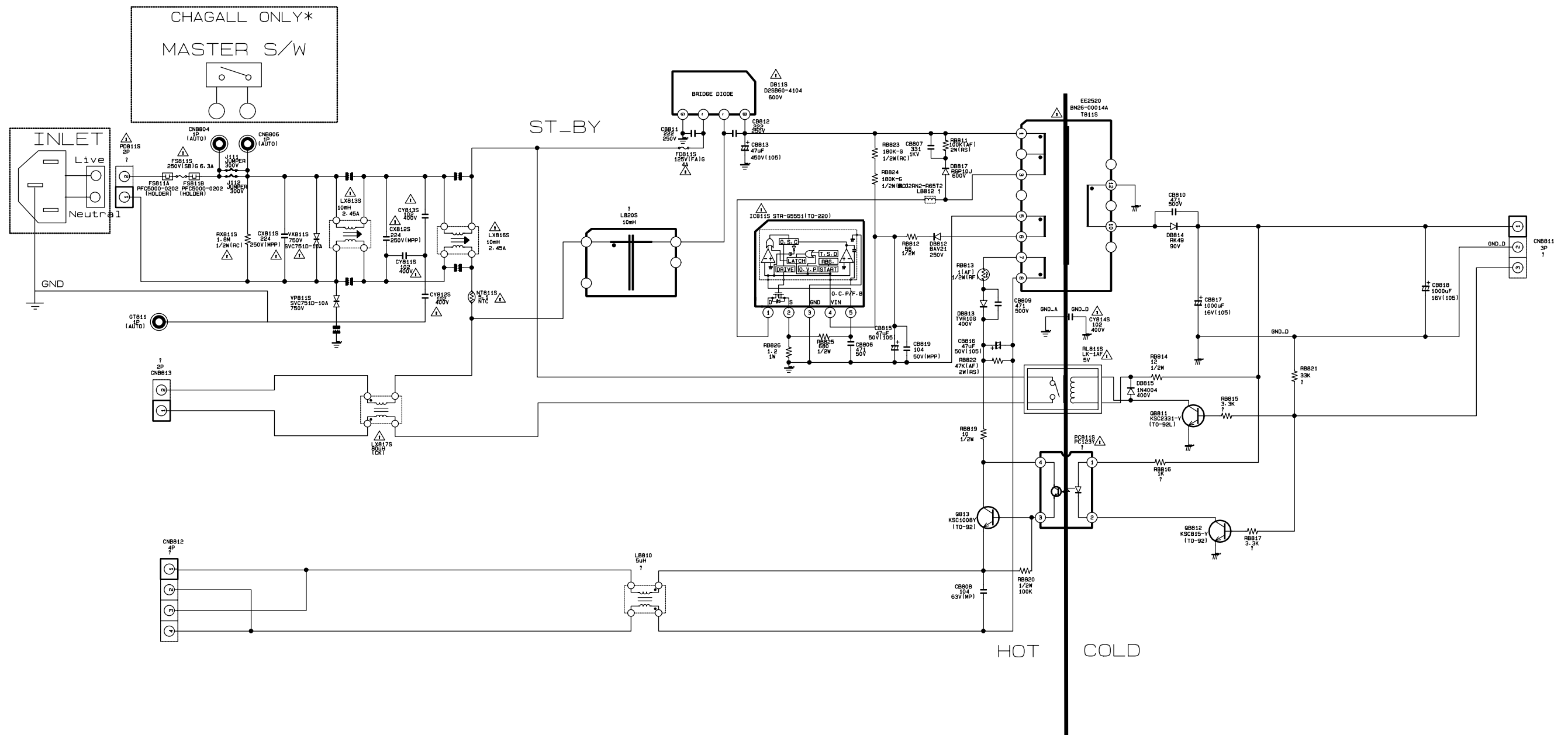
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Advanced Development Group



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11-11 SUB POWER Schematic Diagram

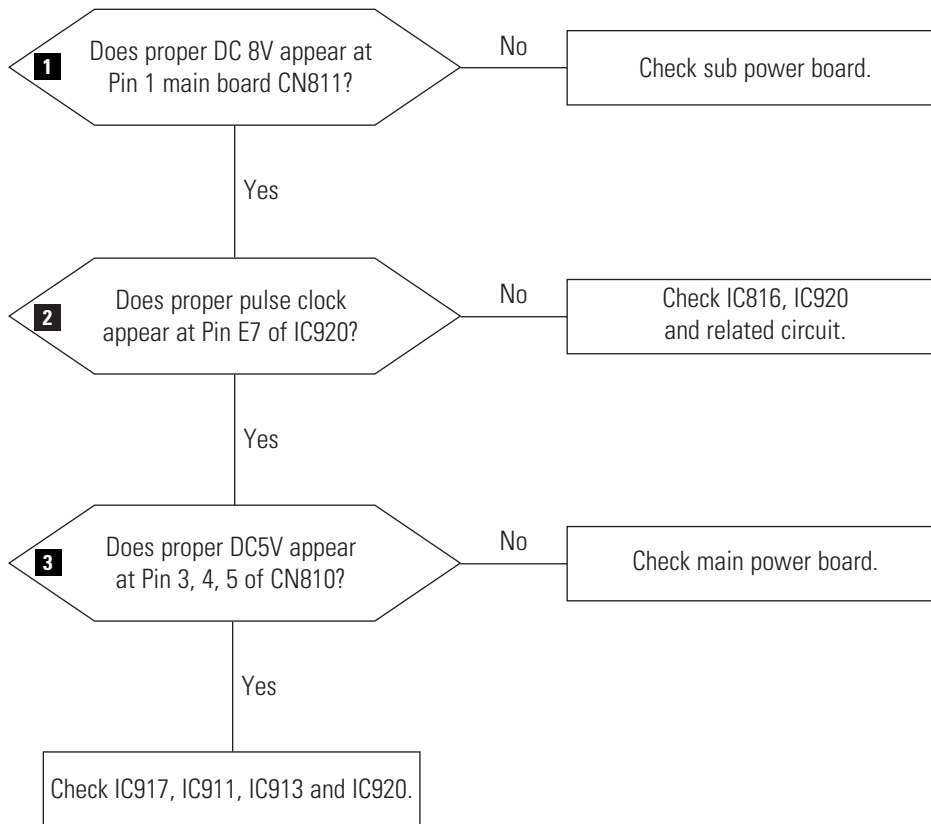
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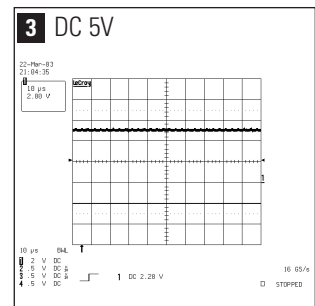
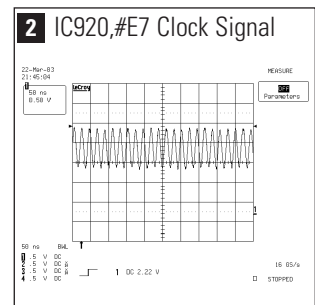
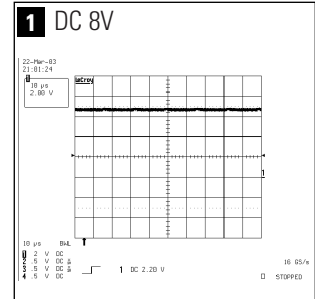
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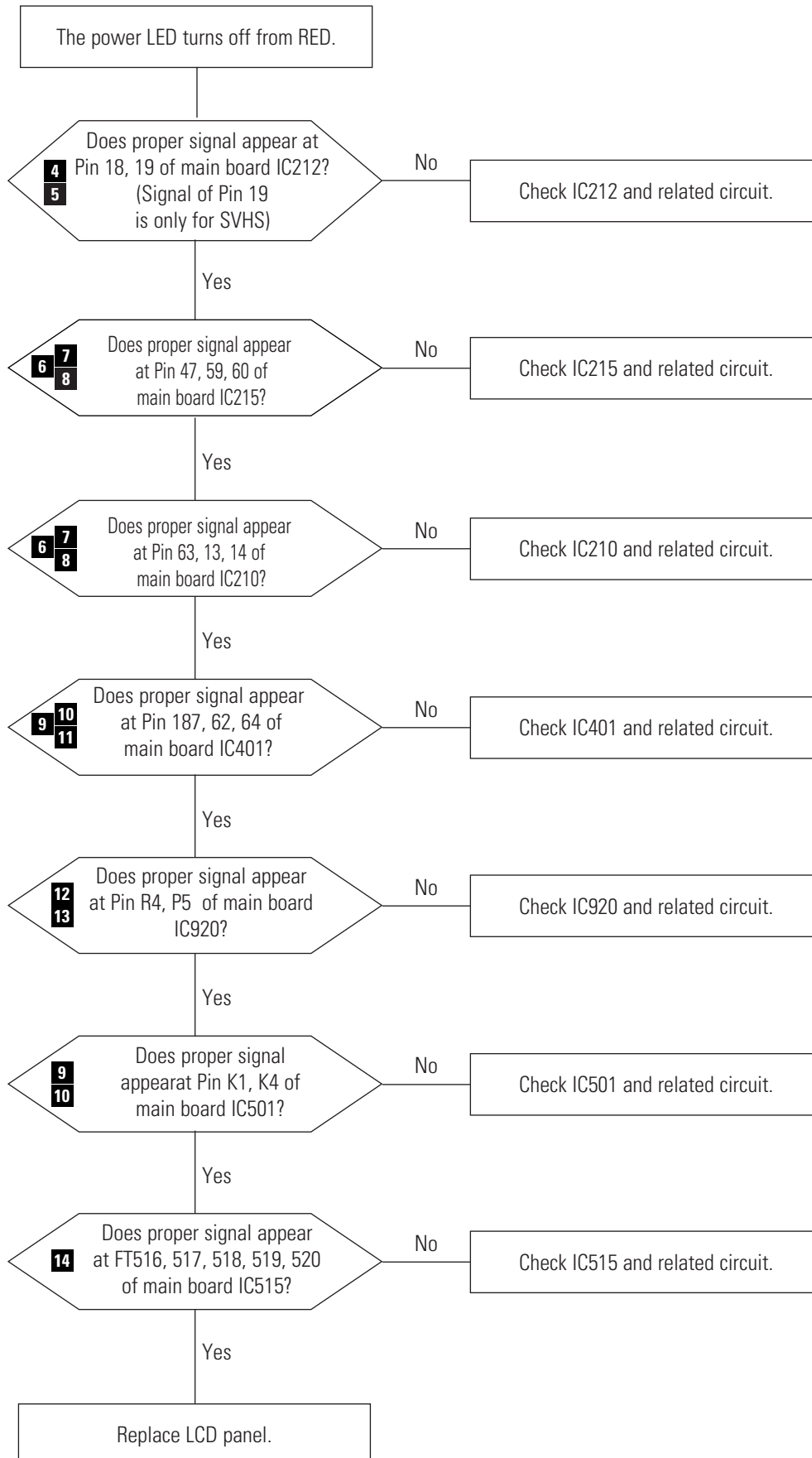
5 Troubleshooting

5-1 No Power



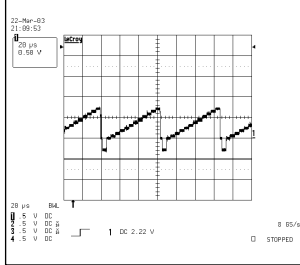
WAVEFORMS



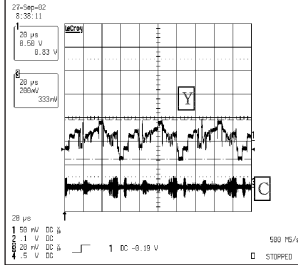
5-2 No Video (RF, COMPOSITE, S-Video)

WAVEFORMS

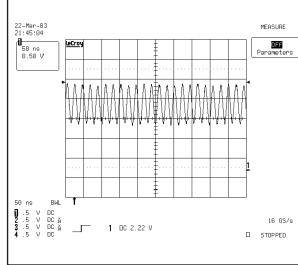
4 IC212, #18 CVBS Signal (RF, AV3)



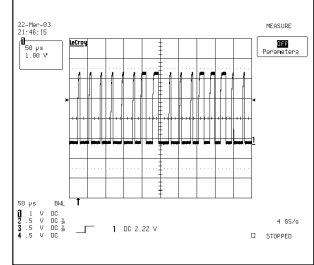
5 IC212, #18, 19, Y Signal (S-Video)



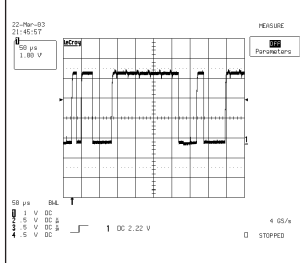
6 IC210, #63 Clock Signal



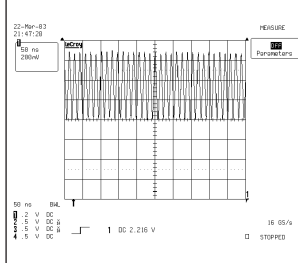
7 IC210, #13 I²C Clock Signal



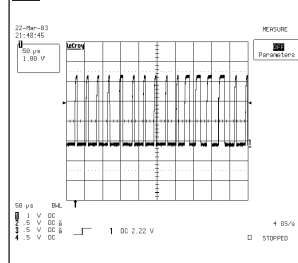
8 IC210, #14 I²C Data Signal



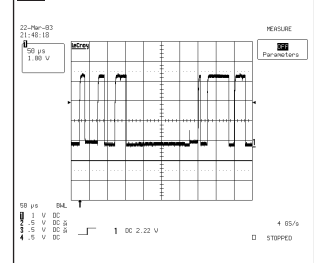
9 IC401, #187, IC501, #K4 Clock Signal



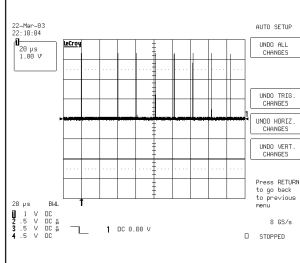
10 IC401, #62, IC501, #K1 I²C Clock Signal



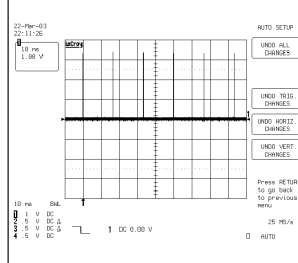
11 IC401, #64 I²C Data



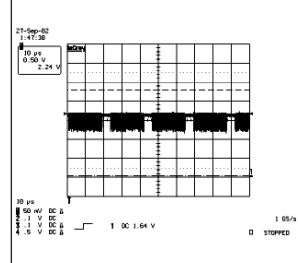
12 IC920, #R4, H-Sync

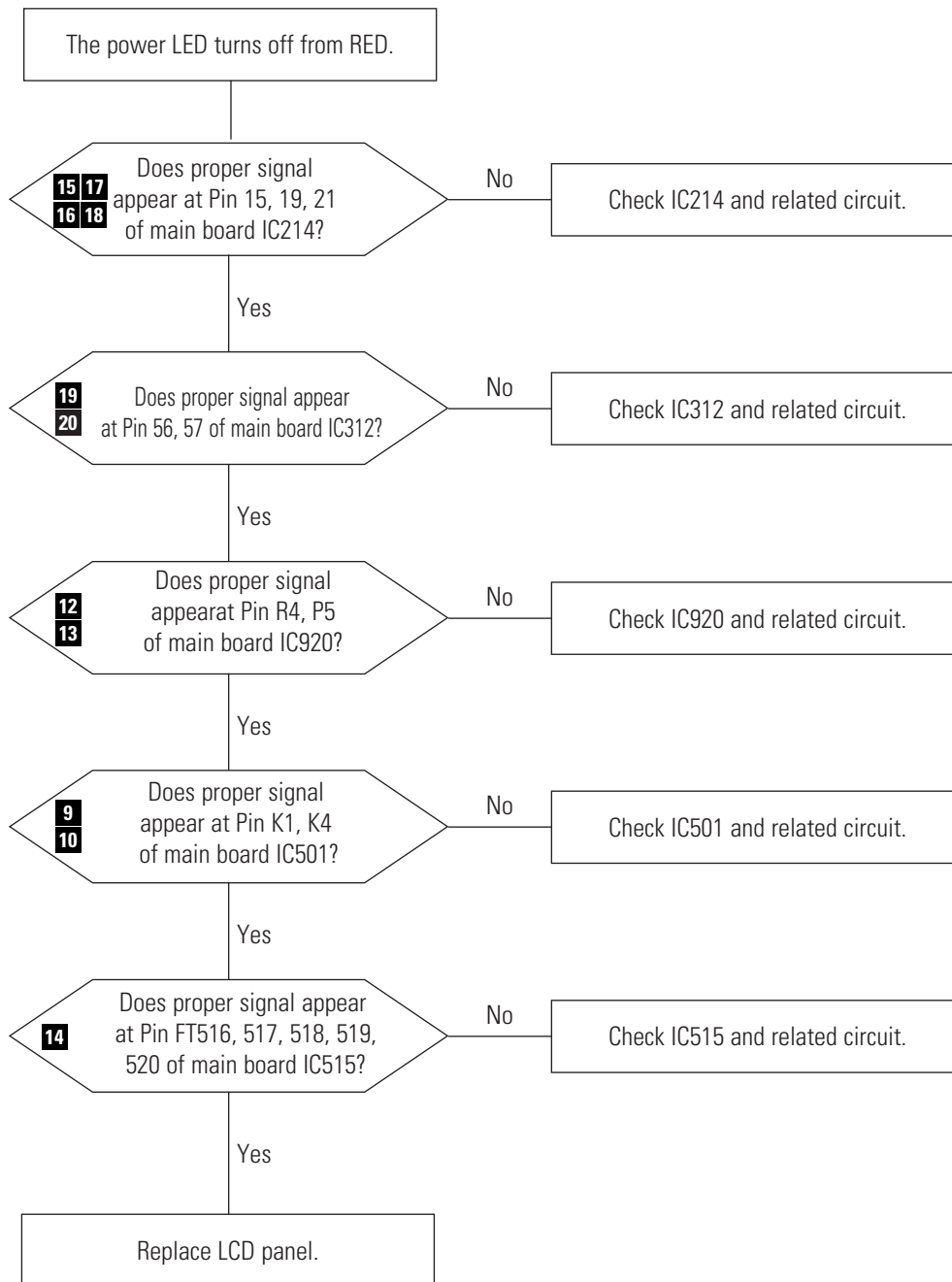


13 IC920, #P5, V-Sync

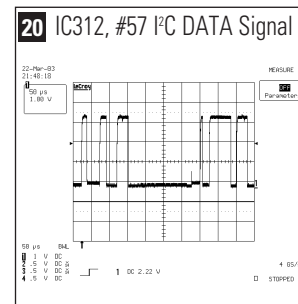
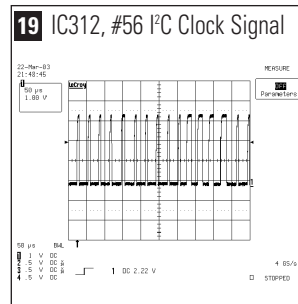
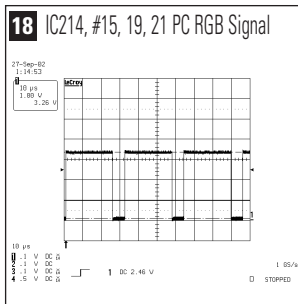
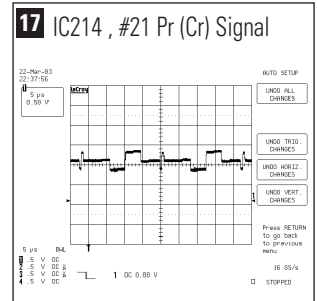
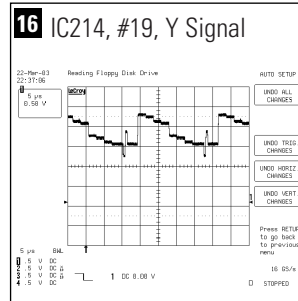
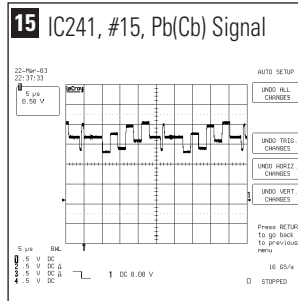
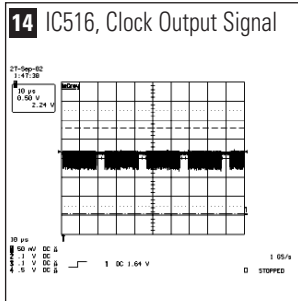
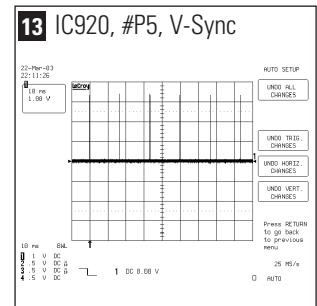
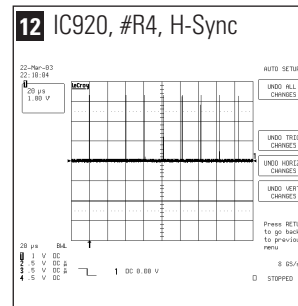
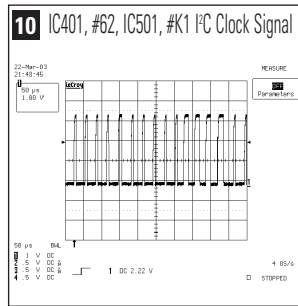
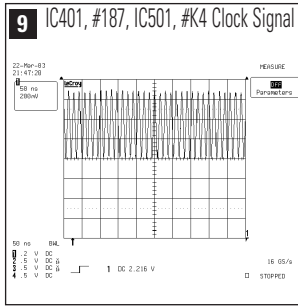


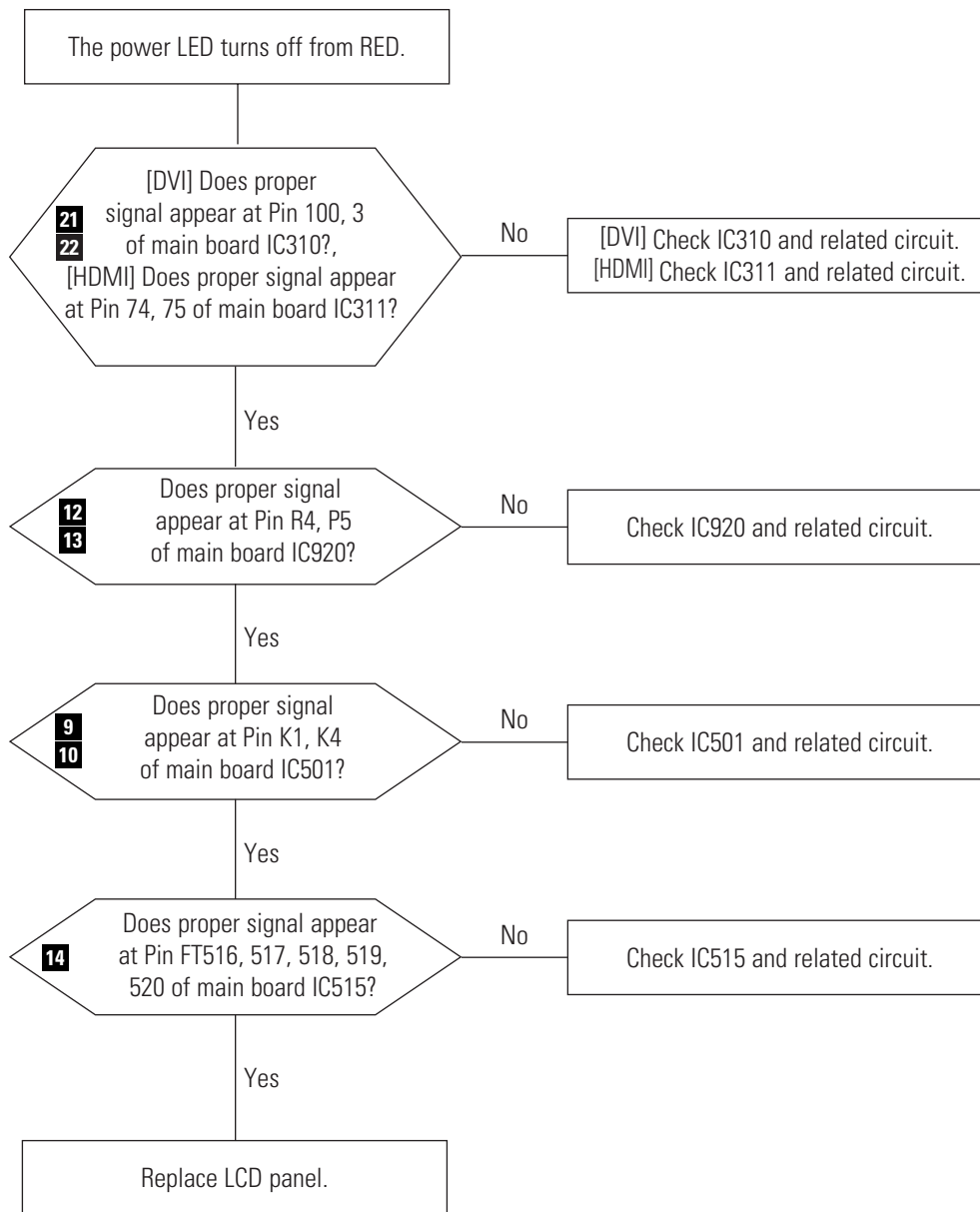
14 IC516, Clock Output Signal



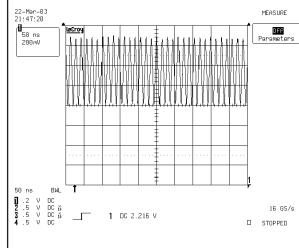
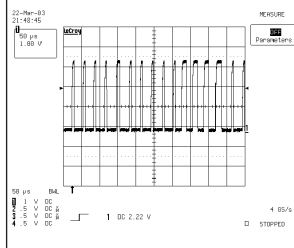
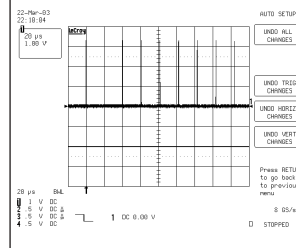
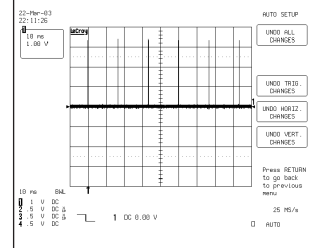
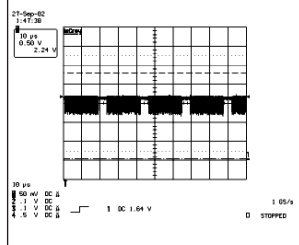
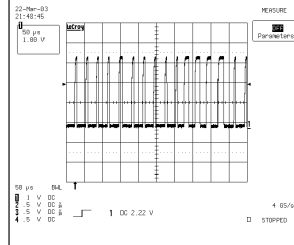
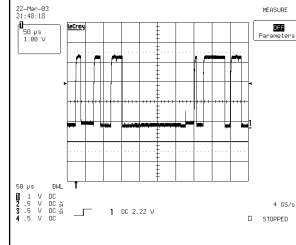
5-3 No Video (COMPONENT, PC)

WAVEFORMS



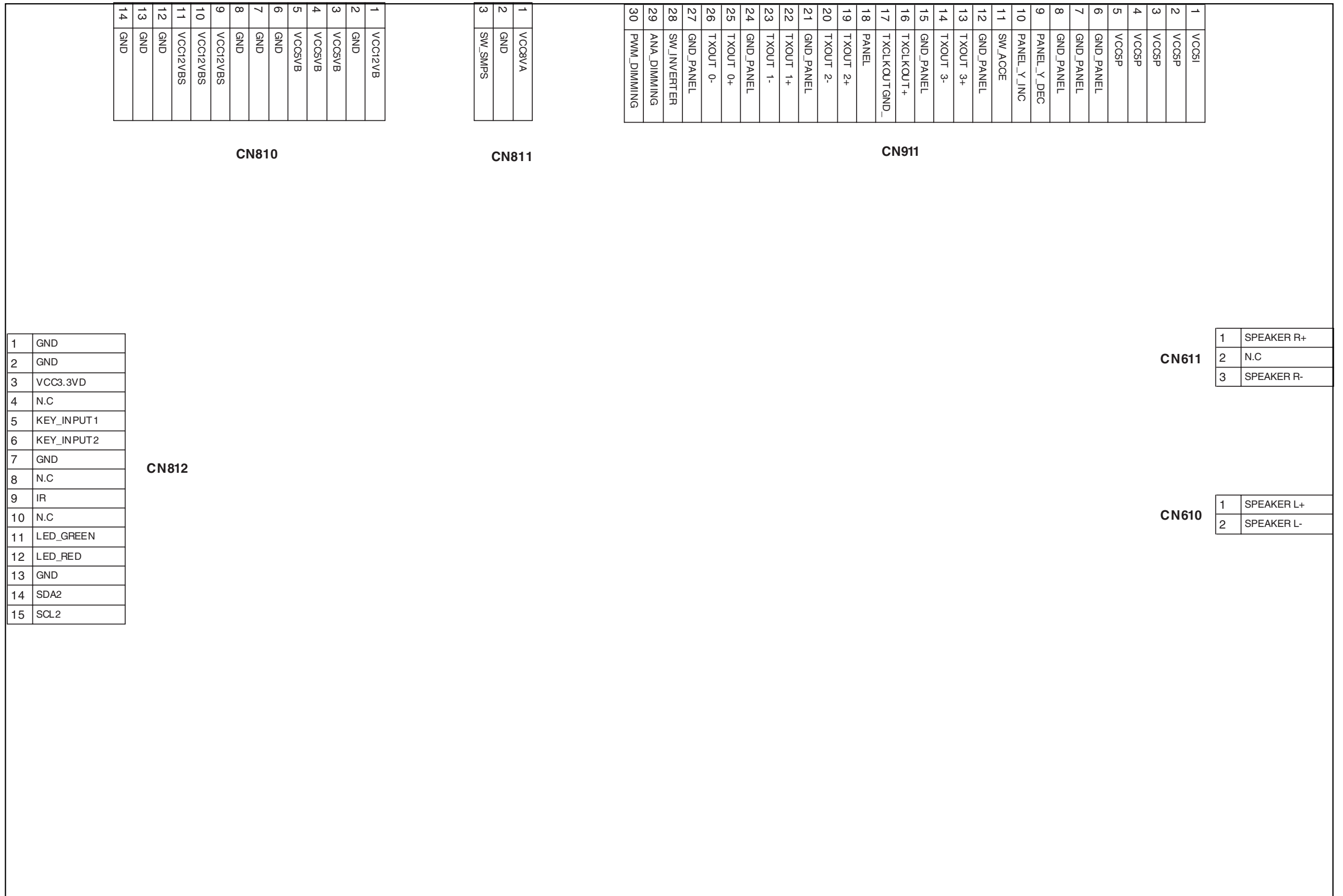
5-4 No Video (DVI, HDMI)

WAVEFORMS

9 IC401, #187, IC501, #K4 Clock Signal

10 IC401, #62, IC501, #K1 I²C Clock Signal

12 IC920, #R4, H-Sync

13 IC920, #P5, V-Sync

14 IC516, Clock Output Signal

21 IC310, #100, IC311, #74 Clock Signal

22 IC310, #3, IC311, #75 Data Signal


Memo

9 Wiring Diagram



Memo