DAEWOO

# Service Manual

## XGA COLOR MONITOR

**Model :**
**L700C/L700CM**
**L701C/L701CM**
**L700CAV**

**DAEWOO ELECTRONICS CO., LTD.**

*http : //svc.dwe.co.kr* *Sept, 2002*

# CONTENTS

# SAFETY PRECAUTIONS

**CAUTION**: No modifications of any circuits should be attempted. Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines.

## ◆ Safety Check

Care should be taken while servicing the inverter that generates the high voltage to lighten CCFL of the LCD panel.

## ◆ Fire & Shock Hazard

- Insert an isolation transformer between the analog color display and AC power line before servicing the chassis.
- When servicing, pay close attention to the original lead dress especially in the high voltage circuit area; if a short circuit is found, replace all parts which have been overheated as a result of the short circuit.
- All the protective devices must be reinstalled per original design.
- Soldering must be inspected for possible cold solder points, frayed leads, damaged insulation, solder splashes or sharp solder points. Be certain to remove all foreign materials.

# GENERAL SAFETY INFORMATION

## ◆ Terms in the manual

CAUTION Statements identify conditions or practices that could result in damage to the equipment or other property.

WARNING Statements identify conditions or practices that could result in personal injury or loss of life.

## ◆ Terms as marked on equipment

CAUTION Statements indicate a personal injury hazard not immediately accessible as one reads the marking or a hazard which is properly included on the equipment itself.

WARNING Statements are clearly concerning indicated personal injury hazards.

## ◆ Symbols in the manual

The symbols indicate where applicable cautionary or other information is to be found.

## ◆ Symbols as marked on equipment

Protective GROUND terminal

## ◆ High Voltage Warning And Critical Component Warning Label

The following warning label is on the inverter isolation case.

# SERVICING PRECAUTIONS

**CAUTION:** Before servicing instruments covered by this service manual, its supplements, and addendum, please read and follow the SAFETY PRECAUTIONS of this manual.

**NOTE:** If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 1 of this manual, always follow the safety precautions. Remember: Safety First.

## ◆ General Servicing Precautions

1. Always unplug the AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board, module, or any other instrument assembly.
   b. Disconnecting or reconnecting any electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

   **CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in a explosion.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM. etc.) equipped with a suitable high voltage probe. Do not test high voltage by “drawing an arc”.

3. Do not any spray chemicals on or near this instrument, or any of its assemblies.

4. Unless otherwise specified in this service manual, only clean electrical contacts by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick, or comparable nonabrasive applicator: 10% (by volume) Aceton and 90% (by volume) isopropyl alchohol (90%-99% strength).

   **CAUTION**: This is a flammable mixture. Unless specified in this service manual, lubrication of contacts is not required.

5. Do not apply AC power to this instrument and/or any other of its electrical assemblies unless all the solid-state device heat sinks are correctly installed.

6. Always connect the test instrument ground lead to the appropriate instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

7. Only use the test fixtures specified in this service manual with this instrument.

## ◆ Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity.
Such components are commonly called Electrostatically Sensitive (ES) Devices.
The typical examples of ES devices are integrated circuits, some field-effect transistors, and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, wipe off any electrostatic charge on your body by touching any known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device which should be removed for potential shock reasons prior to applying power to the unit under testing conditions.

2. After removing the electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil to prevent electrostatic charge buildup or exposure to the assembly.

3. Only use a grounded-tip soldering iron to solder or unsolder ES devices.

4. Only use an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate enough electrical charges to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate enough electrical charges to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).

7. Immediately before removing the protective material from the leads of replacement ES devices, touch the protective material to the chassis or circuit assembly into which the device will be installed.

> **CAUTION:** Be sure that no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily movements when handling unpackaged replacement ES devices. (Otherwise harmful motion such as the brushing together clothes fabric or the lifting your foot from a carpeted floor can generate enough static electricity to damage ES devices).

## ◆ General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron with appropriate tip size and shape that will maintain tip temperature between a 550°F-660°F (288°C-316°C) range.

2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.

3. Keep the soldering iron tip clean.

4. Throughly clean the surface to be soldered. Use a small wire-bristle (0.5 inch or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.

5. Use the following soldering technique:
   a. Allow the soldering iron tip to reach normal temperature (550°F to 660°F or 288°C to 316°C)
   b. Hold the soldering iron tip and solder strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there until the solder flows onto and around both the component lead and the foil.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

> **CAUTION**: Work quickly to avoid overheating the circuit board printed foil.

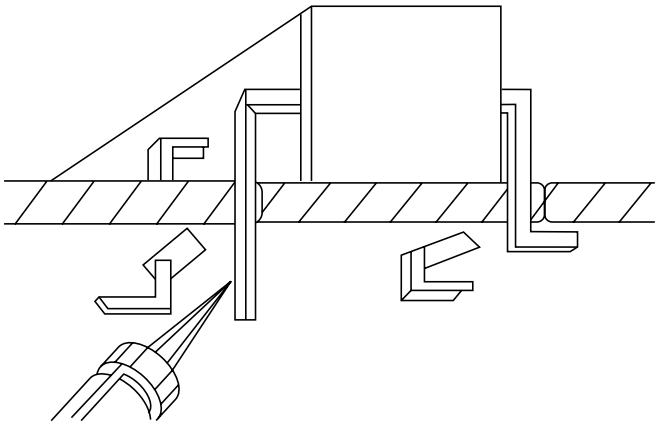


FIGURE 1. USE SOLDERING IRON TO PRY LEADS

## ◆ IC Removal/Replacement

Some utilized chassis circuit boards have slotted (oblong) holes through which the IC leads are inserted and then bent flat against the circuit foil. When holes are slotted, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 on the page under the title of general soldering guidelines.

## ◆ Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with desoldering braid before removing the IC.

## ◆ Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (lt is not necessary to reapply acrylic coating to the area).

## ◆ “Small-Signal” Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend the ends of each of three leads remaining on the circuit board into a “U” shape.
3. Bend the replacement transistor leads into a “U” shape.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the “U” with long nose pliers to ensure metal-to-metal contact, then solder each connection.

## ◆ Power IC, Transistor or Devices Removal/Replacement

1. Heat and remove all solders from the device leads.
2. Remove the heatsink mounting screw (if applicable).
3. Carefully remove the device from the circuit board.
4. Insert new device in circuit board.
5. Solder each device lead and then clip off excess lead.
6. Replace heatsink.

## ◆ Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicularly to the circuit board.
3. Observing diode polarity, wrap each lead out of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect the solder joints of the two “original” leads on the circuit board copper side. If they are not shiny, reheat them and apply additional solder if necessary.

# TECHNICAL INFORMATION

| | | |
|---|---|---|
| Panel | Size | 17-inch (43.2 cm) diagonal |
| | Pixel Pitch | 0.264 x 0.264 mm |
| | Viewing Angle | 75°(Right/Left) |
| | | 70°(up), 70°(down) |
| | Contrast Ratio | 400:1 contrast ratio (typ) |
| | Brightness | 250cd/m$^2$ brightness (typ) |
| | Color Filter | RGB vertical stripe |
| Synchronization | Horizontal | 30 - 80 KHz |
| | Vertical | 56 - 77 Hz |
| Video Bandwidth | | 135 MHz |
| Max Resolution | | 1280 x 1024 @75Hz |
| Optimal Resolution | | 1280 x 1024 @60Hz |
| Colors | | 8 bit (16.7M Colors) |
| Display Area | | 337.9mm x 270.3mm |
| PC Input Signal | Sync | H/V separate (TTL) |
| | Video | 15 pin mini D-sub(Analog RGB) |
| | | DVI-D(Option) |
| AV Input Signal (L700CAV only) | Video | CVBS(RCA), S-Video(Mini-DIN) |
| | Audio | RCA Left+Right Input |
| | | Stereo Mini Jack Input & Output |
| TV Receiving Signal (Option) | TV Tuner | NTSC, PAL |
| External Speaker (L700CM/L701CM/L700CAV only) | Output | 4W(Left 2W+Right 2W) |
| Plug and Play | | VESA DDC Compatible |
| Power Source | | 100-240 Vac, 50/60 Hz (Free Voltage) |
| Power Consumption | | 45 W (without speaker) |
| Dimension-W x H x D | | 420 x 398 x 194 mm (with stand) |
| (without speaker) | | 420 x 360 x 68 mm (without stand) |
| Weight-net/gross | | 6.2/7.6 Kg(13.6/16.7 lbs) |
| Power Saving | | EPA, VESA DPMS, Nutek Compliant |
| Tilt Range | | 5° forward, 30° backward |
| Operating Temperature | | 10 ~ 40°C /50 ~ 104°F |

# GENERAL INFORMATION

This TFT LCD monitor automatically scans all horizontal frequencies from 30KHz to 80KHz, and all vertical frequencies from 56Hz to 77Hz. This TFT LCD monitor supports IBM PC, PC/XT, PC/AT, personal System/2 (PS/2), Apple Macintosh, and compatible users crisp text and vivid color graphics display when using the following graphics adapters : (VGA, Super VGA, VESA, XGA, SXGA and Apple Macintosh Video Card). And so, this TFT LCD monitor has a maximum horizontal resolution of 1280 dots and a maximum vertical resolution of 1024 lines for superior clarity of display.

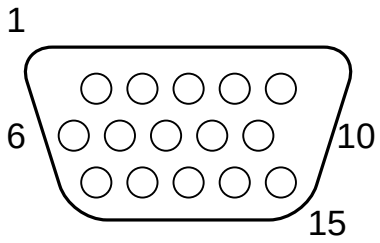
By accepting analog signal inputs which level is zero to 0.7 Volts. This TFT LCD monitor can display 16.7M colors depending on the graphics adapter and software being used.

## ◆ Abbreviations

| | |
|---|---|
| ADJ | Adjustment |
| AFC | Automatic Frequency Control |
| TFT-LCD | Thin Film Transistor Liquid Crystal Diplay |
| CCFL | Cold Cathode Fluorescent Lamp |
| H.SYNC | Horizontal Synchronization |
| OSC | Oscillator |
| P.S.U | Power Supply Unit |
| PWA | Printed Circuit Board Wiring Assembly |
| R.G.B | Red, Green, Blue |
| V.Sync | Vertical Synchronization |
| ADC | Analog Digital Converter |

# PIN CONNECTOR

| Pin | Signal |
|---|---|
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | GND |
| 5 | GND |
| 6 | GND - Red |
| 7 | GND - Green |
| 8 | GND - Blue |
| 9 | +5Vdc |
| 10 | GND - H.Sync |
| 11 | GND - V.Sync |
| 12 | Bi-directional Data (SDA) |
| 13 | Horizontal Sync |
| 14 | Vertical Sync (VCLK) |
| 15 | Data Clock (SCL) |




Arrangement of 15-pin D-sub connector

# CAUTIONS FOR ADJUSTMENT AND REPAIR

- The white balance adjustment has been done by a color analyzer in factroy. The adjustment procedure, described in the service manual is made by a visual check.
- Allow 20 minutes warm-up time for the display before checking or adjusting only electrical specification or function.
- Reform the leadwire after any repair work.

## ◆ Caution For Servicing

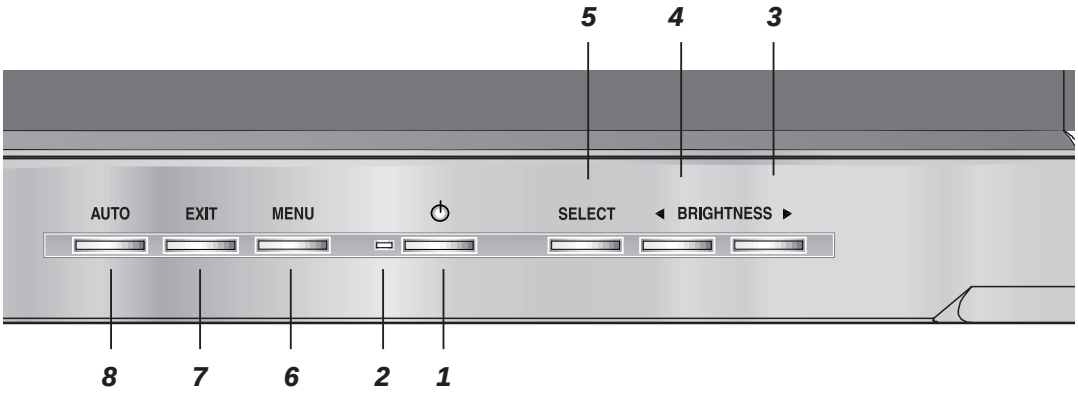
- In case of servicing or replacing inverter, high voltage sometimes remains in the output of the inverter. Completely discharge high voltage before servicing or replacing inverter to prevent a shock to the serviceman.

## << L700C/L700CM >>

## Control Panel

***1*** **POWER**
swithes the monitor on and off.

***2*** **POWER Indicator**
shows both normal operation and power management status with power indicator light.




***3*** ▶ (∗)
moves cursor to the right or low window in the OSD window and increases the value of any selected function.

***4*** ◀ (∗)
moves cursor to the left or high window in the OSD window and decreases value of any selected function.

***5*** **SELECT**
moves from top menu to sub menu in the OSD window and opens the function window for the selected icon.

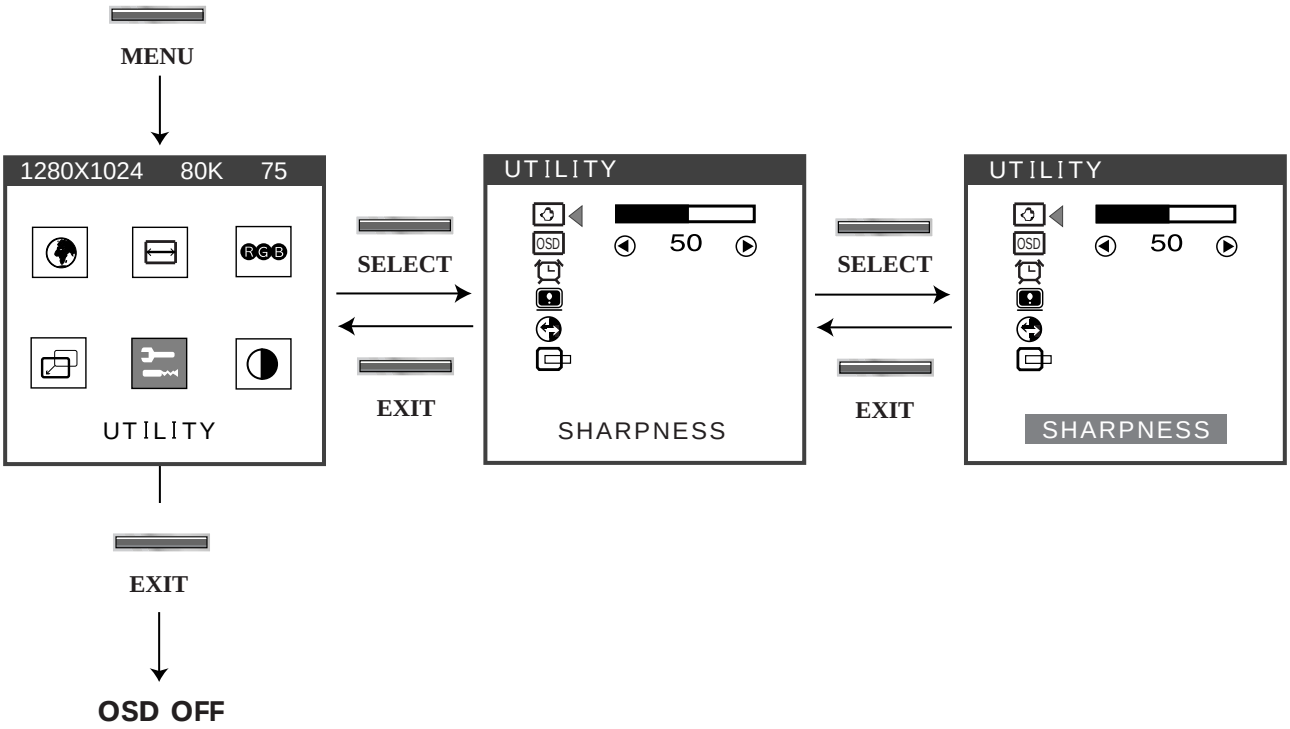
***6*** **MENU**
turns the OSD window on.

***7*** **AUTO** (∗)
launches the AUTO TRACKING function directly.

***8*** **EXIT**
turns the OSD (On-Screen Display) window off and moves from sub menu to top menu in the OSD window.

(∗) : Hot Key

## Key Process

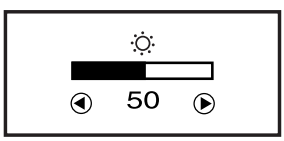



## HOT KEY

AUTO


- When there is no OSD, if you press this AUTO button, you can use the best display performance fit for a current mode.

◀ BRIGHTNESS ▶



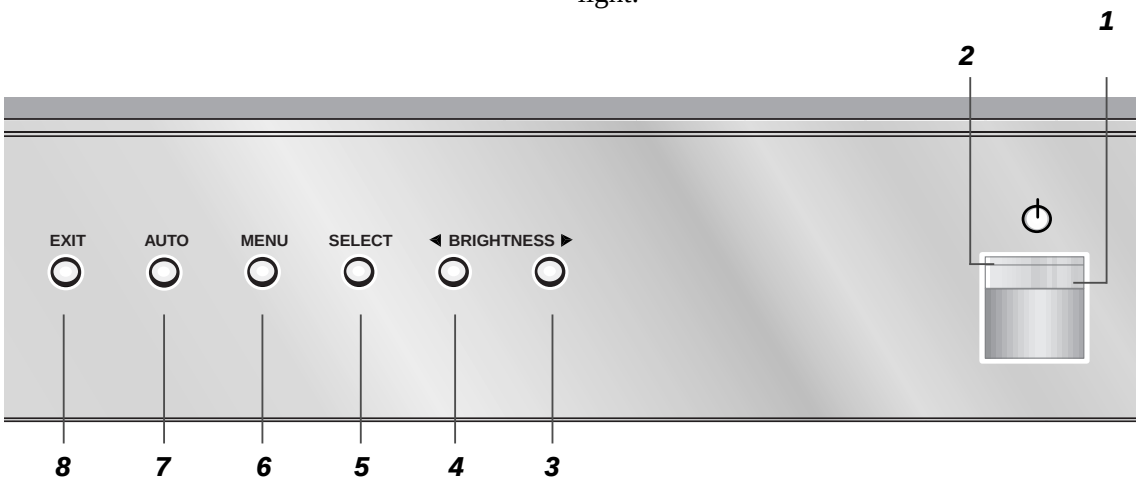

- When there is no OSD, if you press this BRIGHTNESS button, you can adjust the brightness directly.
  - ◀ : decreases brightness
  - ▶ : increases brightness

## << L701C/L701CM >>

## Control Panel

***1*** **POWER**
swithes the monitor on and off.

***2*** **POWER Indicator**
shows both normal operation and power management status with power indicator light.




***3*** ▶ (∗)
moves cursor to the right or low window in the OSD window and increases the value of any selected function.

***4*** ◀ (∗)
moves cursor to the left or high window in the OSD window and decreases value of any selected function.

***5*** **SELECT**
moves from top menu to sub menu in the OSD window and opens the function window for the selected icon.

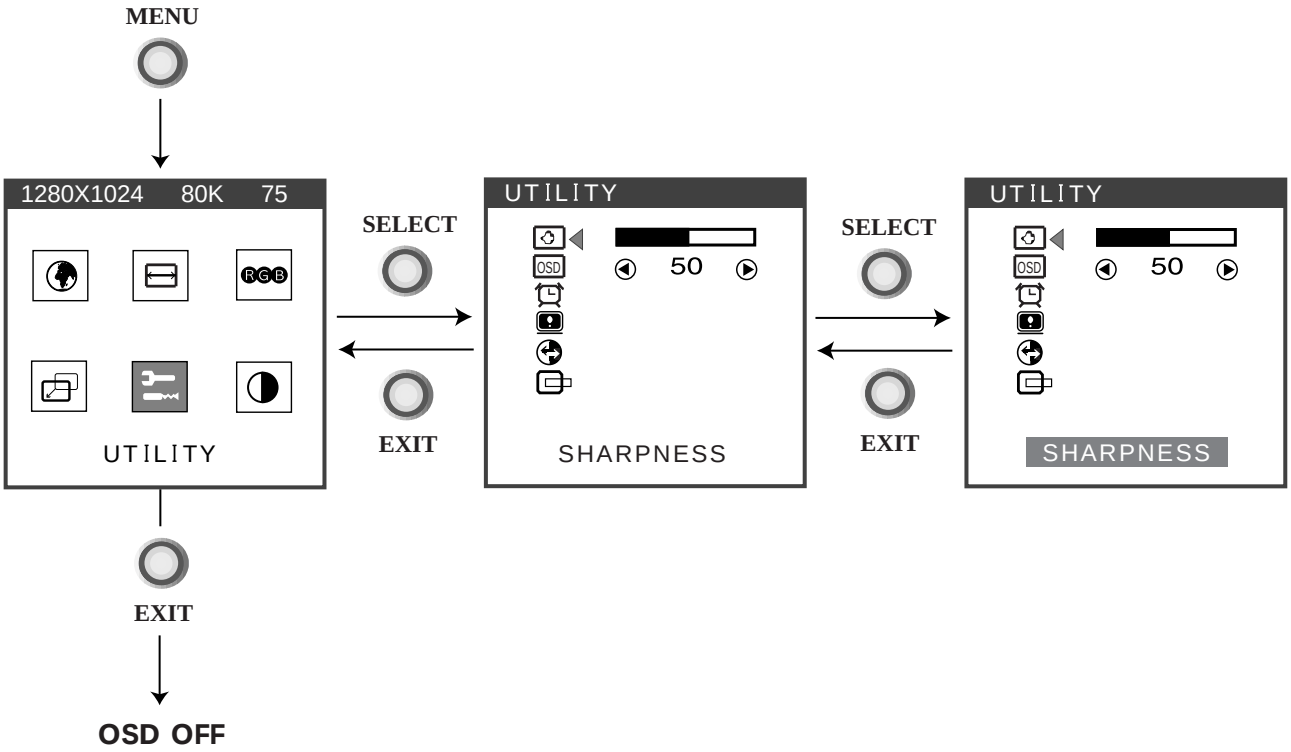
***6*** **MENU**
turns the OSD window on.

***7*** **AUTO** (∗)
launches the AUTO TRACKING function directly.

***8*** **EXIT**
turns the OSD (On-Screen Display) window off and moves from sub menu to top menu in the OSD window.

(∗) : Hot Key

## Key Process

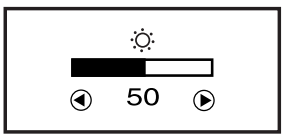



## HOT KEY

AUTO


- When there is no OSD, if you press this AUTO button, you can use the best display performance fit for a current mode.

◀ BRIGHTNESS ▶




- When there is no OSD, if you press this BRIGHTNESS button, you can adjust the brightness directly.
  - ◀ : decreases brightness
  - ▶ : increases brightness

## << L700CAV >>

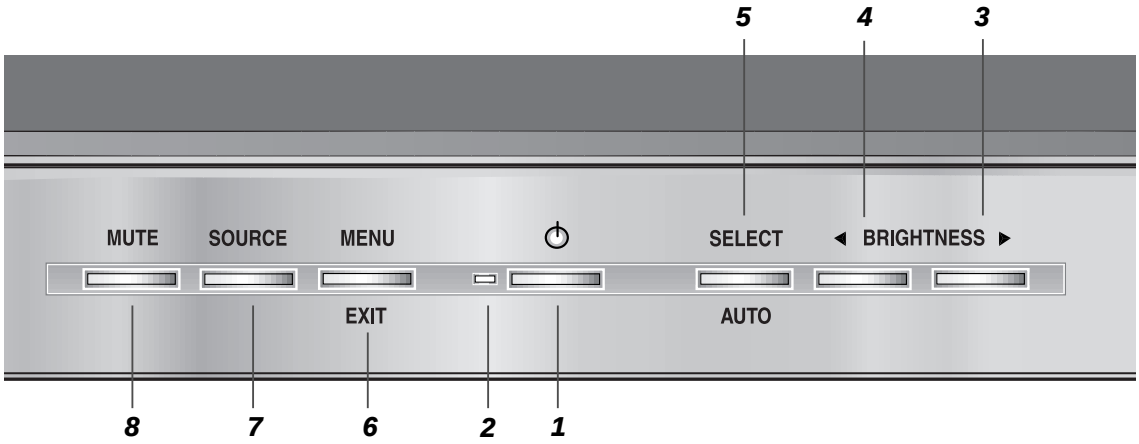
## Control Panel

***1*** **POWER**

swithes the monitor on and off.

***2*** **POWER Indicator**

shows both normal operation and power management status with power indicator light.




***3*** ▶ (∗)

moves cursor to the right or low window in the OSD window and increases the value of any selected function.

***4*** ◀ (∗)

moves cursor to the left or high window in the OSD window and decreases value of any selected function.

***5*** **SELECT**

moves from top menu to sub menu in the OSD window and opens the function window for the selected icon.

**AUTO** (∗)

launches the AUTO TRACKING function directly.

***6*** **MENU**

turns the OSD window on.

**EXIT**

turns the OSD (On-Screen Display) window off and moves from sub menu to top menu in the OSD window.

***7*** **SOURCE**

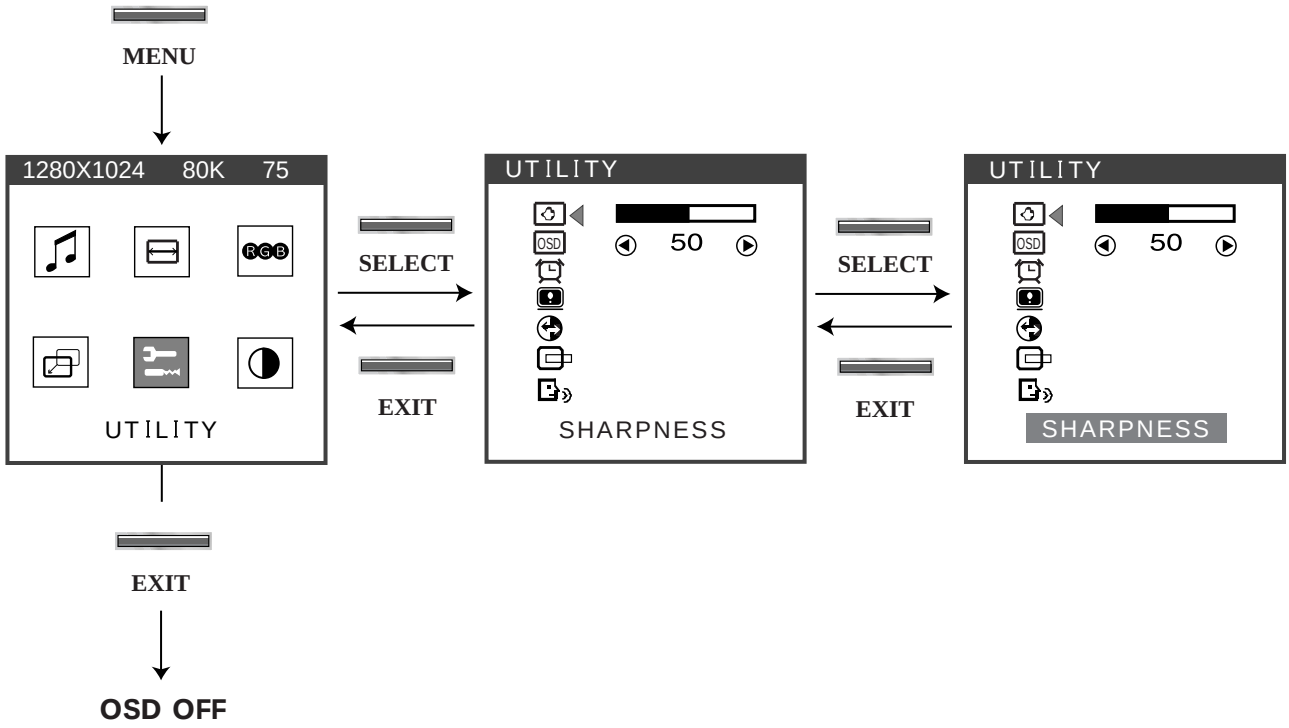
selects input signal in order (PC --> SVIDEO --> VIDEO).

***8*** **MUTE**

mutes and restores sound by turns.

(∗) : Hot Key

## Key Process

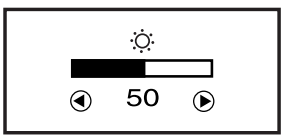



## HOT KEY

AUTO

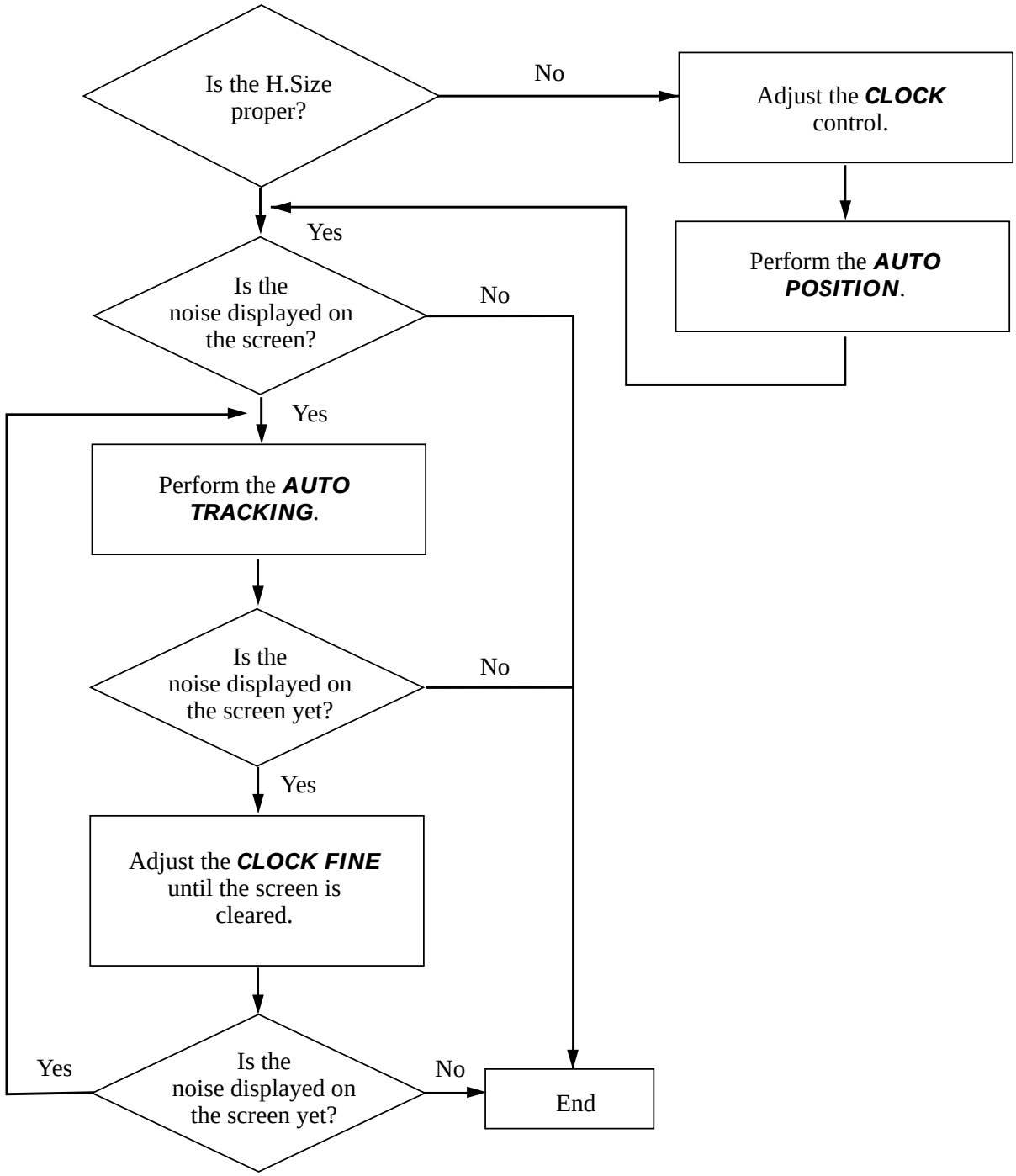

- When there is no OSD, if you press this AUTO button, you can use the best display performance fit for a current mode.

◀ BRIGHTNESS ▶




- When there is no OSD, if you press this BRIGHTNESS button, you can adjust the brightness directly.
  - ◀ : decreases brightness
  - ▶ : increases brightness

## Adjustment Procedure




∗ L700CAV : for PC Source

## OSD Functions (L700C/L700CM/L701C/L701CM)

| ICON | CONTROL | FUNCTIONS |
|---|---|---|
|  | ***LANGUAGE*** | Select language for OSD (6 languages). |
|  | ***CLOCK*** | Adjust the width (horizontal size) of the screen image. |
|  | ***CLOCK FINE*** | Sharpen the focus by aligning the illuminated pixels and adjust until the screen image looks focused, crisp and sharp. Adjusting the ***CLOCK FINE*** after the ***CLOCK*** adjustment will produce a clear screen. |
|  | ***AUTO TRACKING*** | Adjust the horizontal & vertical picture image quality and size. |
|  | ***COLOR TEMPERATURE*** | Choose different preset color temperatures or set your own customized color parameters. |
|  | ***RED CONTROL*** | Adjust the red color. |
|  | ***GREEN CONTROL*** | Adjust the green color. |
|  | ***BLUE CONTROL*** | Adjust the blue color. |
|  | ***H. CENTER & V. CENTER*** | Adjust the position of the display horizontally(left or right) and vertically (up or down). |
|  | ***SHARPNESS*** | Adjust the display image quality (if the screen proceed to scaling up). |
|  | ***OSD POSITION*** | Adjust the OSD position horizontally (left or right) and vertically (up or down). |
|  | ***OSD TIME OUT*** | Adjust the display OSD Menu. |
|  | ***STATUS*** | Display horizontal & vertical frequency and polarity. |
|  | ***RECALL*** | Reset the screen to the Factory Preset Display Settings. |
|  | ***AUTO POSITION*** | Choose automatically the proper horizontal position and vertical position & size of the screen image. |
|  | ***CONTRAST*** | Adjust the contrast of image, the difference between light and dark areas on the screen. |

## OSD Functions (L700CAV)

**<< OSD FUNCTIONS WITH USING PC >>**

| | | |
|---|---|---|
| ***SOUND*** | | |
| | ***VOLUME*** | Increase or decrease audio volume. |
| | ***BALANCE*** | Balance audio sound. |
| | ***TREBLE*** | Adjust high frequency response. |
| | ***BASS*** | Adjust low frequency response. |
| ***CLOCK*** | | |
| | ***CLOCK*** | Adjust the width (horizontal size) of the screen image. |
| | ***CLOCK FINE*** | Sharpen the focus by aligning the illuminated pixels and adjust until the screen image looks focused, crisp and sharp. Adjusting the ***CLOCK FINE*** after the ***CLOCK*** adjustment will produce a clear screen. |
| | ***AUTO TRACKING*** | Adjust the horizontal & vertical picture image quality and size. |
| ***COLOR*** | | |
| | ***RED CONTROL*** | Adjust the red color. |
| | ***GREEN CONTROL*** | Adjust the green color. |
| | ***BLUE CONTROL*** | Adjust the blue color. |
| | ***COLOR TEMPERATURE*** | Choose different preset color temperatures or set your own customized color parameters. |
| ***CENTER*** | | |
| | ***H. CENTER & V. CENTER*** | Adjust the position of the display horizontally (left or right) and vertically (up or down). |

| | | |
|---|---|---|
| ***UTILITY*** | | |
| | ***SHARPNESS*** | Adjust the display image quality (if the screen proceed to scaling up). |
| | ***OSD POSITION*** | Adjust the OSD position horizontally (left or right) and vertically (up or down). |
| | ***OSD TIME OUT*** | Adjust the display OSD Menu. |
| | ***STATUS*** | Display horizontal & vertical frequency and polarity. |
| | ***RECALL*** | Reset the screen to the Factory Preset Display Settings. |
| | ***AUTO POSITION*** | Choose automatically the proper horizontal position and vertical position & size of the screen image. |
| | ***LANGUAGE*** | Select language for OSD (6 languages). |
| ***CONTRAST*** | | |
| | ***CONTRAST*** | Adjust the contrast of image, the difference between light and dark areas on the screen. |

**<< OSD FUNCTIONS WITH USING VIDEO >>**

| | | |
|---|---|---|
| ***VOLUME*** | | Increase or decrease audio volume. |
| ***BRIGHTNESS*** | | Adjust the brightness of image. |
| ***CONTRAST*** | | Adjust the contrast of image. |
| ***COLOR*** | | |
| | ***SATURATION*** | Adjust saturation of image. |
| | ***HUE*** | Adjust the hues of image. |
| | ***SHARPNESS*** | Adjust the display image quality (if the screen proceed to scaling up). |
| ***SOUND*** | | |
| | ***BALANCE*** | Balance audio sound. |
| | ***TREBLE*** | Adjust high frequency response. |
| | ***BASS*** | Adjust low frequency response. |

## Self Diagnosis

If there is no image, the Self Diagnosis screen will be displayed. Self Diagnosis function checks if the status of the monitor screen is No Signal, Out of range or None support.


"No Signal" screen is displayed when the D-Sub signal connector is not connected or the status of the monitor is on DPMS mode.


"Out of Range" screen is displayed when the applied frequency is under or over normal range.

■ Normal range
(Non-interlaced mode only)
H : 30 - 80 KHz
V : 56 - 77 Hz


"None support" screen is displayed when the applied frequency is under or over factory preset timings.

# ALIGNMENT PROCEDURE

## Standard Check point

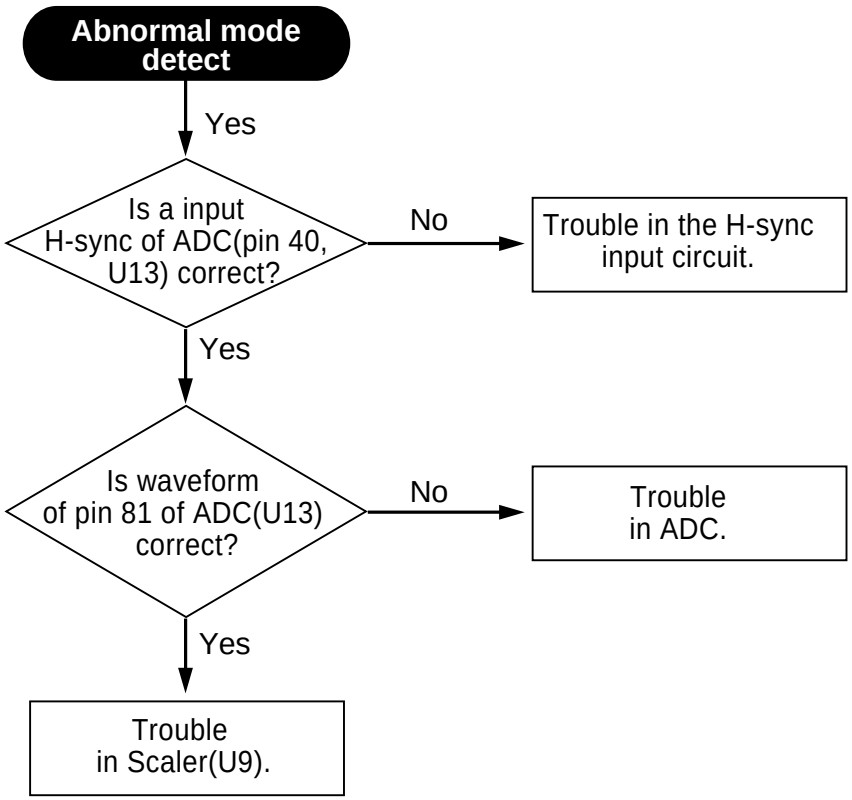
1. Power source : 100 - 240Vac, 50/60Hz.
2. Aging : Take at least 20 minutes warm-up time.
3. Signal
   Video input : Analog 0.7Vpp 75Ω terminal positive polarity
   Synchronizing : acceptable negative or positive at TTL level
   Max. Resolution : 1280 x 1024@75Hz
   Frequency
   Horizontal : 30KHz - 80KHz
   Vertical : 56Hz - 77Hz (available only non interlace mode)

## Adjustment

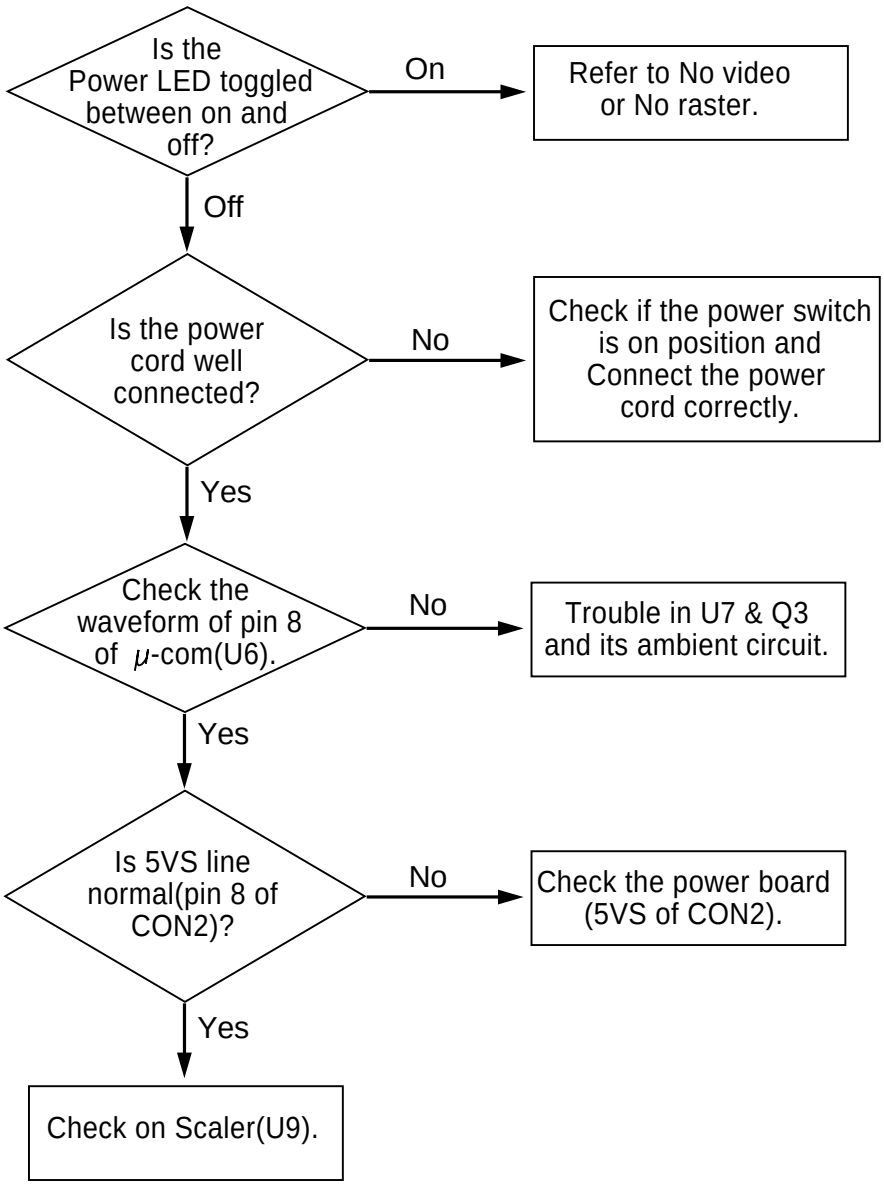
1. Sharpness set to 53%
2. Contrast set to 92%
3. Brightness set to 50%
4. Switching to factory alignment mode
   Press power key with Brightness left key at the power off status.
5. Video level adjustment
   Receive stair pattern of 16 step (doesn't care any mode).
   Readjust coarse R, G, B in AD9884A menu before saturaton point.
   (SG9884A : L700CAV)
6. Set up the tracking
   See the user's manual at page 8th.
7. Switching to user's mode
   If turn-off and turn-on then switched to user's mode.

* All of adjusted data stores by fade out of OSD.

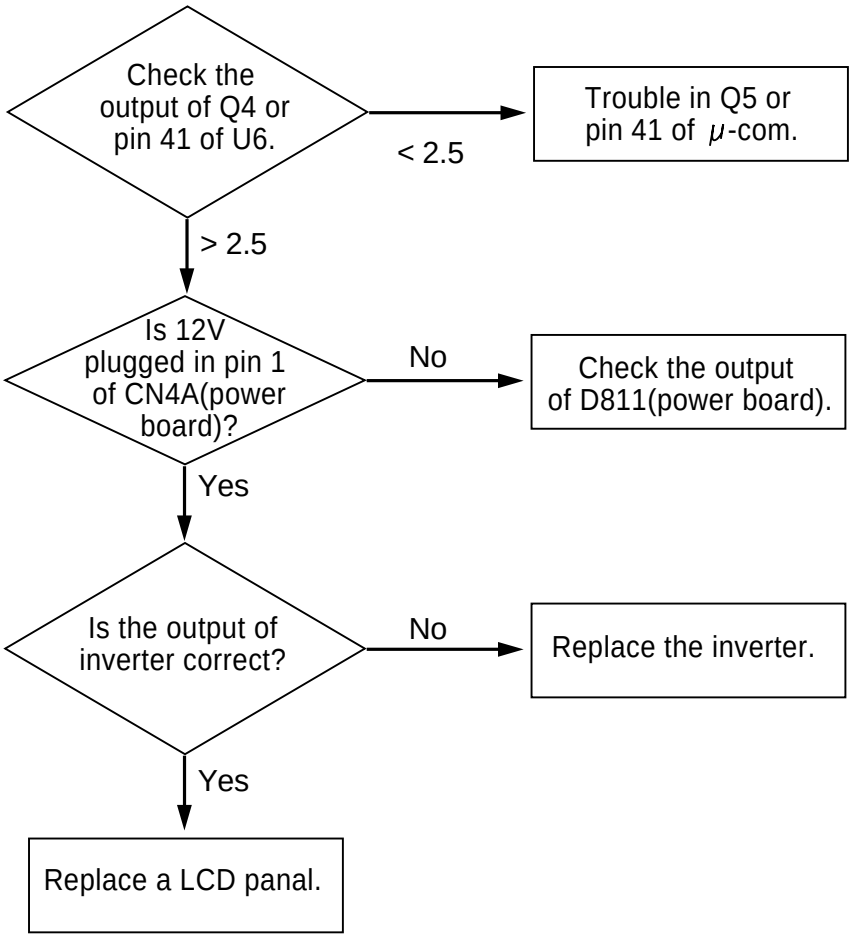
## 1. Abnormal mode detect



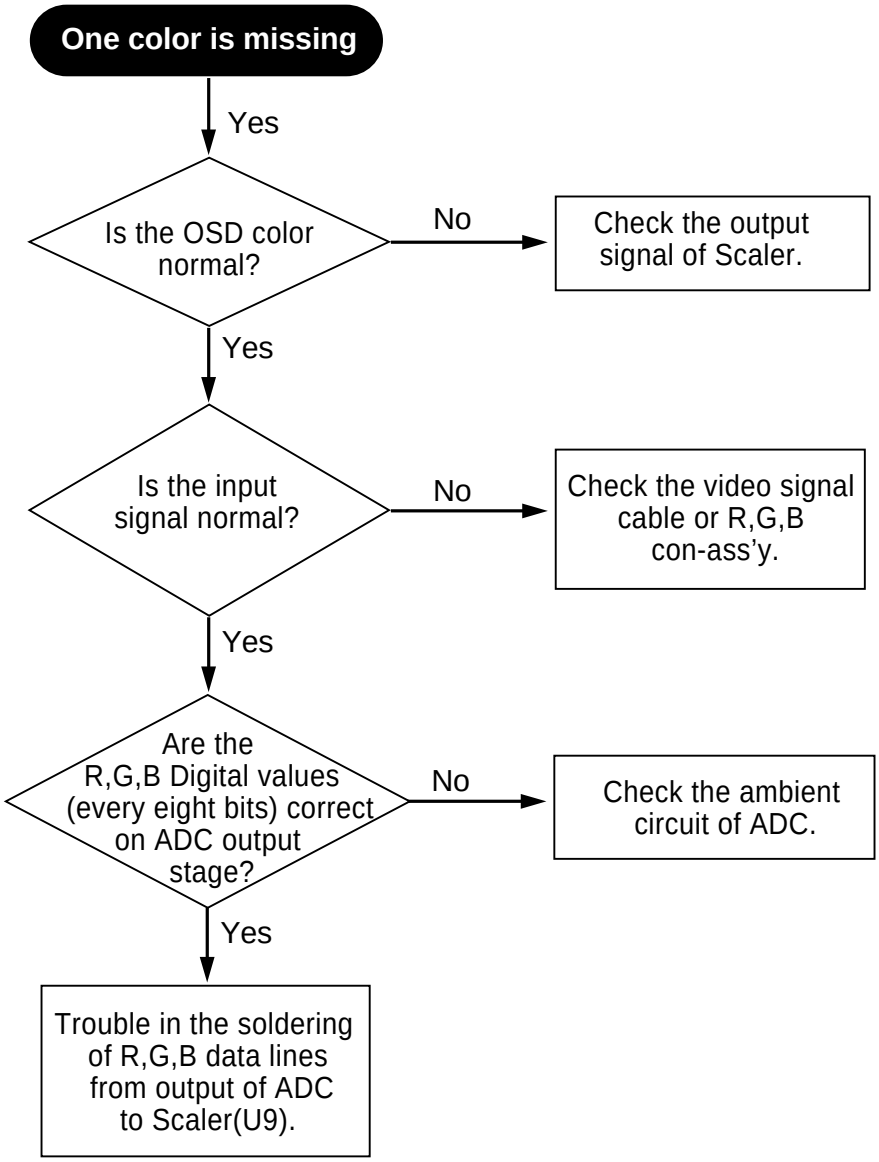
## 2. Trouble in Power on



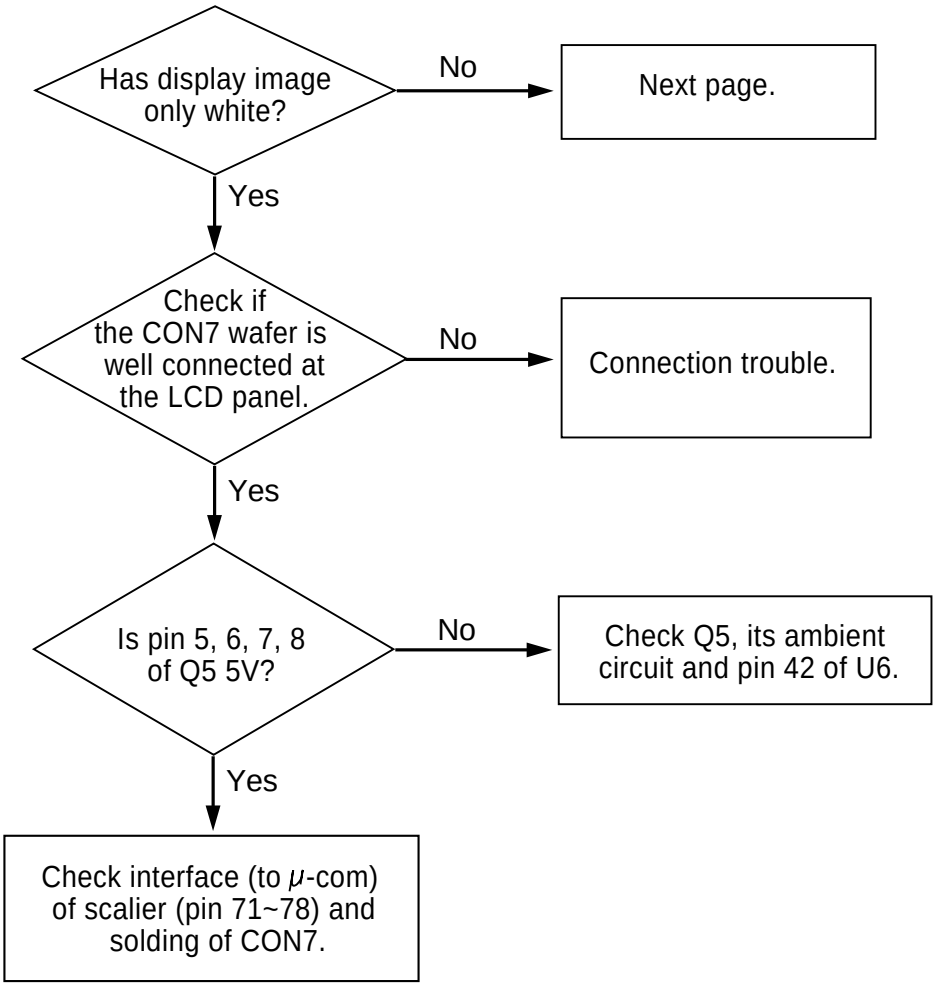
## 3. No Raster


Check the output of Q4 or pin 41 of U6.
< 2.5
Trouble in Q5 or pin 41 of μ-com.
> 2.5
Is 12V plugged in pin 1 of CN4A(power board)?
No
Check the output of D811(power board).
Yes
Is the output of inverter correct?
No
Replace the inverter.
Yes
Replace a LCD panal.

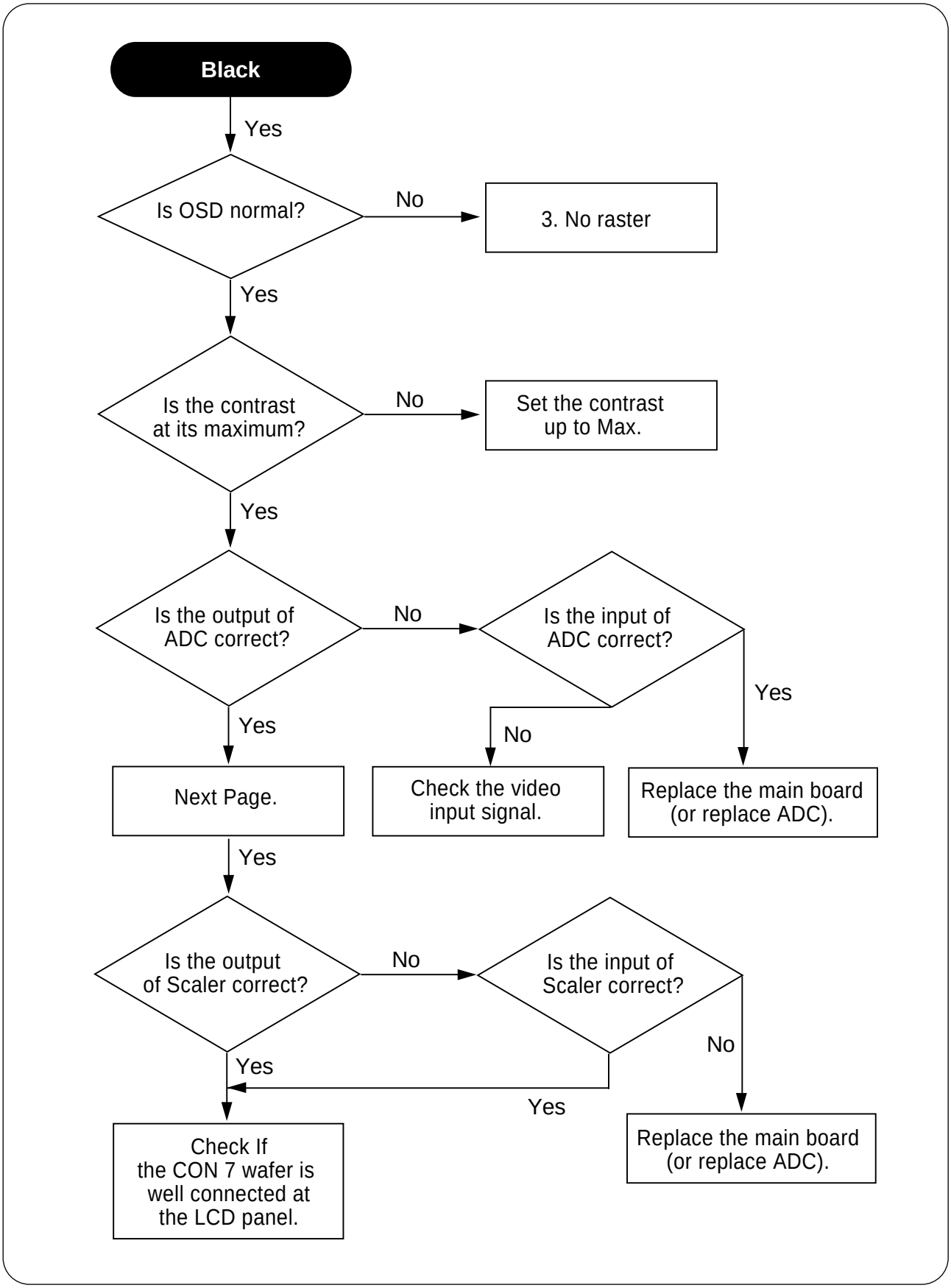
## 4. One color is missing



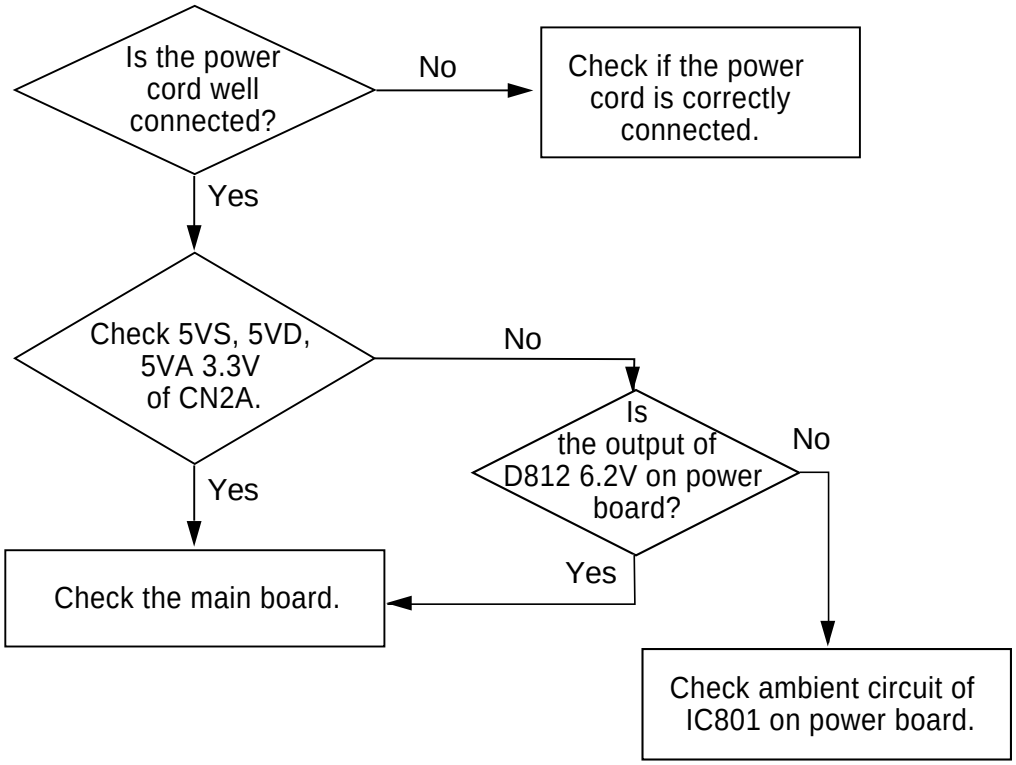
## 5. No Video


Has display image only white?
No
Next page.
Yes
Check if the CON7 wafer is well connected at the LCD panel.
No
Connection trouble.
Yes
Is pin 5, 6, 7, 8 of Q5 5V?
No
Check Q5, its ambient circuit and pin 42 of U6.
Yes
Check interface (to μ-com) of scalier (pin 71~78) and solding of CON7.

## 5-1. No Video

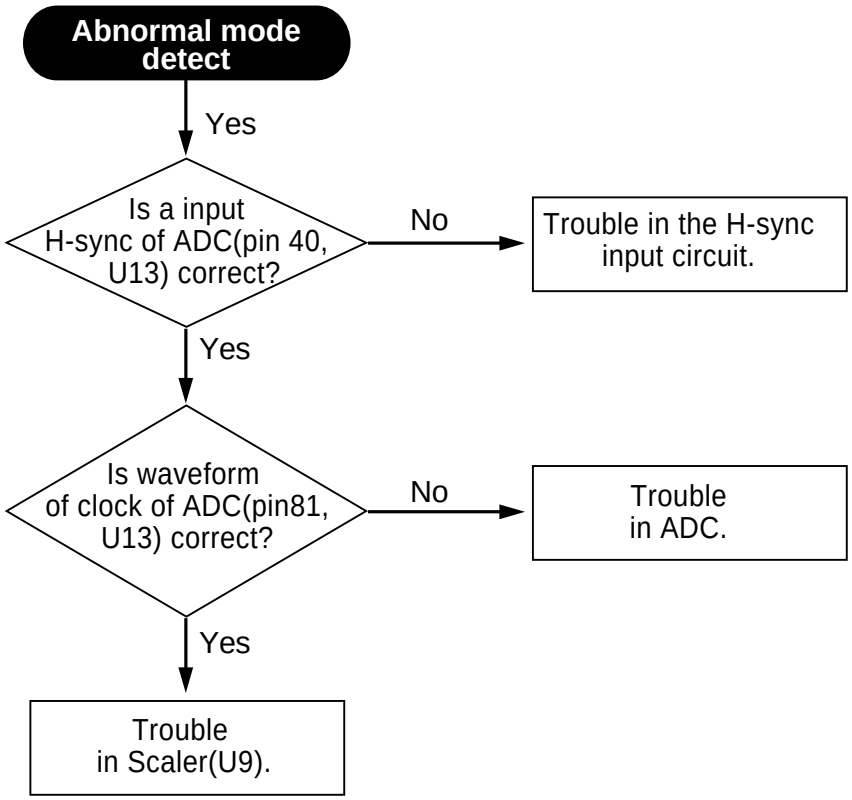

Black
Yes
Is OSD normal?
No
3. No raster
Yes
Is the contrast at its maximum?
No
Set the contrast up to Max.
Yes
Is the output of ADC correct?
No
Is the input of ADC correct?
Yes
Yes
No
Next Page.
Check the video input signal.
Replace the main board (or replace ADC).
Yes
Is the output of Scaler correct?
No
Is the input of Scaler correct?
No
Yes
Yes
Check If the CON 7 wafer is well connected at the LCD panel.
Replace the main board (or replace ADC).

## 6. Power Problem



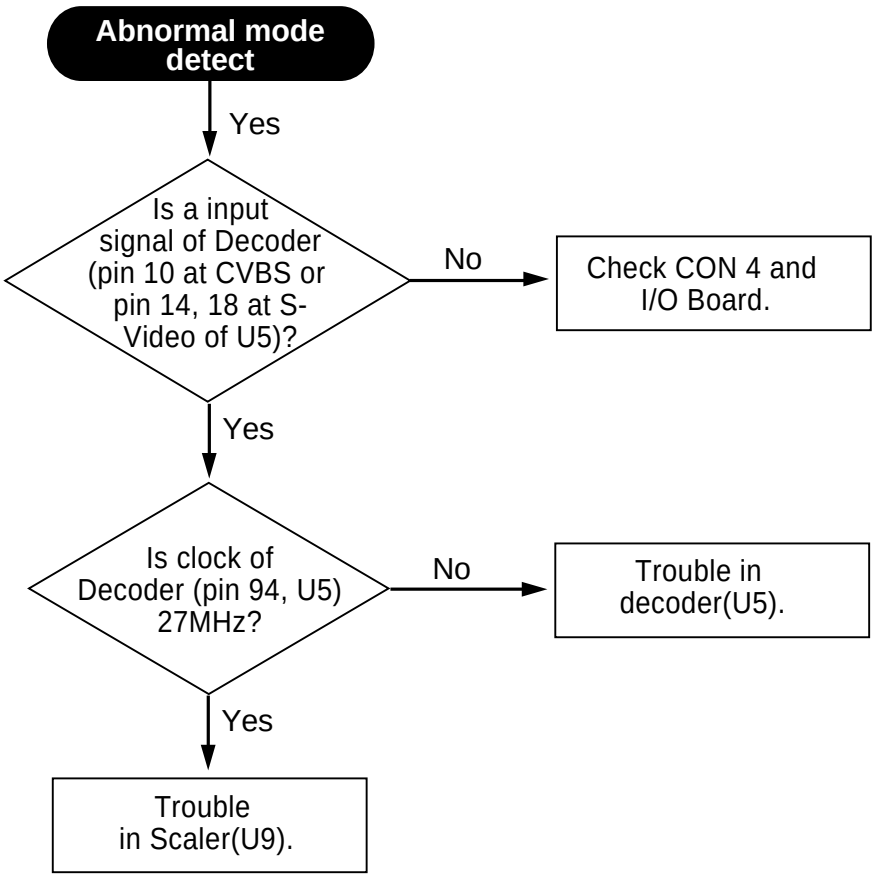
# 1. Abnormal mode detect

## 1-1. Abnormal mode detect for PC Source

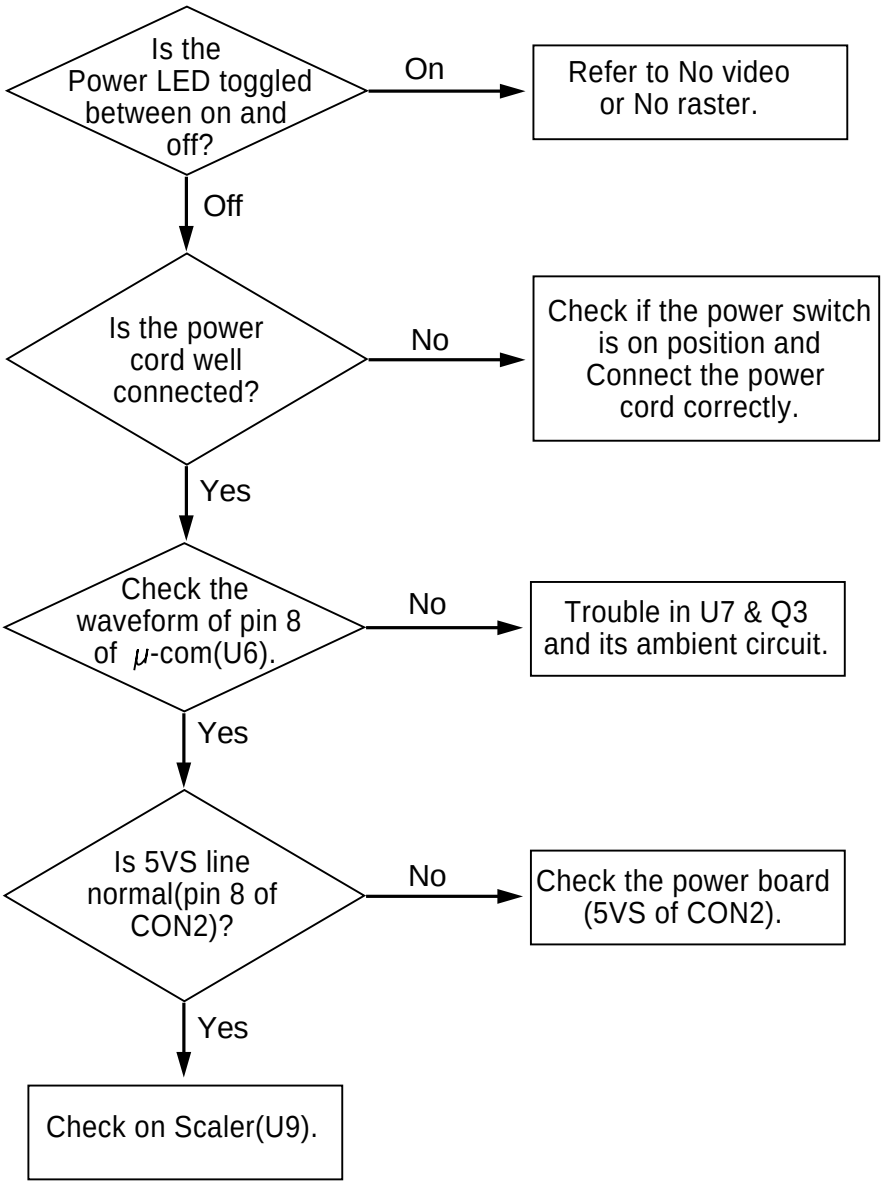


# 1. Abnormal mode detect

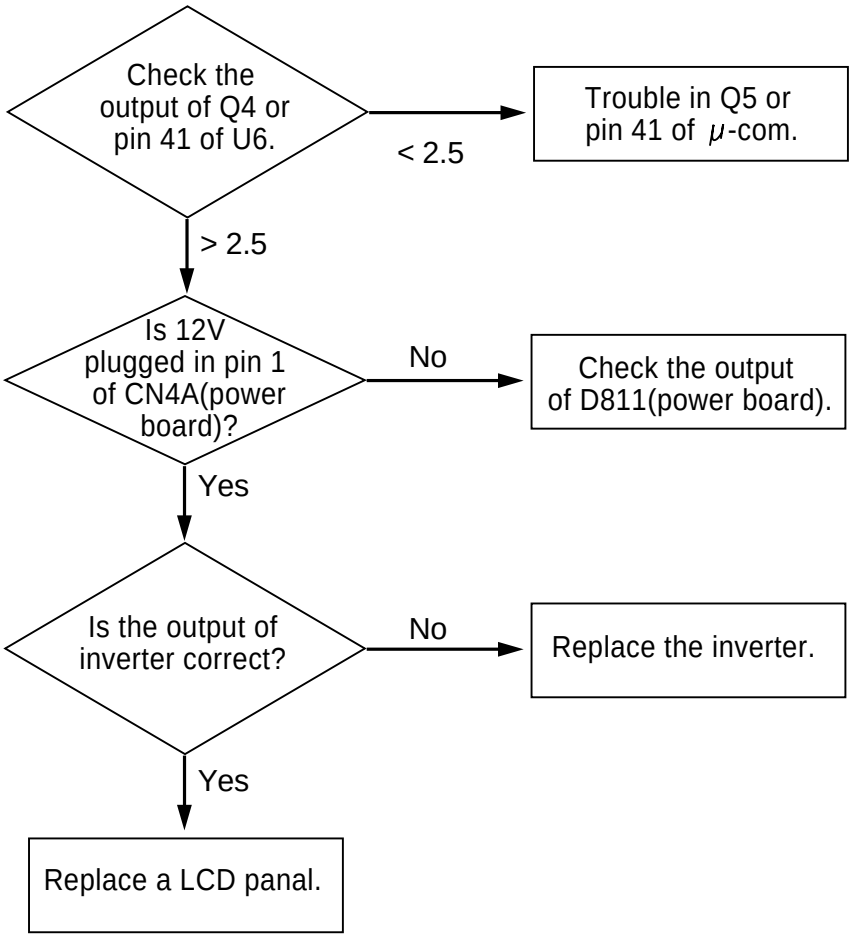
## 1-2. Abnormal mode detect for AV Source



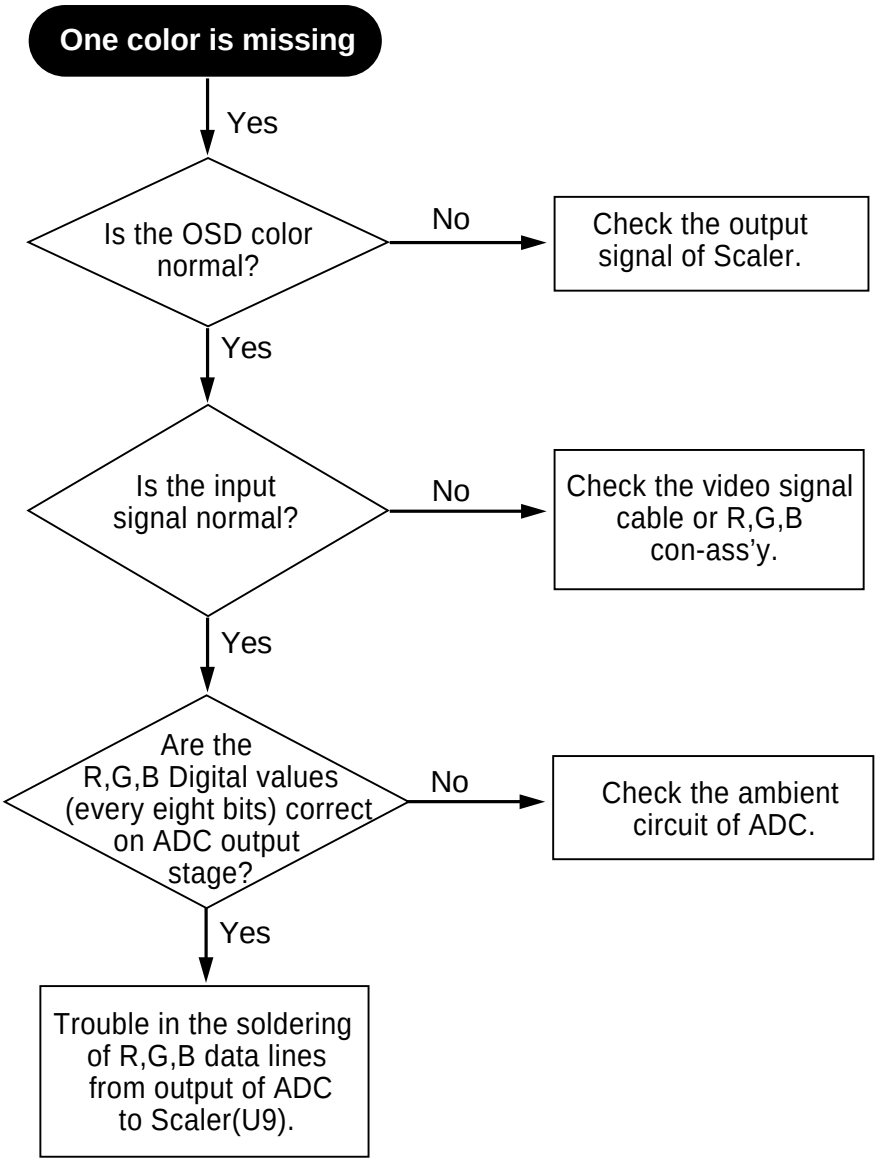
## 2. Trouble in Power on



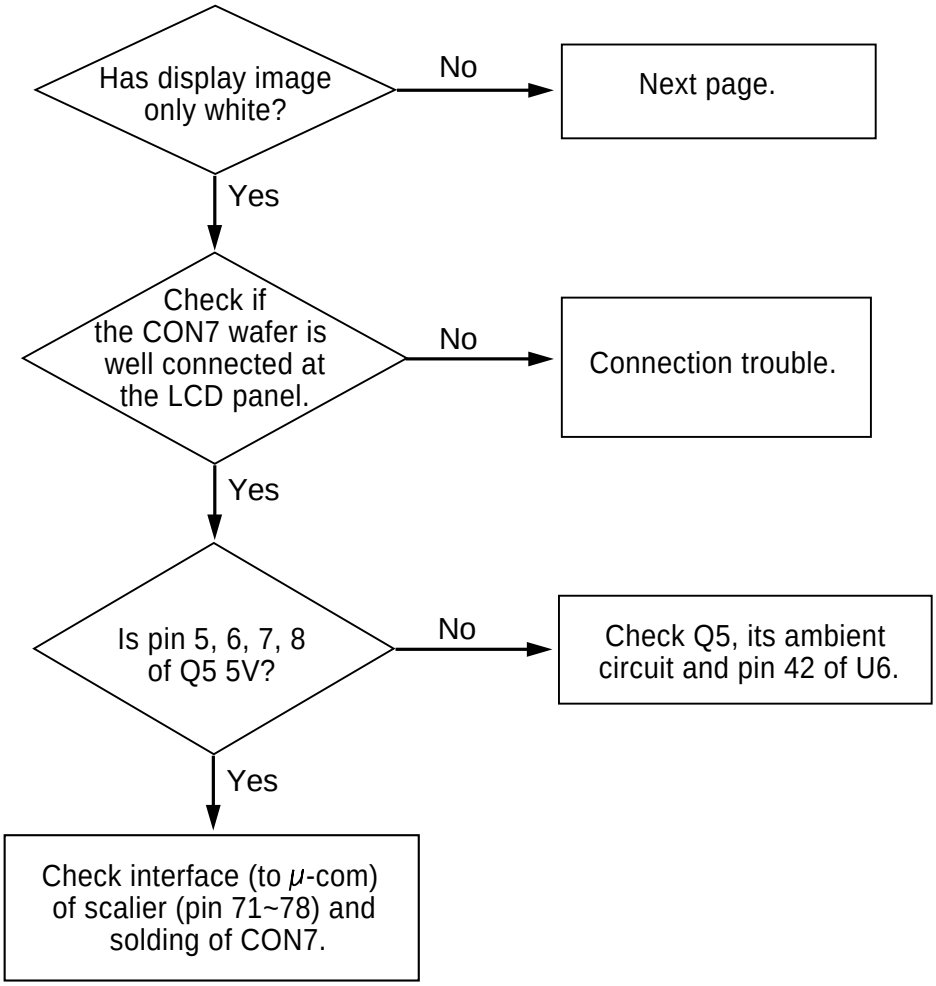
## 3. No Raster


Check the output of Q4 or pin 41 of U6.
< 2.5
Trouble in Q5 or pin 41 of μ-com.
> 2.5
Is 12V plugged in pin 1 of CN4A(power board)?
No
Check the output of D811(power board).
Yes
Is the output of inverter correct?
No
Replace the inverter.
Yes
Replace a LCD panal.

## 4. One color is missing for PC Source

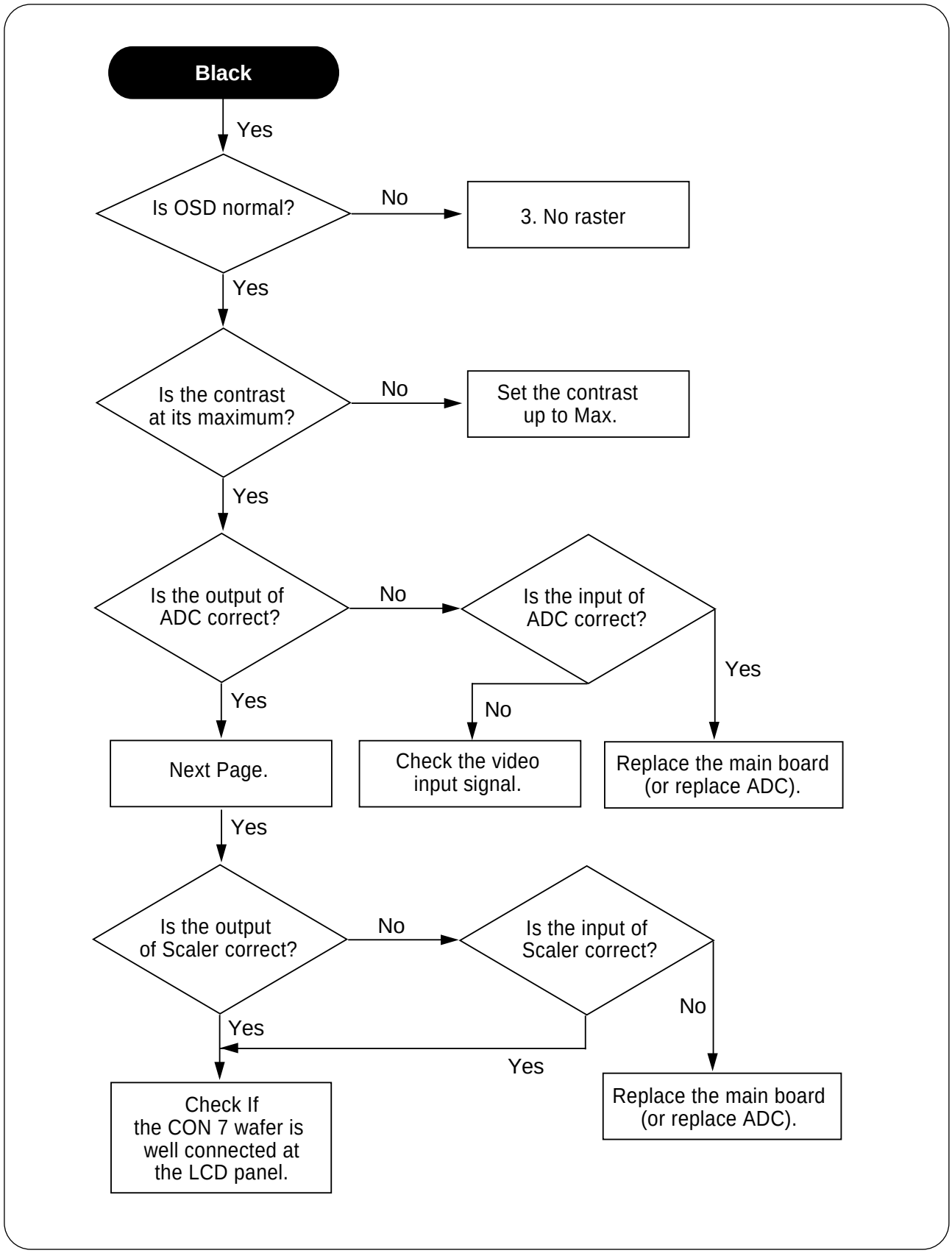


## 5. No Video


Has display image only white?
No
Next page.
Yes
Check if the CON7 wafer is well connected at the LCD panel.
No
Connection trouble.
Yes
Is pin 5, 6, 7, 8 of Q5 5V?
No
Check Q5, its ambient circuit and pin 42 of U6.
Yes
Check interface (to μ-com) of scalier (pin 71~78) and solding of CON7.

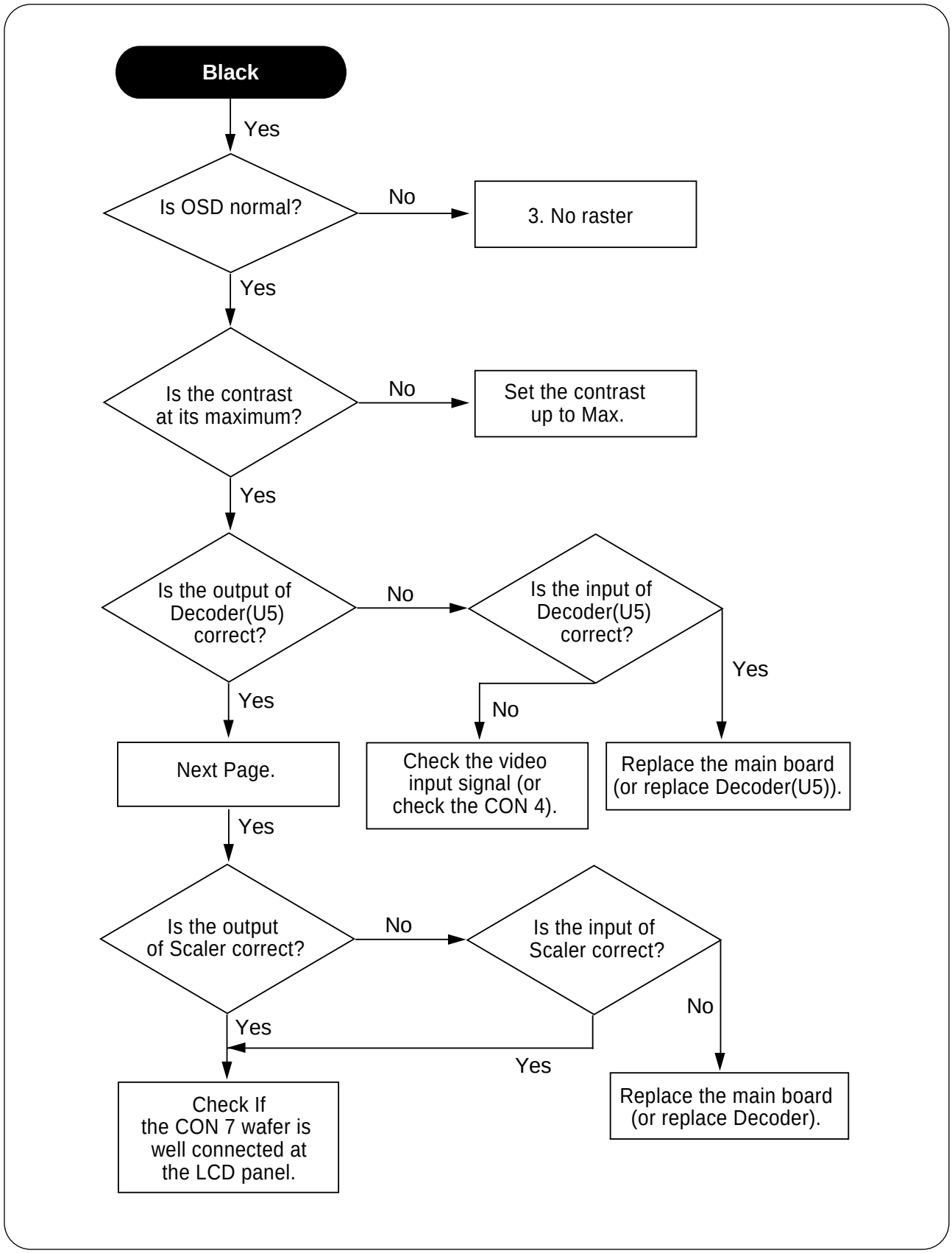
# 5. No Video

## 5-1. No video for PC Source

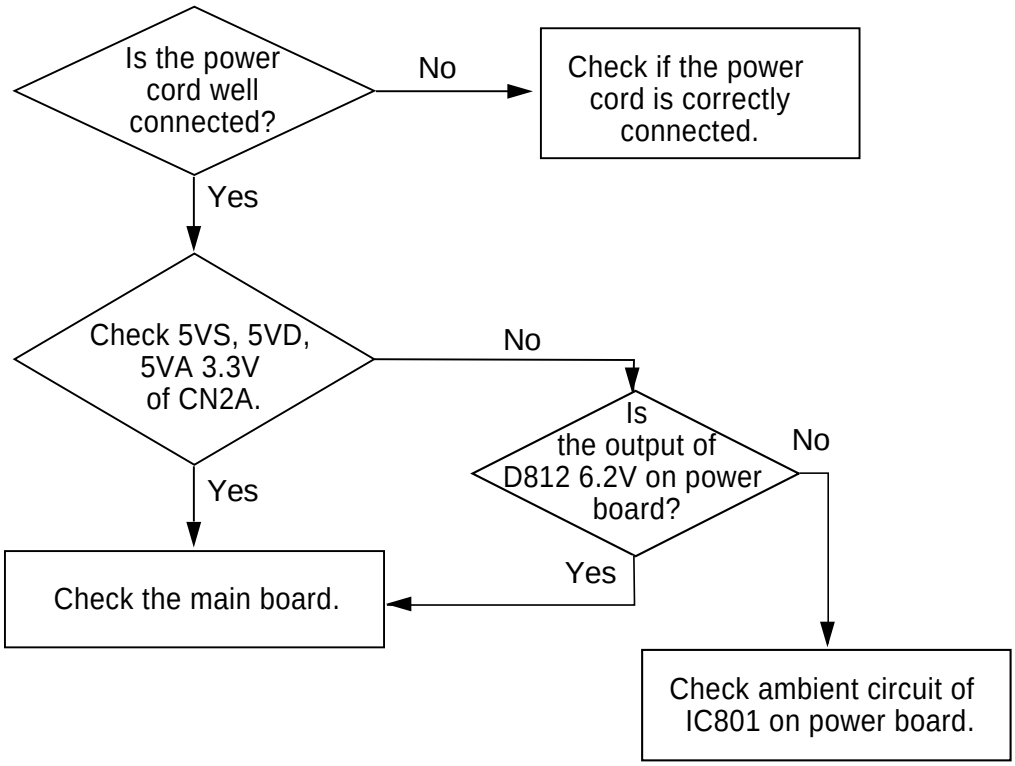


## 5. No Video

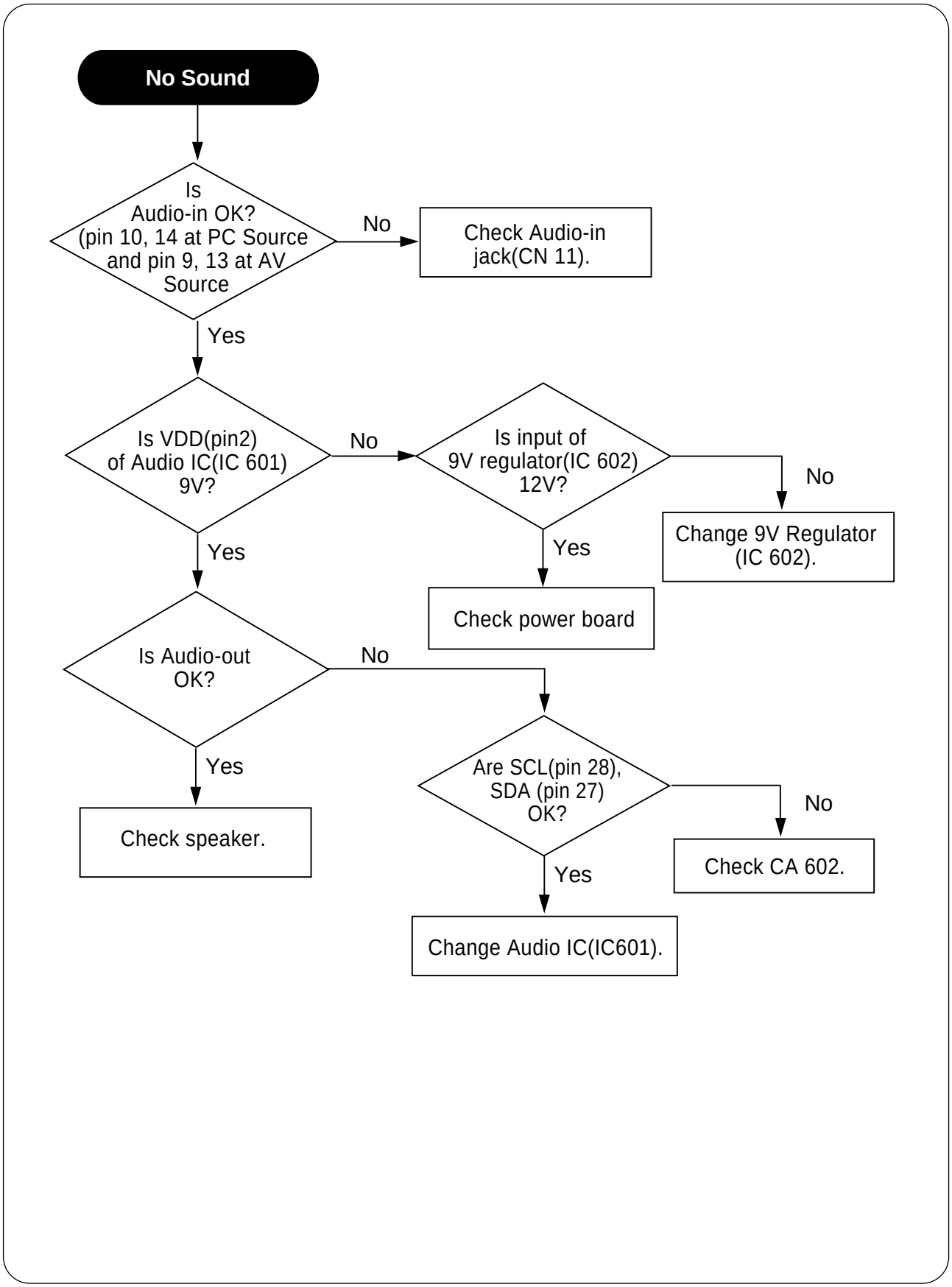
### 5-2. No video for AV Source



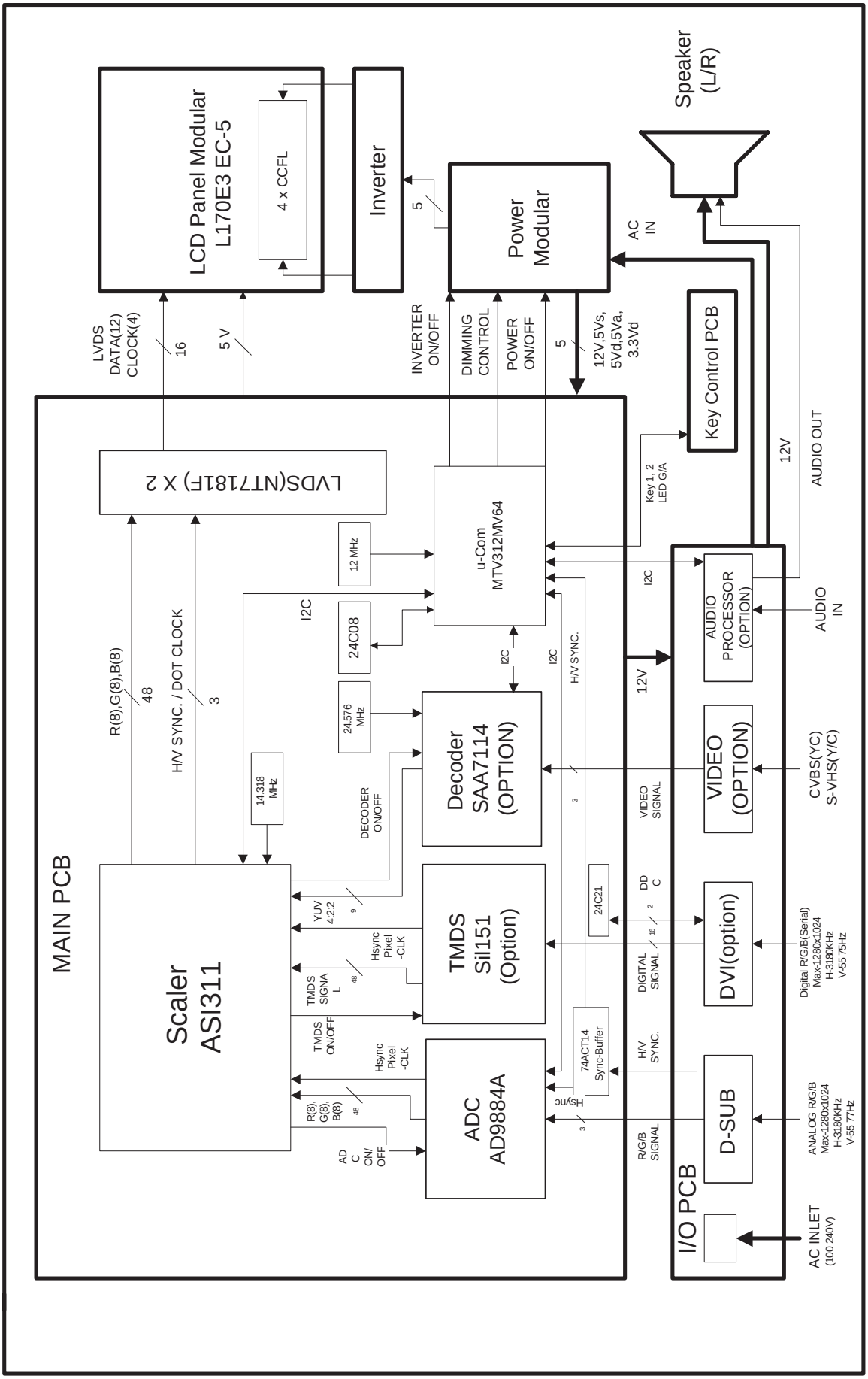
## 6. Power Problem



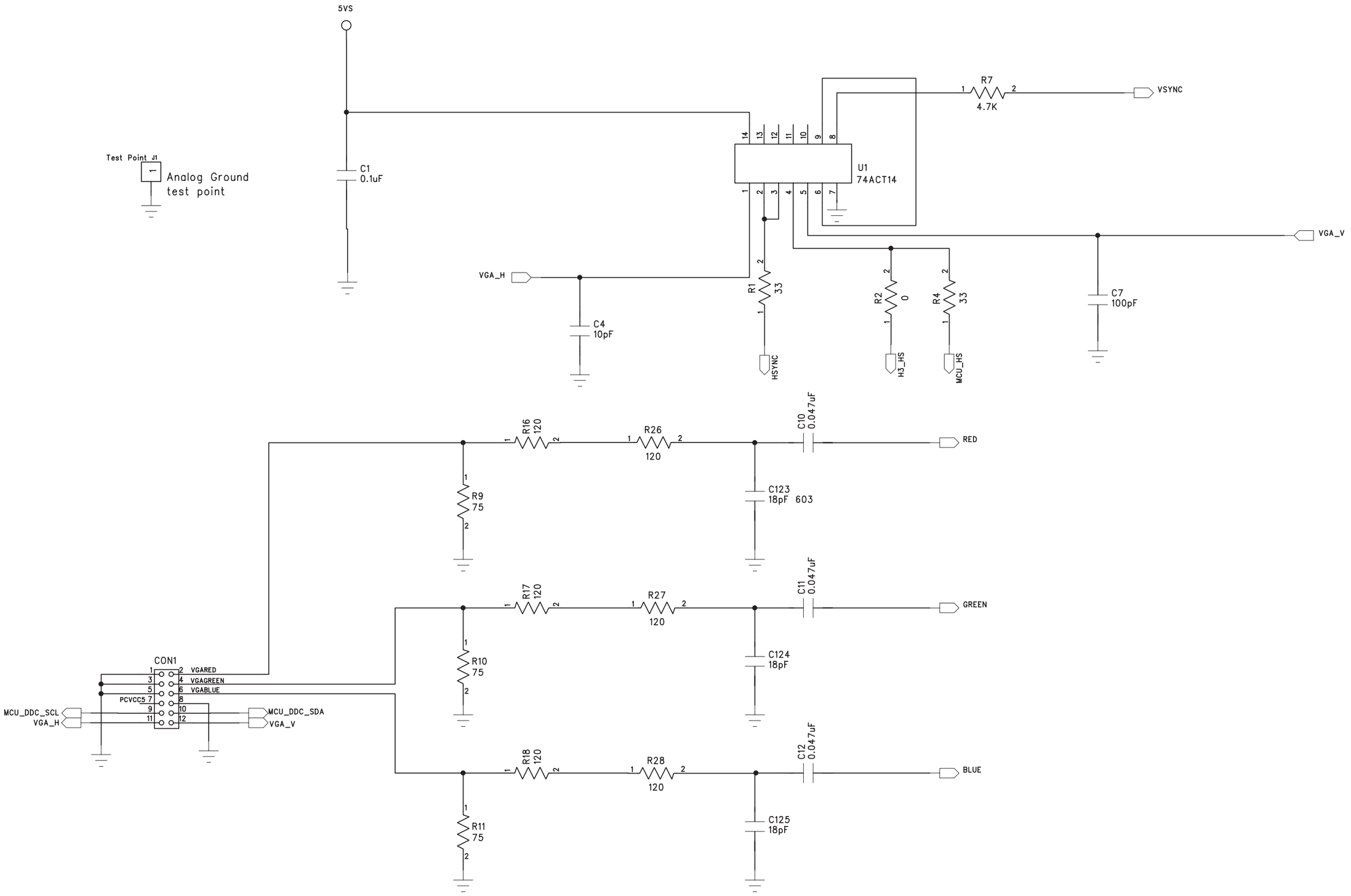
## 7. Sound Problem



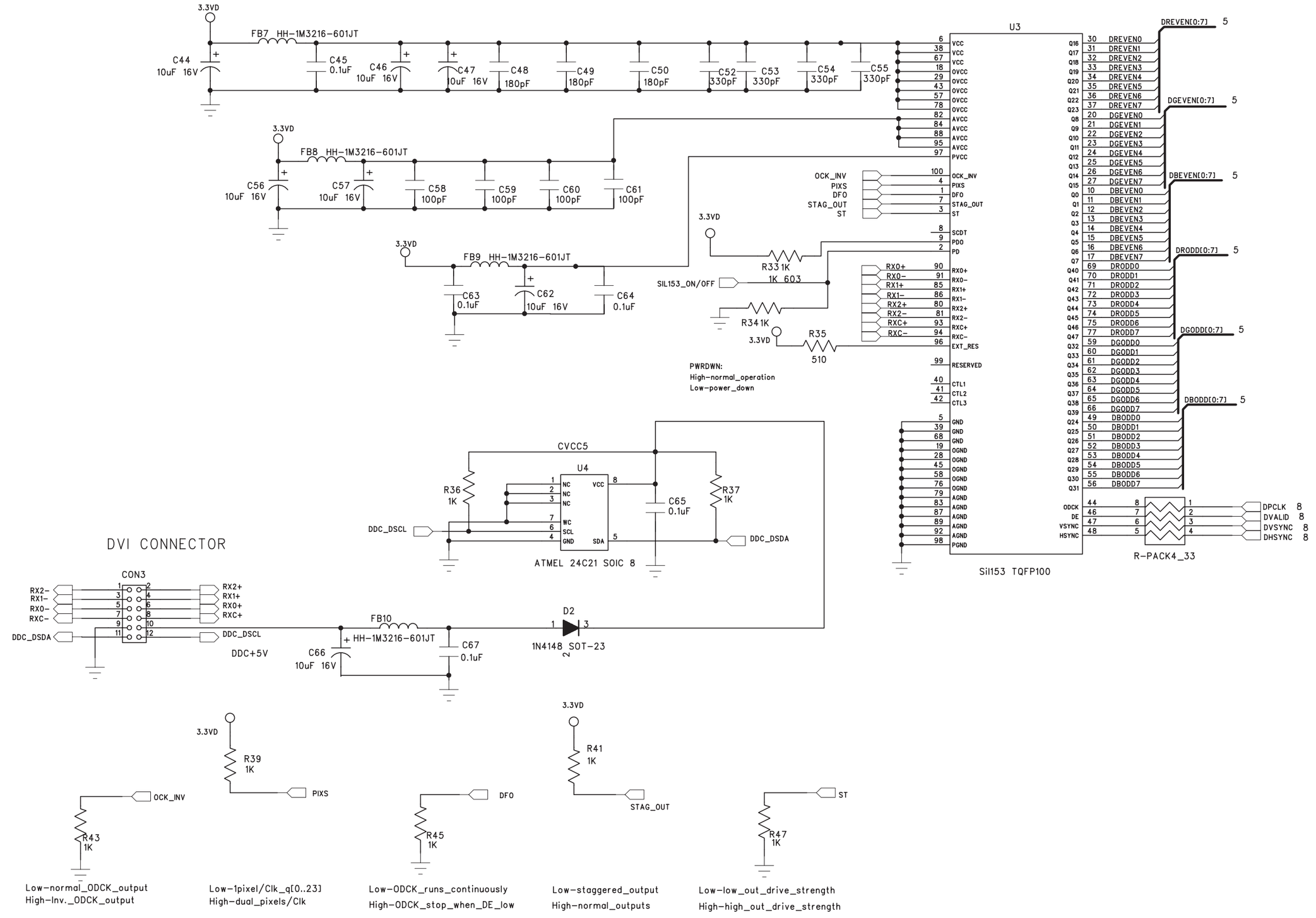
# BLOCK DIAGRAM



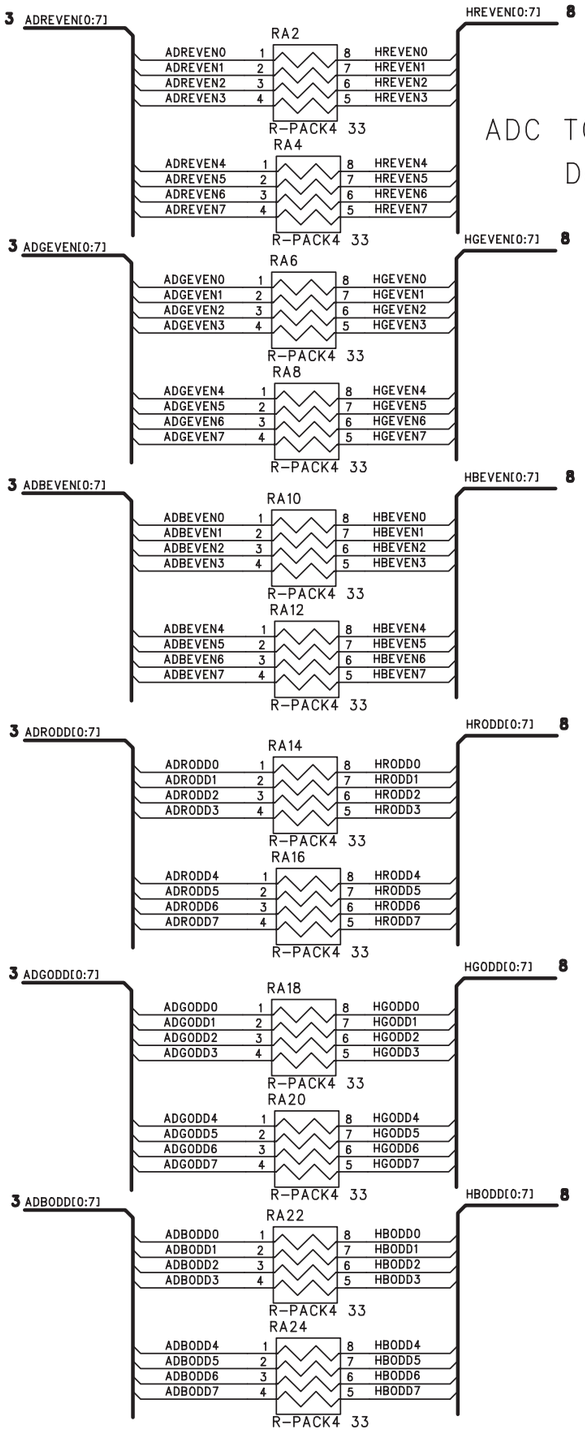
## VGA Analog Input Section



## DTF Connection TMDS Section

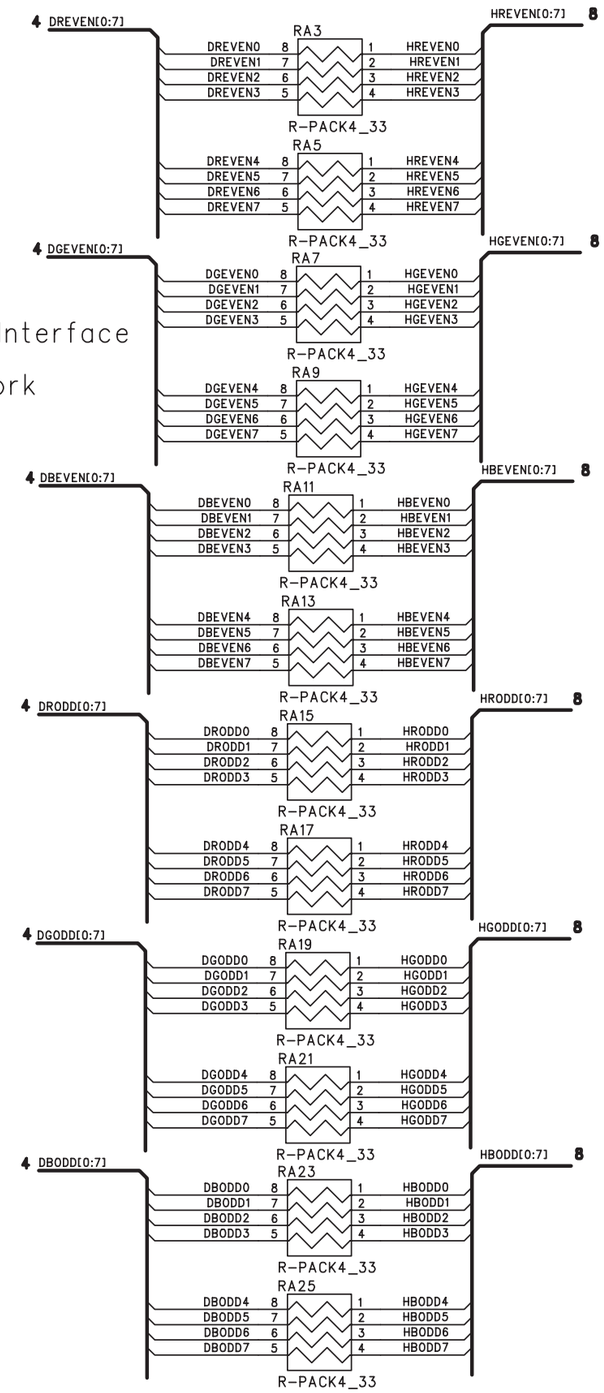


## Damping Networks Section

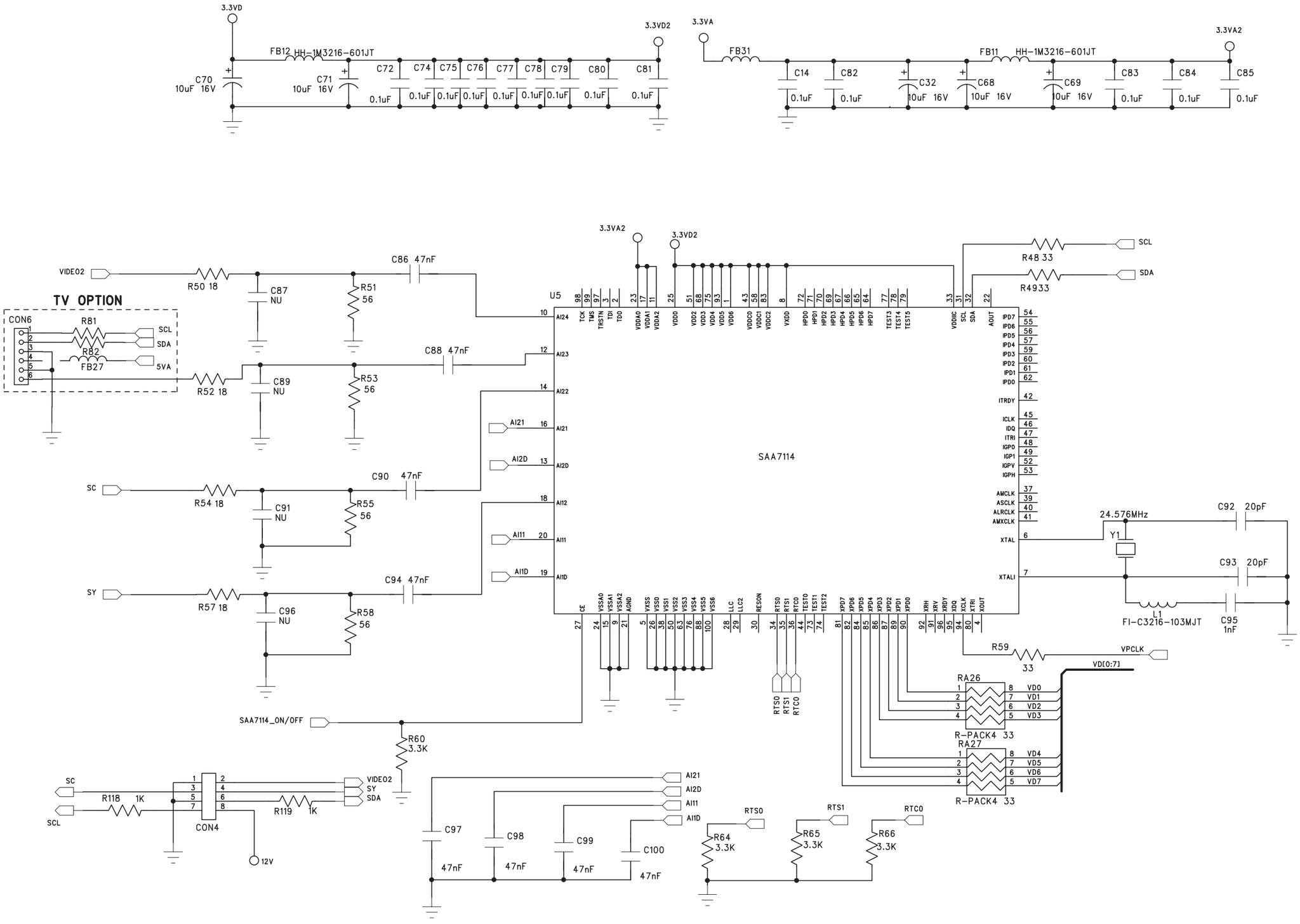



ADC TO SCALER Interface
Damping Network

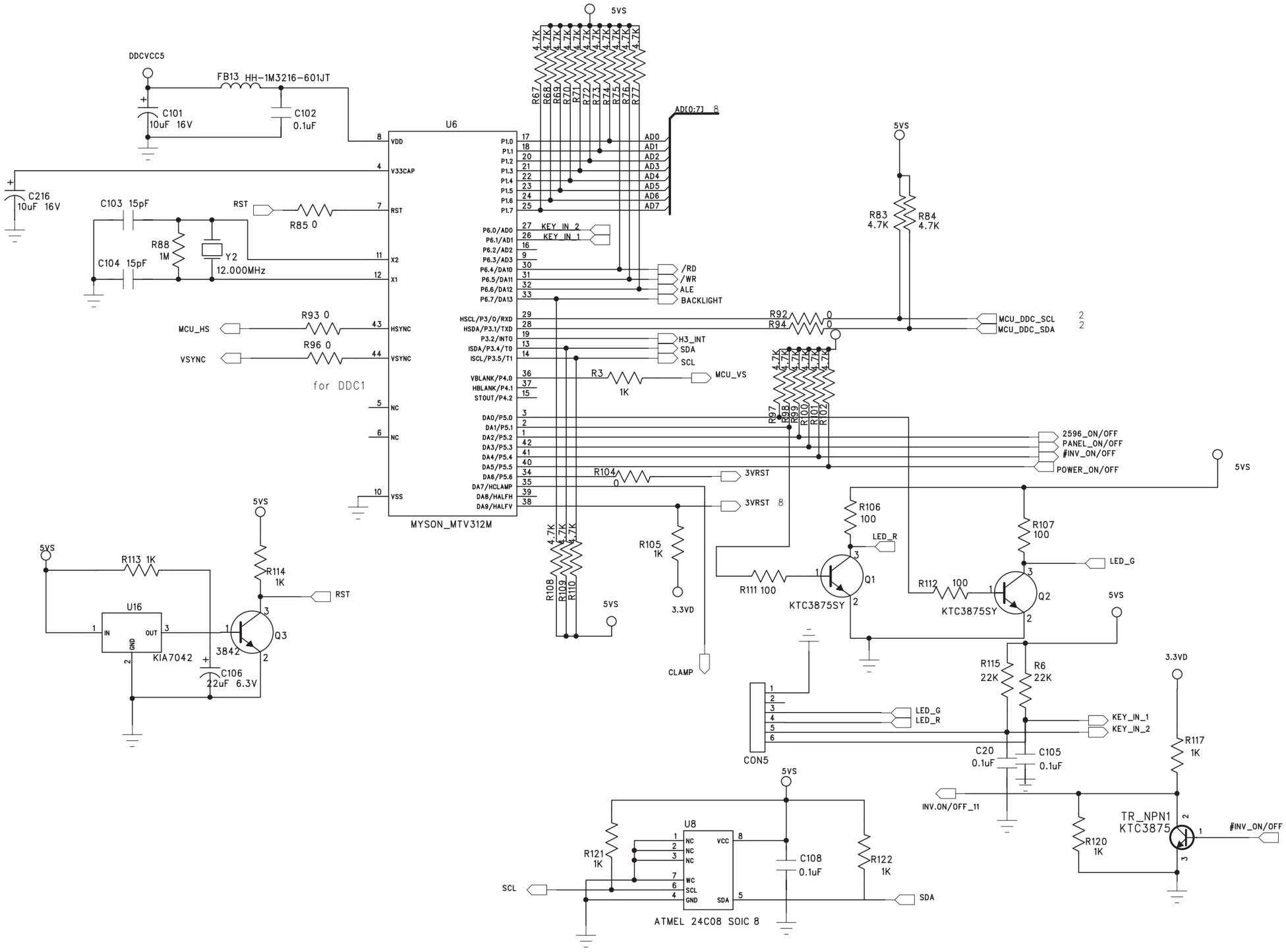
SCALER TO LVDS Tx Interface
Damping Network



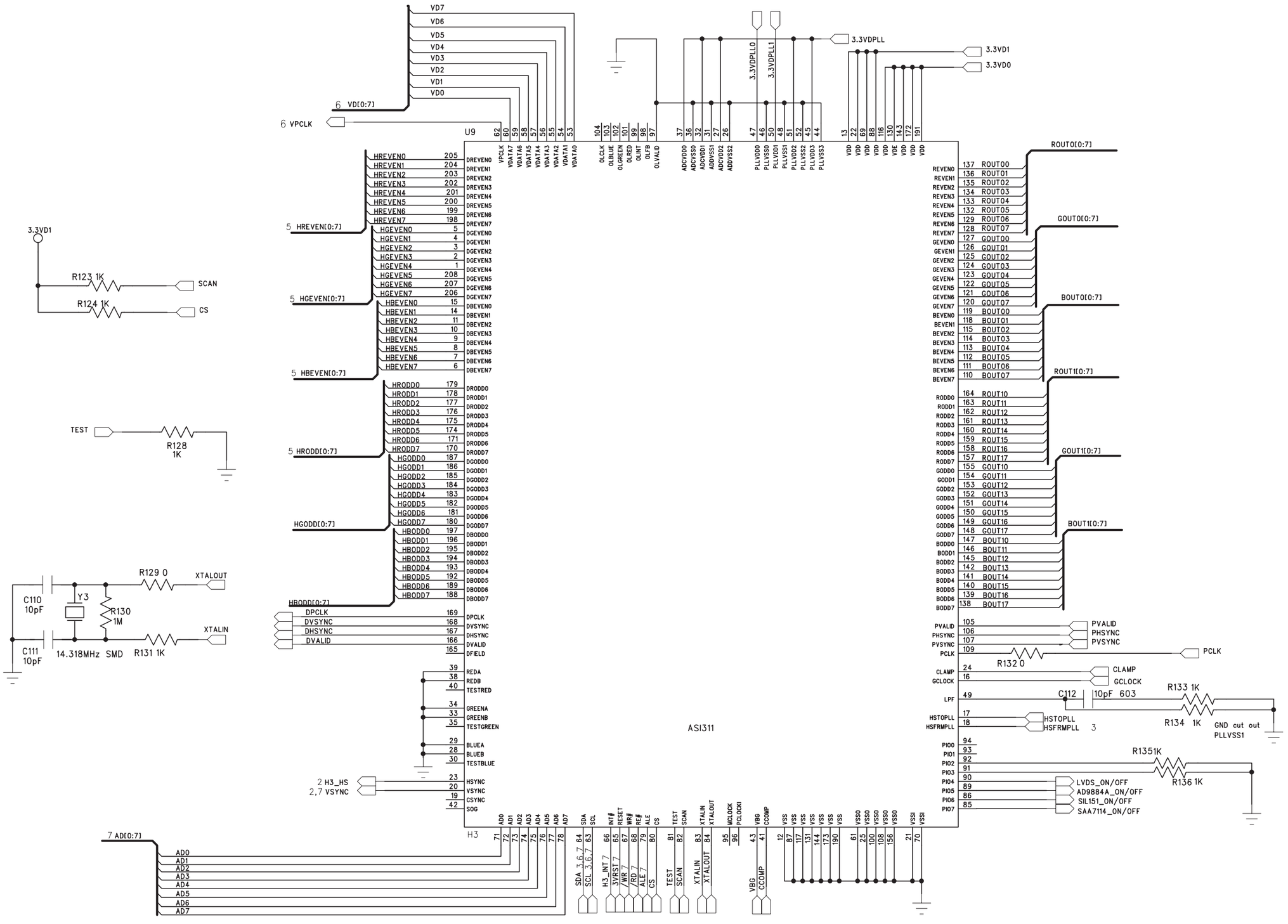
## NTSL/PAL Decoder Section



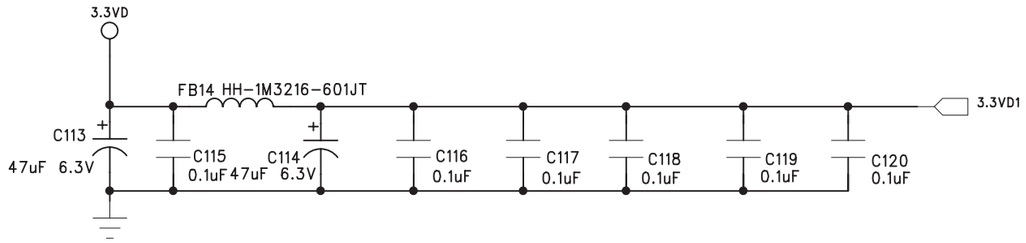
## Mysonweltrend Microcontroller Section

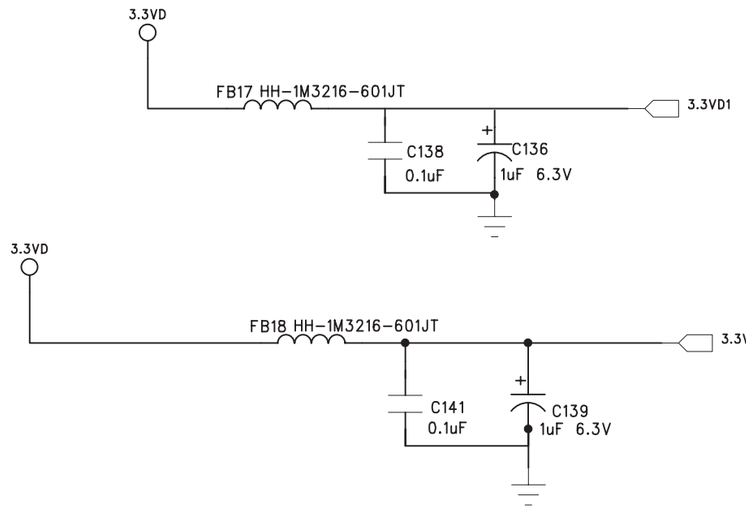


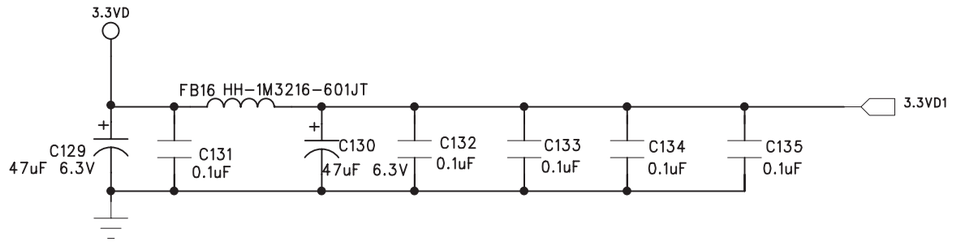
## ASI 311 Section

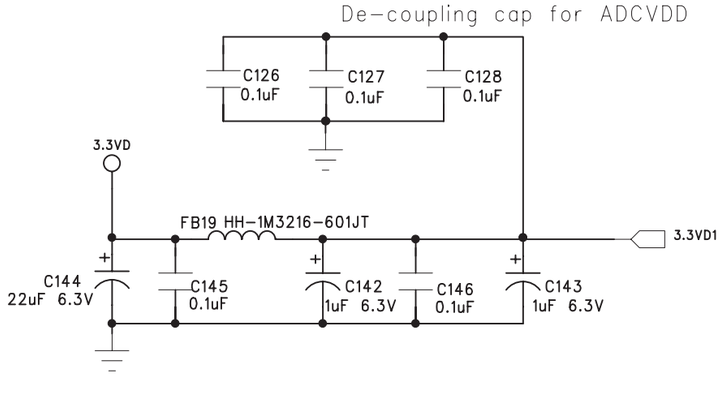


## ASI 311 Decoupling Caps Section

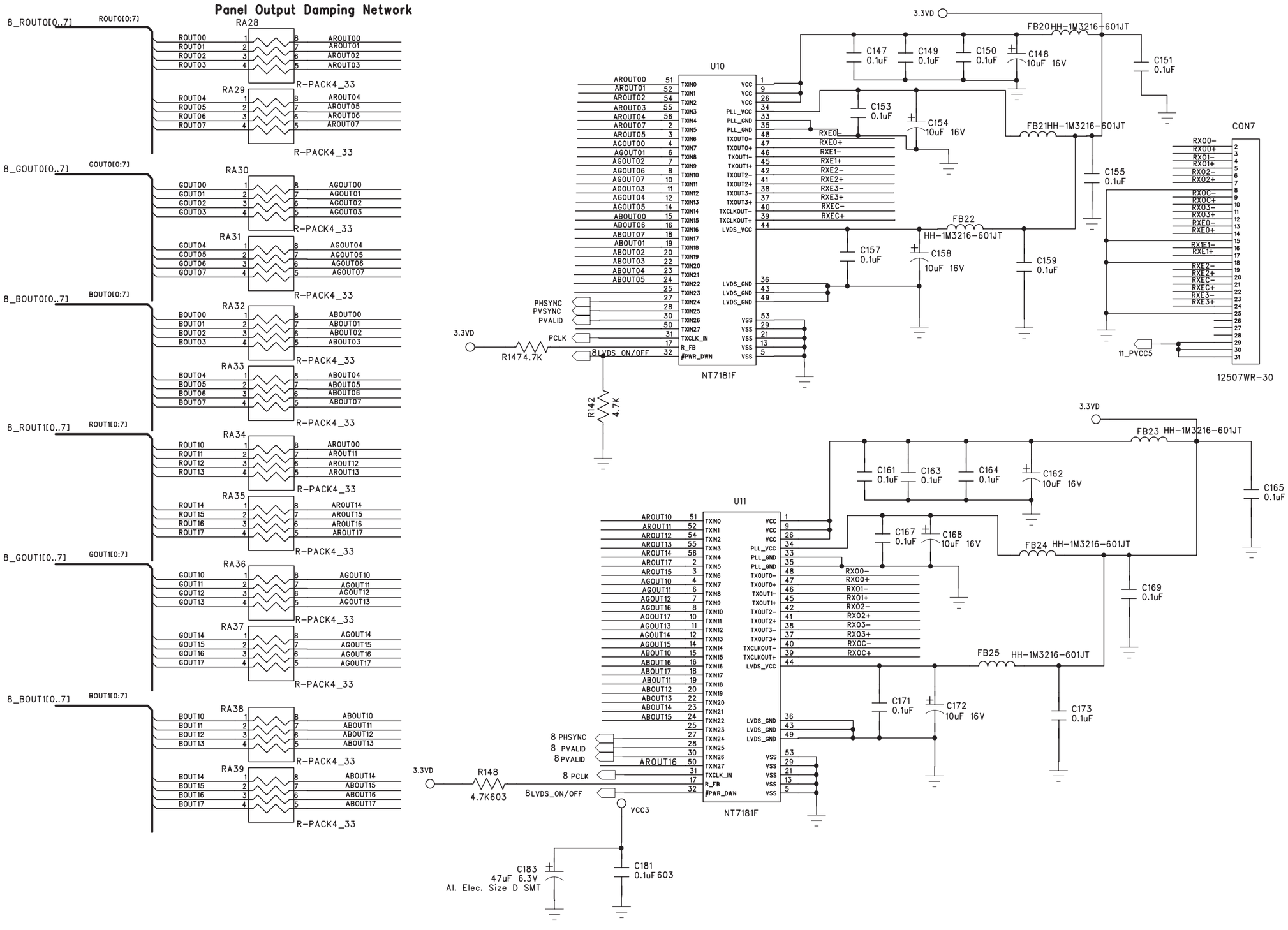


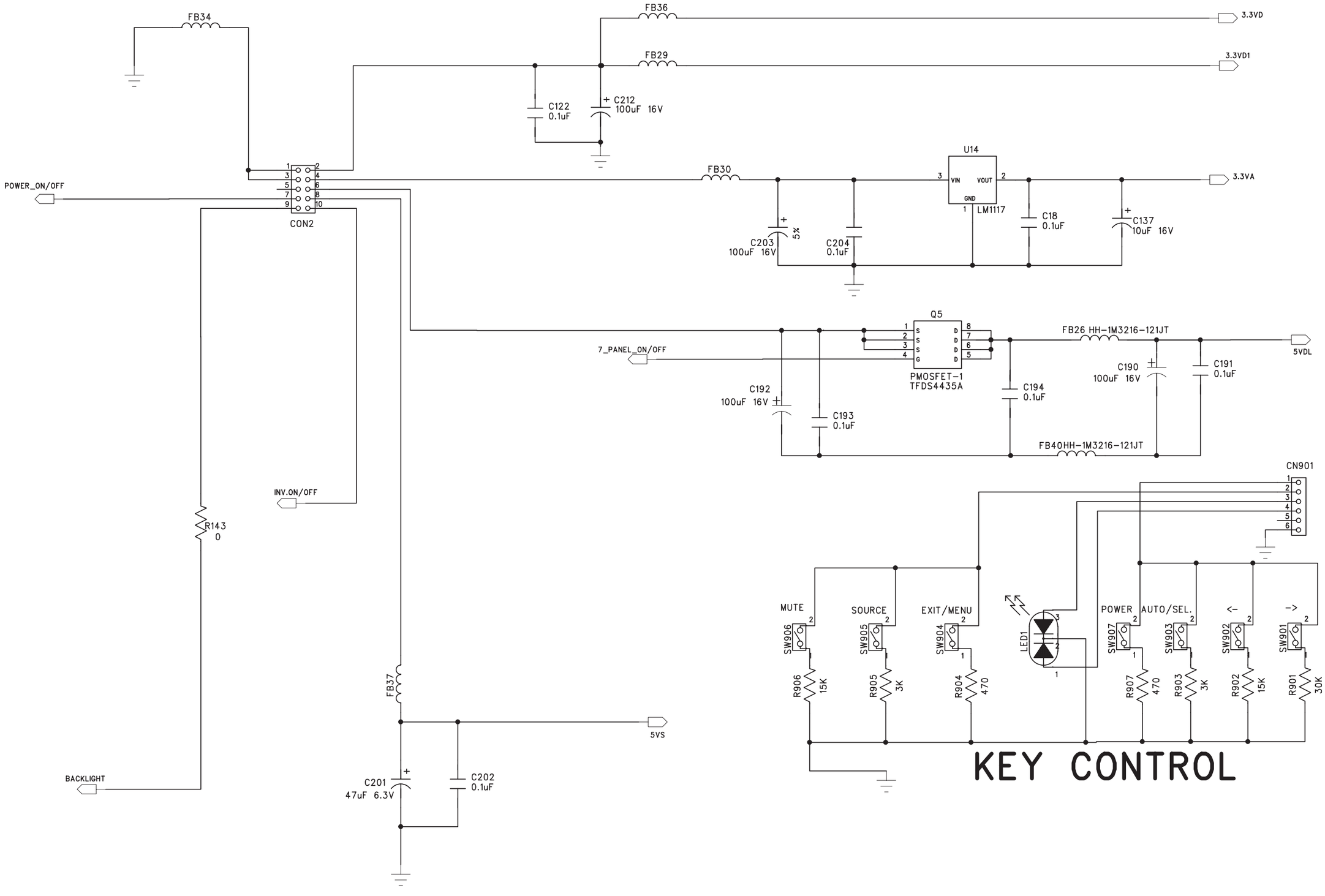



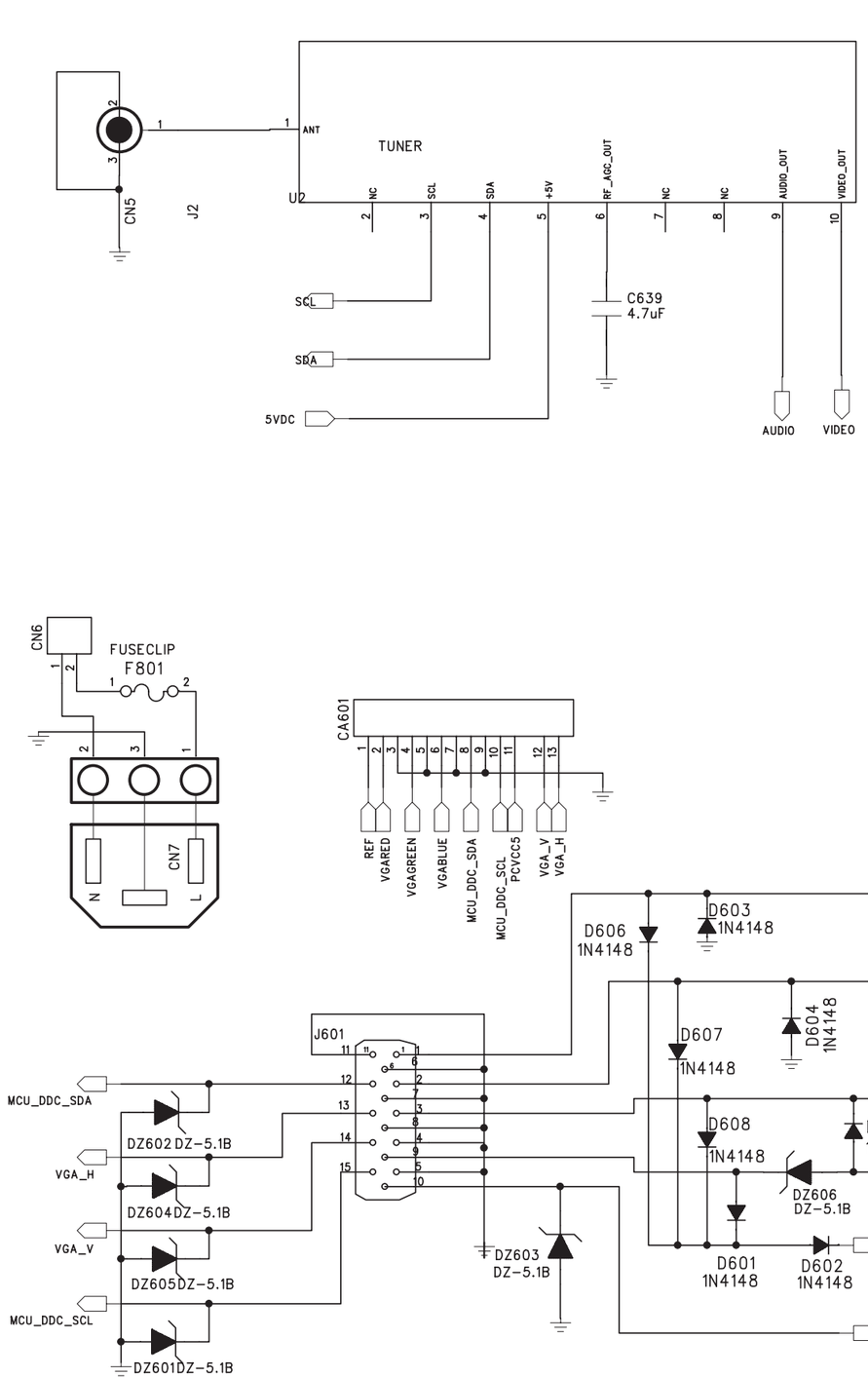
## LCD Panel Interface Section



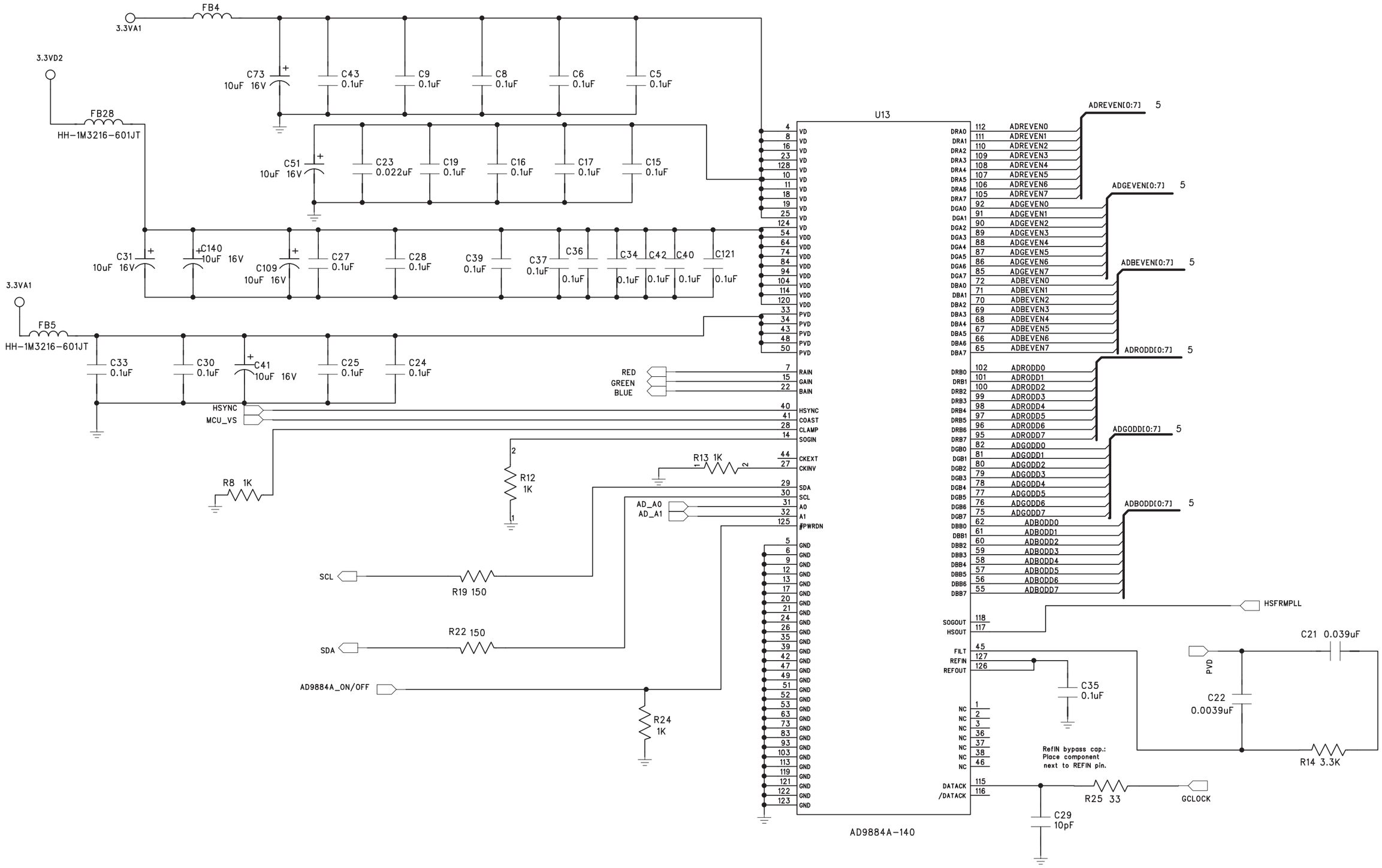
## Power Distribution Section



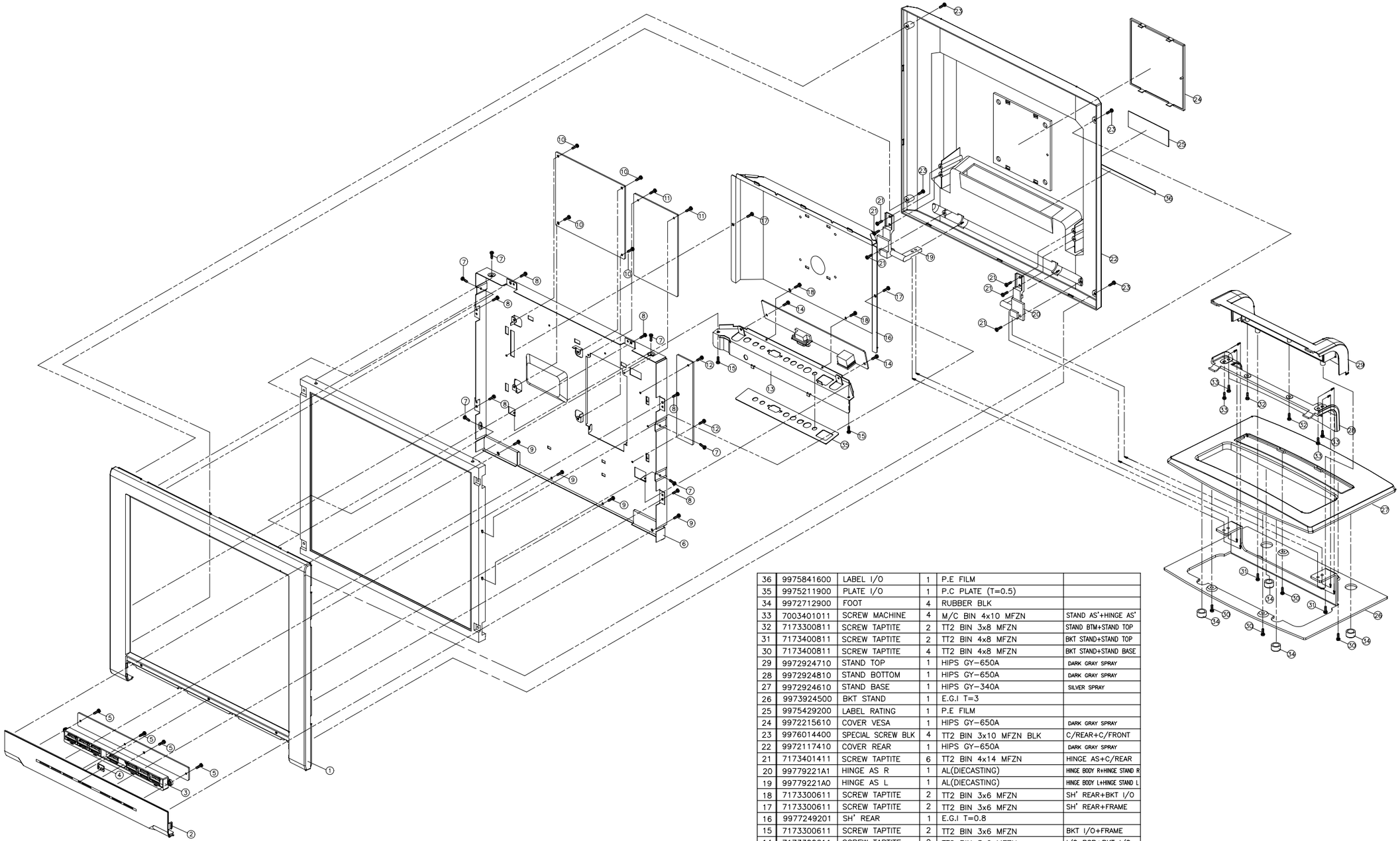
## Audio Interface Section



## Analog ADC (AD9884A-140) Section



# EXPLODED VIEW & MECHANICAL PARTS LIST



| NO | PART CODE | PART NAME | Q'TY | DESCRIPTION | REMARK |
|---|---|---|---|---|---|
| 36 | 9975841600 | LABEL I/O | 1 | P.E FILM | |
| 35 | 9975211900 | PLATE I/O | 1 | P.C PLATE (T=0.5) | |
| 34 | 9972712900 | FOOT | 4 | RUBBER BLK | |
| 33 | 7003401011 | SCREW MACHINE | 4 | M/C BIN 4x10 MFZN | STAND AS'+HINGE AS' |
| 32 | 7173300811 | SCREW TAPTITE | 2 | TT2 BIN 3x8 MFZN | STAND BTM+STAND TOP |
| 31 | 7173400811 | SCREW TAPTITE | 2 | TT2 BIN 4x8 MFZN | BKT STAND+STAND TOP |
| 30 | 7173400811 | SCREW TAPTITE | 4 | TT2 BIN 4x8 MFZN | BKT STAND+STAND BASE |
| 29 | 9972924710 | STAND TOP | 1 | HIPS GY-650A | DARK GRAY SPRAY |
| 28 | 9972924810 | STAND BOTTOM | 1 | HIPS GY-650A | DARK GRAY SPRAY |
| 27 | 9972924610 | STAND BASE | 1 | HIPS GY-340A | SILVER SPRAY |
| 26 | 9973924500 | BKT STAND | 1 | E.G.I T=3 | |
| 25 | 9975429200 | LABEL RATING | 1 | P.E FILM | |
| 24 | 9972215610 | COVER VESA | 1 | HIPS GY-650A | DARK GRAY SPRAY |
| 23 | 9976014400 | SPECIAL SCREW BLK | 4 | TT2 BIN 3x10 MFZN BLK | C/REAR+C/FRONT |
| 22 | 9972117410 | COVER REAR | 1 | HIPS GY-650A | DARK GRAY SPRAY |
| 21 | 7173401411 | SCREW TAPTITE | 6 | TT2 BIN 4x14 MFZN | HINGE AS+C/REAR |
| 20 | 99779221A1 | HINGE AS R | 1 | AL(DIECASTING) | HINGE BODY R+HINGE STAND R |
| 19 | 99779221A0 | HINGE AS L | 1 | AL(DIECASTING) | HINGE BODY L+HINGE STAND L |
| 18 | 7173300611 | SCREW TAPTITE | 2 | TT2 BIN 3x6 MFZN | SH' REAR+BKT I/O |
| 17 | 7173300611 | SCREW TAPTITE | 2 | TT2 BIN 3x6 MFZN | SH' REAR+FRAME |
| 16 | 9977249201 | SH' REAR | 1 | E.G.I T=0.8 | |
| 15 | 7173300611 | SCREW TAPTITE | 2 | TT2 BIN 3x6 MFZN | BKT I/O+FRAME |
| 14 | 7173300611 | SCREW TAPTITE | 2 | TT2 BIN 3x6 MFZN | I/O PCB+BKT I/O |
| 13 | 9973924301 | BKT I/O | 1 | E.G.I T=1 | |
| 12 | 7173300611 | SCREW TAPTITE | 2 | TT2 BIN 3x6 MFZN | INVERTER PCB+FRAME |
| 11 | 7173300611 | SCREW TAPTITE | 2 | TT2 BIN 3x6 MFZN | POWER PCB+FRAME |
| 10 | 7173300611 | SCREW TAPTITE | 4 | TT2 BIN 3x6 MFZN | SCALER PCB+FRAME |
| 9 | 7173300811 | SCREW TAPTITE | 4 | TT2 BIN 3x8 MFZN | FRAME+D/FRONT |
| 8 | 7173300811 | SCREW TAPTITE | 6 | TT2 BIN 3x8 MFZN | FRAME+C/FRONT |
| 7 | 7003300611 | SCREW MACHINE | 6 | M/C BIN 3x6 MFZN | FRAME+PANEL |
| 6 | 9974116800 | FRAME | 1 | E.G.I T=0.8 | |
| 5 | 7178300811 | SCREW TAPTITE | 4 | TT2 WAS 3x8 MFZN | CONT' PCB+D/FRONT |
| 4 | 9977922000 | LENS LED | 1 | ACRYL | |
| 3 | 9974826800 | BUTTON TACT | 1 | HB-ABS GY-275A | |
| 2 | 9975112510 | DECO FRONT | 1 | HIPS GY-340A | SILVER SPRAY |
| 1 | 9972022210 | COVER FRONT | 1 | HIPS GY-340A | SILVER SPRAY |

# INFORMATION OF PART DESCRIPTION

## Important Safety Notice

Components identified with the International Symbol have special characteristics important for safety. When replacing any components, use only manufacturer's specified parts.

## Abbreviation of Description

**RESISTOR Description**

| Tolerance | |
|---|---|
| F | ± 1% |
| J | ± 5% |
| K | ± 10% |
| M | ± 20% |
| G | ± 2% |

**Example:**

| Fig & Index | Part No | Description |
|---|---|---|
| R101 | Resistors | |
| | RD-4Z820J | Carbon : 82J |
| R30 | HRFS472JBA | Chip 4.7K OHM J |

**CAPACITOR Description**

| Tolerance | |
|---|---|
| C | ± 0.25pF |
| D | ± 0.5% |
| F | ± 1pF |
| J | ± 5% |
| K | ± 10% |
| P | ± 100% ~ 0% |
| Z | ± 80% ~ – |

**Example:**

| Fig & Index | Part No | Description |
|---|---|---|
| | Capacitors | |
| C28 | HCFK104ZBA | Chip Cera 50V Z |
| C63 | HCBK393KBA | Chip Cera 50V K |
| C44 | HCQK102JBA | Chip Cera 50V J |

# ELECTRICAL PARTS LIST (L700C/L700CM/L701C/L701CM)

The components identified by mark ⚠ have special characteristics important for safety and x-ray radiation. These should be replaced only with the types specified in the parts list.

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| **1** | **Z1010** | **PCFMCAJ191(192)** | **COVER FRONT AS** | **CML-700C(L700CM)** | |
| 2 | CA001 | 9970703000 | CONN AS | 12507HS-30+FI-X30H+20276=220(LVDS) | |
| 2 | CA002 | 9970710281 | CONN AS | 0.12*3*16+35750-0910*2=80 | |
| 2 | LCD | 9979617090 | LCD PANEL | L170E3 EC-5 | |
| 2 | YF010 | 99720222A1 | COVER FRONT AS | CML-700C C/FRONT AS | |
| 2 | YF020 | 9977249201 | SHIELD REAR | E.G.I T=0.8 | |
| 2 | YF030 | 7003300811 | SCREW MACHINE | BIN 3X8 MFZN | |
| 2 | YF050 | 7173301011 | SCREW TAPPTITE | TT2 BIN 3X10 MFZN | |
| 2 | YF060 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN | |
| 2 | YF070 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN | |
| 2 | YF080 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN | |
| 2 | YF090 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN | |
| ⚠ 2 | YF100 | DDM1700C-- | LCD INVERTER | DMI-700C | |
| 2 | YF110 | 9972712800 | FOOT | RUBBER | |
| 2 | Z2020 | PCMPM1J191(192) | **PCB MAIN MANUAL AS** | CML-700C(L700CM) | |
| 3 | CON1 | 9979220119 | CONN WAFER | YDW200-12 | |
| 3 | CON2 | 9979220118 | CONN WAFER | YDW200-10 | |
| 3 | CON5 | 9979220101 | CONN WAFER | SMW200-06/68162-0610 | |
| 3 | PCB1 | 9979800581 | PCB MAIN | T=1.6*145*125 | |
| 3 | U6 | 1MTV312MV- | IC MICOM | MTV312MV64 | |
| 3 | Y2 | 5XJ12R000E | CRYSTAL QUARTZ | HC-49/S 12.00000MHZ 30PPM | |
| 3 | Z3030 | PCMPJ1J191(192) | **PCB SMD AS** | CML-700C(L700CM) | |
| 4 | C1 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C10 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 | |
| 4 | C101 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C102 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C103 | HCQK150JBA | C CHIP CERA | 50V CH 15PF J 1608 | |
| 4 | C104 | HCQK150JBA | C CHIP CERA | 50V CH 15PF J 1608 | |
| 4 | C105 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C106 | HCEJC220MC | C CHIP ELECTRO | 6.3V 22MF MV 4052 | |
| 4 | C108 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C109 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C11 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 | |
| 4 | C110 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 | |
| 4 | C111 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 | |
| 4 | C112 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 | |
| 4 | C113 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H | |
| 4 | C114 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H | |
| 4 | C115 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C116 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C117 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C118 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C119 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C12 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 | |
| 4 | C120 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C121 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C122 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C123 | HCQK180JBA | C CHIP CERA | 50V CH 18PF J 1608 | |
| 4 | C124 | HCQK180JBA | C CHIP CERA | 50V CH 18PF J 1608 | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 4 | C125 | HCQK180JBA | C CHIP CERA | 50V CH 18PF J 1608 | |
| 4 | C126 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C127 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C128 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C129 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H | |
| 4 | C130 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H | |
| 4 | C131 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C132 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C133 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C134 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C135 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C137 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C138 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C14 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C140 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C141 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C144 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H | |
| 4 | C145 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C146 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C147 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C148 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C149 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C15 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C150 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C151 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C153 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C154 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C155 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C157 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C158 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C159 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C16 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C161 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C162 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C163 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C164 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C165 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C167 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C168 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C169 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C17 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C171 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C172 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C173 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C174 | HCQK330JBA | C CHIP CERA | 50V CH 33PF J 1608 | |
| 4 | C175 | HCQK330JBA | C CHIP CERA | 50V CH 33PF J 1608 | |
| 4 | C18 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C181 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C183 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H | |
| 4 | C19 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C190 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 4 | C191 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C192 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H | |
| 4 | C193 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C194 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C20 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C201 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H | |
| 4 | C202 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C203 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H | |
| 4 | C204 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C21 | HCBK393KBA | C CHIP CERA | 50V X7R 0.039MF K 1608 | |
| 4 | C212 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H | |
| 4 | C216 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C22 | HCBK392KBA | C CHIP CERA | 50V X7R 3900PF K 1608 | |
| 4 | C23 | HCBK223KBA | C CHIP CERA | 50V X7R 0.022MF K 1608 | |
| 4 | C24 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C25 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C26 | HCQK101JBA | C CHIP CERA | 50V CH 100PF J 1608 | |
| 4 | C27 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C28 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C30 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C31 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C32 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C33 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C34 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C35 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C36 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C37 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C39 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C4 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 | |
| 4 | C40 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C41 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C42 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C43 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C5 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C51 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C6 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C7 | HCQK331JBA | C CHIP CERA | 50V CH 330PF J 1608 | |
| 4 | C73 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 | |
| 4 | C8 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | C9 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 | |
| 4 | CON7 | 9979220152 | LVDS WAFER | 12507WR-30 | |
| 4 | FB13 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB14 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB16 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB17 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB18 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB19 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB20 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB21 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB22 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB23 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 4 | FB24 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB25 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB26 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB28 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB29 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB30 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB31 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB34 | HRFT000JCA | R CHIP | 1/10 0 OHM J 2012 | |
| 4 | FB36 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB37 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB4 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB40 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | FB5 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT | |
| 4 | Q1 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) | |
| 4 | Q2 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) | |
| 4 | Q3 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) | |
| 4 | Q4 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) | |
| 4 | Q5 | TFDS4435A- | FET | FDS4435A | |
| 4 | R1 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 | |
| 4 | R10 | HRFS750JBA | R CHIP | 1/16 75 OHM J 1608 | |
| 4 | R100 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R101 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R102 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R104 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R105 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R106 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 | |
| 4 | R107 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 | |
| 4 | R108 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R109 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R11 | HRFS750JBA | R CHIP | 1/16 75 OHM J 1608 | |
| 4 | R110 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R111 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 | |
| 4 | R112 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 | |
| 4 | R113 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R114 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R115 | HRFS223JBA | R CHIP | 1/16 22K OHM J 1608 | |
| 4 | R116 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R12 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R121 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R122 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R123 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R124 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R128 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R129 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R13 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R130 | HRFS105JBA | R CHIP | 1/16 1M OHM J 1608 | |
| 4 | R131 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R132 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R133 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R134 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R135 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 4 | R136 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R14 | HRFS332JBA | R CHIP | 1/16 3.3K OHM J 1608 | |
| 4 | R142 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R143 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R16 | HRFS121JBA | R CHIP | 1/16 120 OHM J 1608 | |
| 4 | R17 | HRFS121JBA | R CHIP | 1/16 120 OHM J 1608 | |
| 4 | R18 | HRFS121JBA | R CHIP | 1/16 120 OHM J 1608 | |
| 4 | R19 | HRFS151JBA | R CHIP | 1/16 150 OHM J 1608 | |
| 4 | R2 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R22 | HRFS151JBA | R CHIP | 1/16 150 OHM J 1608 | |
| 4 | R24 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R25 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R26 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R27 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R28 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R3 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R4 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 | |
| 4 | R6 | HRFS223JBA | R CHIP | 1/16 22K OHM J 1608 | |
| 4 | R67 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R68 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R69 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R7 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 | |
| 4 | R70 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R71 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R72 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R73 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R74 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R75 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R76 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R77 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R8 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 | |
| 4 | R83 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R84 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R85 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R88 | HRFS105JBA | R CHIP | 1/16 1M OHM J 1608 | |
| 4 | R9 | HRFS750JBA | R CHIP | 1/16 75 OHM J 1608 | |
| 4 | R92 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R93 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R94 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R96 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 | |
| 4 | R97 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R98 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | R99 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 | |
| 4 | RA10 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA12 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA14 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA16 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA18 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA2 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA20 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA22 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 4 | RA24 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA28 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA29 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA30 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA31 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA32 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA33 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA34 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA35 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA36 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA37 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA38 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA39 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA4 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA6 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | RA8 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 | |
| 4 | U1 | 174ACT14SC | IC INVERTER | 74ACT14SCX | |
| 4 | U10 | 1NT7181F-- | IC LVDS | NT7181F | |
| 4 | U11 | 1NT7181F-- | IC LVDS | NT7181F | |
| 4 | U13 | 1AD9884A-- | IC ADC | AD9884A-140 | |
| 4 | U14 | 1LM1117--- | IC REGULATOR | LM1117 | |
| 4 | U6S | 9979300502 | SOCKET IC | PLCC 1.27PT 44PIN(22*22) | |
| 4 | U7 | 1K1A7042AF | IC RESET | KIA7042AF | |
| 4 | U8 | 1CAT24WC08 | IC EEPROM | CAT24WC08 J | |
| 4 | U9 | 1AS1311--- | IC LCD CONTROLLER | AS1311 | |
| 4 | Y3 | 5XS14R318F | CRYSTAL QUARTZ | HC-49/SM5H 14.318MHZ 18PF | |
| 2 | Z2030 | PCPLSWJ184 | **PCB CONTROL AS** | CML-700CAV | |
| 3 | CN901 | 9970760050 | CONN AS | SMH200+YBNH200+1007=240 | |
| 3 | LED1 | DSD50GYW-- | LED | SD50GYW(GREEN/AMBER) | |
| 3 | Z3040 | PCPLJRJ184 | PCB CONTROL RAD.AS | CML-700C | |
| 4 | SW901 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | SW902 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | SW903 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | SW904 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | SW905 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | SW906 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | SW907 | 5S50101Z10 | SW TACT | KPT-1115AM | |
| 4 | Z4040 | PCPLJAJ184 | PCB CONTROL AXIAL AS | CML-700C | |
| 5 | PCB | 9979800582 | PCB CONTROL | T=1.6*245*22 | |
| 5 | R901 | RD-AZ303J- | R CARBON FILM | 1/6 30K OHM J | |
| 5 | R902 | RD-AZ153J- | R CARBON FILM | 1/6 15K OHM J | |
| 5 | R903 | RD-AZ302J- | R CARBON FILM | 1/6 3K OHM J | |
| 5 | R904 | RD-AZ471J- | R CARBON FILM | 1/6 470 OHM J | |
| 5 | R905 | RD-AZ302J- | R CARBON FILM | 1/6 3K OHM J | |
| 5 | R906 | RD-AZ153J- | R CARBON FILM | 1/6 15K OHM J | |
| 5 | R907 | RD-AZ471J- | R CARBON FILM | 1/6 470 OHM J | |
| 2 | Z2040 | PCSMSWJ189 | **POWER PCB AS** | CML-700CM | |
| 3 | C801 | CL1GB3334M | C LINE ACROSS | U/C/V/S/N/D/E/SV 250V | |
| 3 | C802 | CEYP2G680Z | C ELECTRO | 400V SLT 68MF (25*20) | |
| 3 | C807 | CCYB3A103K | C CERA | 1KV B 0.01MF K | |
| 3 | C824 | CH1FDF103M | C CERA AC | 2.5KV 0.01MF M AC250V | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 3 | CN2A | 99707A0024 | CONN AS | 35164+YDH200+2464#24=150 | |
| 3 | CN4A | 9970750037 | CONN AS | 5264+35164+2464#24=135 | |
| 3 | CN6A | 9979200203 | CONN WAFER | YW396-03AV | |
| 3 | D801 | DD3SBA60-- | DIODE | D3SBA60 | |
| 3 | D811 | PCHCSWJ184 | HEAT SINK C AS | CML-700C | |
| 4 | 00010 | 9977031900 | HEAT SINK 319 | AL T=2.0 | |
| 4 | 00020 | 9976012700 | SCREW SPECIAL | TT2 BIN 3*8 MFZN PW(D0.7) | |
| 4 | D811 | DFMLG22S-- | DIODE | FML-G22S | |
| 4 | IC802 | 1KA278R05- | IC REGULATOR | KA278R05 | |
| 3 | D812 | PCHASWJ184 | HEAT SINK A AS | CML-700C | |
| 4 | 00010 | 9977028305 | HEAT SINK 283 | A1050P-H24 H=29 | |
| 4 | 00020 | 9976012700 | SCREW SPECIAL | TT2 BIN 3*8 MFZN PW(D0.7) | |
| 4 | D812 | DFMLG22S-- | DIODE | FML-G22S | |
| 3 | D813 | DFMBG19L-- | DIODE | FMB-G19L | |
| 3 | IC803 | 1KA278R33- | IC REGULATOR | KA278R33 | |
| 3 | IC804 | 1TLP721GR- | IC PHOTO COUPLER | TLP721D4GR | |
| 3 | IC811 | 1KA78R05-- | IC REGULATOR | KA78R05 | |
| 3 | L801 | 5PDLF2323- | FILTER LINE | DLF-2323 | |
| 3 | L811 | 5MBFD3512R | COIL BEAD | BFD 3512 R2 | |
| 3 | Q801 | PCHBSWJ184 | HEAT SINK B AS | CML-700C | |
| 4 | 00010 | 9977028308 | HEAT SINK 283 | A1050P-H24 H=21.5 | |
| 4 | 00020 | 9976012700 | SCREW SPECIAL | TT2 BIN 3*8 MFZN PW(D0.7) | |
| 4 | Q801 | TSSS6N70A- | FET | SSS6N70A | |
| 3 | T801 | 5RM0000116 | TRANS SMPS | DMT-700C | |
| 3 | TH801 | DTP8D13--- | THERMISTOR | TP8D13 | |
| 3 | YFR10 | 9974116800 | FRAME | E.G.I T=0.8 | |
| 3 | YFR20 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN | |
| 3 | Z4010 | PCSMJ0J189 | PCB POWER ODD AS | CML-700C | |
| 4 | C835 | CEXF1E102D | C ELECTRO | 25V RMU 1000MF (10*20) | |
| 4 | C838 | CEXF1C471V | C ELECTRO | 16V RSS 470MF (10X12.5)TP | |
| 4 | C845 | CEXF1C102C | C ELECTRO | 16V RUS 1000MF (10X20) TP | |
| 4 | C850 | CEXF1C471V | C ELECTRO | 16V RSS 470MF (10X12.5)TP | |
| 4 | C851 | CEXF1C471C | C ELECTRO | 16V RUS 470MF (10X12.5)TP | |
| 4 | IC801 | 1KA3842B-- | IC POWER | KA3842B | |
| 4 | Z5010 | PCSMJRJ189 | PCB POWER RADIAL AS | CML-700C | |
| 5 | C803 | CEXF1C101V | C ELECTRO | 16V RSS 100MF (6.3X11) TP | |
| 5 | C805 | CEXF1H330V | C ELECTRO | 50V RSS 33MF (6.3X11) TP | |
| 5 | C808 | CCXF1H104Z | C CERA | 50V F 0.1MF Z | |
| 5 | C809 | CEXF1H109V | C ELECTRO | 50V RSS 1MF (5X11) TP | |
| 5 | C811 | CMXM2A103J | C MYLAR | 100V 0.01MF J (TP) | |
| 5 | C812 | CXSL3A470K | C CERA | 1KV SL 47PF K (TP) | |
| 5 | C813 | CCXB1H681K | C CERA | 50V B 680PF K (TAPPING) | |
| 5 | C843 | CCXF1H104Z | C CERA | 50V F 0.1MF Z | |
| 5 | C844 | CCXF1H104Z | C CERA | 50V F 0.1MF Z | |
| 5 | C848 | CEXF1H109V | C ELECTRO | 50V RSS 1MF (5X11) TP | |
| 5 | C859 | CEXF1E101V | C ELECTRO | 25V RSS 100MF (6.3X11) TP | |
| 5 | IC805 | 1KA431ZTA- | IC SHUNT | KA431ZTA | |
| 5 | Q802 | TZTC3198Y- | TRANSISTOR | KTC3198Y-(1815Y) (AUTO) | |
| 5 | Q810 | TZTC3202Y- | TR | KTC3202Y (AUTO)(1959Y) | |
| 5 | Z6010 | PCSMJAJ189 | PCB POWER AXIAL AS | CML-700C | |
| 6 | B801 | 5PB13857-- | COIL BEAD | BI3857(AXIAL) | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 6 | D805 | DZN4148--- | DIODE | 1N4148 AUTO 52MM | |
| 6 | D807 | DUF4007--- | DIODE | UF4007 | |
| 6 | D809 | DUG2D----- | DIODE | UG2D 200V 2A | |
| 6 | DZ803 | DDZ22BM--- | DIODE ZENER | DZ22BM | |
| 6 | DZ806 | DGDZJ18C-- | DIODE ZENER | GDZJ 18C | |
| 6 | J803 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J805 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J806 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J807 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J808 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J811 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J812 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J815 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J819 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J821 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J823 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J825 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J827 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J828 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J829 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J830 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J832 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J836 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J837 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J838 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J839 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J841 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J842 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J843 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J844 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | J845 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING | |
| 6 | PCB1 | 9979800588 | PCB POWER | T=1.6*135*85 | |
| 6 | R801 | RD-2Z684J- | R CARBON FILM | 1/2 680K OHM J | |
| 6 | R803 | RS01Z513J- | R M-OXIDE FILM | 1W 51K OHM J | |
| 6 | R804 | RS01Z513J- | R M-OXIDE FILM | 1W 51K OHM J | |
| 6 | R805 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J | |
| 6 | R806 | RD-AZ333J- | R CARBON FILM | 1/6 33K OHM J | |
| 6 | R807 | RN-AZ2001F | R METAL FILM | 1/6 2.0K OHM F | |
| 6 | R809 | RS01Z683J- | R M-OXIDE FILM | 1W 68K OHM J (TAPPING) | |
| 6 | R812 | RD-AZ470J- | R CARBON FILM | 1/6 47 OHM J | |
| 6 | R813 | RD-AZ223J- | R CARBON FILM | 1/6 22K OHM J | |
| 6 | R814 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J | |
| 6 | R815 | RW01Z758JN | R WIRE WOUND | 1W 0.75 OHM J NON-INDUCT | |
| 6 | R820 | RD-AZ180J- | R CARBON FILM | 1/6 18 OHM J | |
| 6 | R822 | RD-AZ681J- | R CARBON FILM | 1/6 680 OHM J | |
| 6 | R825 | RD-AZ479J- | R CARBON FILM | 1/6 4.7 OHM J | |
| 6 | R826 | RD-AZ333J- | R CARBON FILM | 1/6 33K OHM J | |
| 6 | R827 | RD-AZ151J- | R CARBON FILM | 1/6 150 OHM J | |
| 6 | R832 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J | |
| 6 | R837 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J | |
| 6 | R839 | RN-AZ1002F | R METAL FILM | 1/6 10K OHM F | |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC | NOTE |
|---|---|---|---|---|---|
| 6 | R840 | RN-AZ6491F | R METAL FILM | 1/6W 6.49K OHM F (TP) | |
| 6 | R841 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J | |
| 6 | R854 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J | |
| 6 | R855 | RD-4Z512J- | R CARBON FILM | 1/4 5.1K OHM J | |
| 2 | Z2050 | PCDSSWJ191(192) | **PCB D-SUB AS** | CML-700C(L700CM) | |
| 3 | CA601 | 99707C0017 | CONN AS | YDH200-12+YBNH200-14+2990 9C=175(RGB) | |
| 3 | CN6 | 9970720090 | CONN AS | YH396-03V+35404-9002+1617#22=70 | |
| 3 | CN7 | 9979200317 | SOCKET AC INLET | ST-03B-BP | |
| 3 | F801 | 5F3CB3122L | FUSE CERA | SEMKO TL 3.15AH 250V MF51 | |
| 3 | J601 | 9979200207 | D-SUB 15P ANGLE | 15P DDC BLUE W/OUT SCREW | |
| 3 | YSB10 | 9973924301 | BKT I/O | E.G.I. T=1.0 | |
| 3 | YSB20 | 9975211901 | PLATE I/O | P.C T=0.5 (L520BM) | |
| 3 | YSB30 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN | |
| 3 | Z4020 | PCDSJRJ191(192) | PCB D-SUB RAD AS | CML-700C(L700CM) | |
| 4 | C606 | CXCH1H120J | C CERA | 50V CH 12PF J (TAPPING) | |
| 4 | C607 | CXCH1H120J | C CERA | 50V CH 12PF J (TAPPING) | |
| 4 | C608 | CXCH1H120J | C CERA | 50V CH 12PF J (TAPPING) | |
| 4 | F801A | 9977410900 | FUSE CLIP | BSP3-H T0.4 SN 5.2 | |
| 4 | F801B | 9977410900 | FUSE CLIP | BSP3-H T0.4 SN 5.2 | |
| 4 | Z5020 | PCDSJAJ191(192) | PCB D-SUB AXL AS | CML-700C(L700CM) | |
| 5 | D601 | DZN4148--- | DIODE | 1N4148 AUTO 52MM | |
| 5 | D602 | DZN4148--- | DIODE | 1N4148 AUTO 52MM | |
| 5 | D606 | DZN4148--- | DIODE | 1N4148 AUTO 52MM | |
| 5 | D607 | DZN4148--- | DIODE | 1N4148 AUTO 52MM | |
| 5 | D608 | DZN4148--- | DIODE | 1N4148 AUTO 52MM | |
| 5 | DZ602 | DDZ5R1B--- | DIODE ZENER | DZ-5.1B | |
| 5 | DZ603 | DDZ5R1B--- | DIODE ZENER | DZ-5.1B | |
| 5 | DZ604 | DDZ5R1B--- | DIODE ZENER | DZ-5.1B | |
| 5 | DZ605 | DDZ5R1B--- | DIODE ZENER | DZ-5.1B | |
| 5 | DZ606 | DDZ5R1B--- | DIODE ZENER | DZ-5.1B | |
| 5 | DZ607 | DDZ5R1B--- | DIODE ZENER | DZ-5.1B | |
| 5 | PCB | 9979800593 | PCB JACK DVI | T=1.6*222*33 | |
| **1** | **Z1020** | **PCBCCPJ191(192)** | **COVER REAR AS** | **CML-700C(L700CM)** | |
| 2 | YR010 | 99721174A1 | COVER REAR AS | CML-700C C/REAR AS | |
| 2 | YR020 | 7173301212 | SCREW TAPPTITE | TT2 BIN 3X12 MFZN BK | |
| 2 | YR030 | 9975429700 | LABEL RATING | L700CM (DW) | |
| 2 | YR040 | 9975841600 | LABEL I/O | P.E T=0.1*191*7 (L520B) | |
| 2 | YR050 | 7003401011 | SCREW MACHINE | BIN 4X10 MFZN | |
| **1** | **Z1030** | **PCSSSWJ184** | **STAND AS** | **CML-700C** | |
| 2 | YST10 | 99729246A1 | STAND AS | CML-700C STAND AS | |
| **1** | **Z1040** | **PCPKCPJ191(192)** | **PACKING AS** | **CML-700C(L700CM)** | |
| 2 | YP010 | 9978046400 | BOX CARTON | SW-3 (DW) | |
| 2 | YP020 | 9978136400 | CUSHION | E.P.S | |
| 2 | YP030 | 9978215400 | BAG POLY | PEHD T=0.5*600*850 | |
| 2 | YP040 | 2TP00075CL | TAPE OPP | 50X75 CLEAR | |
| 2 | YP050 | 99722160A0 | SPEAKER AS | CML-700CAV SPEAKER | L700CM/L701CM Only |
| 2 | YP060 | 99786320A0 | PMA ASS'Y | W/WIDE | |
| 2 | YP070 | 9977713900 | PARTITION ADAPTOR | SW-3 | |
| 2 | YP080 | 9979720034 | ADAPTER POWER | L5A-120110R, DC 12V 1A(EUR) | L700CM/L701CM Only |

# ELECTRICAL PARTS LIST (L700CAV)

The components identified by mark ⚠ have special characteristics important for safety and x-ray radiation. These should be replaced only with the types specified in the parts list.

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| **1** | **Z1010** | **PCFMCAJ184** | **COVER FRONT AS** | **CML-700CAV** |
| 2 | CA001 | 9970703000 | CONN AS | 12507HS-30+FI-X30H+20276=220(LVDS) |
| 2 | CA002 | 9970710281 | CONN AS | 0.12*3*16+35750-0910*2=80 |
| 2 | LCD | 9979617090 | LCD PANEL | L170E3 EC-5 |
| 2 | YF010 | 99720222A1 | COVER FRONT AS | CML-700C C/FRONT AS |
| 2 | YF020 | 9977249201 | SHIELD REAR | E.G.I T=0.8 |
| 2 | YF030 | 7003300811 | SCREW MACHINE | BIN 3X8 MFZN |
| 2 | YF050 | 7173301011 | SCREW TAPPTITE | TT2 BIN 3X10 MFZN |
| 2 | YF060 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN |
| 2 | YF070 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN |
| 2 | YF080 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN |
| 2 | YF090 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN |
| ⚠ 2 | YF100 | DDM1700C-- | LCD INVERTER | DMI-700C |
| 2 | YF110 | 9972712800 | FOOT | RUBBER |
| 2 | YF120 | 9974116800 | FRAME | E.G.I T=0.8 |
| 2 | YF130 | 9976011600 | SCREW SPECIAL | TT2 BIN 3*8 MFSN |
| 2 | YF140 | 7178300611 | SCREW TAPPTITE | TT2 WAS 3X6 MFZN |
| 2 | Z2020 | PCMPM1J184 | **PCB MAIN MANUAL AS** | CML-700CAV |
| 3 | CON1 | 9979220119 | CONN WAFER | YDW200-12 |
| 3 | CON2 | 9979220118 | CONN WAFER | YDW200-10 |
| 3 | CON4 | 9979220151 | CONN WAFER | YDW200-08 |
| 3 | CON5 | 9979220101 | CONN WAFER | SMW200-06/68162-0610 |
| 3 | PCB1 | 9979800581 | PCB MAIN | T=1.6*145*125 |
| 3 | U6 | 1MTV312MV- | IC MICOM | MTV312MV64 |
| 3 | Y2 | 5XJ12R000E | CRYSTAL QUARTZ | HC-49/S 12.00000MHZ 30PPM |
| 3 | Z3030 | PCMPJ1J184 | **PCB SMD AS** | CML-700CAV |
| 4 | C1 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C10 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C100 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C101 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C102 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C103 | HCQK150JBA | C CHIP CERA | 50V CH 15PF J 1608 |
| 4 | C104 | HCQK150JBA | C CHIP CERA | 50V CH 15PF J 1608 |
| 4 | C105 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C106 | HCEJC220MC | C CHIP ELECTRO | 6.3V 22MF MV 4052 |
| 4 | C107 | HCEPF221ME | C CHIP ELECTRO | MV 16V 220MF D8.0XH1.0 |
| 4 | C108 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C109 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C11 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C110 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C111 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C112 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C113 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H |
| 4 | C114 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H |
| 4 | C115 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C116 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C117 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C118 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C119 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | C12 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C120 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C121 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C122 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C123 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C124 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C125 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C126 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C127 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C128 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C129 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H |
| 4 | C13 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C130 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H |
| 4 | C131 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C132 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C133 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C134 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C135 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C138 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C14 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C141 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C144 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H |
| 4 | C145 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C146 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C147 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C148 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C149 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C15 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C150 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C151 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C153 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C154 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C155 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C157 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C158 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C159 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C161 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C162 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C163 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C164 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C165 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C167 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C168 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C169 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C17 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C171 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C172 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C173 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C174 | HCQK330JBA | C CHIP CERA | 50V CH 33PF J 1608 |
| 4 | C175 | HCQK330JBA | C CHIP CERA | 50V CH 33PF J 1608 |
| 4 | C181 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | C183 | HCEDC470MC | C CHIP ELECTRO | MV 6.3V 47MF 5DX5.2H |
| 4 | C190 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H |
| 4 | C191 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C192 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H |
| 4 | C193 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C194 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C20 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C201 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H |
| 4 | C202 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C203 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H |
| 4 | C204 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C21 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C212 | HCEEF101MD | C CHIP ELECTRO | MV 16V 100MF M 6.3DX5.7H |
| 4 | C216 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C23 | HCBK223KBA | C CHIP CERA | 50V X7R 0.022MF K 1608 |
| 4 | C24 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C25 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C26 | HCQK101JBA | C CHIP CERA | 50V CH 100PF J 1608 |
| 4 | C27 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C28 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C30 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C31 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C32 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C34 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C35 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C36 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C37 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C38 | HCQK101JBA | C CHIP CERA | 50V CH 100PF J 1608 |
| 4 | C39 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C4 | HCQK100JBA | C CHIP CERA | 50V CH 10PF J 1608 |
| 4 | C40 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C42 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C5 | HCQK101JBA | C CHIP CERA | 50V CH 100PF J 1608 |
| 4 | C51 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C6 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C68 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C69 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C7 | HCQK331JBA | C CHIP CERA | 50V CH 330PF J 1608 |
| 4 | C70 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C71 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C72 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C73 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C74 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C75 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C76 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C77 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C78 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C79 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C8 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C80 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C81 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | C82 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C83 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C84 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C85 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C86 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C88 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C9 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C90 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C92 | HCQK200JBA | C CHIP CERA | 50V CH 20PF J 1608 |
| 4 | C93 | HCQK200JBA | C CHIP CERA | 50V CH 20PF J 1608 |
| 4 | C94 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C95 | HCBK102KBA | C CHIP CERA | 50V X7R 1000PF K 1608 |
| 4 | C97 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C98 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | C99 | HCFH473ZBA | C CHIP CERA | 25V Y5V 0.047MF Z 1608 |
| 4 | CON7 | 9979220152 | LVDS WAFER | 12507WR-30 |
| 4 | FB11 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB12 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB13 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB14 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB15 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB16 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB17 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB18 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB19 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB2 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB20 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB21 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB22 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB23 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB24 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB25 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB26 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB28 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB29 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB30 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB31 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB34 | HRFT000JCA | R CHIP | 1/10 0 OHM J 2012 |
| 4 | FB36 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB37 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB4 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | FB40 | HFFHH1M601 | COIL CHIP BEAD | HH-1M3216-601JT |
| 4 | L1 | HLCF1103MT | COIL CHIP INDUCTOR | FI-C3216-103MJT |
| 4 | Q1 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) |
| 4 | Q2 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) |
| 4 | Q3 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) |
| 4 | Q4 | TKTC3875SY | TR CHIP | KTC3875SY(RTK) |
| 4 | Q5 | TFDS4435A- | FET | FDS4435A |
| 4 | R10 | HRFS750JBA | R CHIP | 1/16 75 OHM J 1608 |
| 4 | R100 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R101 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | R102 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R104 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R105 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R106 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R107 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R108 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R109 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R11 | HRFS750JBA | R CHIP | 1/16 75 OHM J 1608 |
| 4 | R110 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R111 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R112 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R113 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R114 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R115 | HRFS223JBA | R CHIP | 1/16 22K OHM J 1608 |
| 4 | R116 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R118 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R119 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R12 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R121 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R122 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R123 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R124 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R128 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R129 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R13 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R130 | HRFS105JBA | R CHIP | 1/16 1M OHM J 1608 |
| 4 | R131 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R132 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R133 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R134 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R135 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R136 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R14 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R142 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R143 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R16 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R17 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R18 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R19 | HRFS151JBA | R CHIP | 1/16 150 OHM J 1608 |
| 4 | R2 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R20 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R21 | HRFS103JBA | R CHIP | 1/16 10K OHM J 1608 |
| 4 | R22 | HRFS151JBA | R CHIP | 1/16 150 OHM J 1608 |
| 4 | R24 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R25 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R26 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R27 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R28 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R4 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R48 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R49 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | R50 | HRFS180JBA | R CHIP | 1/16 18 OHM J 1608 |
| 4 | R51 | HRFS560JBA | R CHIP | 1/16 56 OHM J 1608 |
| 4 | R52 | HRFS180JBA | R CHIP | 1/16 18 OHM J 1608 |
| 4 | R53 | HRFS560JBA | R CHIP | 1/16 56 OHM J 1608 |
| 4 | R54 | HRFS180JBA | R CHIP | 1/16 18 OHM J 1608 |
| 4 | R55 | HRFS560JBA | R CHIP | 1/16 56 OHM J 1608 |
| 4 | R57 | HRFS180JBA | R CHIP | 1/16 18 OHM J 1608 |
| 4 | R58 | HRFS560JBA | R CHIP | 1/16 56 OHM J 1608 |
| 4 | R59 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R6 | HRFS223JBA | R CHIP | 1/16 22K OHM J 1608 |
| 4 | R60 | HRFS332JBA | R CHIP | 1/16 3.3K OHM J 1608 |
| 4 | R64 | HRFS332JBA | R CHIP | 1/16 3.3K OHM J 1608 |
| 4 | R65 | HRFS332JBA | R CHIP | 1/16 3.3K OHM J 1608 |
| 4 | R66 | HRFS332JBA | R CHIP | 1/16 3.3K OHM J 1608 |
| 4 | R67 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R68 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R69 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R7 | HRFS330JBA | R CHIP | 1/16 33 OHM J 1608 |
| 4 | R70 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R71 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R72 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R73 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R74 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R75 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R76 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R77 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R8 | HRFS102JBA | R CHIP | 1/16 1K OHM J 1608 |
| 4 | R83 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R84 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R85 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R88 | HRFS105JBA | R CHIP | 1/16 1M OHM J 1608 |
| 4 | R9 | HRFS750JBA | R CHIP | 1/16 75 OHM J 1608 |
| 4 | R92 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R93 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R94 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R96 | HRFS000JBA | R CHIP | 1/16 0 OHM J 1608 |
| 4 | R97 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R98 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | R99 | HRFS472JBA | R CHIP | 1/16 4.7K OHM J 1608 |
| 4 | RA10 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA12 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA14 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA16 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA18 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA2 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA20 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA22 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA24 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA26 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA27 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA28 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | RA29 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA30 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA31 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA32 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA33 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA34 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA35 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA36 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA37 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA38 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA39 | HRTS8E330J | R CHIP ARRAY | 1/16 8P 33 OHM 3216 |
| 4 | RA4 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA6 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | RA8 | HRTS8E101J | R CHIP ARRAY | 1/16 8P 100 OHM 3216 |
| 4 | U1 | 174ACT14SC | IC INVERTER | 74ACT14SCX |
| 4 | U10 | 1NT7181F-- | IC LVDS | NT7181F |
| 4 | U11 | 1NT7181F-- | IC LVDS | NT7181F |
| 4 | U13 | 1SG9884A-- | IC ADC | SG9884A-1401 |
| 4 | U14 | 1LM1117--- | IC REGULATOR | LM1117 |
| 4 | U5 | 1SAA7114H- | IC DECODER | SAA7114H |
| 4 | U6S | 9979300502 | SOCKET IC | PLCC 1.27PT 44PIN(22*22) |
| 4 | U7 | 1K1A7042AF | IC RESET | KIA7042AF |
| 4 | U8 | 1CAT24WC08 | IC EEPROM | CAT24WC08 J |
| 4 | U9 | 1AS1311--- | IC LCD CONTROLLER | AS1311 |
| 4 | Y1 | 5XS24R576E | CRYSTAL QUARTZ | HC-49/SMD 24.576MHZ 20PF |
| 4 | Y3 | 5XS14R318F | CRYSTAL QUARTZ | HC-49/SM5H 14.318MHZ 18PF |
| 2 | Z2030 | PCPLSWJ184 | **PCB CONTROL AS** | CML-700CAV |
| 3 | CN901 | 9970760054 | CONN AS | SMH200-06+YBNH200-07+1007#26+CORE=290(TV SIGNAL) |
| 3 | LED1 | DSD50GYW-- | LED | SD50GYW(GREEN/AMBER) |
| 3 | Z3040 | PCPLJRJ184 | PCB CONTROL RAD.AS | CML-700C |
| 4 | SW901 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | SW902 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | SW903 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | SW904 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | SW905 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | SW906 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | SW907 | 5S50101Z10 | SW TACT | KPT-1115AM |
| 4 | Z4040 | PCPLJAJ184 | PCB CONTROL AXIAL AS | CML-700C |
| 5 | PCB | 9979800582 | PCB CONTROL | T=1.6*245*22 |
| 5 | R901 | RD-AZ303J- | R CARBON FILM | 1/6 30K OHM J |
| 5 | R902 | RD-AZ153J- | R CARBON FILM | 1/6 15K OHM J |
| 5 | R903 | RD-AZ302J- | R CARBON FILM | 1/6 3K OHM J |
| 5 | R904 | RD-AZ471J- | R CARBON FILM | 1/6 470 OHM J |
| 5 | R905 | RD-AZ302J- | R CARBON FILM | 1/6 3K OHM J |
| 5 | R906 | RD-AZ153J- | R CARBON FILM | 1/6 15K OHM J |
| 5 | R907 | RD-AZ471J- | R CARBON FILM | 1/6 470 OHM J |
| 2 | Z2040 | PCSMSWJ198 | **PCB POWER MAN AS** | CML-700CAV |
| 3 | C801 | CL1GB3334M | C LINE ACROSS | U/C/V/S/N/D/E/SV 250V |
| 3 | C802 | CEYP2G680Z | C ELECTRO | 400V SLT 68MF (25*20) |
| 3 | C807 | CCYB3A103K | C CERA | 1KV B 0.01MF K |
| 3 | C824 | CH1FDF103M | C CERA AC | 2.5KV 0.01MF M AC250V |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 3 | CN2A | 99707A0024 | CONN AS | 35164+YDH200+2464#24=150 |
| 3 | CN4A | 9970750037 | CONN AS | 5264+35164+2464#24=135 |
| 3 | CN6A | 9979200203 | CONN WAFER | YW396-03AV |
| 3 | D801 | DD3SBA60-- | DIODE | D3SBA60 |
| 3 | D811 | PCHCSWJ184 | HEAT SINK C AS | CML-700C |
| 4 | 00010 | 9977031900 | HEAT SINK 319 | AL T=2.0 |
| 4 | 00020 | 9976012700 | SCREW SPECIAL | TT2 BIN 3*8 MFZN PW(D0.7) |
| 4 | D811 | DFMLG22S-- | DIODE | FML-G22S |
| 4 | IC802 | 1KA278R05- | IC REGULATOR | KA278R05 |
| 3 | D812 | PCHASWJ210 | HEAT SINK A AS | CML-700C-1 |
| 4 | 00010 | 9977031900 | HEAT SINK 319 | AL T=2.0 |
| 4 | 00020 | 9976012700 | SCREW SPECIAL | TT2 BIN 3*8 MFZN PW(D0.7) |
| 4 | D812 | DFMLG22S-- | DIODE | FML-G22S |
| 4 | IC803 | 1KA278R33- | IC REGULATOR | KA278R33 |
| 3 | D813 | DFMBG19L-- | DIODE | FMB-G19L |
| 3 | IC804 | 1TLP721GR- | IC PHOTO COUPLER | TLP721D4GR |
| 3 | IC811 | 1KA78R05-- | IC REGULATOR | KA78R05 |
| 3 | L801 | 5PDLF2323- | FILTER LINE | DLF-2323 |
| 3 | P001 | 9970710280 | CONN AS | 1015#22(M)+SOLDER=180 |
| 3 | Q801 | PCHBSWJ210 | HEAT SINK B AS | CML-701C-1 |
| 4 | 00010 | 9977028308 | HEAT SINK 283 | A1050P-H24 H=21.5 |
| 4 | 00020 | 9976012700 | SCREW SPECIAL | TT2 BIN 3*8 MFZN PW(D0.7) |
| 4 | 00030 | 9976411600 | SHAFT | SWRM PIE2.5X9 SN PLATE |
| 4 | Q801 | TSSP7N60B- | FET | SSP7N60B |
| 3 | T801 | 5RM0000116 | TRANS SMPS | DMT-700C |
| 3 | TH801 | DTP8D13--- | THERMISTOR | TP8D13 |
| 3 | Z3040 | PCSMJ0J198 | PCB POWER ODD AS | CML-700CAV |
| 4 | C835 | CEXF1E102D | C ELECTRO | 25V RMU 1000MF (10*20) |
| 4 | C838 | CEXF1C471C | C ELECTRO | 16V RUS 470MF (10X12.5)TP |
| 4 | C839 | CEXF1E101C | C ELECTRO | 25V RUS 100MF (6.3X11) TP |
| 4 | C845 | CEXF1C102C | C ELECTRO | 16V RUS 1000MF (10X20) TP |
| 4 | C850 | CEXF1C471C | C ELECTRO | 16V RUS 470MF (10X12.5)TP |
| 4 | C851 | CEXF1C102C | C ELECTRO | 16V RUS 1000MF (10X20) TP |
| 4 | C855 | CEXF1C471C | C ELECTRO | 16V RUS 470MF (10X12.5)TP |
| 4 | C860 | CEXF1E471C | C ELECTRO | 25V RUS 470MF (10X16) TP |
| 4 | IC801 | 1KA3842B-- | IC POWER | KA3842B |
| 4 | Z4040 | PCSMJRJ198 | PCB POWER RADIAL AS | CML-700CAV |
| 5 | C803 | CEXF1C101V | C ELECTRO | 16V RSS 100MF (6.3X11) TP |
| 5 | C805 | CEXF1H330V | C ELECTRO | 50V RSS 33MF (6.3X11) TP |
| 5 | C808 | CCXF1H104Z | C CERA | 50V F 0.1MF Z |
| 5 | C809 | CEXF1H109V | C ELECTRO | 50V RSS 1MF (5X11) TP |
| 5 | C811 | CMXM2A103J | C MYLAR | 100V 0.01MF J (TP) |
| 5 | C812 | CXSL3A470K | C CERA | 1KV SL 47PF K (TP) |
| 5 | C813 | CCXB1H681K | C CERA | 50V B 680PF K (TAPPING) |
| 5 | C843 | CCXF1H104Z | C CERA | 50V F 0.1MF Z |
| 5 | C844 | CCXF1H104Z | C CERA | 50V F 0.1MF Z |
| 5 | C848 | CEXF1H109V | C ELECTRO | 50V RSS 1MF (5X11) TP |
| 5 | IC805 | 1KA431ZTA- | IC SHUNT | KA431ZTA |
| 5 | L811 | 5MBFD3512R | COIL BEAD | BFD 3512 R2 |
| 5 | Q802 | TZTC3198Y- | TRANSISTOR | KTC3198Y-(1815Y) (AUTO) |
| 5 | Q810 | TZTC3202Y- | TR | KTC3202Y (AUTO)(1959Y) |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 5 | Z5040 | PCSMJAJ198 | PCB POWER AXIAL AS | CML-700CAV |
| 6 | B801 | 5PB13857-- | COIL BEAD | BI3857(AXIAL) |
| 6 | D802 | DUG2D----- | DIODE | UG2D 200V 2A |
| 6 | D805 | DZN4148--- | DIODE | 1N4148 AUTO 52MM |
| 6 | D807 | DUF4007--- | DIODE | UF4007 |
| 6 | D809 | DUG2D----- | DIODE | UG2D 200V 2A |
| 6 | DZ803 | DDZ22BM--- | DIODE ZENER | DZ22BM |
| 6 | DZ806 | DGDZJ18C-- | DIODE ZENER | GDZJ 18C |
| 6 | J803 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J805 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J806 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J807 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J808 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J811 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J819 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J823 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J825 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J827 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J828 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J830 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J841 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J842 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J843 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J847 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J848 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J849 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J851 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J852 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J854 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | J856 | 85801065GY | WIRE COPPER | AWG22 1/0.65 TIN COATING |
| 6 | PCB1 | 9979800602 | PCB POWER | CML-700C-1 T=1.6*135*85 |
| 6 | R801 | RD-2Z684J- | R CARBON FILM | 1/2 680K OHM J |
| 6 | R803 | RS01Z513J- | R M-OXIDE FILM | 1W 51K OHM J |
| 6 | R804 | RS01Z513J- | R M-OXIDE FILM | 1W 51K OHM J |
| 6 | R805 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J |
| 6 | R806 | RD-AZ333J- | R CARBON FILM | 1/6 33K OHM J |
| 6 | R807 | RN-AZ2001F | R METAL FILM | 1/6 2.0K OHM F |
| 6 | R809 | RS01Z683J- | R M-OXIDE FILM | 1W 68K OHM J (TAPPING) |
| 6 | R812 | RD-AZ470J- | R CARBON FILM | 1/6 47 OHM J |
| 6 | R813 | RD-AZ223J- | R CARBON FILM | 1/6 22K OHM J |
| 6 | R814 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J |
| 6 | R815 | RW01Z758JN | R WIRE WOUND | 1W 0.75 OHM J NON-INDUCT |
| 6 | R820 | RD-AZ180J- | R CARBON FILM | 1/6 18 OHM J |
| 6 | R822 | RD-AZ681J- | R CARBON FILM | 1/6 680 OHM J |
| 6 | R825 | RD-AZ479J- | R CARBON FILM | 1/6 4.7 OHM J |
| 6 | R826 | RD-AZ333J- | R CARBON FILM | 1/6 33K OHM J |
| 6 | R827 | RD-AZ151J- | R CARBON FILM | 1/6 150 OHM J |
| 6 | R832 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J |
| 6 | R837 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J |
| 6 | R839 | RN-AZ1002F | R METAL FILM | 1/6 10K OHM F |
| 6 | R840 | RN-AZ6491F | R METAL FILM | 1/6W 6.49K OHM F (TP) |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 6 | R841 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J |
| 6 | R854 | RD-AZ102J- | R CARBON FILM | 1/6 1K OHM J |
| 6 | R855 | RD-4Z512J- | R CARBON FILM | 1/4 5.1K OHM J |
| 2 | Z2050 | PCDSSWJ184 | **PCB D-SUB AS** | CML-700CAV |
| 3 | CA601 | 99707C0017 | CONN AS | YDH200-12+YBNH200-14+2990 9C=175(RGB) |
| 3 | CA602 | 9970780034 | CONN AS | YDH200-08+YBNH200-09+1007#26=210 |
| 3 | CN6 | 9970720090 | CONN AS | YH396-03V+35404-9002+1617#22=70 |
| 3 | CN7 | 9979200317 | SOCKET AC INLET | ST-03B-BP |
| 3 | F801 | 5F3CB3122L | FUSE CERA | SEMKO TL 3.15AH 250V MF51 |
| 3 | F801A | 9977410900 | FUSE CLIP | BSP3-H T0.4 SN 5.2 |
| 3 | F801B | 9977410900 | FUSE CLIP | BSP3-H T0.4 SN 5.2 |
| 3 | IC604 | 1KA78R09-- | IC REGULATOR | KA78R09 |
| 3 | J601 | 9979200207 | D-SUB 15P ANGLE | 15P DDC BLUE W/OUT SCREW |
| 3 | J602 | 9979100016 | JACK RCA | RS-309D-03 |
| 3 | J604 | 9979100013 | JACK MINI DIN | MD-104D-4P |
| 3 | J605 | 9979100017 | JACK AUDIO | STEREO 3.5PIE GREEN |
| 3 | J606 | 9979100014 | JACK PHONE | “STEREO 3.5P, ST-029B-03BU” |
| 3 | YSB10 | 9973924301 | BKT I/O | E.G.I. T=1.0 |
| 3 | YSB20 | 9975211905 | PLATE I/O | P.C T=0.5 (L700CAV) |
| 3 | YSB30 | 7173300611 | SCREW TAPPTITE | TT2 BIN 3X6 MFZN |
| 3 | Z4020 | PCDSJ1J198 | PCB D-SUB CHIP | CML-701CTV |
| 4 | C601 | HCELF220MC | C CHIP ELECTRO | MV 16V 22MF 5.0DX5.2H |
| 4 | C603 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C604 | HCBK272KBA | C CHIP CERA | 50V X7R 2700PF K 1608 |
| 4 | C605 | HCBK272KBA | C CHIP CERA | 50V X7R 2700PF K 1608 |
| 4 | C606 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C607 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C608 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C609 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C610 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C611 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C612 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C613 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C614 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C615 | HCEKK229MC | C CHIP ELECTRO | MV 50V 2.2MF M 4.0DX5.3H |
| 4 | C616 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C617 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C618 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C619 | HCFK104ZBA | C CHIP CERA | 50V Y5V 0.1MF Z 1608 |
| 4 | C620 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C621 | HCEKF100MC | C CHIP ELECTRO | MV 16V 10MF D4.0XH5.2 |
| 4 | C623 | HCQK120JBA | C CHIP CERA | 50V CH 12PF J 1608 |
| 4 | C624 | HCQK120JBA | C CHIP CERA | 50V CH 12PF J 1608 |
| 4 | C625 | HCQK120JBA | C CHIP CERA | 50V CH 12PF J 1608 |
| 4 | C632 | HCEMF470MD | C CHIP ELECTRO | MV 16V 47MF D6.3XH5.2 |
| 4 | C635 | HCEPF221ME | C CHIP ELECTRO | MV 16V 220MF D8.0XH1.0 |
| 4 | C639 | HCERJ479MC | C CHIP ELECTRO | MVK 35V 4.7MF M D4.0XH5.2 |
| 4 | D601 | DRLS4148-- | DIODE CHIP | RLS4148 |
| 4 | D602 | DRLS4148-- | DIODE CHIP | RLS4148 |
| 4 | D606 | DRLS4148-- | DIODE CHIP | RLS4148 |
| 4 | D607 | DRLS4148-- | DIODE CHIP | RLS4148 |

| LEVEL | LOC | PART-CODE | PART-NAME | PART-DESC |
|---|---|---|---|---|
| 4 | D608 | DRLS4148-- | DIODE CHIP | RLS4148 |
| 4 | DZ601 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ602 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ603 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ604 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ605 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ606 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ607 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ608 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | DZ609 | DRLZ5R6B-B | DIODE CHIP ZENER | RLZTE-11 5.6B |
| 4 | IC603 | 1PT2313L-- | IC AUDIO | PT2313L |
| 4 | PCB | 9979800591 | PCB JACK RGB | T=1.6*224*57 |
| 4 | R601 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R602 | HRFS101JBA | R CHIP | 1/16 100 OHM J 1608 |
| 4 | R603 | HRFS242JBA | R CHIP | 1/16 2.4K OHM J 1608 |
| 4 | R604 | HRFS242JBA | R CHIP | 1/16 2.4K OHM J 1608 |
| 4 | R605 | HRFS242JBA | R CHIP | 1/16 2.4K OHM J 1608 |
| 4 | R606 | HRFS242JBA | R CHIP | 1/16 2.4K OHM J 1608 |
| 4 | R607 | HRFS242JBA | R CHIP | 1/16 2.4K OHM J 1608 |
| 4 | R608 | HRFS242JBA | R CHIP | 1/16 2.4K OHM J 1608 |
| 4 | R609 | HRFS562JBA | R CHIP | 1/16 5.6K OHM J 1608 |
| 4 | R610 | HRFS562JBA | R CHIP | 1/16 5.6K OHM J 1608 |
| **1** | **Z1020** | **PCBCCPJ184** | **COVER REAR AS** | **CML-700CAV** |
| 2 | YR010 | 99721174A1 | COVER REAR AS | CML-700C C/REAR AS |
| 2 | YR020 | 7173301212 | SCREW TAPPTITE | TT2 BIN 3X12 MFZN BK |
| 2 | YR030 | 9975429800 | LABEL RATING | L700CAV (DW) |
| 2 | YR040 | 9975841605 | LABEL I/O | P.E T=0.1*191*7(L700CAV) |
| 2 | YR050 | 7003401011 | SCREW MACHINE | BIN 4X10 MFZN |
| **1** | **Z1030** | **PCSSSWJ184** | **STAND AS** | **CML-700C** |
| 2 | YST10 | 99729246A1 | STAND AS | CML-700C STAND AS |
| **1** | **Z1040** | **PCPKCPJ184** | **PACKING AS** | **CML-700CAV** |
| 2 | YP010 | 9978047100 | BOX CARTON | SW-3 (DW) |
| 2 | YP020 | 9978136400 | CUSHION | E.P.S |
| 2 | YP030 | 9978212800 | BAG POLY | P.E FILM T0.03*900*900 |
| 2 | YP040 | 2TP00075CL | TAPE OPP | 50X75 CLEAR |
| 2 | YP050 | 99722160A0 | SPEAKER AS | CML-700CAV SPEAKER |
| 2 | YP060 | 99786320A0 | PMA ASS'Y | W/WIDE |
| 2 | YP070 | 9977713900 | PARTITION ADAPTOR | SW-3 |
| 2 | YP080 | 9979720034 | ADAPTER POWER | "L5A-120110R, DC 12V 1A(EUR)" |

DAEWOO

**DAEWOO ELECTRONICS CO., LTD**

686, AHYEON-DONG MAPO-GU
SEOUL, KOREA
C.P.O. BOX 8003 SEOUL, KOREA