TOSHIBA

FILE NO. 070-200427

SERVICE MANUAL

# Color Television

# 34JH9UH

Sep. 2004 (YC/D)

TOSHIBA

FILE NO. 073-200428
**SUPPLEMENT**

# SERVICE MANUAL

# Color Television

# 29JH9UR

## – SUMMARY –

29JH9UR is the same as 34JH9UH except for the parts tabled on this manual. Use this service manual together with the original service manual of 34JH9UR (File No. 070-200427).

Oct. 2004 (YC)

# REPLACEMENT PARTS LIST

| Location No. | Parts No. | Description |
|---|---|---|
| **CAPACITORS** | | |
| C428 | 24503251 | PLASTIC FILM, 400V 0.18UF J |
| ⚠ C442 | 24503251 | PLASTIC FILM, 400V 0.18UF J |
| ⚠ C443 | 24503196 | PLASTIC FILM CF92 T 1800VH 5600PF H |
| ⚠ C444 | 24503196 | PLASTIC FILM CF92 T 1800VH 5600PF H |
| C450 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C451 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C465 | 24591473 | PLASTIC FILM, 50V 0.047UF J |
| C469 | 24591152 | PLASTIC FILM, 50V 1500PF J |
| C810 | 24086934 | ELECTROLYTIC, 450V 560UF M 35F |
| C904 | 24436471 | CERAMIC DISC, 50V SL 470PF J |
| C905 | 24436391 | CERAMIC DISC, 50V SL 390PF J |
| C907 | 24436681 | CERAMIC DISC, 50V SL 680PF J |
| C4690 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| **RESISTORS** | | |
| R228 | 24367223 | CARBON FILM, 1/6W 22K OHM G |
| R307 | 24011221 | CHIP, METAL FILM, 1/20W 220 OHM J |
| R315 | 24011474 | CHIP, 1/20W 470K OHM J |
| R321 | 24011105 | CHIP, METAL FILM, 1/20W 1M OHM J |
| R336 | 24383181 | OXIDE METAL FILM, 2W 180 OHM J |
| R461 | 24366471 | CARBON FILM, 1/6W 470 OHM J |
| R462 | 24366682 | CARBON FILM, 1/6W 6.8K OHM J |
| R916 | 24366150 | CARBON FILM, 1/6W 15 OHM J |
| R918 | 24366330 | CARBON FILM, 1/6W 33 OHM J |
| R924 | 24366330 | CARBON FILM, 1/6W 33 OHM J |
| R930 | 24366390 | CARBON FILM, 1/6W 39 OHM J |
| R945 | 24366150 | CARBON FILM, 1/6W 15 OHM J |
| R946 | 24366150 | CARBON FILM, 1/6W 15 OHM J |
| R4703 | 24011473 | CHIP, 1/20W 47K OHM J |
| **COIL & TRANSFORMERS** | | |
| L801 | 23217687 | TRANSFORMER, CHOKE 24MH 2A TPW2064AL |
| L802 | 23217687 | TRANSFORMER, CHOKE 24MH 2A TPW2064AL |
| ⚠ L901 | 23200522 | COIL, DG, TSB-2389AH |
| LJ901 | 23200443 | COIL, DG, TASB2406AG |
| T461Z | 23236931 | TRANSFORMER,HORIZOUTPUT,SERVICE,TFB4222ZZ |
| ⚠ T801 | 23211783 | COIL, LINE FILTER, TRF3234AR |
| ⚠ T802 | 23211781 | COIL, LINE FILTER, TRF3229AR |
| **SEMICONDUCTORS** | | |
| DV29 | 23316571 | DIODE, ZENER, MA8056-M |
| DV30 | 23316571 | DIODE, ZENER, MA8056-M |
| DV32 | 23316571 | DIODE, ZENER, MA8056-M |
| DV33 | 23316571 | DIODE, ZENER, MA8056-M |
| Q630 | 23009942 | IC, LA4525-E |
| **MISCELLANEOUS** | | |
| B213 | 23845856 | WIRE CLAMP, POF COAT) L=70MM |
| E963 | 23974994 | BAND, KESSOKU |
| E964 | 23845511 | BAND |
| L462 | 23231407 | DEFLECTION YOKE, DY29DCOM2H TDY-829DT |
| L462C | 23199746 | CONVER CONTROL BOARD, XH |
| L462D | 23199746 | CONVER CONTROL BOARD, XH |
| ⚠ M461A | 23192950 | ANODE CAP ASSY, TCC5600BD |
| ⚠ M461B | 23509111 | FOCUS CABLE |
| M461C | 23509372 | CABLE ASSY, SCREEN |
| ⚠ P801 | 23372052 | POWER CORD, 250V2.5A |
| P804A | 23368013 | CONNECTOR, PLUG, 2P 11.88MM W VT-JST |
| P804B | 23368013 | CONNECTOR, PLUG, 2P 11.88MM W VT-JST |
| Q404G | 23960136 | ADHESIVE, SILICONE, TSE3843-W |
| ⚠ V901A | 23903174 | SOCKET, CRT, ISH46S-EN ING |
| V901B | 23102508 | MAGNET,RUBBERMAGNETCHEVRON,MAG4009 |
| V901M | 23102523 | MAGNET, PC, MAG-1122 |
| Z801 | 23103778 | FERRITE CORE, TFE1008 |
| ZJ901 | 23103914 | FERRITE CORE, TFE1015AD |

| Location No. | Parts No. | Description |
|---|---|---|
| **PC BOARD ASSEMBLIES** | | |
| ✻ U901A | 23762872 | PW UNIT CRT-D 29JH9UR, PWU PD1882H1 |
| ✻ U901B | 23762873 | PW UNIT POW-2 29JH9UR, PWU PD1882H2 |
| ✻ U903 | 23762874 | PW UNIT AV-TERMIN 29JH9UR, PWU PD1846N |
| ✻ U904 | 23762875 | PW UNIT POW/DEF 29JH9UR, PWU PD1883F |
| **PICTURE TUBE** | | |
| ⚠ V901 | 23324093 | PICTURETUBE,29D-COMS-FOCUSA68LZU185X |
| **ACCESSORIES** | | |
| A701A | 23067936 | CARTON, TOP CASE 29JH9UR |
| A701B | 23067392 | CARTON, BOTTOM CASE |
| A702A | 23946601 | PACKING, TOP PACKING |
| A702B | 23946602 | PACKING, BOTTOM PACKING |
| A703 | 23531103 | PACKING, PROTECTIVE SHEET, 48G7UXC |
| A705 | 23531035 | PACKING, SHEET, 29D8UXC |
| K902 | 23306552 | REMOCON HAND UNIT IR, CTV CT-90208 |
| Y101 | 23566539 | OWNERS MANUAL, E/RU CTV O/M 29JH9UR |
| **CABINET PARTS** | | |
| A201 | 23533071 | COVER, FRONT COVER 29JH9UR |
| ⚠ A401 | 23530459 | BACK COVER |
| A904 | 23538477 | MARK, TOSHIBA MARK W=50 |
| A905 | 23445888 | BUTTON, BUTTON POWER |
| A910 | 23428233 | DOOR, DOOR PROPER |

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# CHAPTER 1 GENERAL ADJUSTMENTS

## SAFETY INSTRUCTIONS

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

### X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is (A) kV at zero beam current (minimum brightness) under a (C) V AC power source. The high voltage must not, under any circumstances, exceed (B) kV.

   Refer to table-1 for high voltage (A), (B) & AC voltage (C). (See SETTING & ADJUSTING DATA on page 18)

   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

### SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.

### PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF SERVICE MANUAL.

# SET-UP ADJUSTMENT

■ The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows :

1. Color Purity
2. Convergence
3. White Balance

**Note:** The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical positioning. Refer to figure 1.

COLOR PURITY ADUSTMENT

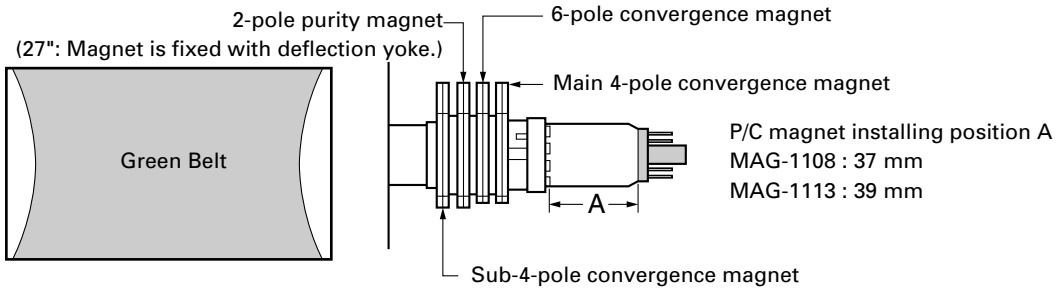
(1) Let the screen face in the installing direction or toward the east (when it is to be moved), bring up the service mode screen after demagnetizing (front, left, right, and top) with the degaussing coil, receive white signals by pressing the [TV/VIDEO] button, and then the receiver should be operated for more than 40 minutes.

(2) Perform rough adjustment of the central convergence with the P/C magnet according to the adjustment item.

(3) Receive built-in green signals, loosen set screws on the deflection yoke, remove rubber wedges, and shift the deflection yoke to toward front.

(4) Move alternately the two 2-pole magnets of the P/C magnets so that the green raster can come to the center of the screen.

**Figure 1.**

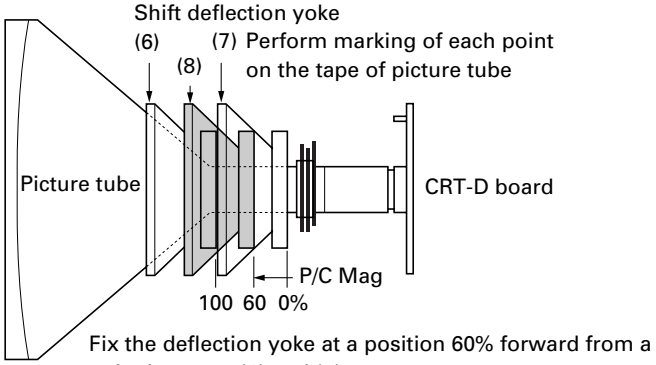



(5) Receive built-in red and blue signals, check that there is no inclination of the single color raster toward one side, and if each color tilts to a great extent, make adjustment with the 2-pole magnet so that the 3 colors will come to the center evenly.

(6) Receive the green raster, shift the deflection yoke from a foremost position (hitting against the picture tube) to a backward position horizontally, stop the deflection yoke at a position where it begins to become a green raster, and perform accurate marking on the picture tube.

(7) Shift the deflection yoke further backward, and perform accurate marking at a position where the green raster begins to being luck.

(8) Fix the deflection yoke at a position 60% forward within the range marked in items (6) and (7) above.




Fix the deflection yoke at a position 60% forward from a point between (6) and (7)

**CONVERGENCE ADJUSTMENTS**

* Adjust the convergence magnet to get vest convergence in the the order to (1) ~ (5).

■ **CENTER CONVERGENCE:**

(1) Receive the white crosshatch or dot pattern from the service signal generator.

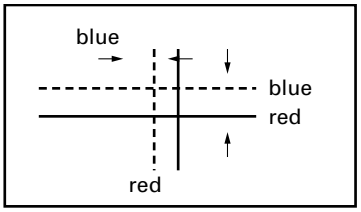
(2) Use the 2 pieces of main 4-pole magnets of P/C magnets, change the open angle, and align the red and blue vertical lines on the screen center.

(3) Freeze the open angle of the main 4-pole magnets, turn them simultaneously, and align the horizontal lines.

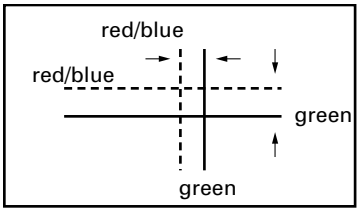
(4) Take the same steps for items (2) and (3) above and align red/blue with green on the screen center using two 6-pole magnets.

(5)Adjust the sub-4-pole magnets only in case there is any deviation of Xv bow-shaped convergence. (To be usually set at the initial position)

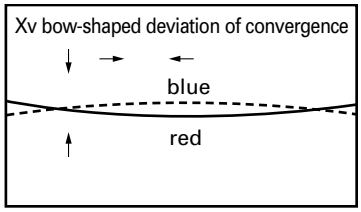
Align both sides with the sub-4-pole magnets and minimize the deviation of blue and red with the main 4-pole magnets.




**Main 4-pole magnet**



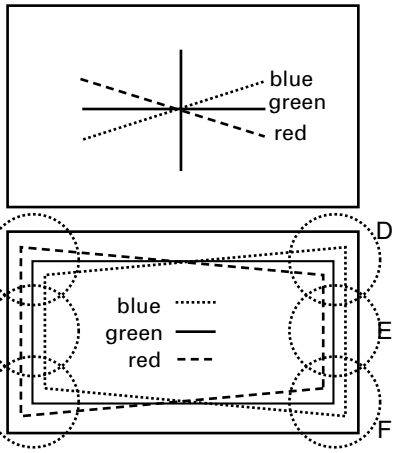

**6-pole magnet**



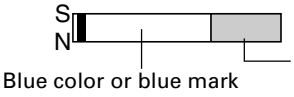

**Sub-4-pole magnet**

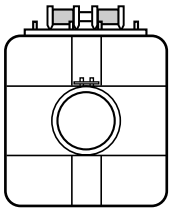
## ■ CIRCUMFERENCE CONVERGENCE:

* Perform correction in the following manner.

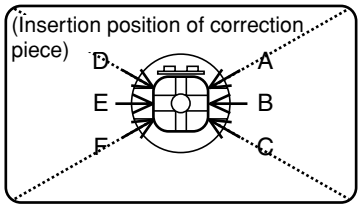



(Parts code:23 948 274) TC-S

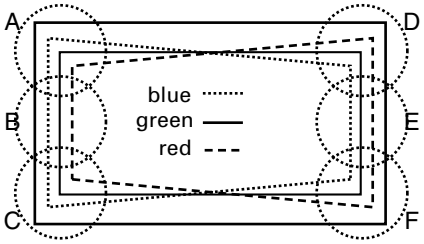


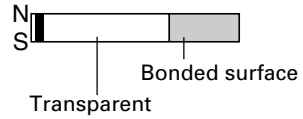
• Adjust coils and minimize deviation
(The 27" unit has coils underneath it)



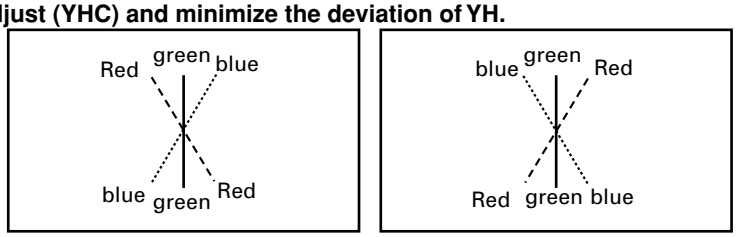

*Insert the correction piece between the picture tube and the deflection yoke.

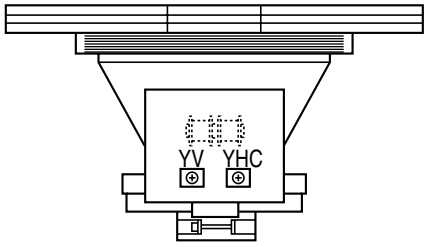



(Parts code:23 948 464)

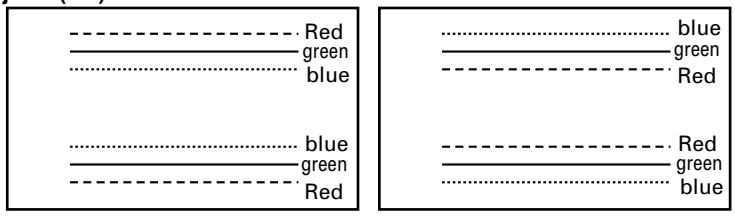


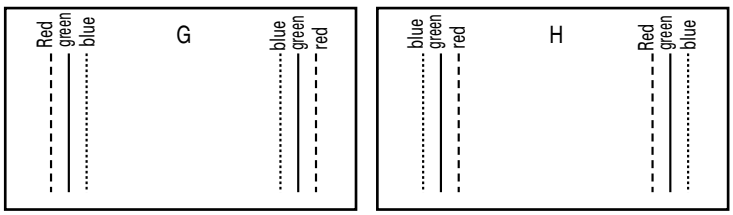

**Adjust (YHC) and minimize the deviation of YH.**

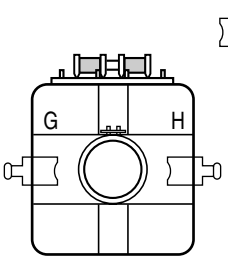



**Adjust (YV) and minimize the deviation of YV.**




Perform correction by inserting the correction piece into the clearance of terminal board coils of the deflection yoke.

**Note:**

Perform insertion by turning the metal side to the terminal board side of the deflection yoke.

# SERVICE MODE

## 1. ENTERING TO SERVICE MODE

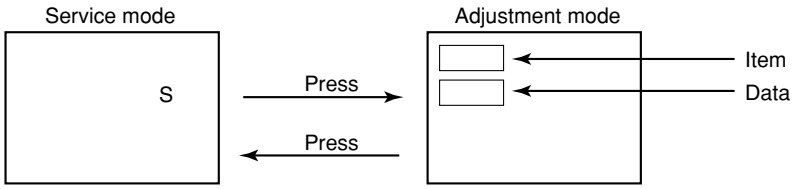
1) Press 🔇 button once on Remote Control.
2) Press 🔇 button again to keep pressing.
3) While pressing the 🔇 button, press MENU button on TV set.




(Service mode display)

## 2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.




## 3. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

| | |
|---|---|
| Screen adjustment mode ON/OFF: | -/-- button (on Remote) |
| Test signal selection : | ⊖ button (on Remote) |
| Selection of the adjustment items : | Channel ▲/▼ (on TV or Remote) |
| Change of the data value : | Volume ◿ +/– (on TV or Remote) |
| Adjustment menu mode ON/OFF : | MENU button (on TV) |
| Initialization of the memory (QA02) : | CALL + Channel button on TV (▲) |
| Reset the count of operating protect circuit to “00”: | CALL + Channel button on TV (▼) |
| “RCUT” selection : | 1 button |
| “GCUT” selection : | 2 button |
| “BCUT” selection : | 3 button |
| “SCNT” selection : | 4 button |
| “COLP” selection : | 5 button – – – – – Color thickness correction |
| “TNTC” selection : | 6 button note: Displayed differently as shown below, depending on the setting of the receiving color system. |
| Convergence adj : | YELLOW button COLP (PAL) |
| Self diagnostic display ON/OFF : | 9 button COLC (NTSC) |
| | COLS (SECAM) |

CAUTION : Never try to perform initialization unless you have changed the memory IC.

**4. SELECTING THE ADJUSTING ITEMS**

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2. (▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode.
(See SETTING & ADJUSTING DATA on page 18)

**5. ADJUSTING THE DATA**

1) Pressing of VOLUME +/– button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

**6. EXIT FROM SERVICE MODE**

1) Pressing POWER button to turn off the TV once.

**■ INITIALIZATION OF MEMORY DATA OF QA02**

After replacing QA02, the following initialization is required.

1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform “Auto tune” on the owner’s manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

**7. TEST SIGNAL SELECTION**

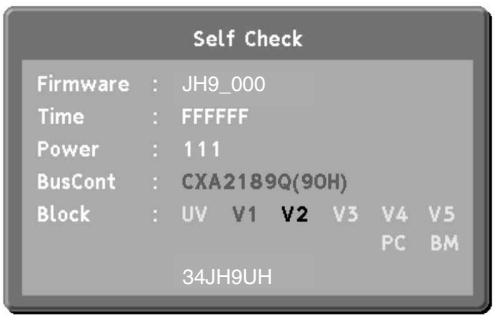
1) Every pressing of ⊖ button on the Remote Control changes the built-in test patterns on screen as described below in SERVICE MODE.

Signal off ◄——► ALL White

| Signals | Picture |
|---|---|
| • All White |  |

**8. SELF DIAGNOSTIC FUNCTION**

1) Press “9” button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC’s are executed properly.
2) During diagnosis, the following displays are shown.




① Firmware:
Version information of microprocessor
In case of file name : JH9 and Version : 1.00 indicates[JH9_100].

② Time: Total hour of turn the TV on. (Unit : H)

③ Power : Operation number of protecting circuit ----"00" is normal.
When indication is other than "00", overcurrent apt to flow, and circuit parts may possibly be damaged.

④ BusCont : --- "OK" is normal.
When type name of semiconductor indicates.

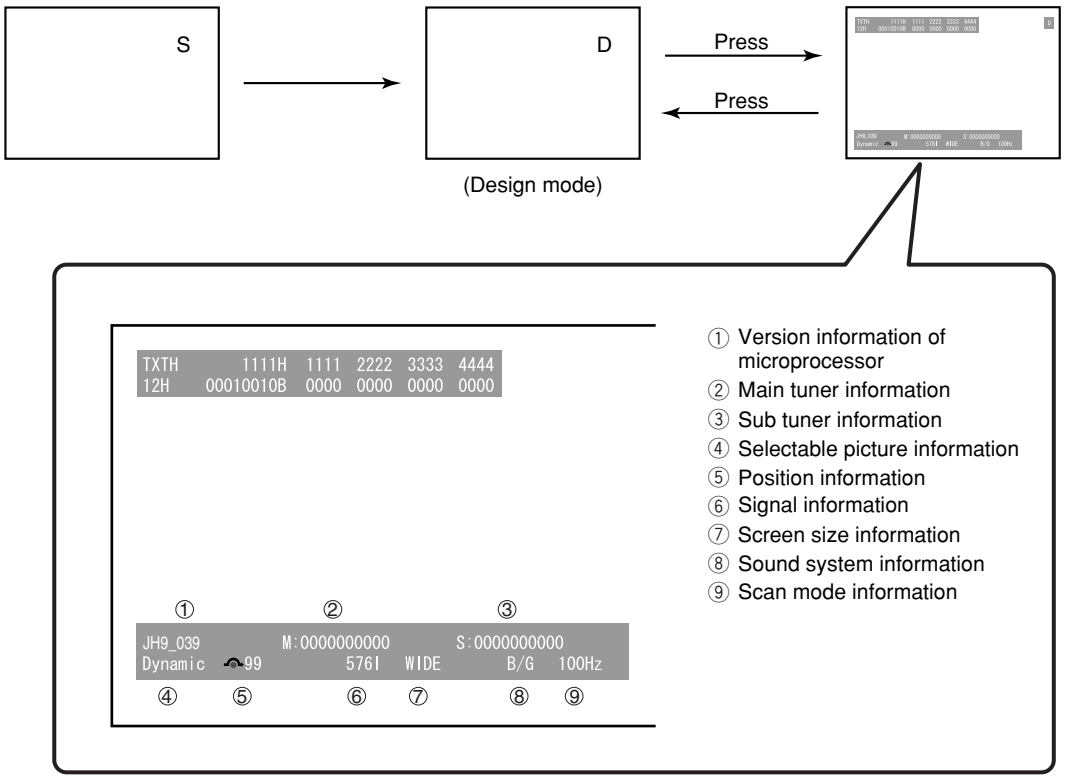
⑤ BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (→ 1)
V2 : VIDEO 2 input mode (→ 2)
V3 : VIDEO 3 input mode (→ 3)
V4 : VIDEO 4 input mode (→ C1)
V5 : VIDEO 5 input mode (→ C2)

⑥ Model name (7 digit)

# DESIGN MODE

## 1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing CALL button on Remote and press MENU button on TV. 3) The following displays are shown on the screen




When QA02 is initialized, item “OPT3" of DESIGN MODE is set to the data of the representative model of this chassis family. Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of item “OPT3".

## 2. SELECTING THE ADJUSTING ITEMS

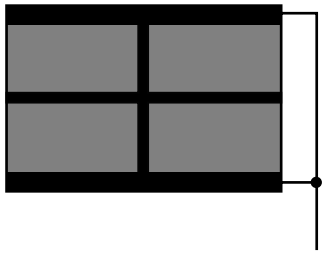
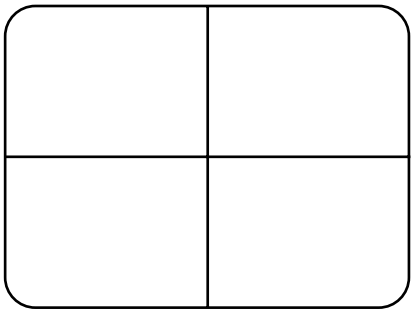
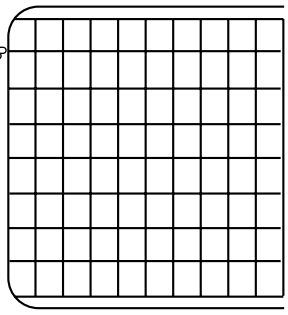
Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3. (▲ button for reverse order)

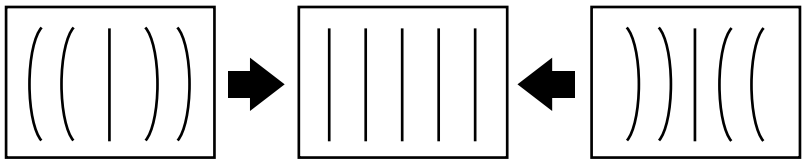
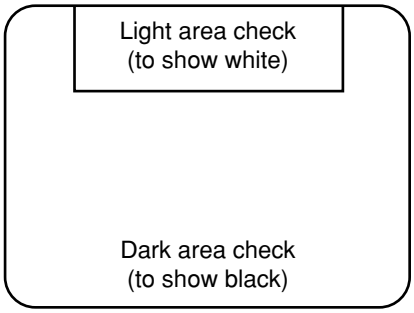
Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 18)

## 3. ADJUSTING THE DATA

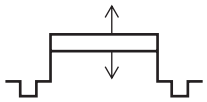
Pressing of VOLUME ▲ or ▼ button will change the value of data.

# ELECTRICAL ADJUSTMENTS

| ITEM | ADJUSTMENT PROCEDURE |
|---|---|
| FOCUS VR ADJ | 1. Enter the service mode, then select any register item.<br>2. Press the TV/VIDEO button on the Remote until the black cross-bar pattern appears on the screen.<br>3. Adjust the FOCUS control (on T461) for well defined scanning lines on the picture screen. |
| SUB-BRIGHTNESS (BRTC)<br><br>Note: Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT). | 1. Set CONTRAST to minimum, and BRIGHTNESS to center by adjusting user controls.<br>2. Set the TV in service mode to get Black cross-bar of inside pattern.<br>3. Select BRTC (brightness correction), and adjust the ◿ – /+ button to reduce the value so that white portion of inside pattern slightly light.<br>4. Adjust ◿ – /+ button to increase the data value of BRTC, and set it just before the difference between the belt of vertical retrace and the border of black portion of inside pattern is visible.<br>After that, return vertical height and contrast.<br>  <br>Belt of vertical retrace |
| HORIZONTAL POSITION ADJUSTMENT (HPOS)<br><br>VERTICAL POSITION ADJUSTMENT (VPOS) | 1. Set the TV in service mode, and get black cross-bar signal with VIDEO button on remote hand unit.<br>2. Select either HPOS (Horizontal picture phase) or VPOS (Vertical picture phase) with CHANNEL ▲, ▼ buttons, and adjust horizontal or vertical picture position in the center of screen with VOLUME ◿ – /+ buttons.<br>  |
| VERTICAL AMPLITUDE ADJUSTMENT (HIT) | 1. Set the TV in service mode, and get black cross-hatch signal with VIDEO button on remote hand unit.<br>2. Select HIT (Vertical amplitude) with CHANNEL ▲, ▼ buttons, and adjust vertical amplitude with VOLUME ◿ – /+ buttons so that vertical amplitude lacks a little.<br>3. Adjust vertical amplitude with VOLUME ◿ – /+ buttons so that the first bar on cross-hatch signal touches edge of screen.<br>The first ☞<br>  |

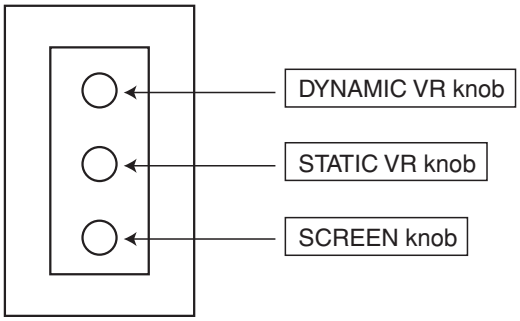
| ITEM | ADJUSTMENT PROCEDURE |
|---|---|
| WIDTH<br>(WID) | 1. Call up the adjustment mode display, then select the item **WID**.<br>2. Press the ◿ – /+ button to get the picture so the left and rightedges of raster begins to lack.<br>3. Press the ◿ – /+ button to advance the data by 7 steps.<br>Note : Check the horizontal picture position is correct. |
| E-W PARABOLA<br>(PARA) | 1. Call up the adjustment mode display, then select the item **PARA**.<br>2. Press the ⊖ button on Remote until the cross-hatch pattern appears on the screen.<br>3. Press the ◿ – /+ button to make vertical lines straight as shown below.<br>  |
| WHITE BALANCE<br>ADJUSTMENT<br><br>● CUTOFF ADJUSTMENT<br>(RCUT)<br>(GCUT)<br>(BCUT)<br><br>● DRIVE ADJUSTMENT<br>(GDRV)<br>(BDRV) | 1. Set Contrast to 40, and brightness to +20 by picture control.<br>2. Receive the Black and White pattern.<br>3. Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to Initial reference data, and to set GDRV and BDRV to Initial reference data with VOLUME ◿ – /+ buttons.<br>4. Press -/- - button on the remote control and rotate Screen VR to get one slight horizontal line on screen.<br>Note: Every pressing of -/- - button provides Horizontal line picture and Normal picture alternately.<br>5. Press -/- - button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME ◿ – /+ buttons so that three colors slightly light in the same level.<br><br>※ To correct white balance in light area, select GDRV and BDRV with CHANNEL ▲, ▼ buttons to adjust.<br>※ To correct white balance in dark area, perform fine adjustment of RCUT, GCUT and BCUT.<br>  |

V/C system adjustment

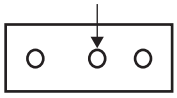
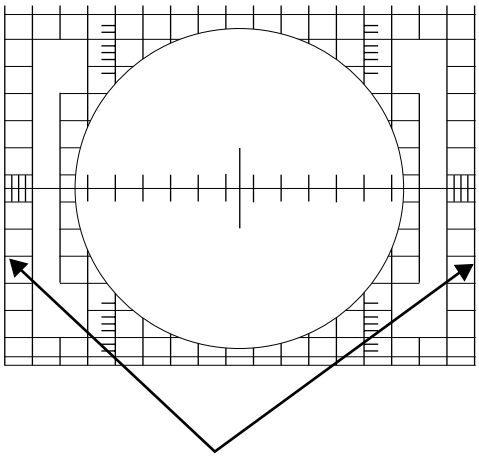
| No. | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE | REMARKS |
|---|---|---|---|
| 1 | Cutoff adjustment and white balance adjustment<br>RCUT<br>GCUT<br>BCUT<br>GDRV<br>BDRV<br>Screen VR | 1) Setting to horizontal alignment, turn the screen VR to stop where the brightness lines are slightly luminous. (Adjustment shall be made so that they look almost white.)<br>2) Cancel horizontal alignment.<br>3) Varying R, G and B CUTOFF, make white balance adjustment in the dark area.<br>4) Adjusting G and B DRIVE, make white balance adjustment in the bright area.<br>5) Repeat procedures 3) and 4) if necessary.<br>Adjustable value:<br>Bright area: 11500K+0.0075uV ($103cd/m^2$)<br>Dark area: 10500K+0.0105uV ($17cd/m^2$) | No outside lighting shall be allowed.<br>Measurement shall be performed at the center of CRT.<br>Receiver shall be in the standard state.<br><br>Total white signal<br>Varying the level of input signal, adjust the brightness.<br>  |
| 2 | Sub contrast adjustment (SCNT) | 1) Select SCNT in the sub data adjustment mode.<br>2) With TP-Y, set the amplitude from pedestal level to white peak to 0.70±0.03 V (0-p). | J-2ch sub brightness signal DYNAMIC |
| 3 | Sub brightness adjustment (BRTC) | 1) Select BRTC in the sub data adjustment mode. Adjust the number of black solid lines to 4±1.5. | J-2ch sub brightness signal DYNAMIC |

V/C system adjustment (Chassis adjusment)

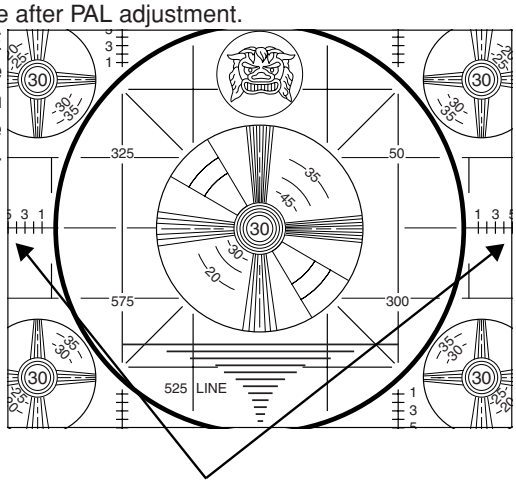
| No. | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE | REMARKS |
|---|---|---|---|
| 4 | DW sub screen contrast adjustment (PCNT) | 1) Select PCNT in the sub data adjustment mode.<br>2) With TP-Y, make adjustment so that the amplitude of sub screen (right image) coincides with that of main screen (left image). | J-2ch for both main and sub screens<br><br>Sub brightness signal DYNAMIC |

| No. | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE |
|---|---|---|
| 1 | Focus Adjustment (1)<br>Static (main): T461<br>Dynamic : T461 | Conditions : PAL RETMA ch<br>Screen Size : Wide<br>Presentation Mode : Dynamic<br><br>Only for 34-inch model<br>Adjustment Procedure:<br>1) Turn the static VR knob to the “MIN.” position and the dynamic VR knob to the “MAX.” position.<br>2) Adjust the static VR knob to the “MAX.” direction to optimize the peripheral focus.<br>3) Adjust the dynamic VR knob to “MIN.” direction to optimize the center focus.<br>4) Adjust the static VR knob and the dynamic VR knob alternately to optimize the full screen focus.<br><br>Refer to the diagram below for the location of the static VR knob and dynamic VR knob.<br><br>  <br> |

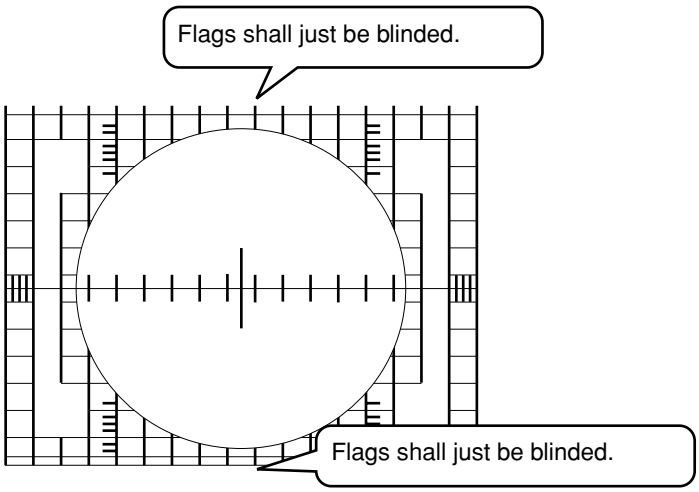
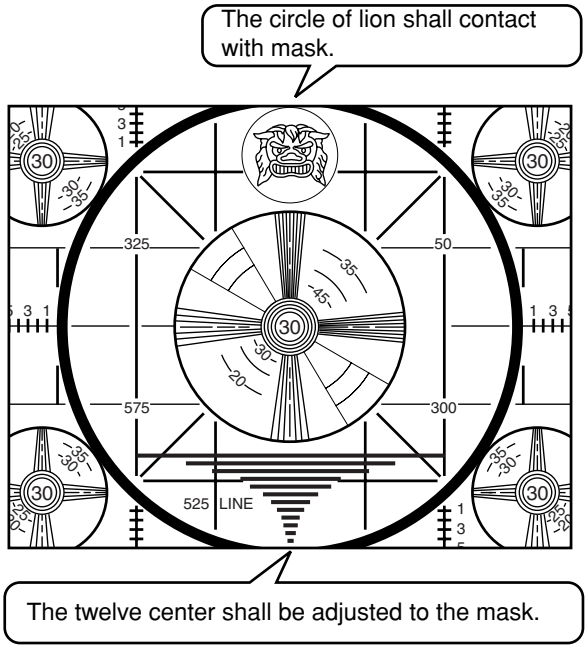
Horizontal adjustment * Deflection adjustment shall be made from PAL/100 Hz/WIDE mode.

| | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE |
|---|---|---|
| Horizontal | For PAL/100 Hz/WIDE<br>Horizontal amplitude (WID)<br>Side pin distortion (PARA)<br>Trapezoidal distortion (TRAP)<br>Corner distortion (CNR)<br>Upper corner distortion (TCNR)<br>Lower corner distortion (BCNR)<br>CENT distortion (CPAR)<br>Parallelogrammatic distortion (CSAW)<br>Horizontal phase (HPOS)<br>Note 1:<br>POW/DEF board: P451/M450<br>Horizontal screen positional switch<br>CENT<br>  <br>Right side Left side<br>Screen position shall be switched by inserting a plug into the above pin.<br>(CENT should take the first stage) | <Adjustment condition><br>Horizontal adjusment shall be made using E-12CH Philips pattern and DYNAMIC image mode.<br><br><Adjustment procedure><br>1) Using WID data, reduce the horizontal amplitude until a part of it is dropped out.<br>2) Using WID data, adjust the horizontal amplitude so that horizontal raster inevitably contacts with CPT mask.<br>3) Using the following (Note 1) horizontal screen positional switch, adjust the horizontal raster position to the center position.<br>4) Using the horizontal amplitude (WID) and horizontal phase (HPOS), adjust the horizontal amplitude so that the right and left flags are just blinded.<br>  <br>The adjustment shall be made so that the right and left flags are just blinded.<br>5) Using PARA, TRAP, CNR and CPAR (or TCNR, BCNR or CSAW if necessary), adjust the screen distortion.<br>6) If necessary, make the horizontal amplitude adjustment again. |

Horizontal adjustment

| | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE |
|---|---|---|
| Horizontal | For NTSC WIDE<br>Horizontal phase (NHPO)<br>Horizontal amplitude (NWID)<br>Side pin distortion (NPAR)<br>Trapezoidal distortion (NTRA)<br>Corner distortion (NCNR)<br>CENT distortion (NCPAR)<br>Parallelogrammatic distortion (NCSAW)<br>Upper corner distortion (NTCNR)<br>Lower corner distortion (NBCNR) | * NTSC adjustment shall be made after PAL adjustment.<br>1) With domestic 13ch, WIDE mode and DYNAMIC, adjust the right and left bars to the fifth center for horizontal phase (NHPO) and horizontal amplitude (NWID).<br>  <br><br>Right and left bars shall be adjusted to the fifth center.<br>2) With domestic 11ch, NPAR, NTRA, NCNR and NCPAR (or NTCNR, NBCNR or NCSAW if necessary), adjust the screen distortion.<br>3) If necessary, make horizontal amplitude adjustment again. |

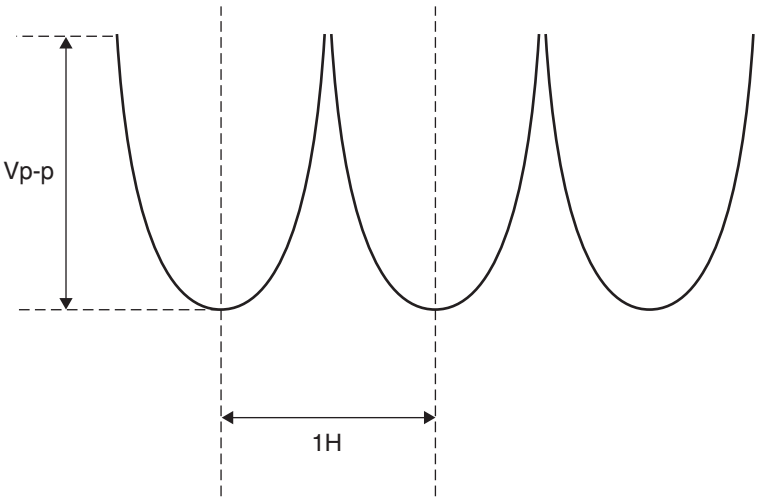
Vertical adjustment

| | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE |
|---|---|---|
| Vertical | For PAL WIDE<br>Vertical amplitude (HIT)<br>Vertical screen position (TCNR)<br>Vertical linearity (VLIN) | 1) With E-12ch, WIDE mode, DYNAMIC and 100 Hz, adjust the vertical screen position (VPOS) and amplitude (HIT) as shown in the following figure:<br>  <br><br>2) With vertical linearity (VLIN), control the upper and lower balances to be optimal. |
| | For NTSC WIDE<br>Vertical amplitude (NHIT)<br>Vertical screen position (NVPO) | * NTSC adjustment shall be made after the PAL adjustment.<br><br>With domestic 13ch, WIDE mode and DYNAMIC, adjust the vertical screen position (NVPO) and amplitude (NHIT) as shown in the following figure:<br>  <br> |

Geomagnetic compensation (chassis adjustment)

| | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE |
|---|---|---|
| 1 | Output voltage control (GMF) | Conditions: User control for geomagnetic compensation: 0<br>Geomagnetic compensation coil: Unconnected<br><br>Perform voltage measurement at both ends of RJ06 and adjust the voltage to the following adjustable value with GMF of data adjustment mode:<br><br>0 ± 1V |

Horizontal adjustment * DQF adjustment shall be made in PAL WIDE mode.

| | ADJUSTING ITEMS AND POINTS | ADJUSTMENT PROCEDURE |
|---|---|---|
| Horizontal | DQF output voltage adjustment | Measure the terminal voltage waveform of test pin (DF terminal) with 100:1 probe and adjust the terminal voltage using L451 (horizontal amplitude coil: TLN2110AD).<br>  <br><br>Adjust the above waveform by turning the core of L451 so as to obtain the following voltage:<br>34": 1000 Vp-p<br><br>Note: Because the vertical cycle parabolic waveform is also of superposition, the above voltage value shall be measured on the waveform.<br><br>Adopted signal: PAL E-12ch |

# CIRCUIT CHECK



**HIGH VOLTAGE CHECK**

**CAUTION:** There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the second anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST controls to minimum (zero beam current).
3. High voltage must be measured below (B) kV.

Refer to table-1 for high voltage (B).
(See SETTING & ADJUSTING DATA on page 18)

4. Vary the BRIGHTNESS control to both extremes to be sure the high voltage does not exceed the limit under any conditions.

# CHAPTER 2 SPECIFIC INFORMATIONS

## SETTING & ADJUSTING DATA

**【 SAFETY INSTRUCTIONS 】**

| | | 34" |
|---|---|---|
| HIGH VOLTAGE AT ZERO BEAM: | (A) | 30.5 kV |
| MAX HIGH VOLTAGE: | (B) | 35.0 kV |
| AC VOLTAGE | (C) | 220~240 V |

**Table-1**

**【 SERVICE MODE 】**

**ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:**

| Item | Name of adjustment | PRE SET | 34" |
|---|---|---|---|
| RCUT | R CUTOFF | 40H | ← |
| GCUT | G CUTOFF | 40H | ← |
| BCUT | B CUTOFF | 40H | ← |
| GDRV/ RDRV | R DRIVE | 40H | ← |
| BDRV | B DRIVE | 40H | ← |
| CNTX | CONTRAST MAX | 7FH | ← |
| BRTC | BRIGHTNESS CEN | 80H | ← |
| COLC | SUB COLOR CEN NTSC | 00H | ← |
| TNTC | SUB TINT CEN | 00H | ← |
| COLP | SUB COLOR CEN PAL | 03H | 00H |
| COLS | SUB COLOR CEN SECAM | FDH | ← |
| SCNT | SUB CONTRAST | 6AH | 22H |
| VOLS | MSP DEM VOLS | 75H | ← |
| FVOL | MSP DEM FVOL | 15H | ← |
| NVOL | MSP DEM NVOL | 3CH | ← |
| NICL | MSP DEM NICL | 03H | ← |
| NICH | MSP DEM NICH | 0AH | ← |
| IDL | MSP DEM IDL | 90H | ← |
| IDH | MSP DEM IDH | A0H | ← |
| HPOS | 576i 100Hz | 43H | 41H |
| VPOS | V-POSITION | 8CH | 94H |
| HIT | HEIGHT | 43H | 41H |
| VLIN | V-LINEARITY | 0EH | 0CH |

| Item | Name of adjustment | PRE SET | 34" |
|---|---|---|---|
| VPS | V-SHIFT | 40H | ← |
| WID | PICTURE WIDTH | 45H | 5CH |
| PARA | E-W PARABOLA | 1BH | 31H |
| CNR | E-W CORNER | 14H | ← |
| TRAP | TRAPEZIUM | 2AH | 4CH |
| CPAR | CENT PARABOLA | 08H | ← |
| TCNR | EW TOP CORNER | 14H | 17H |
| BCNR | EW BOTTOM CORNER | 12H | 15H |
| CSAW | CENTER SAW | 08H | 07H |
| NHPO | NTSC H-POSITION | 09H | ← |
| NVPO | NTSC V-POSITION | 7FH | 98H |
| NHIT | NTSC HEIGHT | 39H | 37H |
| NVLI | NTSC V-LINEARITY | 0EH | 0DH |
| NVPS | NTSC V-SHIFT | 40H | ← |
| NWID | NTSC PICTURE WIDTH | 3BH | 52H |
| NPAR | NTSC E-W PARABOLA | 16H | 29H |
| NCNR | NTSC E-W CORNER | 14H | ← |
| NTRA | NTSC TRAPEZIUM | 36H | 4CH |
| NCPAR | NTSC CENT PARABOLA | 07H | 08H |
| NTCNR | NTSC TOP CORNER | 0FH | 15H |
| NBCNR | NTSC BOTTOM CORNER | 12H | 13H |
| NCSAW | NTSC CENTER SAW | 08H | 07H |
| GMF | Geomagnetic | 00H | 04H |

**Table-2**

**【 DESIGN MODE 】**

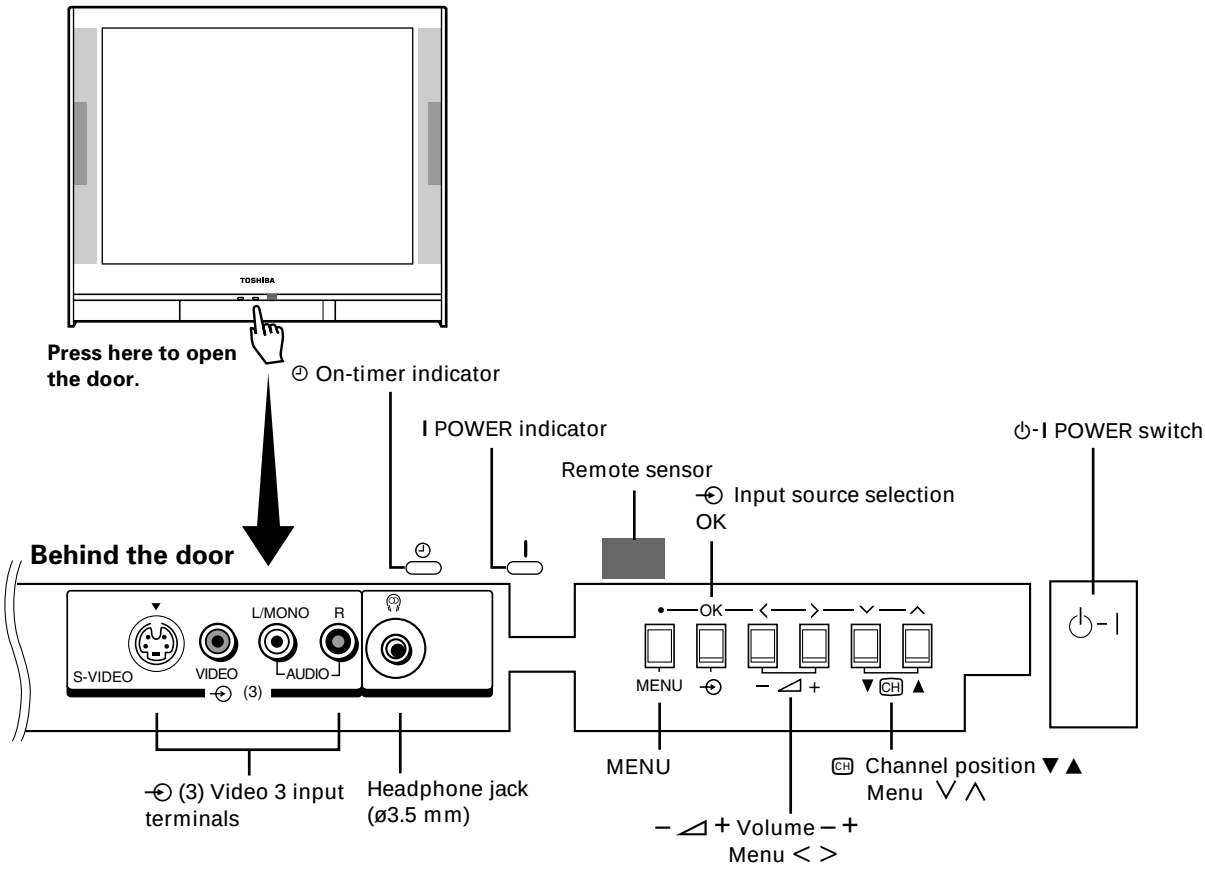
**ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:**

| Item | Name of adjustment | DATA | | Note |
|---|---|---|---|---|
| | | RESET | 34JH9UH | |
| OPT0 | OPTION 0 | FCH | 14H | |
| OPT1 | OPTION 1 | 00H | ← | |
| OPT2 | OPTION 2 | 00H | ← | |
| OPT3 | OPTION 3 | 00H | ← | |
| OPT4 | OPTION 4 | 00H | ← | |
| OPT5 | OPTION 5 | 00H | ← | |

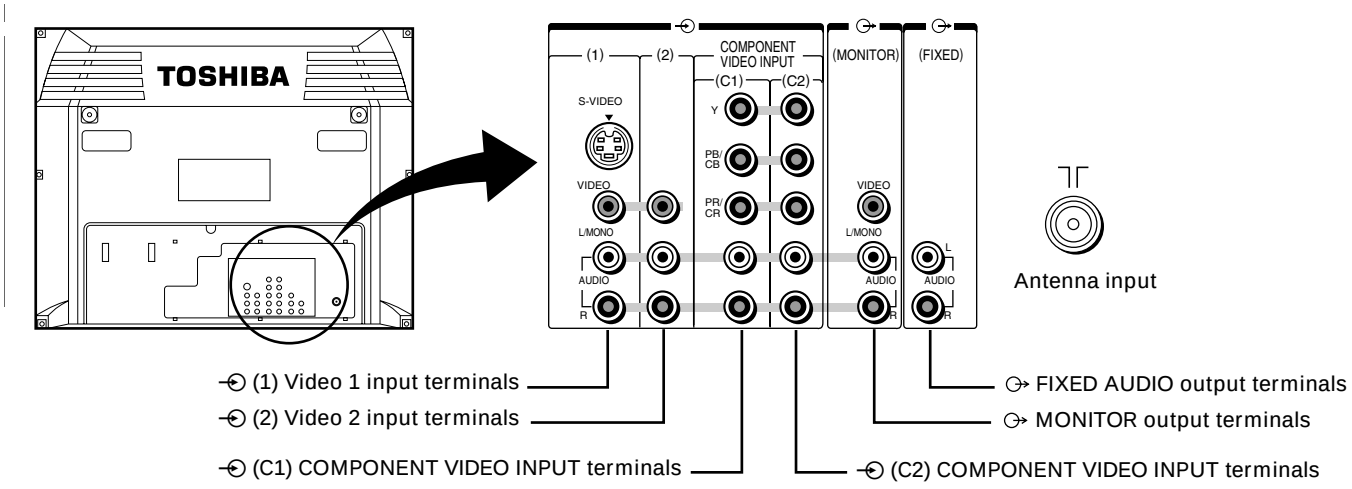
**Table-3**

# LOCATION OF CONTROLS

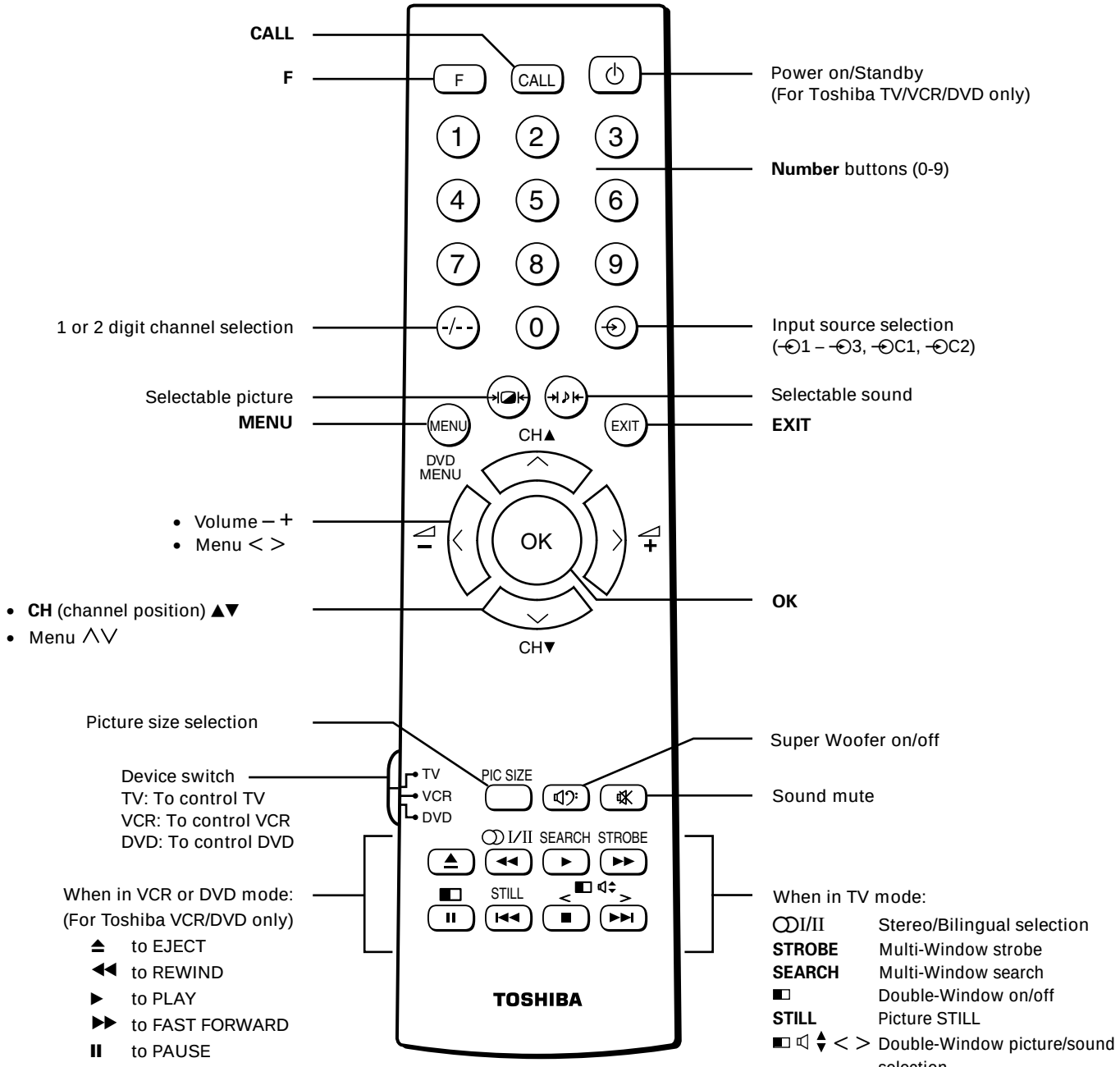
## Front




## Back



## Remote Control



# PROGRAMMING CHANNEL MEMORY

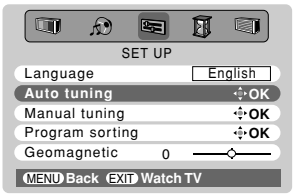
- First, use the Auto tuning feature to preset all the active channels in your area automatically. Then, arrange the preset channels with the Manual tuning feature so that you can tune in only desired channels.
- Use the Channel search operation if desired channels cannot be preset with the Auto tuning or if you would like to preset channels to specific position numbers one by one.

## To preset channels

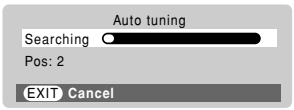
### *Auto tuning*

**1** Press the **MENU** button, then press the < or > button to display the SET UP menu.

Press the ∨ or ∧ button to select Auto tuning.




**2** Press and hold the **OK** button for several seconds to start the automatic search.
The search will begin for all available stations.
Bullet will move along the line as the search progresses.




DO NOT PRESS ANY BUTTONS WHILE THE AUTOMATIC SEARCH IS IN PROGRESS.

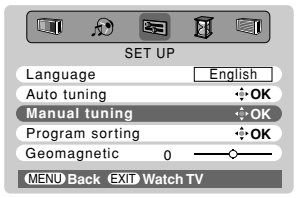
If you make a mistake, simply repeat steps 1-2 to start again from the beginning.

**3** When the automatic search is complete, the TV will automatically return to the first program position.

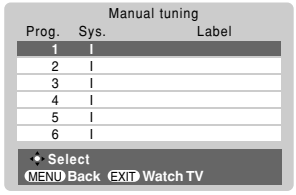
**4** Press the **CH▲** or **CH▼** button to view the programmed position.

### *Manual tuning*

**1** Press the **MENU** button, then press the < or > button to display the SET UP menu.
Press the ∨ or ∧ button to select Manual tuning.

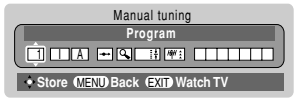


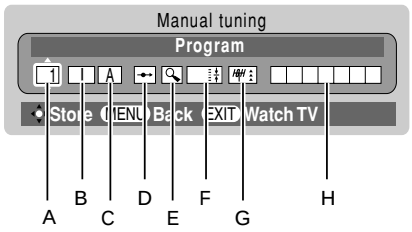

**2** Press the **OK** button to display the Manual tuning menu.
Press the ∨ or ∧ button to select the program position you want to arrange.




**3** Press the **OK** button to display the breakdown menu.

Press the < or > button to select an item, then press the ∨ or ∧ button to select the item as shown below.




A. Program position selection
B. Sound system (see page 31)
C. Color system (see page 31)
A : Automatic, P : PAL, S : SECAM,
N4 : NTSC4.43 (MHz), N3 : NTSC3.58 (MHz)
If the color of a certain channel is abnormal, the automatic color system selection (A) may have malfunctioned, or the sound system selection is wrong. In such a case, select another color and/or sound system (see page 31).
D. Program position skip selection
Press the ∧ or ∨ button to turn the program position skip option on "↷" or off "⊸".
The program position will then be skipped when you select channels with the **CH▲** or **CH▼** button.
The "↷" mark will appear beside a program position number when you use the number button on the remote control.

E. Channel search operation
Press the ∧ button to search up the band or the ∨ button to search down the band.
Press the ∧ or ∨ button repeatedly until your desired channel is displayed.
When a station/satellite is found, it will be displayed.

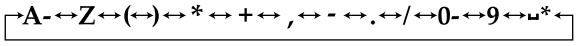
F. Auto Fine Tuning
Press the ∧ or ∨ button to turn the Auto Fine Tuning option On "⁞⁞" or Off "0".
The Auto Fine Tuning feature automatically corrects slight fluctuations when receiving signals.
Manual Fine Tuning
While the Auto Fine Tuning turn Off "0", press the ∧ or ∨ button so that the better picture and sound are obtained.

G. ANT ATT (Antenna attenuator)
Press the ∧ or ∨ button to turn the ANT ATT option On "⁞⁞" or Off "⁞⁞", when visual interference occurs, set the ANT ATT to On.

H. Label
Station labels appear with the program position display each time you turn on the TV, select a channel, or press the **CALL** button.

To change or create station labels:

1) Press the ∧ or ∨ button repeatedly to select a character for the first space, then press the > button.




*(blank space)

2) Repeat step 1 to enter the rest of the characters. If you would like a blank space in the label name, you must choose an empty space from the list of characters.

Press the **OK** button to store your settings.

# CHASSIS AND CABINET REPLACEMENT PARTS LIST

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE “X-RAY RADIATION PRECAUTION”, “SAFETY PRECAUTION” AND “PRODUCT SAFETY NOTICE” ON PAGE 3 OF THIS MANUAL.

**CAUTION**: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

*NOTICE:*
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

**Model : 34JH9UH**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Capacitors ..... | CD | : | Ceramic Disk | PF | : | Plastic Film | EL | : Electrolytic |
| Resistors ..... | CF | : | Carbon Film | CC | : | Carbon Composition | MF | : Metal Film |
| | OMF | : | Oxide Metal Film | VR | : | Variable Resistor | FR | : Fusible Resistor |

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

| Location No. | Parts No. | Description |
|---|---|---|
| **CAPACITORS** | | |
| C101 | 24796479 | ELECTROLYTIC, 35V 4.7UF M |
| C102 | 24793221 | ELECTROLYTIC, 10V 220UF M |
| C103 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C104 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C105 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| C106 | 24797479 | ELECTROLYTIC, 50V 4.7UF M |
| C107 | 24794221 | ELECTROIYTIC 04G, 16V 220UF M |
| C108 | 24793221 | ELECTROLYTIC, 10V 220UF M |
| C109 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| C110 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| C205 | 24092539 | CERAMIC CHIP, 10V F 2.2UF Z |
| C206 | 24619042 | ELEC. CHIP, 16V 22UF M 3A |
| C304 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| C308 | 24669221 | ELECTROLYTIC, 50V 220UF M 3A |
| C310 | 24667102 | ELECTROLYTIC, 25V 1000UF M 3A |
| C313 | 24082057 | PLASTIC FILM, 100V 0.22UF J |
| C314 | 24667221 | ELECTROLYTIC CE04Q, 25V 220UF M 3A |
| C315 | 24109332 | CERAMIC CHIP, 50V B 3300PF K |
| C319 | 24503053 | PLASTIC FILM, 63V 1UF J |
| C320 | 24667221 | ELECTROLYTIC CE04Q, 25V 220UF M 3A |
| C321 | 24503051 | PLASTIC FILM, 63V 0.68UF J |
| C322 | 24503053 | PLASTIC FILM, 63V 1UF J |
| C323 | 24503049 | PLASTIC FILM, 63V 0.47UF J |
| C325 | 24591223 | PLASTIC FILM, 50V 0.022UF J |
| C326 | 24669010 | ELECTROLYTIC, 50V 1UF M 3A |
| C327 | 24073041 | ELECTROLYTIC, 16V 470UF M 3A |
| C329 | 24591183 | PLASTIC FILM, 50V 0.018UF J |
| C331 | 24590103 | PLASTIC FILM, 50V 0.01UF J |
| C332 | 24109473 | CERAMIC CHIP, 25V B 0.047UF K |
| C333 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| C336 | 24108101 | CERAMIC CHIP, 50V SL 100PF J |
| C362 | 24591682 | PLASTIC FILM, 50V 6800PF J |
| C366 | 24082275 | PLASTIC FILM CQ922 M 100V 82000PF J |
| C370 | 24666100 | ELECTROLYTIC, 10V 10UF M 3A |
| C392 | 24085981 | ELEC. NONPOLAR CE04J 16V 10UF M 11L NP |
| C393 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C396 | 24503065 | PLASTIC FILM, 1800VH 1800PF H |
| C413 | 24214392 | CERAMIC DISC, 500V B 3900PF K |
| C416 | 24676330 | ELECTROLYTIC, 100V 33UF M 3A |
| C417 | 24214391 | CERAMIC DISC, 500V B 390PF K |
| C418 | 24667221 | ELECTROLYTIC CE04Q, 25V 220UF M 3A |
| C419 | 24590102 | PLASTIC FILM, 50V 1000PF J |
| ⚠ C428 | 24503192 | PLASTIC FILM, 400V 0.15UF J |

| Location No. | Parts No. | Description |
|---|---|---|
| C430 | 24539334 | PLASTIC FILM, 50V 0.33UF J |
| C431 | 24539104 | PLASTIC FILM, 50V 0.1UF J |
| C432 | 24666100 | ELECTROLYTIC, 10V 10UF M 3A |
| C439 | 24503457 | PLASTIC FILM CQ92 T 400V 56000PF J |
| ⚠ C442 | 24503192 | PLASTIC FILM, 400V 0.15UF J |
| ⚠ C443 | 24503195 | PLASTIC FILM, 1800VH 5100PF H |
| ⚠ C444 | 24503195 | PLASTIC FILM, 1800VH 5100PF H |
| C445 | 24095804 | PLASTIC FILM, 400V 0.056UF J |
| C446 | 24640020 | ELECTROLYTIC CE04Q 250V 33UF M H-R |
| C448 | 24073118 | ELECTROLYTIC, 160V 33UF M |
| C450 | 24214222 | CERAMIC DISC, 500V B 2200PF K |
| C451 | 24214222 | CERAMIC DISC, 500V B 2200PF K |
| C452 | 24820103 | PLASTIC FILM, 630V 0.01UF J |
| C461 | 24820123 | PLASTIC FILM, 630V 0.012UF J |
| C464 | 24503149 | PLASTIC FILM, 250V 3.3UF |
| C465 | 24591563 | PLASTIC FILM, 50V 0.056UF J |
| C466 | 24679220 | ELECTROLYTIC, 250V 22UF M 3A |
| C467 | 24820123 | PLASTIC FILM, 630V 0.012UF J |
| C469 | 24591222 | PLASTIC FILM, 50V 2200PF J |
| C470 | 24766220 | ELECTROLYTIC, 50V 22UF M |
| C471 | 24766479 | ELECTROLYTIC, 50V 4.7UF M |
| C472 | 24503049 | PLASTIC FILM, 63V 0.47UF J |
| C476 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C477 | 24666220 | ELECTROLYTIC, 16V 22UF M 3A |
| C482 | 24109122 | CERAMIC CHIP, 50V B 1200PF K |
| C488 | 24666100 | ELECTROLYTIC, 10V 10UF M 3A |
| C505 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C512 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C513 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C520 | 24092616 | CERAMIC CHIP, 16V B 0.33UF K |
| C531 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C532 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C533 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C534 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C536 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C537 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C543 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C544 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C545 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C547 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C548 | 24619157 | MENJISSOU TYP 16V100U |
| C558 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C563 | 24092789 | CERAMIC CHIP, 6.3V B 1UF K |
| C564 | 24092856 | CERAMIC CHIP CK732B 16V 2.2UF K |

| Location No. | Parts No. | Description |
|---|---|---|
| C565 | 24092785 | CERAMIC CHIP, 10V B 0.47UF K |
| C568 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C572 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C601 | 24797100 | ELECTROLYTIC, 50V 10UF M |
| C602 | 24591102 | PLASTIC FILM, 50V 1000PF J |
| C603 | 24669101 | ELECTROLYTIC, 50V 100UF M 3A |
| C605 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C607 | 24797470 | ELECTROLYTIC 04G, 50V 47UF M |
| C613 | 24666471 | ELECTROLYTIC 04Q, 16V 470UF M 3A |
| C615 | 24666220 | ELECTROLYTIC, 16V 22UF M 3A |
| C622 | 24085944 | ELECTROLYTIC, NONPOLAR, 50V 2.2UF M 11L |
| C625 | 24085944 | ELECTROLYTIC, NONPOLAR, 50V 2.2UF M 11L |
| C628 | 24669220 | ELECTROLYTIC, 04Q 50V 22UF M 3A |
| C633 | 24669101 | ELECTROLYTIC, 50V 100UF M 3A |
| C634 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C640 | 24797479 | ELECTROLYTIC, 50V 4.7UF M |
| C641 | 24797479 | ELECTROLYTIC, 50V 4.7UF M |
| C642 | 24669229 | ELECTROLYTIC, 50V 2.2UF M 3A |
| C643 | 24669229 | ELECTROLYTIC, 50V 2.2UF M 3A |
| C644 | 24105221 | CERAMIC CHIP, 50V CH 220PF J |
| C645 | 24105221 | CERAMIC CHIP, 50V CH 220PF J |
| C646 | 24794102 | ELECTROLYTIC, 16V 1000UF M |
| C647 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| C648 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| C651 | 24815103 | CERAMIC CHIP, 50V B 10000PF K |
| C660 | 24073034 | ELECTROLYTIC, 16V 10UF M 3A |
| C661 | 24073082 | ELECTROLYTIC, 50V 2.2UF M 3A |
| C662 | 24073082 | ELECTROLYTIC, 50V 2.2UF M 3A |
| C663 | 24591102 | PLASTIC FILM, 50V 1000PF J |
| C664 | 24591102 | PLASTIC FILM, 50V 1000PF J |
| C665 | 24797100 | ELECTROLYTIC, 50V 10UF M |
| C666 | 24590104 | PLASTIC FILM, 50V 0.1UF J |
| C671 | 24073084 | ELECTROLYTIC, 50V 4.7UF M 3A |
| C672 | 24073084 | ELECTROLYTIC, 50V 4.7UF M 3A |
| C673 | 24073086 | ELECTROLYTIC, 50V 10UF M 3A |
| C675 | 24667470 | ELECTROLYTIC CE04Q, 25V 47UF M 3A |
| C676 | 24669479 | ELECTROLYTIC, 50V 4.7UF M 3A |
| C677 | 24503042 | PLASTIC FILM, 63V 0.12UF J |
| C678 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| C679 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| C680 | 24669222 | ELECTROLYTIC, 50V 2200UF M 3A |
| C681 | 24668102 | ELECTROLYTIC, 35V 1000UF M 3A |
| C682 | 24668102 | ELECTROLYTIC, 35V 1000UF M 3A |
| C683 | 24668102 | ELECTROLYTIC, 35V 1000UF M 3A |
| C684 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C691 | 24073034 | ELECTROLYTIC, 16V 10UF M 3A |
| C704 | 24591822 | PLASTIC FILM, 50V 8200PF J |
| C705 | 24232103 | CERAMIC DISC, 50V F 0.01UF Z |
| C707 | 24794470 | ELECTROLYTIC, 16V 47UF M |
| C712 | 24666470 | ELECTORLYTIC, 16V 47UF M 3A |
| C713 | 24709100 | ELECTROLYTIC, 200V 10UF M |
| C714 | 24436101 | CERAMIC DISC, 50V SL 100PF J |
| C715 | 24214472 | CERAMIC DISC, 500V B 4700PF K |
| C716 | 24436101 | CERAMIC DISC, 50V SL 100PF J |
| C717 | 24214472 | CERAMIC DISC, 500V B 4700PF K |
| C718 | 24766470 | ELECTROLYTIC, 50V 47UF M |
| C719 | 24435560 | CERAMIC DISC, 500V SL 56PF J |
| C720 | 24709100 | ELECTROLYTIC, 200V 10UF M |
| C721 | 24797470 | ELECTROLYTIC 04G, 50V 47UF M |
| C726 | 24212102 | CERAMIC DISC, 50V B 1000PF K |
| ⚠ C801 | 24503507 | PLASTIC FILM, AC275V 0.22UF K |
| ⚠ C802 | 24503507 | PLASTIC FILM, AC275V 0.22UF K |
| C805 | 24092281 | CERAMIC DISC, AC250V E 4700PF |
| C806 | 24092281 | CERAMIC DISC, AC250V E 4700PF |
| C807 | 24503049 | PLASTIC FILM, 63V 0.47UF J |
| C808 | 24667101 | ELECTROLYTIC, 25V 100UF M 3A |
| C809 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| C810 | 24073106 | 400V680UFLLQ2G681MHSET |
| ⚠ C813 | 24092563 | CERAMIC DISC, AC250V B 220PF K |

| Location No. | Parts No. | Description |
|---|---|---|
| ⚠ C814 | 24092563 | CERAMIC DISC, AC250V B 220PF K |
| ⚠ C815 | 24092567 | CERAMIC DISC, AC250V E 1000PF M |
| C816 | 24668339 | ELECTROLYTIC, 35V 3.3UF M 3A |
| C817 | 24092339 | CERAMIC DISC, 2KV 330PF K |
| C818 | 24095931 | PLASTIC FILM, 1250VH 2200PF J |
| ⚠ C820 | 24092565 | CERAMIC DISC, AC250V B 470PF K |
| C821 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C822 | 24619157 | MENJISSOU TYP 16V100U |
| C823 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C824 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C825 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| C826 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C828 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C829 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z @U902 |
| | 24212222 | CERAMIC DISC, 50V B 2200PF K @U904 |
| C833 | 24669229 | ELECTROLYTIC, 50V 2.2UF M 3A |
| C834 | 24503047 | PLASTIC FILM, 63V 0.33UF J |
| C835 | 24073150 | ELECTROLYTIC CE04P 16V 56UF M 3A |
| C836 | 24762222 | ELECTROLYTIC, 10V 2200UF M 3D |
| C840 | 24073098 | ELECTROLYTIC, 450V 4.7UF M 3A |
| C841 | 24073043 | ELECTROLYTIC, 16V 2200UF M 3A |
| C842 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| C843 | 24092469 | CERAMIC DISC, 2KV B 100PF K |
| C844 | 24073038 | ELECTROLYTIC, 16V 100UF M 3A |
| C845 | 24766229 | ELECTROLYTIC, 50V 2.2UF M |
| C884 | 24073215 | ELECTROLYTEC CE04Q 160V 220UF M |
| C887 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C890 | 24073172 | ELECTROLYTIC CE04P 25V 1000UF M 3A |
| C891 | 24073176 | ELECTROLYTIC CE04P 25V 2200UF M 3A |
| C893 | 24092337 | CERAMIC DISC, 2KV 220PF K |
| C895 | 24073209 | ELECTROLYTIC CE04P 50V 1000UF M 3A |
| C896 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C897 | 24073172 | ELECTROLYTIC CE04P 25V 1000UF M 3A |
| C898 | 24591102 | PLASTIC FILM, 50V 1000PF J |
| C899 | 24214471 | CERAMIC DISC, 500V B 470PF K |
| C902 | 24092353 | CERAMIC DISC, 2KV 4700PF K |
| C904 | 24436561 | CERAMIC DISC, 50V SL 560PF J |
| C905 | 24436471 | CERAMIC DISC, 50V SL 470PF J |
| C907 | 24436561 | CERAMIC DISC, 50V SL 560PF J |
| C909 | 24073120 | ELECTRPLYTIC, 250V 33UF, 250YXF33M |
| C910 | 24669478 | ELECTROLYTIC, 50V 0.47UF M 3A |
| C911 | 24203100 | ELECTORLYTIC, 16V 10UF M 7L 3A |
| C912 | 24073042 | ELECTROLYTIC, 04P 16V 1000UF M 3A |
| C913 | 24666102 | ELECTROLYTIC, 16V 1000UF M 3A |
| C914 | 24232103 | CERAMIC DISC, 50V F 0.01UF Z |
| C918 | 24539104 | PLASTIC FILM, 50V 0.1UF J |
| C919 | 24539104 | PLASTIC FILM, 50V 0.1UF J |
| C931 | 24214101 | CERAMIC DISC, 500V B 100PF K |
| C811 | 24092567 | CERAMIC DISC, AC250V E 1000PF M |
| C812 | 24092567 | CERAMIC DISC, AC250V E 1000PF M @U905A |
| | 24503041 | PLASTIC FILM , 63V 0.1UF J @U904 |
| C2102 | 24013100 | CERAMIC CHIP CC73CH 50V 10PF D |
| C2103 | 24013100 | CERAMIC CHIP CC73CH 50V 10PF D |
| C2104 | 24013100 | CERAMIC CHIP CC73CH 50V 10PF D |
| C2110 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C3100 | 24667102 | ELECTROLYTIC, 25V 1000UF M 3A |
| C4100 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| C4101 | 24092859 | CERAMIC CHIP CK73B 10V 1UF K |
| C4102 | 24108150 | CERAMIC CHIP, 50V SL 15PF J |
| C4103 | 24092730 | CERAMIC CHIP, 16V B 0.1UF K |
| C4104 | 24092730 | CERAMIC CHIP, 16V B 0.1UF K |
| C4112 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C4211 | 24539104 | PLASTIC FILM, 50V 0.1UF J |
| C4401 | 24619158 | MENJISSOU TYP 16V220U |
| C4402 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C4403 | 24092789 | CERAMIC CHIP, 6.3V B 1UF K |
| C4404 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C4405 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C4406 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |

| Location No. | Parts No. | Description |
|---|---|---|
| C4427 | 24092789 | CERAMIC CHIP, 6.3V B 1UF K |
| C4460 | 24092796 | CERAMIC CHIP CK732B 50V 220000PF K |
| C4461 | 24092796 | CERAMIC CHIP CK732B 50V 220000PF K |
| C4476 | 24013100 | CERAMIC CHIP CC73CH 50V 10PF D |
| C4602 | 24109122 | CERAMIC CHIP, 50V B 1200PF K |
| C4603 | 24000445 | CHIP JUMPER, 1608TYPE |
| C4690 | 24109223 | CERAMIC CHIP, 25V B 0.022UF K |
| C4691 | 24109822 | CERAMIC CHIP, 50V B 8200PF K |
| C4710 | 24092859 | CERAMIC CHIP CK73B 10V 1UF K |
| C4711 | 24092785 | CERAMIC CHIP, 10V B 0.47UF K |
| C5012 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5014 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5015 | 24092738 | CERAMIC CHIP, 25V B 0.47UF K |
| C5016 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5020 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C5021 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C5022 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C5023 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C5030 | 24619157 | MENJISSOU TYP 16V100U |
| C5080 | 24092789 | CERAMIC CHIP, 6.3V B 1UF K |
| C5090 | 24619157 | MENJISSOU TYP 16V100U |
| C5411 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C5412 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C5413 | 24013180 | CERAMIC CHIP, 50V CH 18PF J |
| C5414 | 24015102 | CERAMIC CHIP, 50V B 1000PF K |
| C5415 | 24013050 | CERAMIC CHIP CC73CH 50V 5PF C |
| C5440 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C5441 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5442 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5443 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5445 | 24092738 | CERAMIC CHIP, 25V B 0.47UF K |
| C5448 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5449 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5450 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5452 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| C5454 | 24092573 | CERAMIC CHIP, 16V B 0.47UF K |
| C5456 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| C5457 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| C5458 | 24092573 | CERAMIC CHIP, 16V B 0.47UF K |
| C5459 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5462 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C5463 | 24013040 | CERAMIC CHIP CC73CH 50V 4PF C |
| C5464 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8100 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C8101 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8102 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8103 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C8104 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8105 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8106 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| C8107 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C8108 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8109 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8110 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| C8111 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C8112 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8113 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| C8115 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C8116 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C8117 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| C8118 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C8119 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| C8120 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| C8121 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| C8123 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C8124 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| C8127 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8128 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| C8129 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |

| Location No. | Parts No. | Description |
|---|---|---|
| C8131 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8132 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8133 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8134 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8135 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8136 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8137 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8138 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8139 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8141 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| C8341 | 24667100 | ELECTROLYTIC, 16V 10UF M 3A |
| C8342 | 24503047 | PLASTIC FILM, 63V 0.33UF J |
| C8344 | 24503047 | PLASTIC FILM, 63V 0.33UF J |
| C8345 | 24503047 | PLASTIC FILM, 63V 0.33UF J |
| C8347 | 24665220 | ELECTROLYTIC, 10V 22UF M 3A |
| C8348 | 24073150 | ELECTROLYTIC CE04P 16V 56UF M 3A |
| C8349 | 24666100 | ELECTROLYTIC, 10V 10UF M 3A |
| C8350 | 24666100 | ELECTROLYTIC, 10V 10UF M 3A |
| C8351 | 24073150 | ELECTROLYTIC CE04P 16V 56UF M 3A |
| C8352 | 24666100 | ELECTROLYTIC, 10V 10UF M 3A |
| CA01 | 24015102 | CERAMIC CHIP, 50V B 1000PF K |
| CA03 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA04 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA05 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CA06 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CA07 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CA08 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CA09 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CA10 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA11 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA12 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA13 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA14 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CA15 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CA16 | 24013220 | CERAMIC CHIP, 50V CH 22PF J |
| CA17 | 24013220 | CERAMIC CHIP, 50V CH 22PF J |
| CA18 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA19 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA20 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA21 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CA22 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CA23 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA24 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA25 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA26 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA27 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA29 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA30 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA31 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA32 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA33 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA34 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA35 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA36 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA37 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA38 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA40 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CA41 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CA42 | 24092628 | CERAMIC CHIP, 0J B 10UF K |
| CA43 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CA44 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CA45 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CA47 | 24015222 | CERAMIC CHIP, 50V B 2200PF K |
| CA48 | 24015222 | CERAMIC CHIP, 50V B 2200PF K |
| CA49 | 24109152 | CERAMIC CHIP, 50V B 1500PF K |
| CA50 | 24015332 | CERAMIC CHIP, 50V B 3300PF K |
| CA51 | 24109152 | CERAMIC CHIP, 50V B 1500PF K |
| CA52 | 24015332 | CERAMIC CHIP, 50V B 3300PF K |
| CA53 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |

| Location No. | Parts No. | Description |
|---|---|---|
| CA54 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CA55 | 24092621 | CERAMIC CHIP, 10V B 1UF K |
| CA56 | 24092621 | CERAMIC CHIP, 10V B 1UF K |
| CA57 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA58 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA59 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA60 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CA61 | 24092789 | CERAMIC CHIP, 6.3V B 1UF K |
| CA62 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CA63 | 24013220 | CERAMIC CHIP, 50V CH 22PF J |
| CA66 | 24092628 | CERAMIC CHIP, 0J B 10UF K |
| CA67 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CA80 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CA404 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CB01 | 24794470 | ELECTROLYTIC, 16V 47UF M |
| CC01 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC02 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC03 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC04 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC05 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC06 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC07 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC08 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC09 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC10 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CC11 | 24109102 | CERAMIC CHIP, 50V B 1000PF K @U903 |
| | 24212102 | CERAMIC DISC, 50V B 1000PF K @U905A |
| CC12 | 24109102 | CERAMIC CHIP, 50V B 1000PF K @U903 |
| | 24212102 | CERAMIC DISC, 50V B 1000PF K @U905A |
| CC13 | 24232103 | CERAMIC DISC, 50V F 0.01UF Z |
| CC14 | 24232103 | CERAMIC DISC, 50V F 0.01UF Z |
| CJ01 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| CJ02 | 24666470 | ELECTORLYTIC, 16V 47UF M 3A |
| CJ03 | 24503041 | PLASTIC FILM , 63V 0.1UF J |
| CJ04 | 24666470 | ELECTORLYTIC, 16V 47UF M 3A |
| CJ05 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| CR12 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CR13 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CR14 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CR15 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CR16 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CR17 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CS20 | 24797478 | ELECTROLYTIC, 50V 0.47UF M |
| CS25 | 24797478 | ELECTROLYTIC, 50V 0.47UF M |
| CS30 | 24794100 | ELECTROLYTIC, 16V 10UF M |
| CS31 | 24794100 | ELECTROLYTIC, 16V 10UF M |
| CS32 | 24794100 | ELECTROLYTIC, 16V 10UF M |
| CS33 | 24794100 | ELECTROLYTIC, 16V 10UF M |
| CS40 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS41 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS42 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS43 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS44 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS45 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS46 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS47 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS48 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS49 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS54 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS55 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS56 | 24092538 | CERAMIC CHIP, 10V F 1UF Z |
| CS57 | 24794470 | ELECTROLYTIC, 16V 47UF M |
| CS64 | 24794220 | ELECTROLYTIC, 16V 22UF M |
| CV01 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| CV02 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV03 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| CV04 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV05 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| CV06 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |

| Location No. | Parts No. | Description |
|---|---|---|
| CV11 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV12 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV13 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV14 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV15 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV16 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV17 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV18 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV19 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV20 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV21 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV22 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV23 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV24 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV25 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV28 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV29 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV30 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV31 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV32 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV33 | 24092731 | CERAMIC CHIP, 16V B 1UF K |
| CV40 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV41 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV48 | 24212102 | CERAMIC DISC, 50V B 1000PF K |
| CV50 | 24232103 | CERAMIC DISC, 50V F 0.01UF Z |
| CV53 | 24092621 | CERAMIC CHIP, 10V B 1UF K |
| CV57 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| CV481 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CV482 | 24794101 | ELECTROLYTIC, 16V 100UF M |
| CV483 | 24794471 | ELECTROLYTIC, 16V 470UF M |
| CX105 | 24619157 | MENJISSOU TYP 16V100U |
| CX106 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CX111 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX112 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX113 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX114 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX115 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX116 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX117 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX118 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX119 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX120 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX121 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX122 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX123 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX124 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX125 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX126 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX127 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX128 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX129 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX130 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX131 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX132 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX133 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX134 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX135 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX148 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX201 | 24619040 | ELEC. CHIP, 16V 10UF M 3A |
| CX202 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX203 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX204 | 24619040 | ELEC. CHIP, 16V 10UF M 3A |
| CX205 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX331 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX332 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX333 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX334 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX337 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX338 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |

| Location No. | Parts No. | Description |
|---|---|---|
| CX339 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX340 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX341 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX342 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX401 | 24619157 | MENJISSOU TYP 16V100U |
| CX402 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CX403 | 24619157 | MENJISSOU TYP 16V100U |
| CX404 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CX406 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CX407 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX408 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX409 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX410 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX411 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX415 | 24619040 | ELEC. CHIP, 16V 10UF M 3A |
| CX416 | 24619040 | ELEC. CHIP, 16V 10UF M 3A |
| CX417 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX430 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX435 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX436 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX437 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX438 | 24015102 | CERAMIC CHIP, 50V B 1000PF K |
| CX439 | 24619157 | MENJISSOU TYP 16V100U |
| CX471 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX500 | 24105220 | CERAMIC CHIP, 50V CH 22PF J |
| CX501 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX502 | 24619042 | ELEC. CHIP, 16V 22UF M 3A |
| CX504 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX505 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX506 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX507 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX508 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX509 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX514 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX516 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX517 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX518 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX519 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX524 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX525 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX526 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX527 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX528 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX530 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX531 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX532 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX533 | 24013220 | CERAMIC CHIP, 50V CH 22PF J |
| CX535 | 24088133 | OSCON 6.3V 47UF 6SVP47M |
| CX537 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX538 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX539 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX552 | 24013470 | CERAMIC CHIP, 50V CH 470PF J |
| CX553 | 24013100 | CERAMIC CHIP CC73CH 50V 10PF D |
| CX554 | 24013470 | CERAMIC CHIP, 50V CH 470PF J |
| CX555 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX556 | 24619042 | ELEC. CHIP, 16V 22UF M 3A |
| CX562 | 24013101 | CERAMIC CHIP, 50V CH 100PF J |
| CX564 | 24013270 | CERAMIC CHIP, 50V CH 27PF J |
| CX565 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX572 | 24013101 | CERAMIC CHIP, 50V CH 100PF J |
| CX574 | 24013270 | CERAMIC CHIP, 50V CH 27PF J |
| CX575 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX576 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX577 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX578 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX600 | 24619042 | ELEC. CHIP, 16V 22UF M 3A |
| CX602 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX603 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX604 | 24015105 | CHIP CERA CAP B 6.3V 105K |

| Location No. | Parts No. | Description |
|---|---|---|
| CX605 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX606 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX607 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX608 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX609 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX610 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX611 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX612 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX613 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX614 | 24013470 | CERAMIC CHIP, 50V CH 470PF J |
| CX621 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX622 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX623 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX624 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX625 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX631 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX632 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX633 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX634 | 24015105 | CHIP CERA CAP B 6.3V 105K |
| CX635 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX636 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX637 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX638 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX803 | 24619042 | ELEC. CHIP, 16V 22UF M 3A |
| CX804 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX805 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX806 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX807 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX808 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX834 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX835 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX837 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX845 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX846 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CX901 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX902 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX903 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX904 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX909 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX910 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX911 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX912 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX914 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX915 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX916 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX917 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX918 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX919 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CX920 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX921 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CX922 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CX923 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CX924 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CX925 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CX926 | 24092907 | CERA CHIP CK733B 6.3V 22UF K |
| CX927 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CX928 | 24619147 | 6.3V 47U UWXOJ470MCR1GB |
| CX929 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX930 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX931 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX933 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX934 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX935 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX936 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX937 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX938 | 24092539 | CERAMIC CHIP, 10V F 2.2UF Z |
| CX939 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX943 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX944 | 24092539 | CERAMIC CHIP, 10V F 2.2UF Z |

| Location No. | Parts No. | Description |
|---|---|---|
| CX945 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX946 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX947 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX948 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX949 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX950 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX951 | 24092747 | CERAMIC CHIP, 50V B 4.7UF K |
| CX952 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CX953 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CX954 | 24092795 | CERAMIC CHIP CK73B 6.3V 2.2UP K |
| CY001 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY002 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY004 | 24092785 | CERAMIC CHIP, 10V B 0.47UF K |
| CY005 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY006 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CY007 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CY008 | 24013180 | CERAMIC CHIP, 50V CH 18PF J |
| CY009 | 24015102 | CERAMIC CHIP, 50V B 1000PF K |
| CY010 | 24013050 | CERAMIC CHIP CC73CH 50V 5PF C |
| CY011 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY012 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY013 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY015 | 24092738 | CERAMIC CHIP, 25V B 0.47UF K |
| CY016 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY017 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY018 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY020 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CY021 | 24092573 | CERAMIC CHIP, 16V B 0.47UF K |
| CY022 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CY023 | 24013330 | CERAMIC CHIP, 50V CH 33PF J |
| CY024 | 24092573 | CERAMIC CHIP, 16V B 0.47UF K |
| CY025 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY026 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY027 | 24013040 | CERAMIC CHIP CC73CH 50V 4PF C |
| CY028 | 24014104 | CERAMIC CHIP, 16V F 0.1UF Z |
| CY102 | 24793101 | ELECTROLYTIC, 10V 100UF M |
| CY103 | 24109103 | CERAMIC CHIP, 50V B 0.01UF K |
| CY105 | 24109102 | CERAMIC CHIP, 50V B 1000PF K |
| CY401 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CY403 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CY404 | 24013151 | CERAMIC CHIP, 50V CH 150PF J |
| CY405 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CY406 | 24013150 | CHIP CH 50V 15PF J CC73CH1H150J |
| CY407 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CY409 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CY410 | 24013151 | CERAMIC CHIP, 50V CH 150PF J |
| CY411 | 24013150 | CHIP CH 50V 15PF J CC73CH1H150J |
| CY412 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CY413 | 24013150 | CHIP CH 50V 15PF J CC73CH1H150J |
| CY414 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CY416 | 24013151 | CERAMIC CHIP, 50V CH 150PF J |
| CY417 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CY418 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CY440 | 24015103 | CERAMIC CHIP, 16V B 0.01UF K |
| CZ01 | 24013101 | CERAMIC CHIP, 50V CH 100PF J |
| CZ02 | 24013150 | CHIP CH 50V 15PF J CC73CH1H150J |
| CZ09 | 24619175 | CHIP10V100UF1A101P |
| CZ10 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ21 | 24092907 | CERA CHIP CK733B 6.3V 22UF K |
| CZ22 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CZ23 | 24092794 | CERAMIC CHIP CK732B 6.3V 10UF M |
| CZ24 | 24619175 | CHIP10V100UF1A101P |
| CZ25 | 24619175 | CHIP10V100UF1A101P |
| CZ27 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CZ28 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CZ29 | 24013680 | CERAMIC CHIP, 50V CH 68PF J |
| CZ30 | 24013151 | CERAMIC CHIP, 50V CH 150PF J |
| CZ31 | 24092859 | CERAMIC CHIP CK73B 10V 1UF K |
| CZ32 | 24015102 | CERAMIC CHIP, 50V B 1000PF K |

| Location No. | Parts No. | Description |
|---|---|---|
| CZ34 | 24013270 | CERAMIC CHIP, 50V CH 27PF J |
| CZ36 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CZ38 | 24015104 | CERAMIC CHIP CK73B 6.3V 100,000PF K |
| CZ39 | 24013101 | CERAMIC CHIP, 50V CH 100PF J |
| CZ40 | 24013390 | CERAMIC CHIP CC73CH 50V 39PF J |
| CZ42 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ43 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ44 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ45 | 24105330 | CERAMIC CHIP, 50V CH 33PF J |
| CZ46 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ47 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ48 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ49 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ51 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ52 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ53 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ54 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ55 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ58 | 24013120 | CERAMIC CHIP CC731CH 50V 12PF J |
| CZ59 | 24105120 | CERAMIC CHIP, 50V CH 12PF J |
| CZ60 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ62 | 24100104 | CERAMIC CHIP, 25V F 0.1UF Z |
| CZ63 | 24105821 | CERAMIC CHIP, 25V CH 820PF J |
| CZ64 | 24105561 | CERAMIC CHIP, 50V CH 560PF J |

**RESISTORS**

| | | |
|---|---|---|
| R101 | 24382153 | OXIDE METAL FILM, 1W 15K OHM J |
| R170 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R171 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| R172 | 24011273 | CHIP, 1/20W 27K OHM J |
| R217 | 24366103 | CARBON FILM, 1/6W 10K OHM J |
| R218 | 24367183 | CARBON FILM, 1/6W 18K OHM G |
| R219 | 24367393 | CARBON FILM, 1/6W 39K OHM J |
| R225 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R227 | 24367333 | CARBON FILM, 1/6W 33K OHM G |
| R228 | 24367183 | CARBON FILM, 1/6W 18K OHM G |
| R245 | 24012104 | CHIP, METAL FILM, 1/16W 100K OHM J |
| R301 | 24998562 | CHIP, METAL FILM, 1/16W 5.6K OHM |
| R302 | 24011152 | CHIP, METAL FILM, 1/20W 1.5K OHM J |
| R303 | 24321109 | OXIDE METAL FILM, 1/2W 1 OHM J |
| R304 | 24003898 | METAL FILM, 1/4W 3.3K OHM J |
| R305 | 24322109 | OXIDE METAL FILM, 1W 1 OHM J |
| R307 | 24011271 | CHIP, 1/20W 270 OHM J |
| R311 | 24998911 | CHIP, 1/16W 910 OHM |
| R315 | 24011274 | CHIP, 1/20W 270K OHM J |
| R316 | 24011823 | CHIP, METAL FILM, 1/20W 82K OHM J |
| R318 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R319 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R320 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R321 | 24011224 | CHIP, METAL FILM, 1/20W 220K OHM J |
| R322 | 24011274 | CHIP, 1/20W 270K OHM J |
| R323 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R324 | 24011394 | CHIP, 1/20W 390K OHM J |
| R325 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R327 | 24339229 | OXIDE METAL FILM, 2W 2.2 OHM J |
| R328 | 24339229 | OXIDE METAL FILM, 2W 2.2 OHM J |
| R329 | 24011153 | CHIP, METAL FILM, 1/2OW 15K OHM J |
| R330 | 24998103 | CHIP, 1/16W 10K OHM |
| R331 | 24872823 | CHIP, 1/16W 82K OHM J |
| R332 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R335 | 24998471 | CHIP, 1/16W 470 OHM |
| R336 | 24383391 | OXIDE METAL FILM, 2W 390 OHM J |
| R337 | 24011223 | CHIP, 1/20W 22K OHM J |
| R339 | 24998103 | CHIP, 1/16W 10K OHM |
| R340 | 24998392 | CHIP, 1/16W 3.9K OHM |
| R342 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R345 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R360 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |
| R361 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| R362 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |
| R363 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| R370 | 24872103 | CHIP, 1/16W 10K OHM J |
| R371 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R372 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R373 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R374 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R376 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| R377 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R379 | 24382103 | OXIDE METAL FILM, 1W 10K OHM J |
| R381 | 24366822 | CARBON FILM, 1/6W 8.2K OHM J |
| R385 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| R386 | 24011153 | CHIP, METAL FILM, 1/2OW 15K OHM J |
| R387 | 24011432 | CHIP, METAL FILM, 1/20W 4.3K OHM J |
| R388 | 24011153 | CHIP, METAL FILM, 1/2OW 15K OHM J |
| R391 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R392 | 24872472 | CHIP, 1/16W 4.7K OHM J |
| R394 | 24872472 | CHIP, 1/16W 4.7K OHM J |
| R405 | 24553682 | OXIDE METAL FILM, 1W 6.8K OHM J |
| R411 | 24366101 | CARBON FILM, 1/6W 100 OHM J |
| R412 | 24323228 | OXIDE METAL FILM, 2W 0.22 OHM J |
| R415 | 24383271 | OXIDE METAL FILM, 2W 270 OHM J |
| R421 | 24531220 | FUSIBLE, 1/2W 22 OHM J |
| R426 | 24366222 | CARBON FILM, 1/6W 2.2K OHM J |
| R429 | 24553100 | OXIDE METAL FILM, 1W 10 OHM J |
| R431 | 24531220 | FUSIBLE, 1/2W 22 OHM J |
| R435 | 24367184 | CARBON FILM, 1/6W 180K OHM G |
| R441 | 24383181 | OXIDE METAL FILM, 2W 180 OHM J |
| R460 | 24003898 | METAL FILM, 1/4W 3.3K OHM J |
| R461 | 24366331 | CARBON FILM, 1/6W 330 OHM J |
| R462 | 24366562 | CARBON FILM, 1/6W 5.6K OHM J |
| R464 | 24366101 | CARBON FILM, 1/6W 100 OHM J |
| R465 | 24998511 | CHIP, 1/16W 510 OHM |
| R466 | 24383220 | OXIDE METAL FILM, 2W 22 OHM J |
| R467 | 24383220 | OXIDE METAL FILM, 2W 22 OHM J |
| R468 | 24998113 | CHIP, 1/16W 11K OHM |
| R469 | 24366823 | CARBON FILM, 1/6W 82K OHM J |
| R470 | 24339518 | OXIDE METAL FILM, 2W 0.51 OHM J |
| R471 | 24381271 | OXIDE METAL FILM, 1/2W 270 OHM J |
| R472 | 24381270 | OXIDE METAL FILM, 1/2W 27 OHM J |
| R473 | 24000247 | METAL FILM, 1/4W 39K OHM F |
| R474 | 24872472 | CHIP, 1/16W 4.7K OHM J |
| R475 | 24872912 | CHIP, 1/16W 9.1K OHM J |
| R476 | 24000221 | METAL FILM, 1/4W 20K OHM F |
| R477 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R478 | 24338109 | OXIDE METAL FILM, 1W 1 OHM J |
| R479 | 24381131 | OXIDE METAL FILM, 1/2W 130 OHM J |
| R481 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R482 | 24011182 | CHIP, METAL FILM, 1/20W 1.8K OHM J |
| R483 | 24011223 | CHIP, 1/20W 22K OHM J |
| R486 | 24011622 | CHIP, METAL FILM, 1/20W 6.2K OHM J |
| R487 | 24011474 | CHIP, METAL FILM, 1/20W 470K OHM J |
| R488 | 24011154 | CHIP, METAL FILM, 1/20W 150K OHM J |
| R489 | 24011563 | CHIP, METAL FILM, 1/20W 56K OHM J |
| R491 | 24366122 | CARBON FILM, 1/6W 1.2K OHM J |
| R494 | 24367224 | CARBON FILM, 1/6W 220K OHM G |
| R513 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R514 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R515 | 24871103 | CHIP, 1/8W 10K OHM J |
| R525 | 24012752 | CHIP, 1/16W 7.5K OHM J |
| R531 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R532 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R554 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R555 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R560 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R561 | 24989083 | CHIP RES 5025 1/2W 180 J |
| R564 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R569 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| R571 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| R572 | 24012562 | METAL FILM CHIP 1005 1/16W 5R6K J |
| R601 | 24011333 | CHIP, METAL FILM, 1/20W 33K OHM J |
| R602 | 24011332 | CHIP, METAL FILM, 1/20W 3.3K OHM J |
| R603 | 24011273 | CHIP, 1/20W 27K OHM J |
| R604 | 24000445 | CHIP JUMPER, 1608TYPE |
| R605 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R606 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R607 | 24366561 | CARBON FILM, 1/6W 560 OHM J |
| R609 | 24000445 | CHIP JUMPER, 1608TYPE |
| R612 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R613 | 24011224 | CHIP, METAL FILM, 1/20W 220K OHM J |
| R614 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| R615 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R616 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R624 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R625 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R630 | 24554470 | OXIDE METAL FILM, 2W 47 OHM J |
| R631 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R632 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R633 | 24011563 | CHIP, METAL FILM, 1/20W 56K OHM J |
| R634 | 24011563 | CHIP, METAL FILM, 1/20W 56K OHM J |
| R635 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R636 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R639 | 24011473 | CHIP, METAL FILM, 1/20W 47K OHM J |
| R640 | 24011473 | CHIP, METAL FILM, 1/20W 47K OHM J |
| R653 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R661 | 24011222 | CHIP,METALFILM,1/20W2.2KOHMJ @U903 |
| | 24366101 | CARBON FILM, 1/6W 100 OHM J @U905A |
| R662 | 24011222 | CHIP,METALFILM,1/20W2.2KOHMJ @U903 |
| | 24366101 | CARBON FILM, 1/6W 100 OHM J @U905A |
| R663 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R664 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R665 | 24011122 | CHIP, METAL FILM, 1/20W 1.2K OHM J |
| R666 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R667 | 24011273 | CHIP, 1/20W 27K OHM J |
| R668 | 24366223 | CARBON FILM, 1/6W 22K OHM J |
| R669 | 24366223 | CARBON FILM, 1/6W 22K OHM J |
| R671 | 24366229 | CARBON FILM, 1/6W 2.2 OHM J |
| R672 | 24366229 | CARBON FILM, 1/6W 2.2 OHM J |
| R679 | 24366229 | CARBON FILM, 1/6W 2.2 OHM J |
| R680 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R681 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R682 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R683 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R684 | 24000445 | CHIP JUMPER, 1608TYPE |
| R685 | 24011473 | CHIP, METAL FILM, 1/20W 47K OHM J |
| R686 | 24011473 | CHIP, METAL FILM, 1/20W 47K OHM J |
| R687 | 24000445 | CHIP JUMPER, 1608TYPE |
| R691 | 24366103 | CARBON FILM, 1/6W 10K OHM J |
| R692 | 24366183 | CARBON FILM, 1/6W 18K OHM J |
| R693 | 24366393 | CARBON FILM, 1/6W 39K OHM J |
| R697 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R702 | 24552221 | OXIDE METAL FILM, 1/2W 220 OHM J |
| R709 | 24366563 | CARBON FILM, 1/6W 56K OHM J |
| R713 | 24366393 | CARBON FILM, 1/6W 39K OHM J |
| R715 | 24366273 | CARBON FILM, 1/6W 27K OHM J |
| R716 | 24366273 | CARBON FILM, 1/6W 27K OHM J |
| R717 | 24366333 | CARBON FILM, 1/6W 33K OHM J |
| R718 | 24366222 | CARBON FILM, 1/6W 2.2K OHM J |
| R719 | 24366101 | CARBON FILM, 1/6W 100 OHM J |
| R720 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R721 | 24366101 | CARBON FILM, 1/6W 100 OHM J |
| R722 | 24552471 | OXIDE METAL FILM, 1/2W 470 OHM J |
| R723 | 24366101 | CARBON FILM, 1/6W 100 OHM J |
| R724 | 24366151 | CARBON FILM, 1/6W 150 OHM J |
| R725 | 24366182 | CARBON FILM, 1/6W 1.8K OHM J |
| R730 | 24552100 | OXIDE METAL FILM, 1/2W 10 OHM J |
| R731 | 24552331 | OXIDE METAL FILM, 1/2W 330 OHM J |
| R732 | 24366330 | CARBON FILM, 1/6W 33 OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| R733 | 24366683 | CARBON FILM, 1/6W 68K OHM J |
| R734 | 24366330 | CARBON FILM, 1/6W 33 OHM J |
| R735 | 24366683 | CARBON FILM, 1/6W 68K OHM J |
| R736 | 24553470 | OXIDE METAL FILM, 1W 47 OHM J |
| R737 | 24366681 | CARBON FILM, 1/6W 680 OHM J |
| R738 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R739 | 24366681 | CARBON FILM, 1/6W 680 OHM J |
| R740 | 24553470 | OXIDE METAL FILM, 1W 47 OHM J |
| R741 | 24322229 | OXIDE METAL FILM, 1W 2.2 OHM J |
| R742 | 24322229 | OXIDE METAL FILM, 1W 2.2 OHM J |
| R743 | 24554181 | OXIDE METAL FILM, 2W 180 OHM J |
| R744 | 24366122 | CARBON FILM, 1/6W 1.2K OHM J |
| R745 | 24366122 | CARBON FILM, 1/6W 1.2K OHM J |
| ⚠ R801 | 24004716 | METAL GLAZE 1/2W 2R2M J |
| R803 | 24553683 | OXIDE METAL FILM, 1W 68K OHM J |
| R805 | 24552221 | OXIDE METAL FILM, 1/2W 220 OHM J |
| R806 | 24381183 | OXIDE METAL FILM, 1/2W 18K OHM J |
| R807 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| ⚠ R808 | 24019503 | THERMISTOR, PTC, AC290V 4.5 OHM M |
| R811 | 24366225 | CARBON FILM, 1/6W 2.2M OHM J |
| R812 | 24568479 | CERAMIC COVERED, 7W 4.7 OHM J |
| R813 | 24007061 | CERAMIC COVERED, 2W 1.8 OHM K |
| R815 | 24552102 | OXIDE METAL FILM, 1/2W 1K OHM J |
| R818 | 24019459 | METAL PLATE, 2W 0.12 OHM J |
| R819 | 24381820 | OXIDE METAL FILM, 1/2W 82 OHM J |
| R821 | 24366101 | CARBON FILM, 1/6W 100 OHM J |
| R823 | 24381272 | OXIDE METAL FILM, 1/2W 2.7K OHM J |
| R824 | 24569689 | CERAMIC COVERED, 10W 6.8 OHM J |
| R829 | 24321338 | OXIDE METAL FILM, 1/2W 0.33 OHM J |
| R834 | 24011332 | CHIP, METAL FILM, 1/20W 3.3K OHM J |
| R841 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R842 | 24552562 | OXIDE METAL FILM, 1/2W 5.6K OHM J |
| R843 | 24011473 | CHIP, METAL FILM, 1/20W 47K OHM J @U904 |
| | 24366103 | CARBON FILM, 1/6W 10K OHM J @U905A |
| R844 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R857 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R858 | 24011472 | CHIP, METAL FILM, 1/20W 4.7K OHM J |
| R880 | 24552471 | OXIDE METAL FILM, 1/2W 470 OHM J |
| R881 | 24552561 | OXIDE METAL FILM, 1/2W 560 OHM J |
| R882 | 24366222 | CARBON FILM, 1/6W 2.2K OHM J |
| R883 | 24366561 | CARBON FILM, 1/6W 560 OHM J |
| ⚠ R899 | 24004718 | METAL GLAZE 1/2W 8R2M J |
| R901 | 24946561 | CARBON COMPOSITION, 1/2W 560 OHM K |
| R902 | 24946561 | CARBON COMPOSITION, 1/2W 560 OHM K |
| R903 | 24946561 | CARBON COMPOSITION, 1/2W 560 OHM K |
| R904 | 24366472 | CARBON FILM, 1/6W 4.7K OHM J |
| R905 | 24366150 | CARBON FILM, 1/6W 15 OHM J |
| R912 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R914 | 24366151 | CARBON FILM, 1/6W 150 OHM J |
| R915 | 24366470 | CARBON FILM, 1/6W 47 OHM J |
| R916 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R917 | 24366331 | CARBON FILM, 1/6W 330 OHM J |
| R918 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R919 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R920 | 24000883 | FUSIBLE, 1W 3.6 OHM J |
| R921 | 24366151 | CARBON FILM, 1/6W 150 OHM J |
| R922 | 24366470 | CARBON FILM, 1/6W 47 OHM J |
| R924 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R925 | 24366331 | CARBON FILM, 1/6W 330 OHM J |
| R926 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R928 | 24366151 | CARBON FILM, 1/6W 150 OHM J |
| R929 | 24366470 | CARBON FILM, 1/6W 47 OHM J |
| R930 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R932 | 24366332 | CARBON FILM, 1/6W 3.3K OHM J |
| R933 | 24545829 | FUSIBLE, 1/4W 8.2 OHM J |
| R934 | 24366391 | CARBON FILM, 1/6W 390 OHM J |
| R935 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| R937 | 24366331 | CARBON FILM, 1/6W 330 OHM J |
| R939 | 24366100 | CARBON FILM, 1/6W 10 OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| R942 | 24366392 | CARBON FILM, 1/6W 3.9K OHM J |
| R943 | 24366392 | CARBON FILM, 1/6W 3.9K OHM J |
| R944 | 24366392 | CARBON FILM, 1/6W 3.9K OHM J |
| R945 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R946 | 24366220 | CARBON FILM, 1/6W 22 OHM J |
| R952 | 24366622 | CARBON FILM, 1/6W 6.2K OHM J |
| R953 | 24366622 | CARBON FILM, 1/6W 6.2K OHM J |
| R954 | 24366622 | CARBON FILM, 1/6W 6.2K OHM J |
| R960 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R961 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R962 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R963 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R964 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R965 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R977 | 24366561 | CARBON FILM, 1/6W 560 OHM J |
| R978 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R979 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R980 | 24366471 | CARBON FILM, 1/6W 470 OHM J |
| R981 | 24366471 | CARBON FILM, 1/6W 470 OHM J |
| R992 | 24366150 | CARBON FILM, 1/6W 15 OHM J |
| R993 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R994 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R995 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R996 | 24383153 | OXIDE METAL FILM, 2W 15K OHM J |
| R2001 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R2003 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R2020 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R2060 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| R2061 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| R2062 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R2104 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| R2105 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R2106 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R2107 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R2111 | 24000445 | CHIP JUMPER, 1608TYPE |
| R2112 | 24000445 | CHIP JUMPER, 1608TYPE |
| R2113 | 24000445 | CHIP JUMPER, 1608TYPE |
| R2149 | 24872102 | CHIP, 1/16W 1K OHM J |
| R2150 | 24872102 | CHIP, 1/16W 1K OHM J |
| R2151 | 24872102 | CHIP, 1/16W 1K OHM J |
| R2155 | 24872102 | CHIP, 1/16W 1K OHM J |
| R2156 | 24872102 | CHIP, 1/16W 1K OHM J |
| R2157 | 24872102 | CHIP, 1/16W 1K OHM J |
| R2163 | 24000445 | CHIP JUMPER, 1608TYPE |
| R2164 | 24000445 | CHIP JUMPER, 1608TYPE |
| R2165 | 24000445 | CHIP JUMPER, 1608TYPE |
| R2202 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R3240 | 24872681 | CHIP, 1/16W 680 OHM J |
| R3280 | 24998102 | CHIP, 1/16W 1K OHM |
| R3380 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R3900 | 24000824 | CHIP JUMPER, 2125TYPE |
| R4110 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R4111 | 24019259 | FUSIBLE, 1/4W 27 OHM G |
| R4112 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| R4113 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R4115 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| R4116 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R4117 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R4118 | 24998103 | CHIP, 1/16W 10K OHM |
| R4310 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| R4401 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| R4403 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| R4405 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R4407 | 24000445 | CHIP JUMPER, 1608TYPE |
| R4409 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| R4411 | 24000445 | CHIP JUMPER, 1608TYPE |
| R4412 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R4414 | 24000445 | CHIP JUMPER, 1608TYPE |
| R4461 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| R4466 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R4467 | 24012332 | CHIP, METAL FILM, 1/16W 3.3K OHM J |
| R4471 | 24011223 | CHIP, 1/20W 22K OHM J |
| R4472 | 24011223 | CHIP, 1/20W 22K OHM J |
| R4500 | 24321229 | OXIDE METAL FILM, 1/2W 2.2 OHM J |
| R4501 | 24553470 | OXIDE METAL FILM, 1W 47 OHM J |
| R4504 | 24553470 | OXIDE METAL FILM, 1W 47 OHM J |
| R4560 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R4562 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| R4563 | 24011752 | CHIP, METAL FILM, 1/20W 7.5K OHM J |
| R4605 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R4620 | 24998333 | CHIP, 1/16W 33K OHM |
| R4630 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| R4670 | 24998472 | CHIP, 1/16W 4.7K OHM |
| R4690 | 24872103 | CHIP, 1/16W 10K OHM J |
| R4691 | 24872242 | CHIP, 1/16W 2.4K OHM J |
| R4692 | 24872471 | CHIP, 1/16W 470 OHM J |
| R4693 | 24552331 | OXIDE METAL FILM, 1/2W 330 OHM J |
| R4700 | 24011334 | CHIP, METAL FILM, 1/20W 330K OHM J |
| R4701 | 24011474 | CHIP, METAL FILM, 1/20W 470K OHM J |
| R4703 | 24011223 | CHIP, 1/20W 22K OHM J |
| R4710 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R4711 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| R4712 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| R4713 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R4714 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| R4715 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| R4717 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| R4718 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R4799 | 24872103 | CHIP, 1/16W 10K OHM J |
| R4820 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| R4999 | 24366682 | CARBON FILM, 1/6W 6.8K OHM J |
| R5001 | 24011274 | CHIP, 1/20W 270K OHM J |
| R5002 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| R5004 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| R5005 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| R5007 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| R5008 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| R5009 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| R5011 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| R5012 | 24011152 | CHIP, METAL FILM, 1/20W 1.5K OHM J |
| R5013 | 24011361 | CHIP, 1/20W 360 OHM J |
| R5014 | 24012122 | CHIP, METAL FILM, 1/16W 1.2K OHM J |
| R5015 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R5016 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R5017 | 24012681 | CHIP, METAL FILM, 1/16W 680 OHM J |
| R5020 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R5021 | 24012182 | CHIP, METAL FILM, 1/16W 1.8K OHM J |
| R5022 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R5023 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R5024 | 24012561 | CHIP, METAL FILM, 1/16W 560 OHM J |
| R5025 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R5026 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| R5027 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| R5028 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R5029 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| R5030 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| R5031 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| R5032 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RA01 | 24012392 | CHIP, METAL FILM, 1/16W 3.9K OHM J |
| RA02 | 24012393 | CHIP, METAL FILM, 1/16W 39K OHM J |
| RA03 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA04 | 24012273 | CHIP, METAL FILM, 1/16W 27K OHM J |
| RA05 | 24012273 | CHIP, METAL FILM, 1/16W 27K OHM J |
| RA06 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA07 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA08 | 24011271 | CHIP, 1/20W 270 OHM J |
| RA09 | 24011271 | CHIP, 1/20W 270 OHM J |
| RA10 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| RA11 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA12 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA13 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RA14 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RA15 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| RA16 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| RA17 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| RA18 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| RA19 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| RA23 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA24 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA25 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA26 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |
| RA27 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |
| RA28 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA29 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA30 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA31 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA32 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA33 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA34 | 24012473 | CHIP, METAL FILM, 1/16W 47K OHM J |
| RA37 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA38 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA39 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA40 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA41 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA42 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA43 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA44 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA45 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA46 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RA48 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA50 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA51 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA52 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA53 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA54 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA55 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA56 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA57 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA58 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA59 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA60 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA61 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA62 | 24011334 | CHIP, METAL FILM, 1/20W 330K OHM J |
| RA63 | 24011334 | CHIP, METAL FILM, 1/20W 330K OHM J |
| RA64 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA65 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA66 | 24012392 | CHIP, METAL FILM, 1/16W 3.9K OHM J |
| RA67 | 24012392 | CHIP, METAL FILM, 1/16W 3.9K OHM J |
| RA68 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA69 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA70 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RA71 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J @U902 |
| | 24366683 | CARBON FILM, 1/6W 68K OHM J @U905A |
| RA72 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J @U902 |
| | 24366223 | CARBON FILM, 1/6W 22K OHM J @U905A |
| RA73 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J @U902 |
| | 24366103 | CARBON FILM, 1/6W 10K OHM J @U905A |
| RA74 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |
| RA75 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |
| RA76 | 24011271 | CHIP, 1/20W 270 OHM J @U902 |
| | 24366103 | CARBON FILM, 1/6W 10K OHM J @U905A |
| RA77 | 24011271 | CHIP, 1/20W 270 OHM J |
| RA78 | 24011271 | CHIP, 1/20W 270 OHM J |
| RA79 | 24011331 | CHIP, METAL FILM, 1/20W 330 OHM J |
| RA80 | 24011331 | CHIP, METAL FILM, 1/20W 330 OHM J |
| RA81 | 24011331 | CHIP, METAL FILM, 1/20W 330 OHM J |
| RA82 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| RA83 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |
| RA84 | 24012330 | CHIP, METAL FILM, 1/16W 33 OHM J |
| RA85 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA86 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA87 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J @U902 |
| | 24366223 | CARBON FILM, 1/6W 22K OHM J @U905A |
| RA88 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA90 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| RA91 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| RA92 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA93 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA100 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RA101 | 24012391 | CHIP, METAL FILM, 1/16W 390 OHM J |
| RA102 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA103 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RA104 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RA105 | 24012682 | CHIP, METAL FILM, 1/16W 6.8K OHM J |
| RA106 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| RA107 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA108 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA109 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RA110 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RA111 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RA112 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA113 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA114 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA115 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA116 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RA117 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RA118 | 24012153 | CHIP, METAL FILM, 1/16W 15K OHM J |
| RA119 | 24012221 | CHIP, METAL FILM, 1/16W 220 OHM J |
| RA120 | 24012221 | CHIP, METAL FILM, 1/16W 220 OHM J |
| RA121 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RA122 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RA123 | 24012332 | CHIP, METAL FILM, 1/16W 3.3K OHM J |
| RA124 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RA125 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RA126 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA127 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RA128 | 24012473 | CHIP, METAL FILM, 1/16W 47K OHM J |
| RA434 | 24012473 | CHIP, METAL FILM, 1/16W 47K OHM J |
| RA501 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RA502 | 24011683 | CHIP, METAL FILM, 1/20W 68K OHM J |
| RA503 | 24011393 | CHIP, 1/20W 39K OHM J |
| RA504 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| RB01 | 24366271 | CARBON FILM, 1/6W 270 OHM J |
| RB02 | 24366221 | CARBON FILM, 1/6W 220 OHM J |
| RB04 | 24366223 | CARBON FILM, 1/6W 22K OHM J |
| RB09 | 24366470 | CARBON FILM, 1/6W 47 OHM J |
| RB11 | 24366103 | CARBON FILM, 1/6W 10K OHM J |
| RB20 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RB21 | 24366104 | CARBON FILM, 1/6W 100K OHM J |
| RC01 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC02 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC03 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC04 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC05 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC06 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC07 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC08 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC09 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC10 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RC11 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J @U903 |
| | 24366102 | CARBON FILM, 1/6W 1K OHM J @U905A |
| RC12 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J @U903 |
| | 24366102 | CARBON FILM, 1/6W 1K OHM J @U905A |
| RJ01 | 24000633 | METAL FILM, 1/4W 10K OHM F |
| RJ02 | 24000359 | METAL FILM, 1/4W 1.1K OHM F |
| RJ03 | 24366512 | CARBON FILM, 1/6W 5.1K OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| RJ05 | 24310159 | OXIDE METAL FILM, 1/2W 1.5 OHM J |
| RJ06 | 24382471 | OXIDE METAL FILM, 1W 470 OHM J |
| RJ07 | 24310129 | OXIDE METAL FILM, 1/2W 1.2 OHM J |
| RJ08 | 24366102 | CARBON FILM, 1/6W 1K OHM J |
| RS20 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| RS21 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RS25 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| RS26 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| RS31 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| RS32 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| RS33 | 24011223 | CHIP, 1/20W 22K OHM J |
| RS34 | 24011223 | CHIP, 1/20W 22K OHM J |
| RS40 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS41 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS42 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS43 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS44 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS45 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS46 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS47 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS48 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS49 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS54 | 24011272 | CHIP, 1/20W 2.7K OHM J |
| RS55 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS56 | 24011562 | CHIP, METAL FILM, 1/20W 5.6K OHM J |
| RS57 | 24011223 | CHIP, 1/20W 22K OHM J |
| RS58 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS59 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS60 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS61 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS64 | 24011682 | CHIP, METAL FILM, 1/20W 6.8K OHM J |
| RS65 | 24011182 | CHIP, METAL FILM, 1/20W 1.8K OHM J |
| RS66 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RS67 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS68 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS69 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| RS70 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| RS71 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RS72 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RS73 | 24011223 | CHIP, 1/20W 22K OHM J |
| RS74 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RS75 | 24011104 | CHIP, METAL FILM, 1/20W 100K OHM J |
| RS76 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS77 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| RS78 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RS79 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS80 | 24011222 | CHIP, METAL FILM, 1/20W 2.2K OHM J |
| RS81 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RS82 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RS83 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV01 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV02 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV03 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RV04 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RV05 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV06 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV07 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV08 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV09 | 24000445 | CHIP JUMPER, 1608TYPE |
| RV11 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV12 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV17 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV18 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV19 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV23 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV24 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV28 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV29 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV30 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| RV31 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV32 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV33 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV40 | 24011683 | CHIP, METAL FILM, 1/20W 68K OHM J |
| RV41 | 24011683 | CHIP, METAL FILM, 1/20W 68K OHM J |
| RV42 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV82 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV83 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV84 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV85 | 24366750 | CARBON FILM, 1/6W 75 OHM J |
| RV87 | 24366750 | CARBON FILM, 1/6W 75 OHM J |
| RV101 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV103 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RV104 | 24011330 | CHIP, 1/20W 33 OHM J |
| RV111 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV113 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RV114 | 24011330 | CHIP, 1/20W 33 OHM J |
| RV121 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV123 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RV124 | 24011330 | CHIP, 1/20W 33 OHM J |
| RV131 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV133 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RV141 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV143 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RV151 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV153 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RV201 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV202 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV203 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV204 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV205 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV206 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RV481 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RV482 | 24552101 | OXIDE METAL FILM, 1/2W 100 OHM J |
| RV483 | 24366681 | CARBON FILM, 1/6W 680 OHM J |
| RV484 | 24011750 | CHIP, METAL FILM, 1/20W 75 OHM J |
| RX001 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX012 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX013 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX014 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX015 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX020 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX021 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RX099 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RX101 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX102 | 24011332 | CHIP, METAL FILM, 1/20W 3.3K OHM J |
| RX105 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RX106 | 24012473 | CHIP, METAL FILM, 1/16W 47K OHM J |
| RX107 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX108 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX110 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RX112 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX113 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX114 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX115 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX116 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX117 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX118 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX162 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX163 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX164 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX300 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX301 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX302 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX303 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX304 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX305 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX306 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX307 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |

| Location No. | Parts No. | Description |
|---|---|---|
| RX308 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX309 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX310 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX311 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX312 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX313 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX314 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RX315 | 24019448 | CHIP BLOCK, 1/32W 10K OHM J X-8 |
| RX316 | 24019448 | CHIP BLOCK, 1/32W 10K OHM J X-8 |
| RX317 | 24019448 | CHIP BLOCK, 1/32W 10K OHM J X-8 |
| RX318 | 24019448 | CHIP BLOCK, 1/32W 10K OHM J X-8 |
| RX401 | 24000559 | CHIP, 1/16W 820 OHM F |
| RX402 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX403 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RX411 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |
| RX412 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX413 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX414 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RX415 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX416 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RX417 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RX418 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |
| RX419 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RX420 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX421 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX422 | 24012333 | CHIP, METAL FILM, 1/16W 33K OHM J |
| RX423 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX424 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |
| RX430 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RX433 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX446 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RX501 | 24012620 | METAL FILM CHIP 1005 1/16W 62 J |
| RX502 | 24012620 | METAL FILM CHIP 1005 1/16W 62 J |
| RX503 | 24011560 | CHIP, METAL FILM, 1/20W 56 OHM J |
| RX504 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX505 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX506 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RX507 | 24011102 | CHIP, METAL FILM, 1/20W 1K OHM J |
| RX510 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX511 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX513 | 24011332 | CHIP, METAL FILM, 1/20W 3.3K OHM J |
| RX514 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX515 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX516 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RX517 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RX518 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RX519 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX520 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX521 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX522 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX523 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX525 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX527 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX529 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX530 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX531 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RX532 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX533 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RX534 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX535 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX536 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RX555 | 24011201 | CHIP, METAL FILM, 1/20W 200 OHM J |
| RX557 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX565 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| RX567 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX575 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| RX577 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX578 | 24011473 | CHIP, METAL FILM, 1/20W 47K OHM J |
| RX581 | 24011334 | CHIP, METAL FILM, 1/20W 330K OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| RX582 | 24011334 | CHIP, METAL FILM, 1/20W 330K OHM J |
| RX600 | 24012750 | METAL FILM CHIP 1005 1/16W 750 J |
| RX601 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX602 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX603 | 24011680 | CHIP, METAL FILM, 1/20W 68 OHM J |
| RX607 | 24011221 | CHIP, METAL FILM, 1/20W 220 OHM J |
| RX608 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX610 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX611 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX613 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX614 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX616 | 24011681 | CHIP, METAL FILM, 1/20W 680 OHM J |
| RX617 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX618 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX619 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX802 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX803 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX805 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX806 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX831 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX832 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX833 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RX834 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX835 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX839 | 24012332 | CHIP, METAL FILM, 1/16W 3.3K OHM J |
| RX840 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| RX841 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RX901 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX902 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX903 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX904 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX905 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX906 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX907 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX908 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX909 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX910 | 24000445 | CHIP JUMPER, 1608TYPE |
| RX911 | 24000445 | CHIP JUMPER, 1608TYPE |
| RY001 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| RY002 | 24011274 | CHIP, 1/20W 270K OHM J |
| RY003 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RY004 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RY005 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RY006 | 24011470 | CHIP, METAL FILM, 1/20W 47 OHM J |
| RY007 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RY008 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| RY009 | 24011152 | CHIP, METAL FILM, 1/20W 1.5K OHM J |
| RY010 | 24011361 | CHIP, 1/20W 360 OHM J |
| RY011 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RY012 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RY013 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RY014 | 24011100 | CHIP, METAL FILM, 1/20W 10 OHM J |
| RY015 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RY016 | 24019480 | CHIP BLOCK P-8 1/32W P-8 47 J |
| RY02 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RY04 | 24011103 | CHIP, METAL FILM, 1/20W 10K OHM J |
| RY160 | 24011471 | CHIP, METAL FILM, 1/20W 470 OHM J |
| RY170 | 24011101 | CHIP, METAL FILM, 1/20W 100 OHM J |
| RY171 | 24011183 | CHIP, METAL FILM, 1/20W 18K OHM J |
| RY172 | 24011273 | CHIP, 1/20W 27K OHM J |
| RY401 | 24012391 | CHIP, METAL FILM, 1/16W 390 OHM J |
| RY402 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RY403 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RY404 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RY405 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RY406 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RY407 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RY408 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RY409 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |

| Location No. | Parts No. | Description |
|---|---|---|
| RY410 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RY411 | 24012821 | CHIP, METAL FILM, 1/16W 820 OHM J |
| RY412 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RY413 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RY414 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RY415 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RY416 | 24012681 | CHIP, METAL FILM, 1/16W 680 OHM J |
| RY417 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RY418 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RY419 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RY420 | 24012821 | CHIP, METAL FILM, 1/16W 820 OHM J |
| RY421 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RY422 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RY423 | 24012122 | CHIP, METAL FILM, 1/16W 1.2K OHM J |
| RY424 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RY425 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RY426 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RY427 | 24012122 | CHIP, METAL FILM, 1/16W 1.2K OHM J |
| RY428 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RY429 | 24012821 | CHIP, METAL FILM, 1/16W 820 OHM J |
| RY430 | 24012681 | CHIP, METAL FILM, 1/16W 680 OHM J |
| RY431 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RZ01 | 24012221 | CHIP, METAL FILM, 1/16W 220 OHM J |
| RZ02 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RZ03 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RZ04 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RZ05 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RZ06 | 24012561 | CHIP, METAL FILM, 1/16W 560 OHM J |
| RZ07 | 24012332 | CHIP, METAL FILM, 1/16W 3.3K OHM J |
| RZ08 | 24012271 | CHIP, METAL FILM, 1/16W 270 OHM J |
| RZ09 | 24012821 | CHIP, METAL FILM, 1/16W 820 OHM J |
| RZ10 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RZ11 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RZ13 | 24012221 | CHIP, METAL FILM, 1/16W 220 OHM J |
| RZ14 | 24012223 | CHIP, METAL FILM, 1/16W 22K OHM J |
| RZ15 | 24012224 | METAL FILM CHIP 1005 1/16W 220K J |
| RZ16 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RZ17 | 24012182 | CHIP, METAL FILM, 1/16W 1.8K OHM J |
| RZ18 | 24012103 | CHIP, METAL FILM, 1/16W 10K OHM J |
| RZ19 | 24012472 | CHIP, METAL FILM, 1/16W 4.7K OHM J |
| RZ20 | 24012220 | METAL FILM CHIP 1005 1/16W 22 J |
| RZ21 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RZ22 | 24012221 | CHIP, METAL FILM, 1/16W 220 OHM J |
| RZ23 | 24012152 | CHIP, METAL FILM, 1/16W 1.5K OHM J |
| RZ24 | 24012222 | CHIP, 1/16W 2.2K OHM J |
| RZ26 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RZ28 | 24012220 | METAL FILM CHIP 1005 1/16W 22 J |
| RZ29 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RZ30 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RZ31 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RZ32 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RZ33 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RZ34 | 24012681 | CHIP, METAL FILM, 1/16W 680 OHM J |
| RZ35 | 24012471 | CHIP, METAL FILM, 1/16W 470 OHM J |
| RZ37 | 24012104 | CHIP, METAL FILM, 1/16W 100K OHM J |
| RZ38 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RZ39 | 24012221 | CHIP, METAL FILM, 1/16W 220 OHM J |
| RZ40 | 24012331 | CHIP, METAL FILM, 1/16W 330 OHM J |
| RZ41 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RZ42 | 24012101 | CHIP, METAL FILM, 1/16W 100 OHM J |
| RZ47 | 24012102 | CHIP, METAL FILM, 1/16W 1K OHM J |
| RZ48 | 24012112 | METAL FILM CHIP 1005 1/16W 112 J |
| RZ50 | 24012332 | CHIP, METAL FILM, 1/16W 3.3K OHM J |

**COIL & TRANSFORMERS**

| | | |
|---|---|---|
| L101 | 23248296 | COIL, CHOKE |
| L102 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| L103 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| L300 | 23103894 | FERRITE BEAD CORE, TEM2011AW |

| Location No. | Parts No. | Description |
|---|---|---|
| L302 | 23289846 | COIL, PEAKING, TRF4101AT |
| L441 | 23233120 | COIL, LIN 20XH40 7A 9MMH TLN2228AH |
| L442 | 23248302 | COIL, CHOKE, TLN3521GH |
| L450 | 23248305 | COIL, CHOKE, TLN3346GH |
| L451 | 23233119 | COIL, WID-H42-0.45-1.4MH TLN2232AH |
| L461 | 23248310 | COIL, CHOKE, TLN3500GH |
| L462 | 23231401 | DEFLECTION YOKE, 32VPF2H RAC TDY-634KK |
| L462A | 23006010 | FERRITE SHEET, SPOILER POSI |
| L462B | 23006011 | FERRITE SHEET, SPOILER NEGA |
| L462C | 23993080 | METALSHEET,CONVERREVISION,TCCMXH01K |
| L463 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L464 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L491 | 23248191 | COIL, CHOKE, TLN3351AD |
| L501 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| L503 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| L550 | 23103272 | FILTER, EMI 2012 361OHM 0.22A TEM2034AD |
| L702 | 23261974 | COIL, FERRITE BEAD, HC5-035 |
| L704 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L705 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L706 | 23289918 | COIL, PEAKING, TRF4100AU |
| L811 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L815 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L817 | 23103937 | FERRITE CHOKE, TEM2004 |
| L836 | 23248288 | COIL, CHOKE, TLN3299GH |
| L840 | 23280019 | COIL, PEAKING, TRF4330AZ |
| L841 | 23248289 | COIL, CHOKE, TLN3312GH |
| L883 | 23221111 | COIL, CHOKE, TRF9253GH |
| L885 | 23248288 | COIL, CHOKE, TLN3299GH |
| L889 | 23248289 | COIL, CHOKE, TLN3312GH |
| L891 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L892 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| L893 | 23280016 | COIL, PEAKING, TRF4100AZ |
| L895 | 23248289 | COIL, CHOKE, TLN3312GH |
| L896 | 23103248 | FERRITR CHOKE, TEM2014AA |
| L897 | 23248289 | COIL, CHOKE, TLN3312GH |
| ⚠ L901 | 23200582 | COIL,DG0.45CU182T-2LOOP(PARA)TSB-2423AG |
| L902 | 23289930 | COIL, PEAKING, TRF4101AU |
| L903 | 23289930 | COIL, PEAKING, TRF4101AU |
| L904 | 23289930 | COIL, PEAKING, TRF4101AU |
| L905 | 23289920 | COIL, PEAKING COIL 15MMH TRF4150AU |
| L906 | 23289920 | COIL, PEAKING COIL 15MMH TRF4150AU |
| L907 | 23289920 | COIL, PEAKING COIL 15MMH TRF4150AU |
| L908 | 23289918 | COIL, PEAKING, TRF4100AU |
| L911 | 23289918 | COIL, PEAKING, TRF4100AU |
| L5400 | 23246197 | COIL,CHIP-INDUCTOR-1R5MMHJCOLTRF41R5CG |
| L5406 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L5407 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L5408 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8100 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8101 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8102 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| L8103 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8104 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8105 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8106 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8107 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8110 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| L8111 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LA01 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LA02 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA03 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA04 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA05 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA06 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA08 | 23246229 | COIL, CHIP INDUCTOR, TRF4101CG |
| LA09 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LA10 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LA11 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LA12 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |

| Location No. | Parts No. | Description |
|---|---|---|
| LA13 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA14 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA15 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA16 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA17 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA18 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA19 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA22 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA23 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA24 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA25 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA26 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA27 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LA28 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA29 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA30 | 23103887 | INDUCTOR, CHIP BEAD, TEM2130AM |
| LA31 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LA32 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LJ901 | 23200544 | COIL,GEOMAGNETICCORRECTIONTSB-2421AH |
| LV01 | 23289918 | COIL, PEAKING, TRF4100AU |
| LV03 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV04 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV06 | 23103146 | EMI FILTER, TEM2030AA |
| LV07 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV08 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV09 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV10 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV11 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LV12 | 23103159 | EMIFILTER,TEM2028AA,7.5X6.4X860MMH0.5A |
| LX100 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX202 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX203 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX301 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX302 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX304 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX305 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX308 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX330 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX331 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX332 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX333 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX335 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX401 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX403 | 23103272 | FILTER, EMI 2012 361OHM 0.22A TEM2034AD |
| LX432 | 23221099 | COIL, FILTER, TEM2027AD |
| LX435 | 23221099 | COIL, FILTER, TEM2027AD |
| LX436 | 23221099 | COIL, FILTER, TEM2027AD |
| LX443 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX444 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX470 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX500 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX501 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX542 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX551 | 23221099 | COIL, FILTER, TEM2027AD |
| LX552 | 23246191 | COIL,CHIP-INDUCTOR-R47MMHJCOLTRF4R47CG |
| LX561 | 23221099 | COIL, FILTER, TEM2027AD |
| LX562 | 23246191 | COIL,CHIP-INDUCTOR-R47MMHJCOLTRF4R47CG |
| LX571 | 23221099 | COIL, FILTER, TEM2027AD |
| LX572 | 23246191 | COIL,CHIP-INDUCTOR-R47MMHJCOLTRF4R47CG |
| LX600 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX601 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX700 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX800 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX900 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX901 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX903 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX904 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX905 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LX906 | 23103230 | INDUCTOR, BEAD, TEM2134AD |

| Location No. | Parts No. | Description |
|---|---|---|
| LX909 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LX910 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LY001 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LY002 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LY003 | 23246197 | COIL,CHIP-INDUCTOR-1R5MMHJCOLTRF41R5CG |
| LY004 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LY005 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LY101 | 23248296 | COIL, CHOKE |
| LY102 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LY103 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LZ003 | 23103230 | INDUCTOR, BEAD, TEM2134AD |
| LZ05 | 23246221 | COIL, CHIP INDUCTOR, TRF4220CG |
| LZ06 | 23246204 | COIL,CHIP-INDUCTOR-5R6MMHJCOLTRF45R6CG |
| LZ13 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LZ14 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LZ15 | 24000445 | CHIP JUMPER, 1608TYPE |
| LZ16 | 23103828 | INDUCTOR, BEAD, TEM2121M |
| LZ17 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LZ18 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LZ19 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| LZ20 | 24000445 | CHIP JUMPER, 1608TYPE |
| LZ21 | 23103239 | INDUCTOR, BEAD TEM2143AD |
| T400 | 23224390 | TRANSFORMER, FOCUS, TLN2226AH |
| ⚠ T401 | 23224381 | TRANSFORMER, HORIZ DRIVE, TLN1080GH |
| ⚠ T461Z | 23236932 | TRANSFORMER,HORIZ OUTPUT, SERVICE, TFB4216ZZ |
| ⚠ T801 | 23211765 | COIL, LF LH35V TRF3239AH |
| ⚠ T802 | 23211765 | COIL, LF LH35V TRF3239AH |
| T803 | 23211778 | COIL, LINE FILTER 37X44H 3.5MH TRF3209AH |
| ⚠ T840 | 23217650 | TRANSFORMER,CONVERTERTPW3541AH |
| ⚠ T862 | 23217683 | TRANSFORMER,CONVERTERTPW3556AH |
| **SEMICONDUCTORS** | | |
| Q170 | 23314993 | TRANSISTOR, 2SC4081 Q |
| Q200 | 23314292 | TRANSISTOR, 2SC4116-Y |
| Q201 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q220 | 23114460 | TRANSISTOR, RN1204 |
| Q301 | 23009353 | IC, AN5523 |
| Q302 | 23009930 | IC, E-W CORRECTION IC TA1317AF TA1317AFG(DRY,EL) |
| Q304 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q340 | 23205014 | TRANSISTOR, 2SC4667-O |
| Q360 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q370 | 23114497 | TRANSISTOR, RN1406 |
| Q371 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q372 | 23114497 | TRANSISTOR, RN1406 |
| Q373 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q374 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q391 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q392 | 23314163 | TRANSISTOR, 2SA1162-Y |
| Q393 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q394 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q396 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q399 | 23205079 | TRANSISTOR, 2SC4686A |
| Q402 | 23314862 | TRANSISTOR, FET, 2SK941 |
| Q404 | 23205149 | TRANSISTOR, 2SC5859(FA) |
| Q404B | 23850638 | INSULATOR, TRANSISTOR, AC263 |
| Q418 | 23314141 | TRANSISTOR, 2SC3852 |
| Q430 | 23009187 | IC, REGULATOR +9V 4% KIA7809API |
| Q460 | 23205031 | TRANSISTOR, FET, 2SK2920 |
| Q470 | 23114759 | TRANSISTOR, 2SA949-Y |
| Q484 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q486 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q501 | 23085063 | IC, 3L-COMB MCD LQFP 100PIN TC90101FG(BS,DRY) |
| Q510 | 23009369 | IC, TA1360AFG |
| Q520 | 23314289 | TRANSISTOR, 2SA1586-Y |
| Q601 | 23906597 | IC, BA4558F |
| Q612 | 23314994 | TRANSISTOR, 2SA1576A106 |
| Q613 | 23114499 | TRANSISTOR, RN1404 |
| Q620 | 23009699 | IC, AUDIO SOUND CONTROLLER BD3869AF |
| Q630 | 23009042 | IC, LA4525 |

| Location No. | Parts No. | Description |
|---|---|---|
| Q631 | 23205204 | TRANSISTOR, NPN VEBO=25V KTC2875B-RTK |
| Q632 | 23205204 | TRANSISTOR, NPN VEBO=25V KTC2875B-RTK |
| Q670 | 23906523 | IC, TA8256BH |
| Q671 | 23205204 | TRANSISTOR, NPN VEBO=25V KTC2875B-RTK |
| Q672 | 23205204 | TRANSISTOR, NPN VEBO=25V KTC2875B-RTK |
| Q673 | 23205204 | TRANSISTOR, NPN VEBO=25V KTC2875B-RTK |
| Q674 | 23205204 | TRANSISTOR, NPN VEBO=25V KTC2875B-RTK |
| Q691 | 23114466 | TRANSISTOR, RN2204 |
| Q705 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q706 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q707 | 23114437 | TRANSISTOR, 2SC752GTM-Y |
| Q709 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q710 | 23114425 | TRANSISTOR, 2SA1015-Y |
| Q711 | 23205075 | TRANSISTOR, 2SA1930 |
| Q712 | 23205076 | TRANSISTOR, 2SC5171 |
| Q719 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q720 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q801 | 23135049 | IC, HYBRID STR-X6769 |
| Q821 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q823 | 23009471 | IC, REGULATOR +2.5V 2% R1170H251B-T |
| Q824 | 23009471 | IC, REGULATOR +2.5V 2% R1170H251B-T |
| Q825 | 23009471 | IC, REGULATOR +2.5V 2% R1170H251B-T |
| ⚠ Q826 | 23009270 | IC, PHOTO COUPLER, PS2581L1(D) |
| Q827 | 23009991 | IC, ERROR AMP VS=133.7V TO220A SE133N, LF4 @U904 |
| | 23085064 | IC, +1.5V 2% REG. SOT-23-5 R1121N151B-TR-FA @U902 |
| Q828 | 23085064 | IC,+1.5V2%REG.SOT-23-5R1121N151B-TR-FA |
| Q829 | 23009471 | IC, REGULATOR +2.5V 2% R1170H251B-T |
| Q831 | 23009967 | IC, +5.0V 2% REG. TO220FP-3 BA50BC0T |
| Q832 | 23009971 | IC, +9.0V 2% REG. TO220FP-3 BA90BC0T |
| Q833 | 23009967 | IC, +5.0V 2% REG. TO220FP-3 BA50BC0T |
| Q834 | 23009546 | IC, REGULATOR +5V 3% NJM2396F05D |
| Q837 | 23085026 | IC, +3.3V 2% REG. TO252-3 BA33BC0FP-E2 |
| Q838 | 23009146 | IC, REGULATOR +3.3V 2% R1170H331B-T1 |
| Q840 | 23135038 | IC, MIP2900MPSCF |
| ⚠ Q842 | 23009270 | IC, PHOTO COUPLER, PS2581L1(D) |
| Q843 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q855 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q880 | 23114425 | TRANSISTOR, 2SA1015-Y |
| Q901 | 23314780 | TRANSISTOR, 2SC4544 |
| Q902 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q903 | 23314780 | TRANSISTOR, 2SC4544 |
| Q904 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q905 | 23314780 | TRANSISTOR, 2SC4544 |
| Q906 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q907 | 23114735 | TRANSISTOR, 2SA102-Y(C) |
| Q908 | 23114429 | TRANSISTOR, 2SC2120-Y |
| Q910 | 23114433 | TRANSISTOR, 2SC1815-Y |
| Q2104 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q2105 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q2106 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q2107 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q2108 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q2109 | 23205045 | TRANSISTOR, 2SA1037AKQ |
| Q3950 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q4021 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q4022 | 23314163 | TRANSISTOR, 2SA1162-Y |
| Q4104 | 23314993 | TRANSISTOR, 2SC4081 Q |
| Q4105 | 23314993 | TRANSISTOR, 2SC4081 Q |
| Q4106 | 23314163 | TRANSISTOR, 2SA1162-Y |
| Q4107 | 23314163 | TRANSISTOR, 2SA1162-Y |
| Q4460 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q4461 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q4465 | 23314994 | TRANSISTOR, 2SA1576A106 |
| Q4690 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q4710 | 23314163 | TRANSISTOR, 2SA1162-Y |
| Q4711 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q4712 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| Q5401 | 23314292 | TRANSISTOR, 2SC4116-Y |
| Q5402 | 23314289 | TRANSISTOR, 2SA1586-Y |

| Location No. | Parts No. | Description |
|---|---|---|
| Q5403 | 23314289 | TRANSISTOR, 2SA1586-Y |
| Q5404 | 23314292 | TRANSISTOR, 2SC4116-Y |
| Q5405 | 23314289 | TRANSISTOR, 2SA1586-Y |
| Q5406 | 23314292 | TRANSISTOR, 2SC4116-Y |
| Q5407 | 23314292 | TRANSISTOR, 2SC4116-Y |
| Q5408 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA01 | 23009431 | IC, SDA6001 B12 |
| QA02 | 23009339 | IC, AT24C256N-10SI-2.7 |
| QA03 | 23085238 | IC,ROM1MX16BITFLASHMX29LV160BTTC-70G |
| QA04 | 23085251 | IC,4MX163.3VSYNDRAMPC133EDS6416AHTA-75-E |
| QA06 | 23085156 | IC,REGULATOR+3.3V1%SOT-223AIC1117A-33PYJTR |
| QA07 | 23085155 | IC,REGULATOR+2.5V1%SOT-223AIC1117A-25PYJTR |
| QA08 | 23009291 | IC, RESET 4.0V SMP5 BD4740G-TR |
| QA09 | 23085246 | IC,2CHIICD/ACONVERTERPBFRM62332FPDF5J |
| QA11 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA12 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA13 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA14 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA15 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA16 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA17 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA18 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA19 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA20 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA21 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA22 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA23 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA24 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA25 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA26 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA27 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA28 | 23205014 | TRANSISTOR, 2SC4667-O |
| QA29 | 23205014 | TRANSISTOR, 2SC4667-O |
| QA30 | 23205140 | TRANSISTOR,DTC114EUAT106 |
| QA31 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA32 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA33 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA34 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA35 | 23205099 | TRANSISTOR, FET VDSS=60V RK7002 |
| QA36 | 23205099 | TRANSISTOR, FET VDSS=60V RK7002 |
| QA37 | 23205182 | TRANSISTOR,USMR1=2.2KR2=47KRN1305(TE85L) |
| QA38 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QA39 | 23009291 | IC, RESET 4.0V SMP5 BD4740G-TR |
| QA40 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA41 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QA42 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QB02 | 23114433 | TRANSISTOR, 2SC1815-Y |
| QB30 | 23314204 | TRANSISTOR, 2SC2412K,Q |
| QJ02 | 23009484 | IC, BD7941T-V5 |
| QS01 | 23009916 | IC, A S/W SSOP-36A MM1631AJBE |
| QS04 | 23114493 | TRANSISTOR, RN2404 |
| QS05 | 70114396 | TRANSISTOR, 2SC3326B |
| QS06 | 70114396 | TRANSISTOR, 2SC3326B |
| QS07 | 70114396 | TRANSISTOR, 2SC3326B |
| QS08 | 70114396 | TRANSISTOR, 2SC3326B |
| QS09 | 23114493 | TRANSISTOR, RN2404 |
| QS19 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QS20 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QS21 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QS41 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QS43 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QV01 | 23009952 | IC, V-SW SYNC-COUNT QFP80 CXA2189Q |
| QV10 | 23205112 | TRANSISTOR, 2SA1980UF-Y |
| QV11 | 23205112 | TRANSISTOR, 2SA1980UF-Y |
| QV12 | 23205112 | TRANSISTOR, 2SA1980UF-Y |
| QV13 | 23205112 | TRANSISTOR, 2SA1980UF-Y |
| QV14 | 23205112 | TRANSISTOR, 2SA1980UF-Y |
| QV15 | 23205112 | TRANSISTOR, 2SA1980UF-Y |
| QV48 | 23114425 | TRANSISTOR, 2SA1015-Y |

| Location No. | Parts No. | Description |
|---|---|---|
| QX100 | 23009986 | IC, 110MHZ 3CH ADC MST9883C-LF-110 |
| QX106 | 23009094 | IC, BD4728G |
| QX201 | 23009146 | IC, REGULATOR +3.3V 2% R1170H331B-T1 |
| QX300 | 23085178 | IC, HYPER GM6010-LF-BD |
| QX330 | 23009146 | IC, REGULATOR +3.3V 2% R1170H331B-T1 |
| QX401 | 23009713 | IC, 3CH VIDEO BUFFER SM5301AS-G-ET |
| QX402 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX403 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX404 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX405 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX406 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX470 | 23085109 | IC,CMOSQUADORGATETSSOP14TC74VHCT32AFT(EL) |
| QX501 | 23085040 | IC,REGULATOR+2.5V1%SSOP5BH25FB1WG-TR |
| QX511 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX521 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX531 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX552 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX562 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX572 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX573 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX574 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX575 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX576 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QX901 | 23000803 | IC, UPC2925T |
| QX903 | 23009839 | IC, REGULATOR |
| QX905 | 23009839 | IC, REGULATOR |
| QY01 | 23085063 | IC,3L-COMBMCDLQFP100PINTC90101FG(BS,DRY) |
| QY10 | 23314994 | TRANSISTOR, 2SA1576A106 |
| QY160 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QY170 | 23314993 | TRANSISTOR, 2SC4081 Q |
| QY401 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY402 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY403 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY404 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QY405 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY406 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY407 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QY408 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY409 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY410 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QY412 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QY415 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QY418 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QZ01 | 23085002 | IC, 3D Y/C SPRITTER UPD64084GC |
| QZ02 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QZ03 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ04 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QZ05 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ06 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ11 | 23114501 | TRANSISTOR, RN1402 |
| QZ13 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ14 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ15 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ17 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ18 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QZ20 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ21 | 23314289 | TRANSISTOR, 2SA1586-Y |
| QZ22 | 23314292 | TRANSISTOR, 2SC4116-Y |
| QZ23 | 23314289 | TRANSISTOR, 2SA1586-Y |
| D101 | 23316755 | DIODE, ZENER, MTZJ33C |
| D301 | 23357366 | DIODE, FR105-B5 |
| D302 | 23357366 | DIODE, FR105-B5 |
| D303 | 23357366 | DIODE, FR105-B5 |
| D312 | 23118041 | DIODE, MA111 |
| D318 | 23118859 | DIODE, 1SS133 |
| D321 | 23316753 | DIODE, ZENER, MTZJ33A |
| D327 | 23316715 | DIODE, ZENER, MTZJ11A |
| D330 | 23357457 | DIODE,TVSVRWM=64VVBR=74.85VSA64ALF |
| D341 | 23118041 | DIODE, MA111 |

| Location No. | Parts No. | Description |
|---|---|---|
| D372 | 23118859 | DIODE, 1SS133 |
| D373 | 23118859 | DIODE, 1SS133 |
| D374 | 23316716 | DIODE, ZENER, MTZJ11B |
| D404 | 23224366 | DIODE, FMQ-3GU |
| D406 | 23357366 | DIODE, FR105-B5 |
| D412 | 23357366 | DIODE, FR105-B5 |
| D414 | 23357366 | DIODE, FR105-B5 |
| D415 | 23357366 | DIODE, FR105-B5 |
| D419 | 23316716 | DIODE, ZENER, MTZJ11B |
| D420 | 23316675 | DIODE, ZENER, MTZJ6.2B |
| D431 | 23316691 | DIODE, ZENER, MTZJ10C |
| D439 | 23316591 | DIODE, ZENER, MA8100-M |
| D462 | 23316725 | DIODE, ZENER, MTZJ15B |
| D465 | 23357366 | DIODE, FR105-B5 |
| D469 | 23118859 | DIODE, 1SS133 |
| D470 | 23316758 | DIODE, ZENER, MTZJ36B |
| D471 | 23357366 | DIODE, FR105-B5 |
| D475 | 23316720 | DIODE, ZENER, MTZJ12C |
| D476 | 23118859 | DIODE, 1SS133 |
| D481 | 23118859 | DIODE, 1SS133 |
| D484 | 23115774 | DIODE, ZENER, RD6.2E(FA-1) |
| D485 | 23316688 | DIODE, ZENER, MTZJ9.1C |
| D486 | 23118859 | DIODE, 1SS133 |
| D490 | 23118859 | DIODE, 1SS133 |
| D502 | 23118041 | DIODE, MA111 |
| D505 | 23118041 | DIODE, MA111 |
| D520 | 23316533 | DIODE, ZENER 2.50-2.75 MA8027-L, TX |
| D533 | 23316592 | DIODE, ZENER 10.07-10.59 MA8100-H, TX |
| D540 | 23316592 | DIODE, ZENER 10.07-10.59 MA8100-H, TX |
| D601 | 23316740 | DIODE, ZENER, MTZ J 22D |
| D612 | 23118041 | DIODE, MA111 |
| D613 | 23118041 | DIODE, MA111 |
| D614 | 23118041 | DIODE, MA111 |
| D615 | 23118041 | DIODE, MA111 |
| D630 | 23316591 | DIODE, ZENER, MA8100-M |
| D631 | 23118041 | DIODE, MA111 |
| D632 | 23118041 | DIODE, MA111 |
| D633 | 23118041 | DIODE, MA111 |
| D634 | 23118041 | DIODE, MA111 |
| D660 | 23118041 | DIODE, MA111 |
| D662 | 23118041 | DIODE, MA111 |
| D663 | 23118041 | DIODE, MA111 |
| D664 | 23118041 | DIODE, MA111 |
| D670 | 23118041 | DIODE, MA111 |
| D671 | 23118041 | DIODE, MA111 |
| D672 | 23118041 | DIODE, MA111 |
| D673 | 23118041 | DIODE, MA111 |
| D674 | 23118041 | DIODE, MA111 |
| D675 | 23118041 | DIODE, MA111 |
| D698 | 23118041 | DIODE, MA111 |
| D704 | 23118859 | DIODE, 1SS133 |
| D705 | 23118859 | DIODE, 1SS133 |
| D715 | 23118859 | DIODE, 1SS133 |
| D721 | 23118859 | DIODE, 1SS133 |
| D801 | 23357041 | DIODE, LN6SB60-F05 |
| D801A | 23476068 | HEAT SINK, ASSEM D801 |
| D803 | 23316746 | DIODE, ZENER, MTZJ27B |
| D805 | 23357012 | DIODE, 1SS244 |
| D806 | 23357366 | DIODE, FR105-B5 |
| D807 | 23316678 | DIODE, ZENER, MTZJ6.8B |
| D808 | 23316746 | DIODE, ZENER, MTZJ27B |
| D811 | 23118859 | DIODE, 1SS133 |
| D815 | 23316754 | DIODE, ZENER, MTZJ33B |
| D817 | 23357012 | DIODE, 1SS244 |
| D821 | 23118859 | DIODE, 1SS133 |
| D828 | 23118859 | DIODE, 1SS133 |
| D840 | 23357207 | DIODE, LN1WBA60 |
| D841 | 23316673 | DIODE, ZENER, MTZJ5.6C |
| D842 | 23316665 | DIODE, ZENER, MTZJ4.7A |

| Location No. | Parts No. | Description |
|---|---|---|
| D843 | 23118094 | DIODE, EU2A |
| D845 | 23118859 | DIODE, 1SS133 |
| D846 | 23118633 | DIODE, ZENER, RD3.0ES B2 |
| D847 | 23118633 | DIODE, ZENER, RD3.0ES B2 |
| D848 | 23316689 | DIODE, ZENER, MTZJ10A |
| D849 | 23316689 | DIODE, ZENER, MTZJ10A |
| D854 | 23118859 | DIODE, 1SS133 |
| D855 | 23316675 | DIODE, ZENER, MTZJ6.2B |
| D883 | 23316803 | DIODE, FMU-G16S |
| D891 | 23357020 | DIODE, SF5S4 |
| D892 | 23316184 | DIODE, FML-G12S |
| D896 | 23118052 | DIODE, RU4Z LF-L1 |
| D899 | 24000656 | VARISTOR, TNR15G471K |
| D901 | 23118859 | DIODE, 1SS133 |
| D904 | 23118859 | DIODE, 1SS133 |
| D905 | 23118859 | DIODE, 1SS133 |
| D906 | 23118859 | DIODE, 1SS133 |
| D907 | 23357341 | DIODE, 1SS133 |
| D908 | 23357341 | DIODE, 1SS133 |
| D909 | 23357341 | DIODE, 1SS133 |
| D911 | 23357366 | DIODE, FR105-B5 |
| D921 | 23357366 | DIODE, FR105-B5 |
| D931 | 23357341 | DIODE, 1SS133 |
| D932 | 23357341 | DIODE, 1SS133 |
| D933 | 23357341 | DIODE, 1SS133 |
| D934 | 23357341 | DIODE, 1SS133 |
| D941 | 23357341 | DIODE, 1SS133 |
| D942 | 23357341 | DIODE, 1SS133 |
| D943 | 23357341 | DIODE, 1SS133 |
| D946 | 23357341 | DIODE, 1SS133 |
| D963 | 23357341 | DIODE, 1SS133 |
| D964 | 23357341 | DIODE, 1SS133 |
| D965 | 23357341 | DIODE, 1SS133 |
| D966 | 23357341 | DIODE, 1SS133 |
| D4401 | 23316594 | DIODE, ZENER, MA8110-M |
| D4413 | 23316537 | DIODE, ZENER 2.95-3.20 MA8030-H, TX |
| D4605 | 23316591 | DIODE, ZENER, MA8100-M |
| D4703 | 23118041 | DIODE, MA111 |
| DA01 | 23316573 | DIODE, ZENER, MA8062-L |
| DA02 | 23316573 | DIODE, ZENER, MA8062-L |
| DA03 | 23316573 | DIODE, ZENER, MA8062-L |
| DA04 | 23316573 | DIODE, ZENER, MA8062-L |
| DA05 | 23316573 | DIODE, ZENER, MA8062-L |
| DB01 | 23358564 | DIODE, LED, SLR-56VC3FPQ |
| DB02 | 23358563 | DIODE, LED, SLR-56MC3FPQR |
| DB03 | 23316672 | DIODE, ZENER, MTZJ5.6B |
| DB04 | 23316792 | DIODE, SC215 |
| DB05 | 23118859 | DIODE, 1SS133 |
| DB31 | 23118859 | DIODE, 1SS133 |
| DJ01 | 23357366 | DIODE, FR105-B5 |
| DJ02 | 23357366 | DIODE, FR105-B5 |
| DJ03 | 23357366 | DIODE, FR105-B5 |
| DJ04 | 23357366 | DIODE, FR105-B5 |
| DV03 | 23316571 | DIODE, ZENER, MA8056-M |
| KB01 | 23000852 | IC,REMOTEPHOTORECEIVER,PIC-37043TE2 |
| **MISCELLANEOUS** | | |
| B001 | 23448704 | CASE, MOD HS-A ECO T0.6 B040001 |
| B102 | 23974994 | BAND, KESSOKU |
| B212 | 23845859 | HOLDER, WIRE, PVC-C0AT, L=70MM |
| BB01B | 23713491 | SOCKET, 127301109K2 127301109K2 |
| BB03A | 23713201 | CONNECTOR, PLUG B-B 16P |
| BB03B | 23713202 | CONNECTOR, SOCKET B-B 16P |
| BB04A | 23713201 | CONNECTOR, PLUG B-B 16P |
| BB04B | 23713202 | CONNECTOR, SOCKET B-B 16P |
| BB05A | 23713201 | CONNECTOR, PLUG B-B 16P |
| BB05B | 23713202 | CONNECTOR, SOCKET B-B 16P |
| BB06A | 23713201 | CONNECTOR, PLUG B-B 16P |
| BB06B | 23713202 | CONNECTOR, SOCKET B-B 16P |

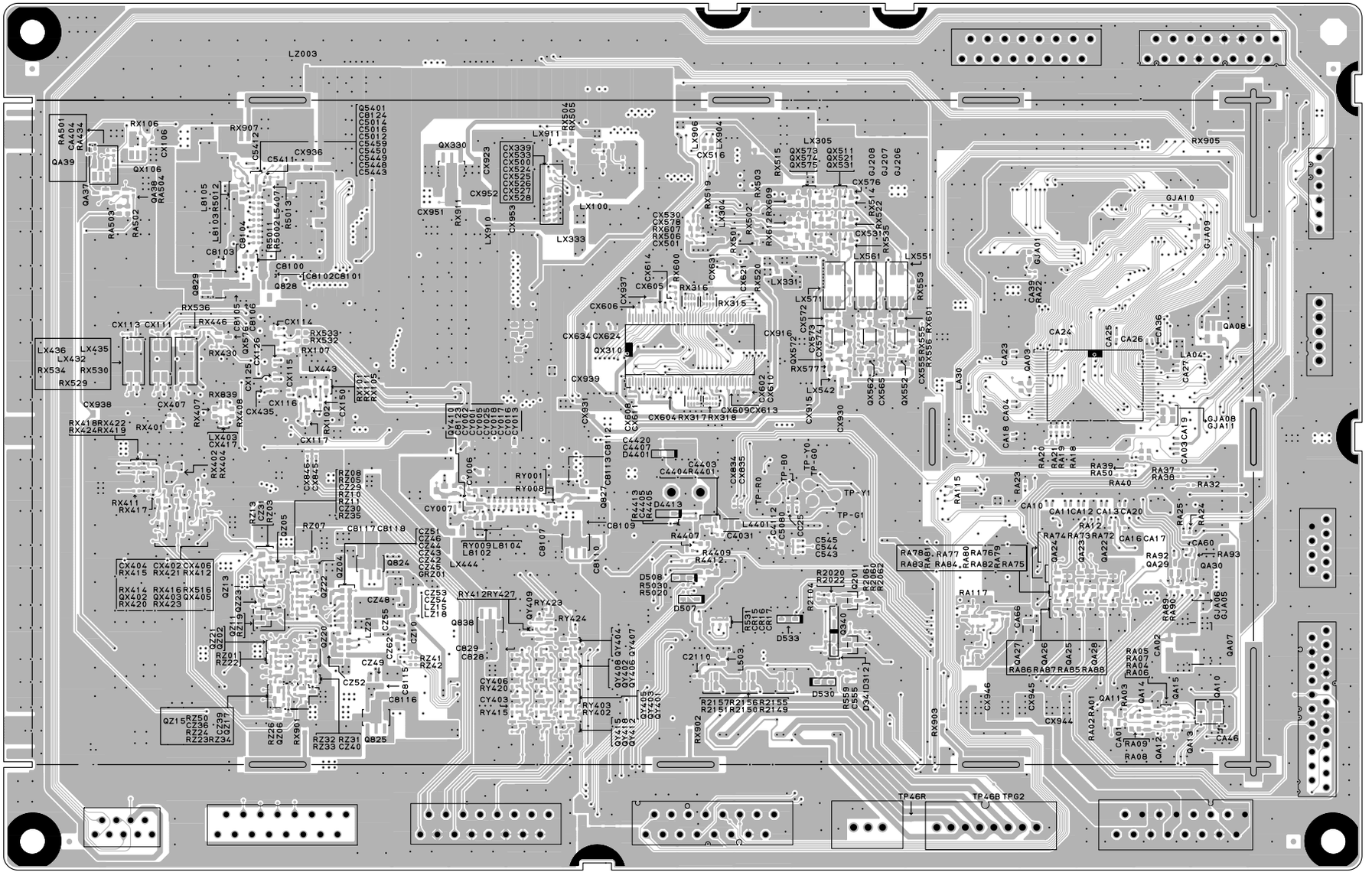
| Location No. | Parts No. | Description |
|---|---|---|
| BB07A | 23713201 | CONNECTOR, PLUG B-B 16P @U903 |
| | 23713201 | CONNECTOR, PLUG B-B 16P @U905A |
| BB07B | 23713202 | CONNECTOR, SOCKET B-B 16P @U904 |
| | 23713202 | CONNECTOR, SOCKET B-B 16P @U902 |
| BB08A | 23713201 | CONNECTOR, PLUG B-B 16P |
| BB08B | 23713202 | CONNECTOR, SOCKET B-B 16P |
| BB09 | 23903022 | CONNECTOR, BASE B-B 8P 2.5 JST |
| BB09B | 23713491 | SOCKET, 127301109K2 127301109K2 |
| D801B | 72471082 | SCREW,3X10MM |
| D883B | 70391355 | SCREW,BINDHEADTAP-TITEB,BITTB3X8SZN |
| D891B | 70391355 | SCREW,BINDHEADTAP-TITEB,BITTB3X8SZN |
| D892B | 70391355 | SCREW,BINDHEADTAP-TITEB,BITTB3X8SZN |
| E922 | 23845564 | CLAMPER |
| E947 | 23965900 | TAPE,GLASS-CLOTH,W/ADHESIVEW=18T=0.18 |
| E962 | 23974763 | TIE, KESSOKU BAND 2.5X204 |
| E965 | 23974994 | BAND, KESSOKU |
| ⚠ F470 | 23144724 | FUSE, CARTRIDGE 5.2X20 250V 1.25A |
| F470A | 23165433 | FUSE HOLDER, 5.2 SOC |
| F470B | 23165433 | FUSE HOLDER, 5.2 SOC |
| ⚠ F801 | 23144720 | FUSE, CARTRIDGE 5.2X20, 250V 5.0A |
| F801A | 23165433 | FUSE HOLDER, 5.2 SOC |
| F801B | 23165433 | FUSE HOLDER, 5.2 SOC |
| ⚠ F802 | 23144508 | FUSE, CARTRIDGE 5.2X20, 250V 4.0A |
| F802A | 23165433 | FUSE HOLDER, 5.2 SOC |
| F802B | 23165433 | FUSE HOLDER, 5.2 SOC |
| ⚠ F803 | 23144647 | FUSE, CARTRIDGE 5X20 250V 1.0A |
| F803A | 23165433 | FUSE HOLDER, 5.2 SOC |
| F803B | 23165433 | FUSE HOLDER, 5.2 SOC |
| G301 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| G380 | 24946226 | CARBON CONPOSITI0N, 1/2W 22M OHM K |
| G400 | 24946561 | CARBON COMPOSITION, 1/2W 560 OHM K |
| G403 | 24946223 | CARBON COMPOSITION GF 1/2W 22K K |
| G404 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| G410 | 23316731 | DIODE, ZENER, MTZJ18B |
| G416 | 24382820 | OXIDE METAL FILM, 1W 82 OHM J |
| G499 | 24503361 | PLASTIC FILM CQ921 M 100V 1200PF J |
| G812 | 23103894 | FERRITE BEAD CORE, TEM2011AW |
| G891 | 23248297 | COIL, CHOKE, TLN3481GH |
| GJ38 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJ39 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJ110 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJ440 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJA01 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJA03 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJA05 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJA07 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJA09 | 24000445 | CHIP JUMPER, 1608TYPE |
| GJA11 | 24000824 | CHIP JUMPER, 2125TYPE |
| GR90 | 24011474 | CHIP, METAL FILM, 1/20W 470K OHM J |
| GR102 | 24000445 | CHIP JUMPER, 1608TYPE |
| GR103 | 24000445 | CHIP JUMPER, 1608TYPE |
| GR611 | 24000445 | CHIP JUMPER, 1608TYPE |
| GR650 | 24000445 | CHIP JUMPER, 1608TYPE |
| GR652 | 24000445 | CHIP JUMPER, 1608TYPE |
| GR800 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRS01 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRS02 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRS06 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRV01 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRV02 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRV04 | 24000445 | CHIP JUMPER, 1608TYPE |
| GRZ01 | 24000445 | CHIP JUMPER, 1608TYPE |
| HY01A | 23502328 | PHONO PLUG CABLE 2C-2V |
| J299A | 23960136 | ADHESIVE, SILICONE, TSE3843-W |
| J698A | 23960136 | ADHESIVE, SILICONE, TSE3843-W |
| J699A | 23960136 | ADHESIVE, SILICONE, TSE3843-W |
| J699B | 23960136 | ADHESIVE, SILICONE, TSE3843-W |
| ⚠ M461A | 23192952 | ANODE CAP ASSY, TCC5600DD |
| ⚠ M461B | 23509161 | CABLE ASSY, CABLE FOCUS CABLE FOCUS |

| Location No. | Parts No. | Description |
|---|---|---|
| M461C | 23505090 | CABLE, FOCUS |
| M461D | 23504719 | CABLE, SCREEN |
| N403 | 23960136 | ADHESIVE, SILICONE, TSE3843-W |
| N724 | 23965900 | TAPE,GLASS-CLOTH,W/ADHESIVEW=18T=0.18 |
| N728 | 23960101 | SILICONE RUBBER, TSE-382 RTV |
| P018A | 23368577 | CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4 |
| P018B | 23368577 | CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4 |
| P602 | 23368578 | CONNECTOR, PLUG 4P, 2.5MM G JST-EH, B4B-EH-F1-TV4 |
| P603 | 23368577 | CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4 |
| P661 | 23365444 | EARPHONE JACK, D3.5 HOSIDEN |
| P701A | 23368578 | CONNECTOR, PLUG 4P, 2.5MM G JST-EH, B4B-EH-F1-TV4 |
| P701B | 23368578 | CONNECTOR, PLUG 4P, 2.5MM G JST-EH, B4B-EH-F1-TV4 |
| P703A | 23368577 | CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4 |
| P703B | 23368577 | CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4 |
| P800 | 23368013 | CONNECTOR, PLUG, 2P 11.88MM W VT-JST |
| ⚠ P801 | 23372168 | POWER CORD, UK-HK VO 6A F13A |
| P902A | 23367068 | CONNECTOR, PLUG 8P, 2.5MM G JST-EH B8B-EH-F1-TV4 |
| P902B | 23367068 | CONNECTOR, PLUG 8P, 2.5MM G JST-EH B8B-EH-F1-TV4 |
| P903A | 23367069 | CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A |
| P903B | 23367069 | CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A |
| P910 | 23164725 | CONNECTOR, PLUG 2P |
| PA02 | 23368580 | CONNECTOR, PLUG 6P, 2.5MM G JST-EH B6B-EH-F1-TV4 |
| PB01A | 23902063 | CONNECTOR, SOCKET B-B 6P 2.5MM JST |
| PB01B | 23368005 | CONNECTOR, PLUG, B-B |
| PB14 | 23368579 | CONNECTOR, PLUG 5P, 2.5MM G JST-EH, B5B-EH-F1-TV4 |
| PJ901 | 23368577 | CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4 |
| PV01 | 23023092 | JACK, PIN 1S6P SMK LAP5120-0204F |
| PV02 | 23023096 | JACK, PIN 10P SMK LAP5120-0401FC |
| PV05 | 23023265 | JACK, PIN 5P SMK, JACK 5P |
| Q801B | 72471082 | SCREW,3X10MM |
| SA01 | 23145430 | SWITCH, PUSH, SKHHLMA010 |
| SA02 | 23145430 | SWITCH, PUSH, SKHHLMA010 |
| SA03 | 23145430 | SWITCH, PUSH, SKHHLMA010 |
| SA04 | 23145430 | SWITCH, PUSH, SKHHLMA010 |
| SA05 | 23145430 | SWITCH, PUSH, SKHHLMA010 |
| SA06 | 23145430 | SWITCH, PUSH, SKHHLMA010 |
| ⚠ SR81 | 23146574 | RELAY, DLS5D1-O(M) 0.15W |
| SR82 | 23146564 | RELAY, DC12V, TV5, DG-3 |
| ⚠ SR83 | 23146571 | RELAY,DG12D2-0(M),DAIGAE,23146570OMR |
| ⚠ V901A | 23903145 | SOCKET,CRT,WFOCUSISD35SEINCHANGISD-35S-E |
| V901B | 23102456 | FUKA MAGNET, CHEVRON TAKECHI MAG4006 |
| V901D | 23528016 | RUBBER,WEDGE,MEDIUMW10H15L50,TRWMED01T |
| V901M | 23102534 | COIL, CMG32.5VM5T3PLEAD MAG-1127 |
| W661 | 23351121 | SPEAKER, SPK1385, 80X120 8-OHM 10W |
| W662 | 23351121 | SPEAKER, SPK1385, 80X120 8-OHM 10W |
| W663 | 23351194 | SPEAKER, SPK1392BO |
| X4100 | 23153742 | CRYSTAL |
| X4402 | 23153721 | CERAMIC RESONATOR, 503KHZ |
| X500 | 23153585 | CRYSTALRESONATOR,AT51-CD214.31818MHZTAPE |
| X5501 | 23153584 | CRYSTALRESONATOR,AT51-CD242.000MHZTAPE |
| XA01 | 23153597 | CRYSTALRESONATOR,6.000MHZEXS00A-01343 |
| XY001 | 23153584 | CRYSTALRESONATOR,AT51-CD242.000MHZTAPE |
| XZ01 | 23153598 | CRYSTALRESONATOR,20.000MHZEXS00A-01342 |
| Z301 | 23110854 | FOCUS BLOCK, TPA6033CH |
| Z401 | 23140203 | SPARKGAP,2.0-3.0KVC-010,AG20PC152F-L3N |
| Z889 | 23144715 | FUSE, AXIAL 125V 5.0A |
| Z890 | 23144715 | FUSE, AXIAL 125V 5.0A |
| Z891 | 23144715 | FUSE, AXIAL 125V 5.0A |
| ZA01 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA02 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA03 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA04 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA05 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA06 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA07 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA08 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA09 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA10 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA11 | 24019509 | NETWORK SMD 1/32W P-8 33 J |

| Location No. | Parts No. | Description |
|---|---|---|
| ZA12 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA13 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA14 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA15 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| ZA16 | 24019509 | NETWORK SMD 1/32W P-8 33 J |
| **PC BOARD ASSEMBLIES** | | |
| ✻ U901A | 23762685 | PW UNIT CRT-D 34JH9UH, PD1882D1 |
| ✻ U901B | 23762686 | PW UNIT POW-2 34JH9UH, PD1882D2 |
| ✻ U902 | 23762689 | PW UNIT H-SIGNAL 34JH9UH, PD1842D |
| ✻ U903 | 23762687 | PW UNIT AV-TERMINAL 34JH9UH, PD1846J |
| ✻ U904 | 23762688 | PW UNIT POW/DEF 34JH9UH, PD1883D |
| ✻ U905A | 23762500 | PW UNIT CONTROL 34JH9UC, PD1884A1 |
| ✻ U905B | 23762501 | PW UNIT LED/RMT 34JH9UC, PD1884A2 |
| **PICTURE TUBE** | | |
| ⚠ V901 | 23324142 | PICTURETUBE,SAM34AFRACZEROA80QEA891X(0) |
| **TUNER** | | |
| H001 | 23321415 | TUNER, ASIA HYPER FS DEV, TEDE9-710A |
| H002 | 23148046 | IF MODULE, ASIA WOW MSP3410G MVCS52 |
| HY01 | 23321498 | TUNER, TIF ASIA IIC PH 5V ENG39A06GF |
| **ACCESSORIES** | | |
| A701A | 23067865 | CARTON, TOP CASE 34JH9UH |
| A701B | 23067044 | CARTON BOX, BOTTOM |
| A702A | 23946561 | PACKING, TOP PACKING |
| A702B | 23946562 | PACKING, BOTTOM PACKING |
| A703 | 23531095 | PACKING, HOGO SHEET |
| A704 | 23945070 | POLY COVER, 34G6UXC |
| A705 | 23531053 | PACKING, SHEET |
| K902 | 23306557 | REMOCON HAND UNIT IR, CTV CT-90213 |
| Y101 | 23566439 | OWNERS MANUAL, E/CT CTV O/M 34JH9UH |
| **CABINET PARTS** | | |
| A201 | 23533038 | COVER, FRONT COVER 34JH9UH |
| A205 | 23802275 | BOX, SPEAKER RIGHT, 25ZS5 |
| A208 | 23802203 | BOX, SPEAKER LEFT, 25ZS5 |
| ⚠ A401 | 23530551 | BACK COVER |
| A430 | 23470079 | WOOFER BOX |
| A431 | 23470080 | WOOFER BOX, L |
| A904 | 23538478 | MARK, TOSHIBA MARK W=56 |
| A905 | 23445871 | BUTTON, BUTTON POWER |
| A906 | 23929741 | PIECE, HOLDER BUTTON |
| A909 | 23436799 | HANDLE |
| A910 | 23428224 | DOOR, DOOR PROPER |
| A912 | 23451976 | PUSH CATCH, CLICK |

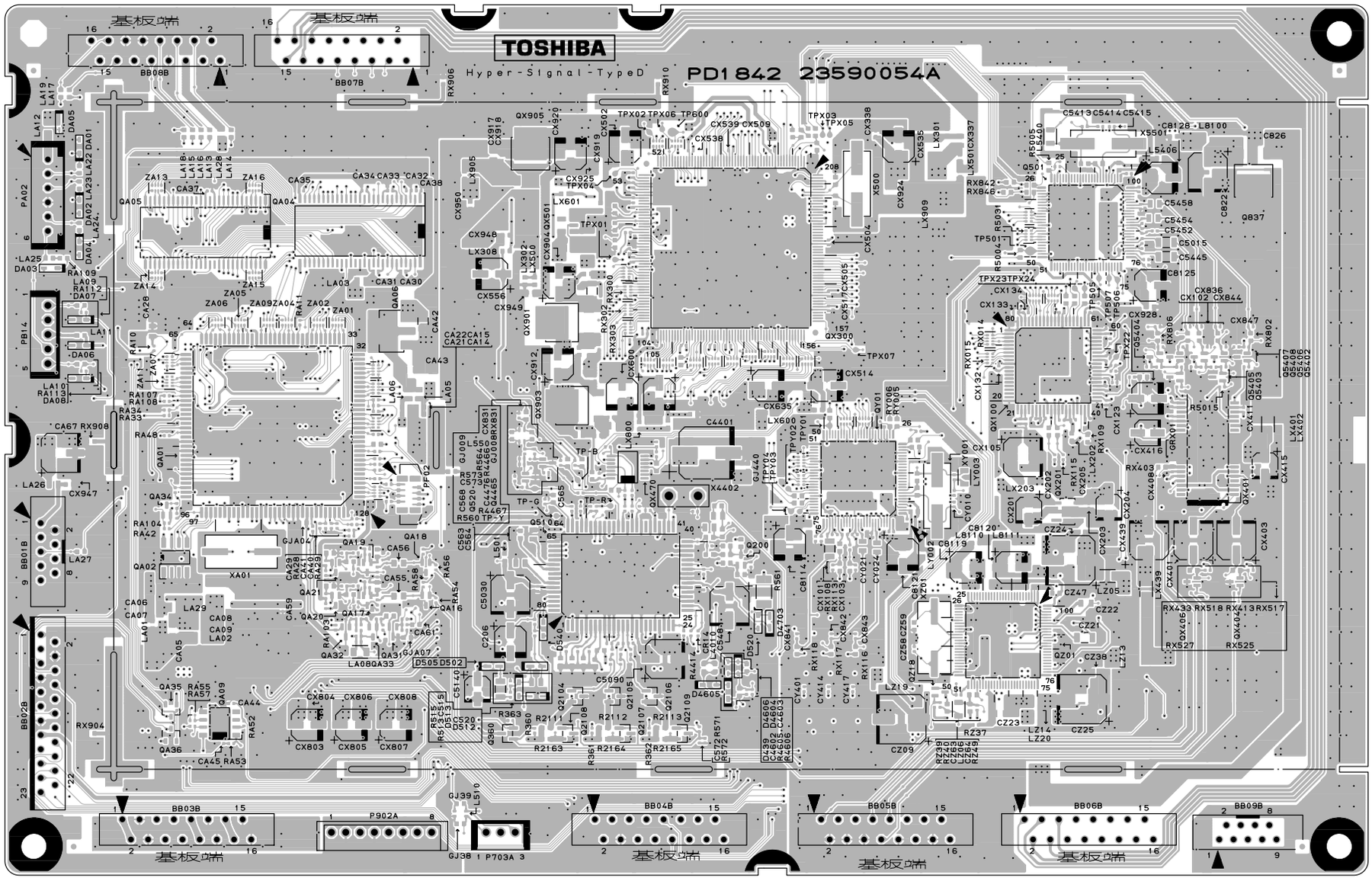
# H-SIGNAL BOARD PD1842D (U902)

**BOTTOM (FOIL) SIDE**



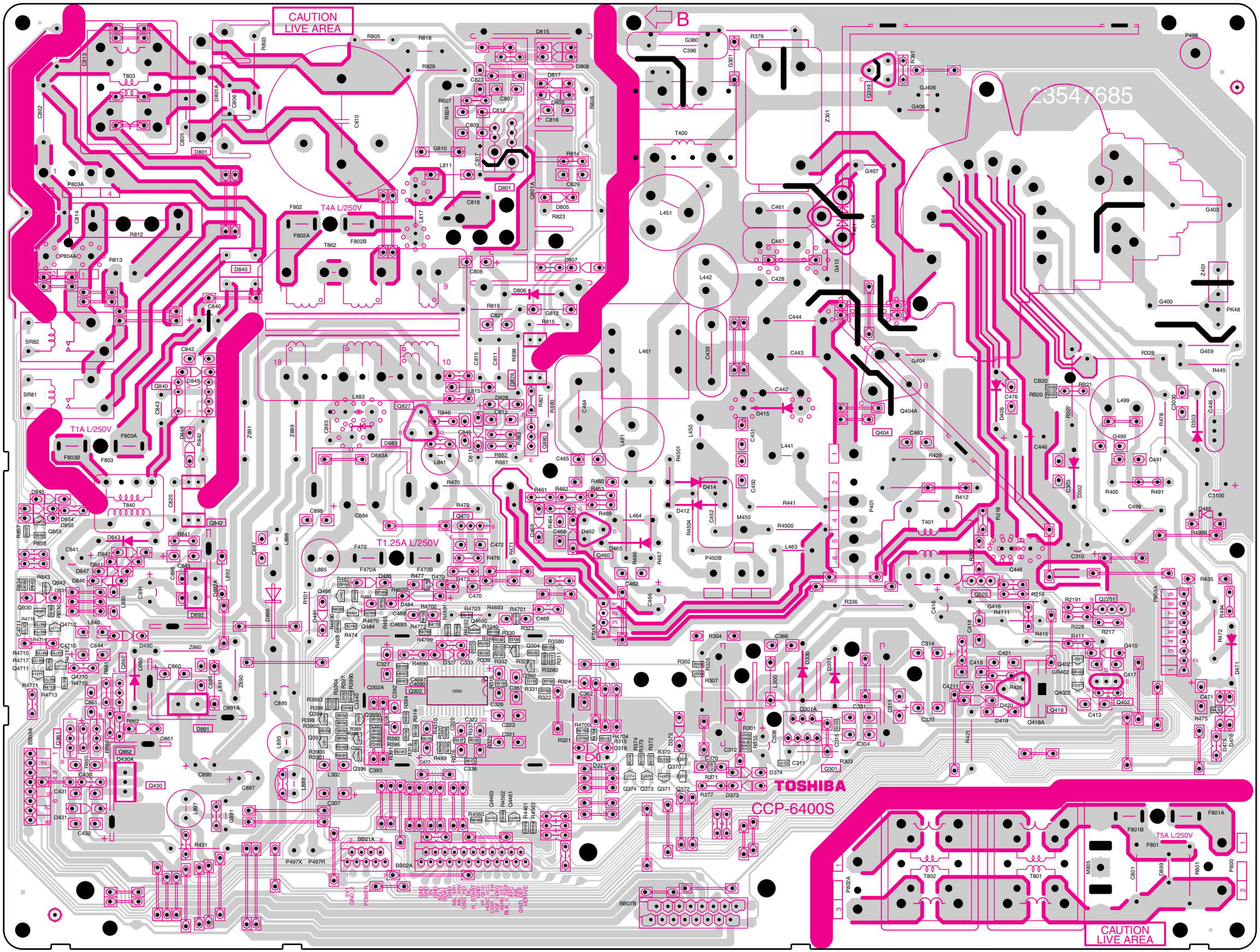
# H-SIGNAL BOARD PD1842D (U902)

**TOP (COMPONENT) SIDE**



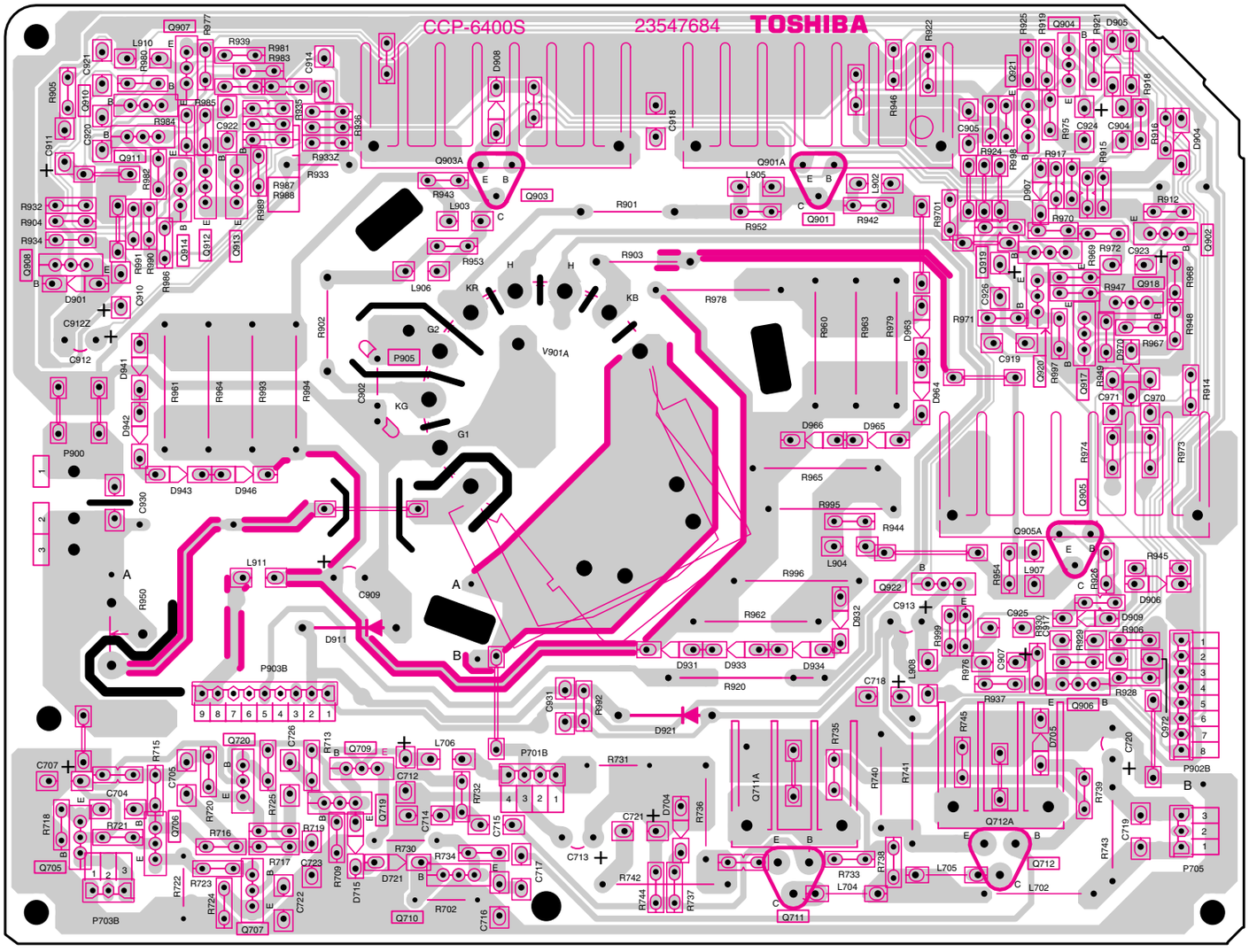
# POW/DEF BOARD PD1883D (U904)

## BOTTOM (FOIL) SIDE



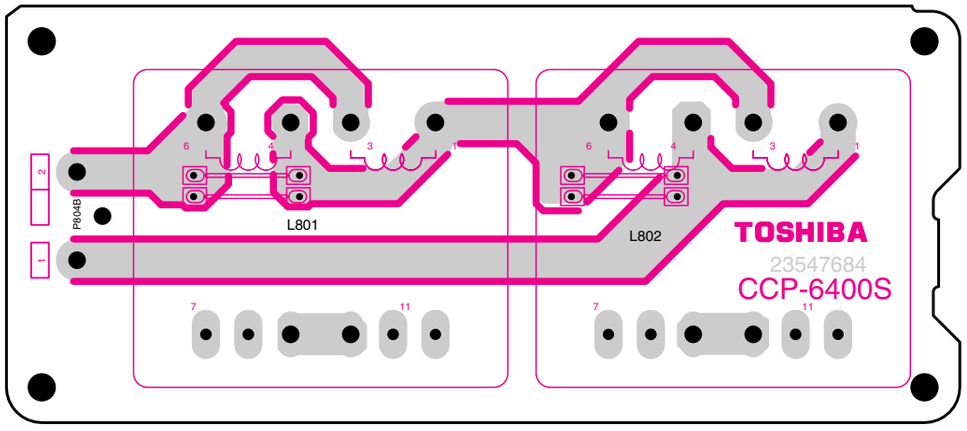
# CRT-D BOARD PD1882D1 (U901A)

**BOTTOM (FOIL) SIDE**



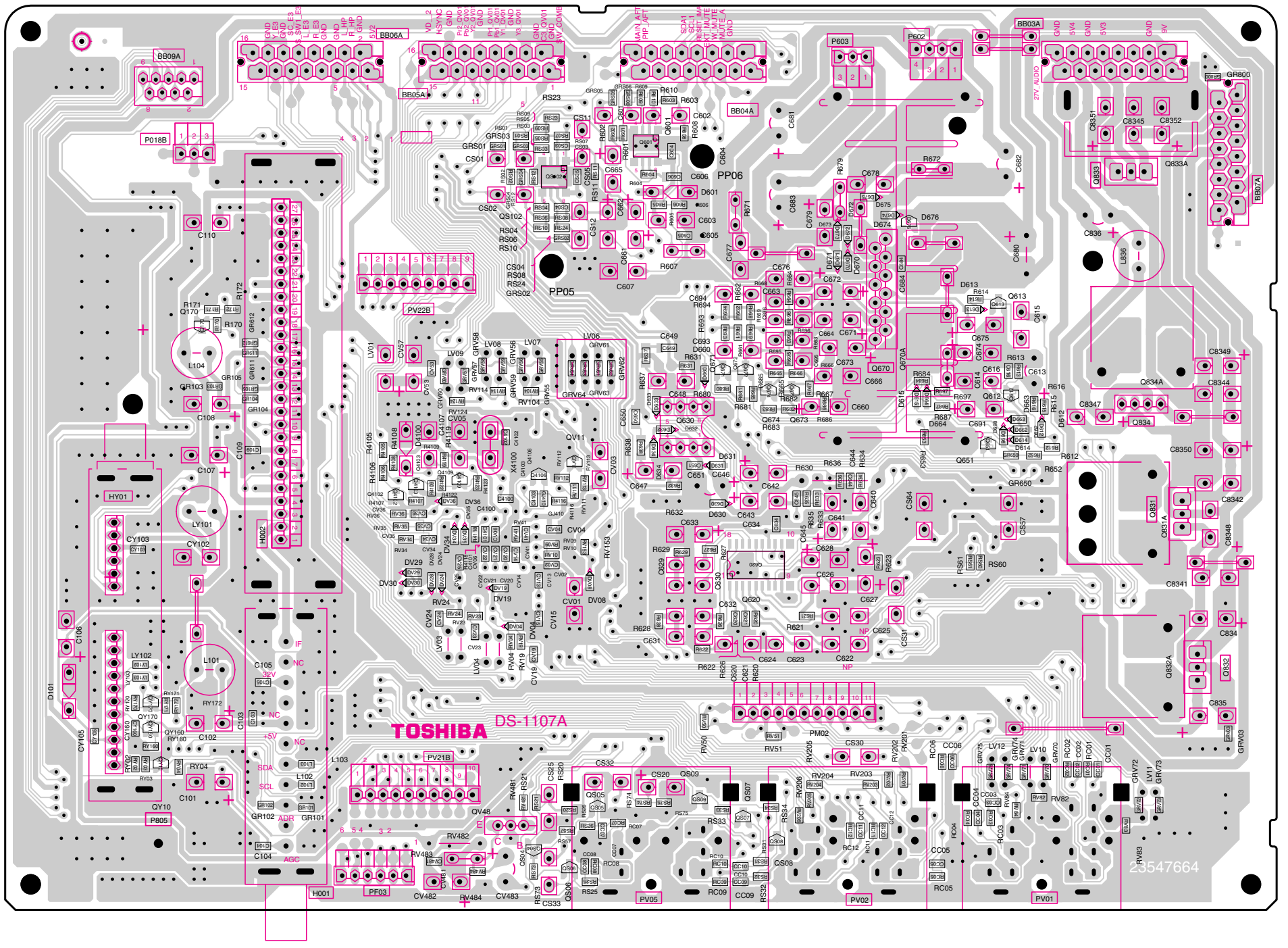

# POW-2 BOARD PD1882D2 (U901B)

**BOTTOM (FOIL) SIDE**



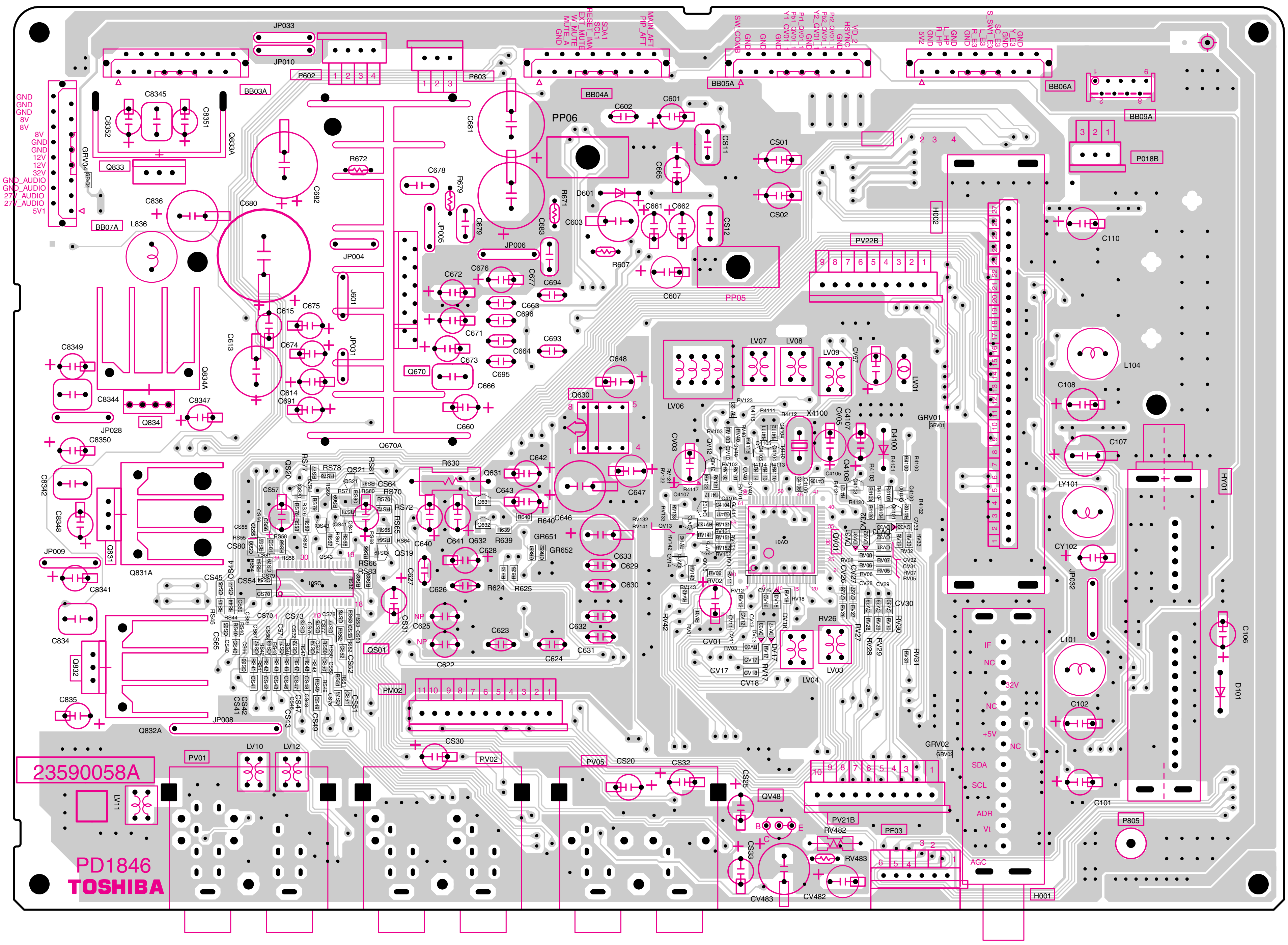
# AV-TERMINAL BOARD PD1846J (U903)

## BOTTOM (FOIL) SIDE



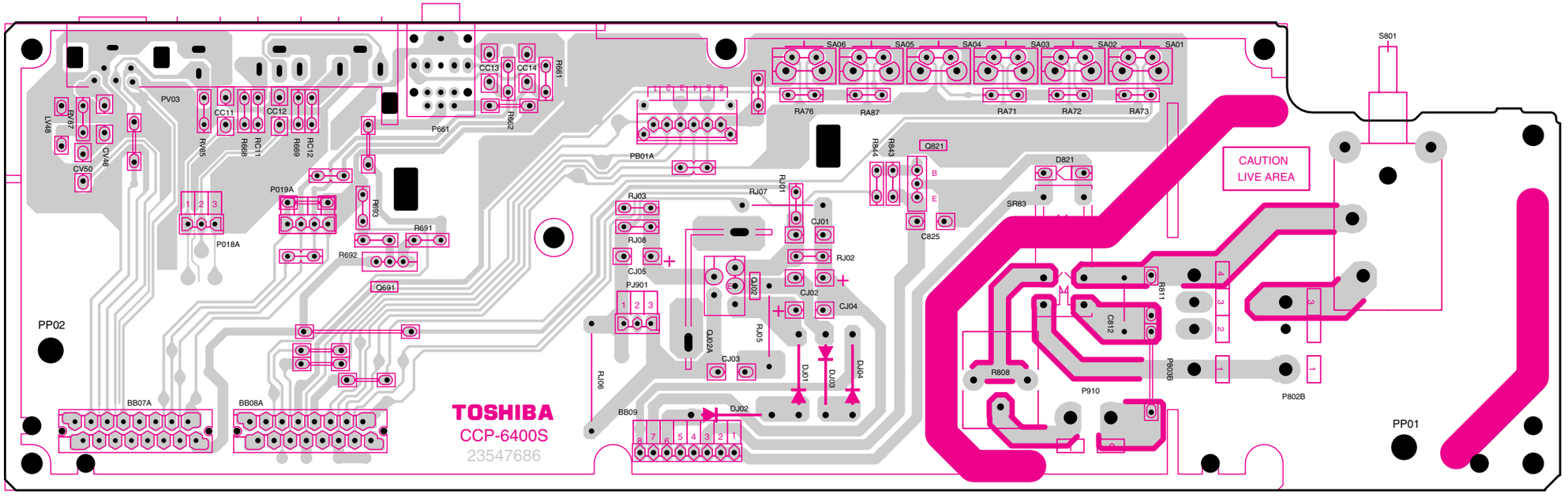
# AV-TERMINAL BOARD PD1846J (U903)

## TOP (COMPONENT) SIDE



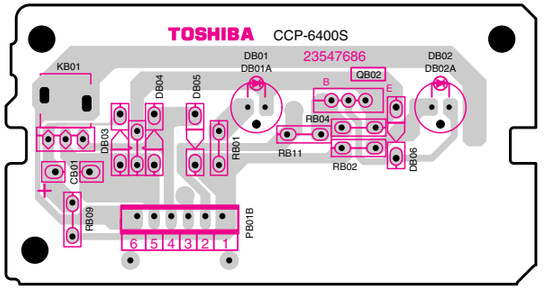
# CONTROL BOARD PD1884A1 (U905A)

**BOTTOM (FOIL) SIDE**



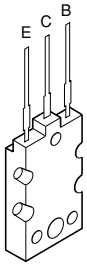

# LED/RMT BOARD PD1884A2 (U905B)

**BOTTOM (FOIL) SIDE**

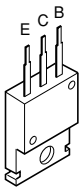


# TERMINAL VIEW OF TRANSISTORS

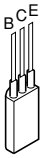
① 2SD2253
(old)
2SC5243
2SC5570



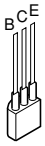

② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



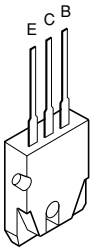

③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



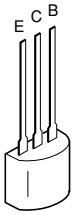

④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



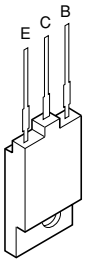

⑤ 2SA1788



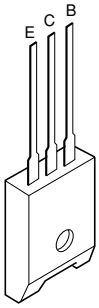

⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201




⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553




⑧ ON4409



# SCHEMATIC DIAGRAM

## MODEL : 34JH9UH

**WARNING**: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

**CAUTION**: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.



**NOTE:**

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt  1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt  10W = Cement of 10 watt
   K = ±10%  G = ±2%  F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in $\mu$F, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —|(+)|— Electolytic capacitor  —|(M)|— Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

## ■ SCHEMATIC DIAGRAM STRUCTURE:


CONNECTION ..... 1/54
HYPER SIGNAL
- BEP
  - (1/3) [SHEET-1/3] ..... 2/54
  - (2/3) [SHEET-2/3] ..... 3/54
  - (3/3) [SHEET-3/3] ..... 4/54
- REGULATOR ..... 5/54
- I/F
  - (1/2) [SHEET-1/2] ..... 6/54
  - (2/2) [SHEET-2/2] ..... 7/54
- ACTIVE-FILTER ..... 8/54
- AD-CONVERTER
  - (A) [SHEET-1/2] ..... 9/54
  - (B) [SHEET-2/2] ..... 10/54
- TC90101
  - (1/2) [SHEET-1/2] ..... 11/54
  - (2/2) [SHEET-2/2] ..... 12/54
- TC90101-REG ..... 13/54
- GENESIS
  - (1/3) [SHEET-1/3] ..... 14/54
  - (2/3) [SHEET-2/3] ..... 15/54
  - (3/3) [SHEET-3/3] ..... 16/54
- SDRAM ..... 17/54
- GENESIS-OUT ..... 18/54
- GENESIS REG ..... 19/54
- RESET ..... 20/54
- SUB FILTER
  - (1/2) [SHEET-1/2] ..... 21/54
  - (2/2) [SHEET-2/2] ..... 22/54
- 3DYCS-REG ..... 23/54
- 3DYCS
  - (1/2) [SHEET-1/2] ..... 24/54
  - (2/2) [SHEET-2/2] ..... 25/54
- M2 Micro
  - (1/11) [SHEET-1/11] ..... 26/54
  - (2/11) [SHEET-2/11] ..... 27/54
  - (3/11) [SHEET-3/11] ..... 28/54
  - (4/11) [SHEET-4/11] ..... 29/54
  - (5/11) [SHEET-5/11] ..... 30/54
  - (6/11) [SHEET-6/11] ..... 31/54
  - (7/11) [SHEET-7/11] ..... 32/54
  - (8/11) [SHEET-8/11] ..... 33/54
  - (9/11) [SHEET-9/11] ..... 34/54
  - (10/11) [SHEET-10/11] ..... 35/54
  - (11/11) [SHEET-11/11] ..... 36/54
- Connector
  - (1/2) [SHEET-1/2] ..... 37/54
  - (2/2) [SHEET-2/2] ..... 38/54

POWER DEF
- (1/5) [SHEET-1/5] ..... 39/54
- (EW VERT) [SHEET-2/5] ..... 40/54
- (HORIZONTAL) [SHEET-3/5] ..... 41/54
- (PROTECT) [SHEET-4/5] ..... 42/54
- (POWER) [SHEET-5/5] ..... 43/54

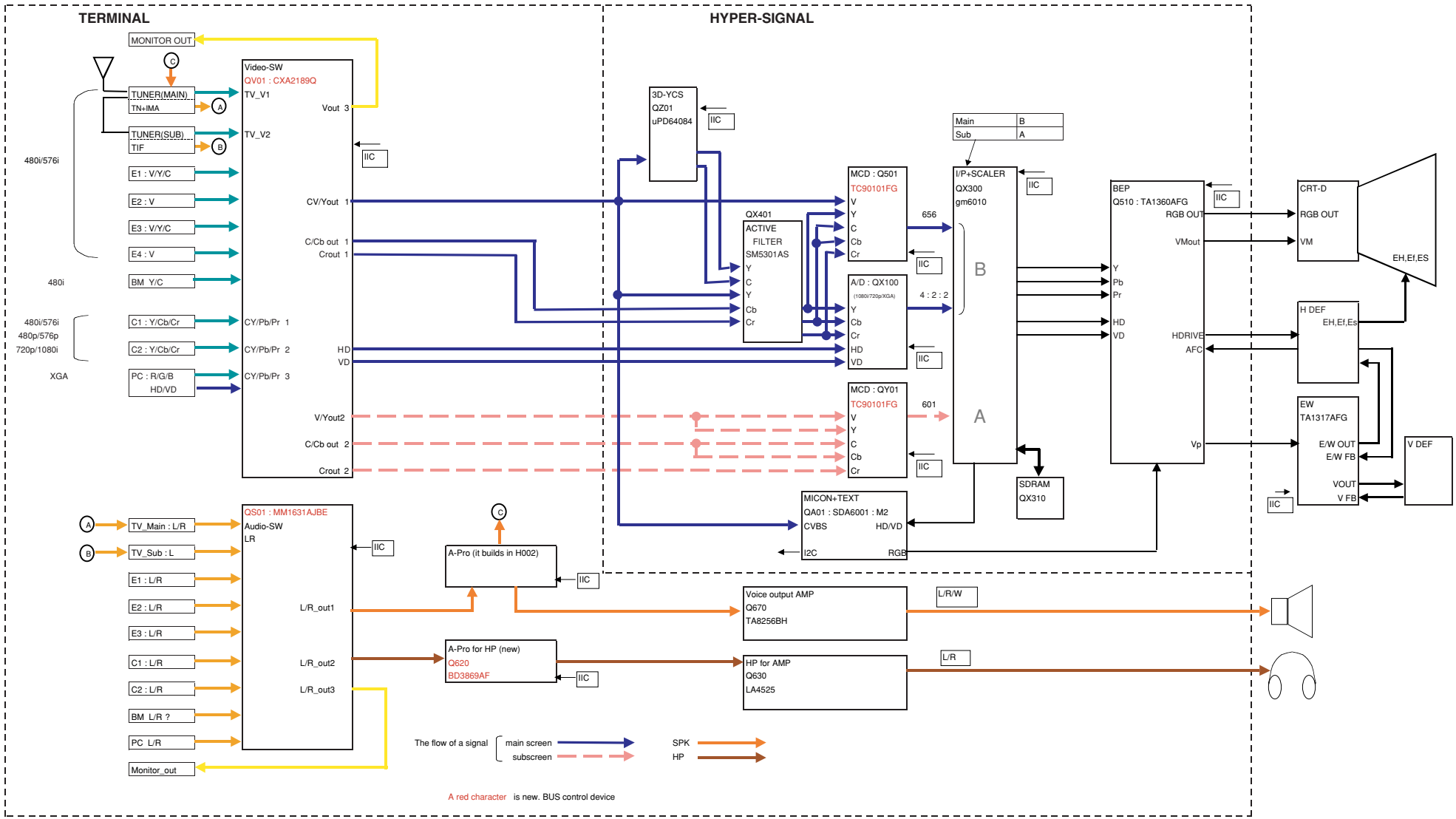
CRT-D/SVM
- (1/2) [SHEET-1/2] ..... 44/54
- (2/2) [SHEET-2/2] ..... 45/54

CRT-D/SVM CHOKE COIL ..... 46/54

AV TERMINAL
- (1/7) [SHEET-1/7] ..... 47/54
- (V SW) [SHEET-2/7] ..... 48/54
- (A SW) [SHEET-3/7] ..... 49/54
- (JACK) [SHEET-4/7] ..... 50/54
- (TUNER IF TIF) [SHEET-5/7] ..... 51/54
- (AUDIO OUT) [SHEET-6/7] ..... 52/54
- (REGURATOR) [SHEET-7/7] ..... 53/54

CONTROL LED ..... 54/54

# CIRCUIT BLOCK DIAGRAM



CONTROL

LED

KOUCHOHA KOIRU

POWER/DEF

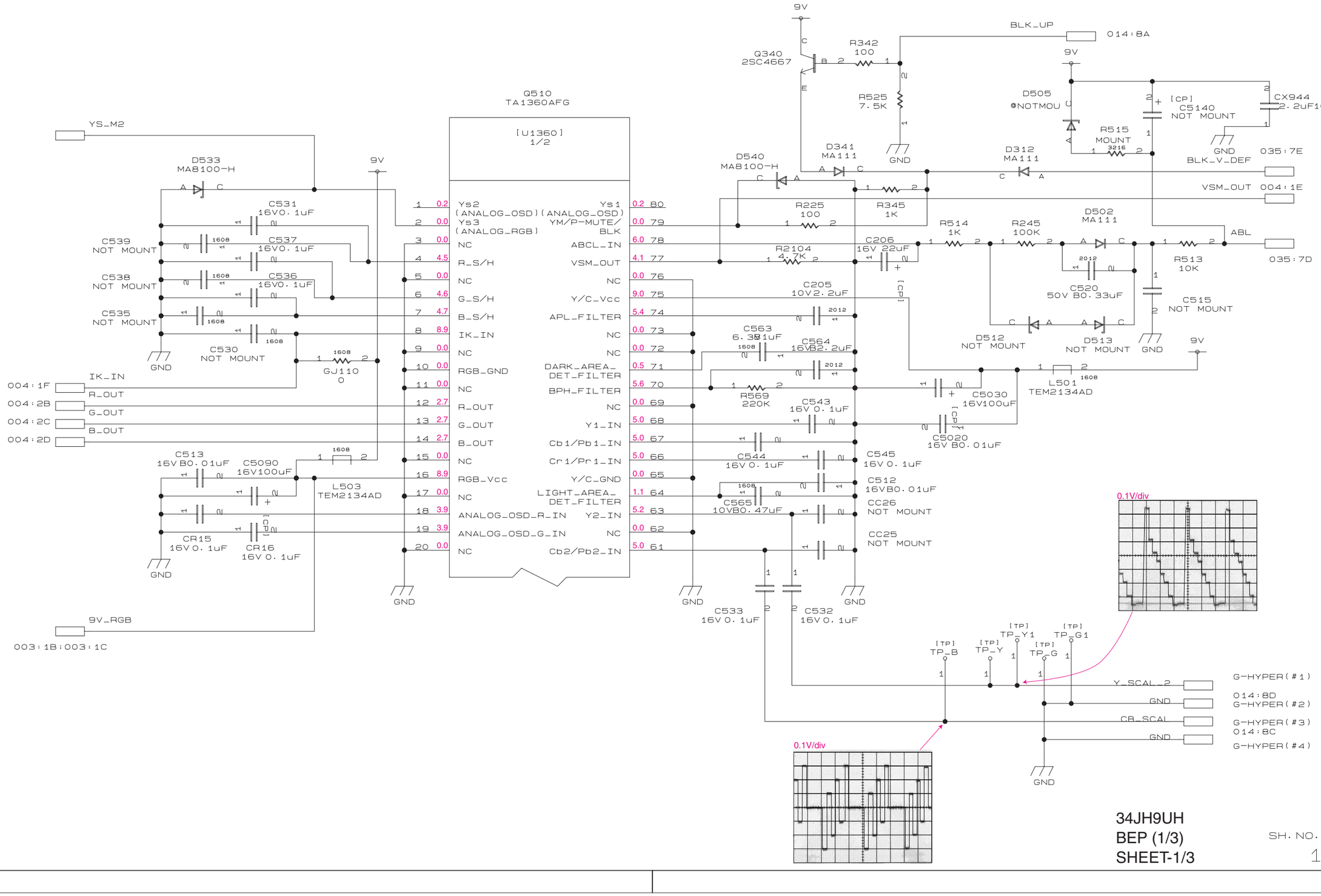
HYPER SIGNAL

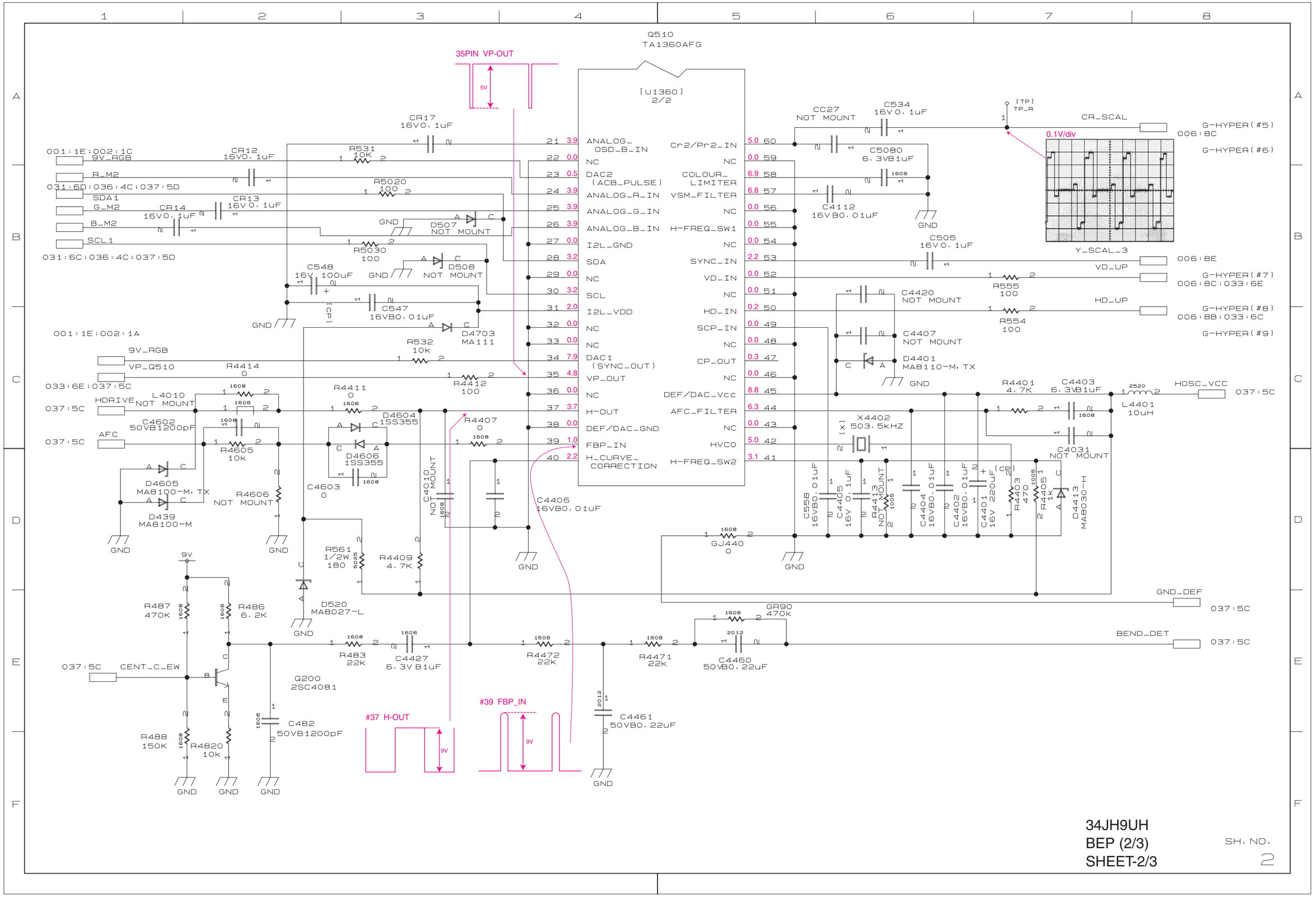
(B/BorCONECT)

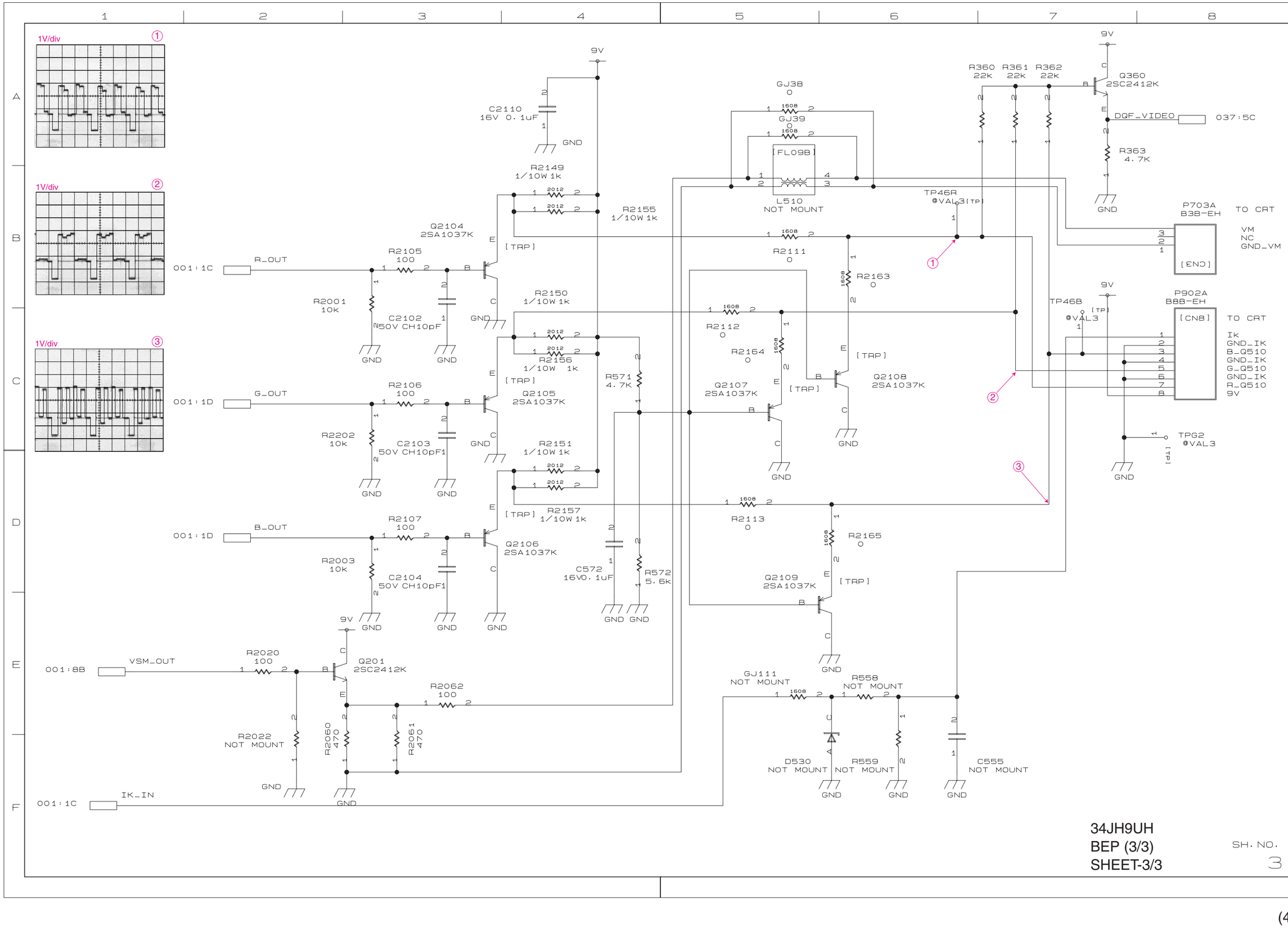
AV_TERMINAL

PC/D TERMINAL

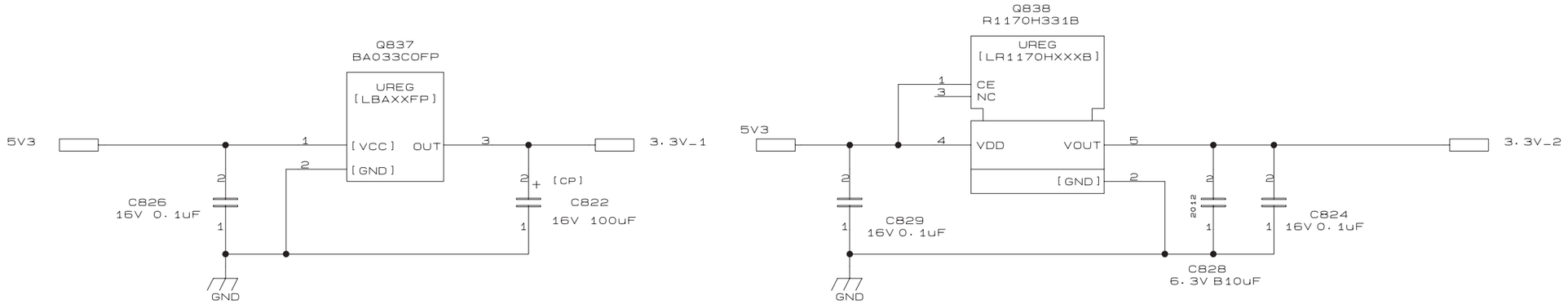
34JH9UH
CONNECTION


Q510
TA1360AFG
[U1360]
1/2
YS_M2
D533
MA8100-H
9V
C531
16V0.1uF
C539
NOT MOUNT
C537
16V0.1uF
C538
NOT MOUNT
C536
16V0.1uF
C535
NOT MOUNT
C530
NOT MOUNT
GND
GJ110
0
IK_IN
004:1F
R_OUT
004:2B
G_OUT
004:2C
B_OUT
004:2D
C513
16VB0.01uF
C5090
16V100uF
L503
TEM2134AD
CR15
16V0.1uF
CR16
16V0.1uF
9V_RGB
003:1B:003:1C
Ys2 (ANALOG_OSD) Ys3 (ANALOG_RGB)
NC
R_S/H
NC
G_S/H
B_S/H
IK_IN
NC
RGB_GND
NC
R_OUT
G_OUT
B_OUT
NC
RGB_Vcc
NC
ANALOG_OSD_R_IN
ANALOG_OSD_G_IN
NC
Ys1 (ANALOG_OSD) YM/P-MUTE/BLK
ABCL_IN
VSM_OUT
NC
Y/C_Vcc
APL_FILTER
NC
NC
DARK_AREA_DET_FILTER
BPH_FILTER
NC
Y1_IN
Cb1/Pb1_IN
Cr1/Pr1_IN
Y/C_GND
LIGHT_AREA_DET_FILTER
Y2_IN
NC
Cb2/Pb2_IN
Q340
2SC4667
R342
100
R525
7.5K
BLK_UP
014:8A
D505
@NOTMOU
[CP]
C5140
NOT MOUNT
CX944
2.2uF10V
R515
MOUNT
GND
BLK_V_DEF
035:7E
D341
MA111
D312
MA111
D540
MA8100-H
VSM_OUT
004:1E
R225
100
R345
1K
R514
1K
R245
100K
D502
MA111
ABL
035:7D
C206
16V 22uF
R2104
4.7K
R513
10K
C520
50V B0.33uF
C515
NOT MOUNT
D512
NOT MOUNT
D513
NOT MOUNT
C205
10V2.2uF
C563
6.3V1uF
C564
16VB2.2uF
R569
220K
C543
16V 0.1uF
C544
16V 0.1uF
C565
10VB0.47uF
C5030
16V100uF
C5020
16V B0.01uF
L501
TEM2134AD
C545
16V 0.1uF
C512
16VB0.01uF
CC26
NOT MOUNT
CC25
NOT MOUNT
C533
16V 0.1uF
C532
16V 0.1uF
0.1V/div
[TP]
TP_B
TP_Y
TP_Y1
TP_G
TP_G1
Y_SCAL_2
GND
CB_SCAL
GND
G-HYPER(#1)
014:8D
G-HYPER(#2)
G-HYPER(#3)
014:8C
G-HYPER(#4)
34JH9UH
BEP (1/3)
SHEET-1/3
SH. NO.
1


Q510
TA1360AFG
[U1360]
2/2
35PIN VP-OUT
5V
ANALOG_OSD_B_IN
NC
DAC2 (ACB_PULSE)
ANALOG_R_IN
ANALOG_G_IN
ANALOG_B_IN
I2L_GND
SDA
NC
SCL
I2L_VDD
NC
NC
DAC1 (SYNC_OUT)
VP_OUT
NC
H-OUT
DEF/DAC_GND
FBP_IN
H_CURVE_CORRECTION
Cr2/Pr2_IN
NC
COLOUR_LIMITER
VSM_FILTER
NC
H-FREQ_SW1
NC
SYNC_IN
VD_IN
NC
HD_IN
SCP_IN
NC
CP_OUT
NC
DEF/DAC_Vcc
AFC_FILTER
NC
HVCO
H-FREQ_SW2
001:1E:002:1C
9V_RGB
R_M2
031:6D:036:4C:037:5D
SDA1
G_M2
B_M2
SCL1
031:6C:036:4C:037:5D
CR17 16V0.1uF
CR12 16V0.1uF
CR14 16V0.1uF
CR13 16V0.1uF
R531 10K
R5020 100
R5030 100
D507 NOT MOUNT
D508 NOT MOUNT
C548 16V 100uF
C547 16VB0.01uF
D4703 MA111
GND
001:1E:002:1A
9V_RGB
VP_Q510
033:6E:037:5C
R4414 0
R532 10K
R4412 100
HDRIVE
037:5C
L4010 NOT MOUNT
C4602 50VB1200pF
AFC
037:5C
R4605 10K
D4605 MA8100-M. TX
D439 MA8100-M
R4606 NOT MOUNT
R4411 0
D4604 1SS355
D4606 1SS355
C4603 0
C4010 NOT MOUNT
R4407 0
C4406 16VB0.01uF
R561 1/2W 180
R4409 4.7K
D520 MA8027-L
9V
R487 470K
R486 6.2K
037:5C
CENT_C_EW
Q200 2SC4081
R488 150K
R4820 10K
C482 50VB1200pF
R483 22K
C4427 6.3VB1uF
R4472 22K
R4471 22K
GR90 470K
C4460 50VB0.22uF
C4461 50VB0.22uF
#37 H-OUT
#39 FBP_IN
9V
CC27 NOT MOUNT
C534 16V0.1uF
C5080 6.3VB1uF
C4112 16VB0.01uF
C505 16V0.1uF
C4420 NOT MOUNT
C4407 NOT MOUNT
D4401 MA8110-M. TX
X4402 503.5kHZ
GJ440 0
[TP] TP_R
CR_SCAL
0.1V/div
Y_SCAL_3
VD_UP
HD_UP
R555 100
R554 100
006:8E
G-HYPER(#7)
006:8C:033:6E
G-HYPER(#8)
006:8B:033:6C
G-HYPER(#9)
G-HYPER(#5)
006:8C
G-HYPER(#6)
R4401 4.7K
C4403 6.3VB1uF
L4401 10uH
HOSC_VCC
037:5C
C4031 NOT MOUNT
C558 16VB0.01uF
C4405 16V 0.1uF
R4413 NOT MOUNT
C4404 16VB0.01uF
C4402 16VB0.01uF
C4401 16V 220uF
R4403 470
R4405 1K
D4413 MA8030-H
GND_DEF
037:5C
BEND_DET
037:5C
34JH9UH
BEP (2/3)
SHEET-2/3
SH. NO.
2

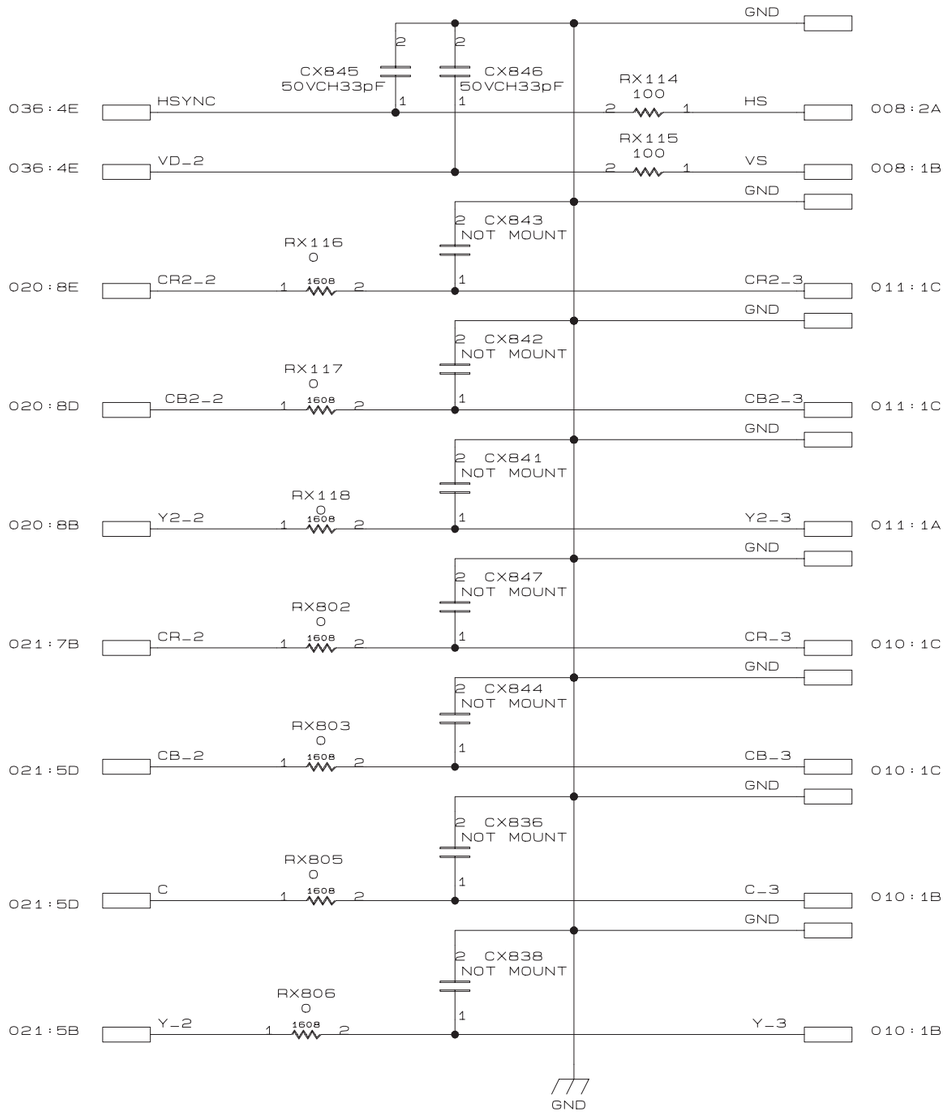

1V/div
1V/div
1V/div
001:1C
001:1D
001:1D
001:8B
001:1C
R_OUT
G_OUT
B_OUT
VSM_OUT
IK_IN
9V
GND
C2110 16V 0.1uF
R2149 1/10W 1k
R2155 1/10W 1k
Q2104 2SA1037K
R2105 100
R2001 10k
C2102 50V CH10pF
R2150 1/10W 1k
R2156 1/10W 1k
R2106 100
R2202 10k
C2103 50V CH10pF
R2151 1/10W 1k
R2157 1/10W 1k
R2107 100
R2003 10k
C2104 50V CH10pF
Q2105 2SA1037K
Q2106 2SA1037K
R571 4.7K
C572 16V0.1uF
R572 5.6K
R2020 100
Q201 2SC2412K
R2062 100
R2022 NOT MOUNT
R2060 470
R2061 470
[TRP]
GJ38 0
GJ39 0
[FL09B]
L510 NOT MOUNT
R2111 0
R2112 0
R2113 0
R2163 0
R2164 0
R2165 0
Q2107 2SA1037K
Q2108 2SA1037K
Q2109 2SA1037K
TP46R @VAL3
TP46B @VAL3
R360 22k
R361 22k
R362 22k
Q360 2SC2412K
DQF_VIDEO
037:5C
R363 4.7K
P703A B3B-EH
TO CRT
VM
NC
GND_VM
[END]
P902A B8B-EH
[CN8]
TO CRT
Ik
GND_IK
B_Q510
GND_IK
G_Q510
GND_IK
R_Q510
9V
TPG2 @VAL3
GJ111 NOT MOUNT
R558 NOT MOUNT
D530 NOT MOUNT
R559 NOT MOUNT
C555 NOT MOUNT
34JH9UH
BEP (3/3)
SHEET-3/3
SH. NO.
3

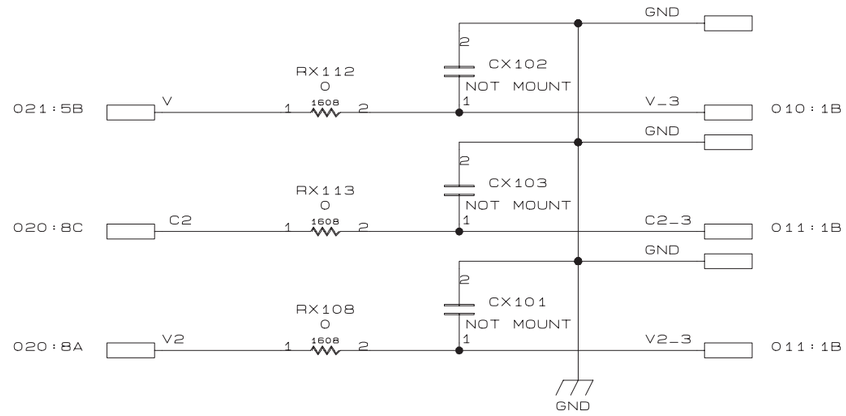
(4/54)

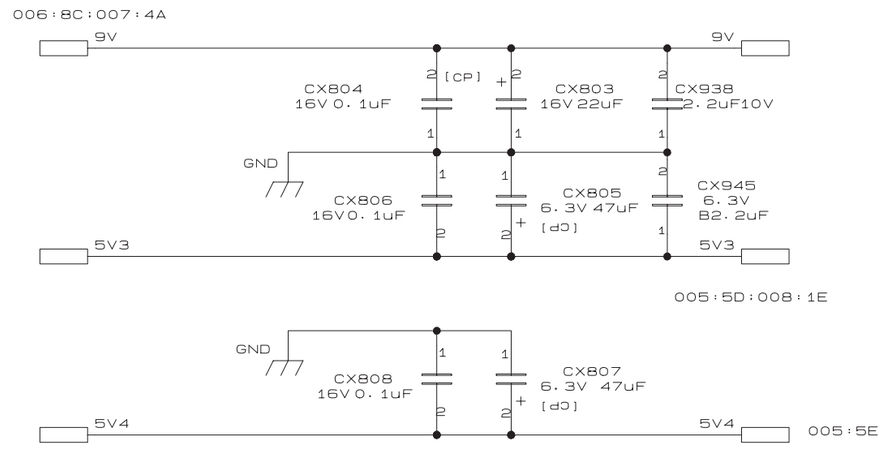



34JH9UH
REGULATOR

SH. NO.
4

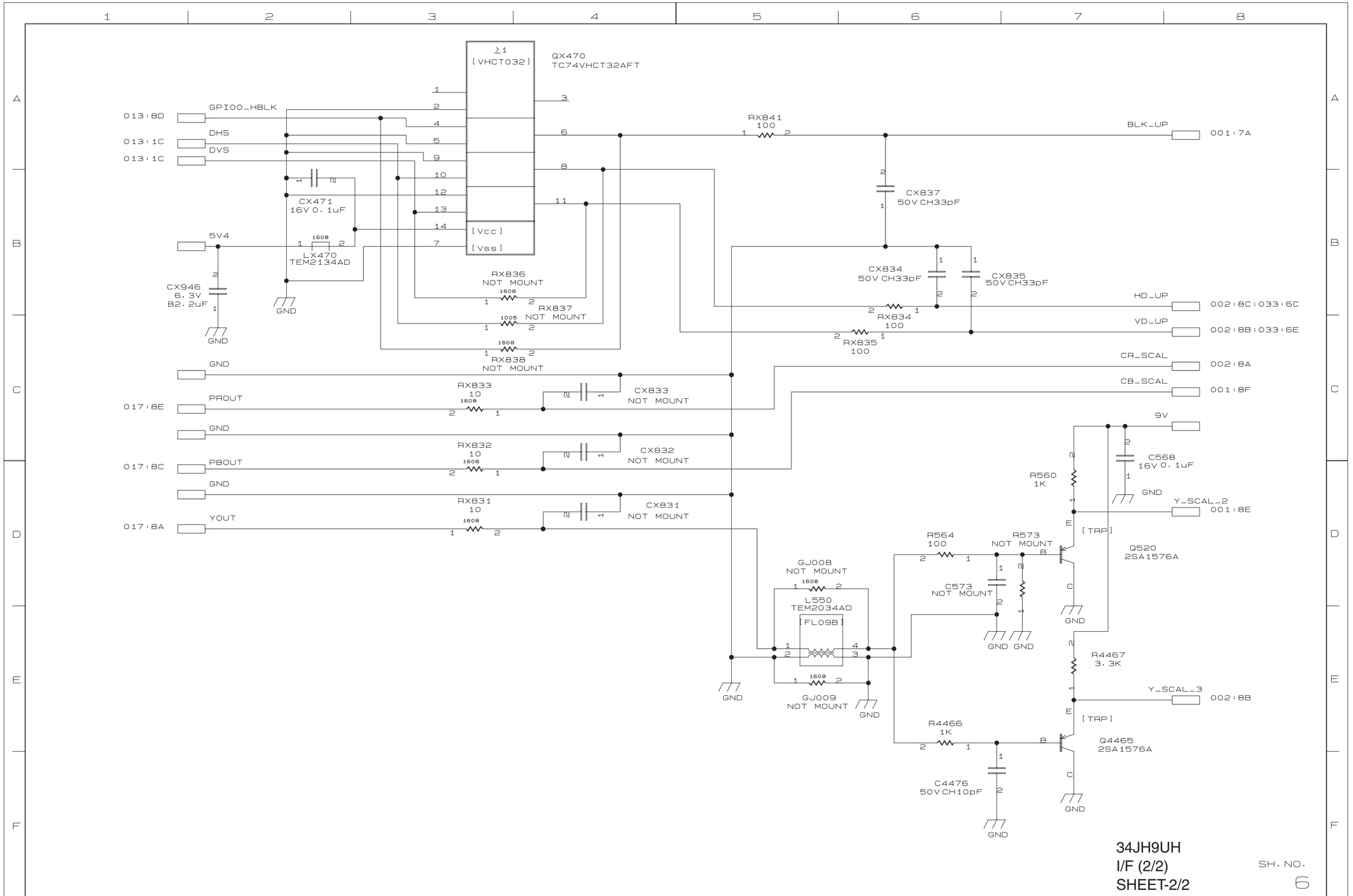


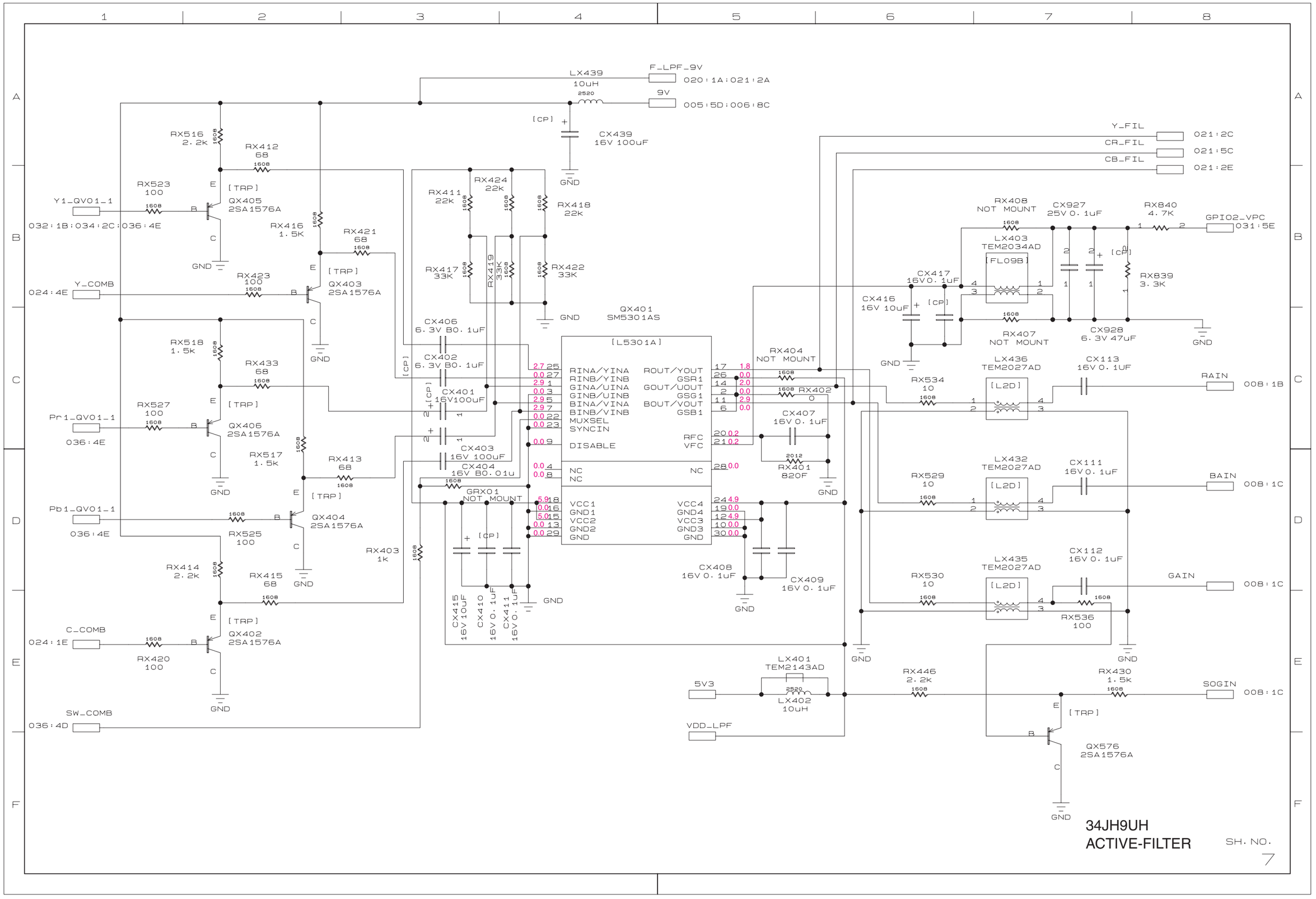



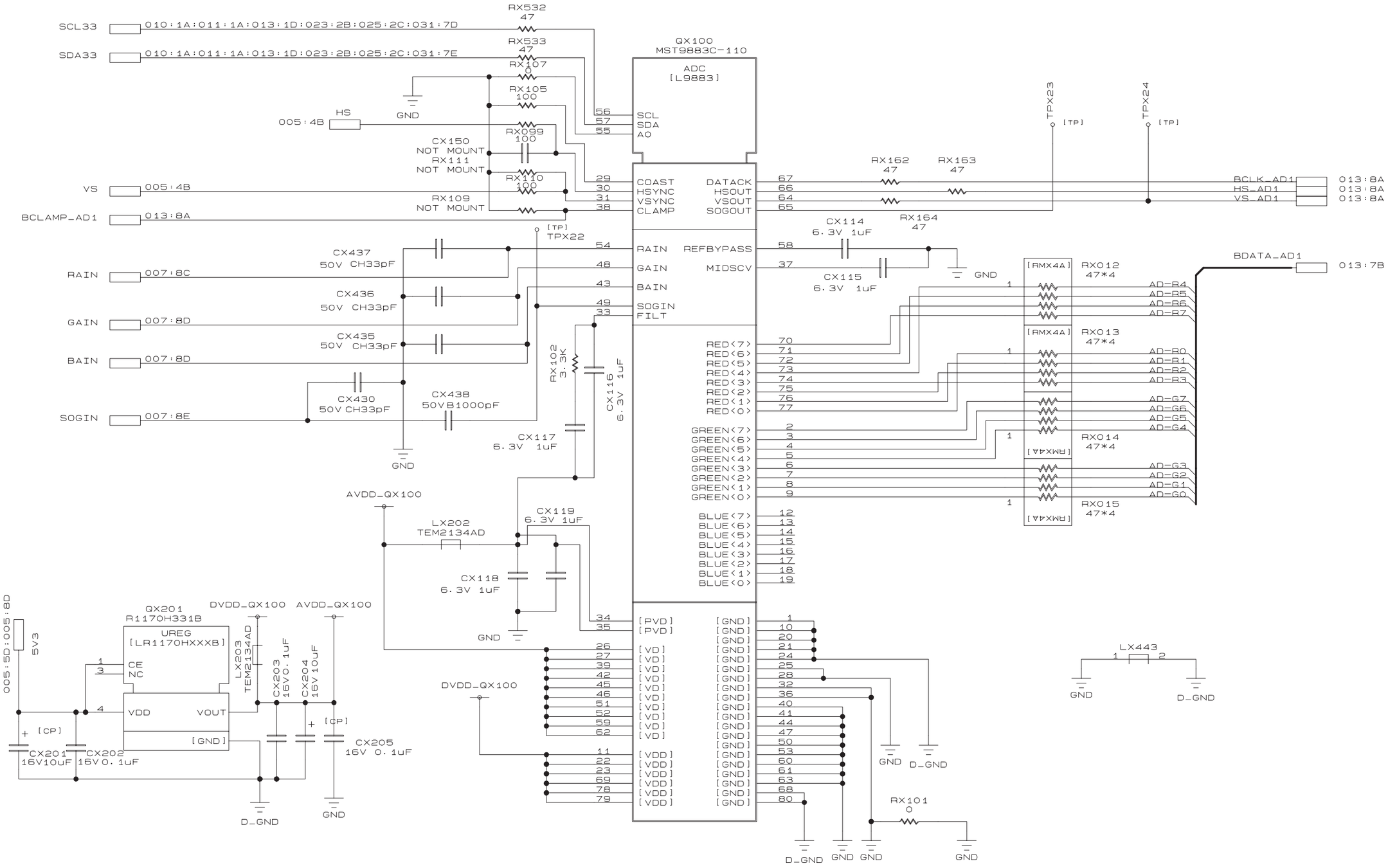




34JH9UH
I/F (1/2)
SHEET-1/2

SH. NO.
5

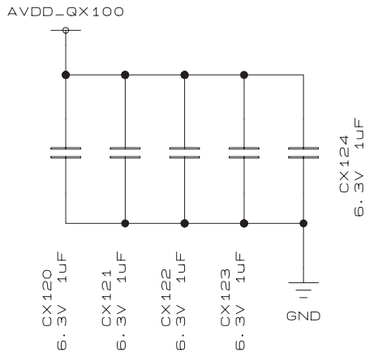

≥1
[VHCT032]
QX470
TC74VHCT32AFT
GPIO0_HBLK
013:8D
DHS
013:1C
DVS
013:1C
CX471
16V 0.1uF
5V4
LX470
TEM2134AD
CX946
6.3V
B2.2uF
GND
[Vcc]
[Vss]
RX836
NOT MOUNT
RX837
NOT MOUNT
RX838
NOT MOUNT
RX841
100
BLK_UP
001:7A
CX837
50V CH33pF
CX834
50V CH33pF
CX835
50V CH33pF
HD_UP
002:8C:033:6C
RX834
100
VD_UP
002:8B:033:6E
RX835
100
CR_SCAL
002:8A
CB_SCAL
001:8F
RX833
10
CX833
NOT MOUNT
PROUT
017:8E
RX832
10
CX832
NOT MOUNT
PBOUT
017:8C
RX831
10
CX831
NOT MOUNT
YOUT
017:8A
9V
C568
16V 0.1uF
R560
1K
Y_SCAL_2
001:8E
[TRP]
Q520
2SA1576A
R564
100
R573
NOT MOUNT
C573
NOT MOUNT
GJ008
NOT MOUNT
L550
TEM2034AD
[FL09B]
GJ009
NOT MOUNT
R4467
3.3K
Y_SCAL_3
002:8B
R4466
1K
Q4465
2SA1576A
C4476
50V CH10pF
34JH9UH
I/F (2/2)
SHEET-2/2
SH. NO.
6


LX439
10uH
2520
F_LPF_9V
020:1A:021:2A
9V
005:5D:006:8C
[CP]
CX439
16V 100uF
GND
RX516
2.2K
RX412
68
1608
RX523
100
[TRP]
QX405
2SA1576A
Y1_QV01_1
032:1B:034:2C:036:4E
RX416
1.5K
RX421
68
RX423
100
Y_COMB
024:4E
QX403
2SA1576A
RX411
22K
RX424
22K
RX418
22K
RX417
33K
RX419
33K
RX422
33K
QX401
SM5301AS
[L5301A]
CX406
6.3V B0.1uF
CX402
6.3V B0.1uF
CX401
16V100uF
CX403
16V 100uF
CX404
16V B0.01u
RX518
1.5K
RX433
68
RX527
100
Pr1_QV01_1
036:4E
QX406
2SA1576A
RX517
1.5k
RX413
68
RX403
1k
RX525
100
Pb1_QV01_1
036:4E
QX404
2SA1576A
RX414
2.2k
RX415
68
C_COMB
024:1E
RX420
100
QX402
2SA1576A
SW_COMB
036:4D
GRX01
NOT MOUNT
RINA/YINA
RINB/YINB
GINA/UINA
GINB/UINB
BINA/VINA
BINB/VINB
MUXSEL
SYNCIN
DISABLE
NC
NC
VCC1
GND1
VCC2
GND2
GND
ROUT/YOUT
GSR1
GOUT/UOUT
GSG1
BOUT/VOUT
GSB1
RFC
VFC
NC
VCC4
GND4
VCC3
GND3
GND
CX415
16V10uF
CX410
16V 0.1uF
CX411
16V 0.1uF
CX408
16V 0.1uF
CX409
16V 0.1uF
RX404
NOT MOUNT
RX402
0
CX407
16V 0.1uF
RX401
820F
Y_FIL
CR_FIL
CB_FIL
021:2C
021:5C
021:2E
RX408
NOT MOUNT
CX927
25V 0.1uF
RX840
4.7K
GPIO2_VPC
031:5E
LX403
TEM2034AD
[FL09B]
CX417
16V0.1uF
CX416
16V 10uF
RX839
3.3K
RX407
NOT MOUNT
CX928
6.3V 47uF
LX436
TEM2027AD
[L2D]
CX113
16V 0.1uF
RAIN
008:1B
RX534
10
LX432
TEM2027AD
CX111
16V 0.1uF
BAIN
008:1C
RX529
10
LX435
TEM2027AD
CX112
16V 0.1uF
GAIN
008:1C
RX530
10
RX536
100
LX401
TEM2143AD
5V3
LX402
10uH
VDD_LPF
RX446
2.2k
RX430
1.5k
SOGIN
008:1C
QX576
2SA1576A
34JH9UH
ACTIVE-FILTER
SH. NO.
7

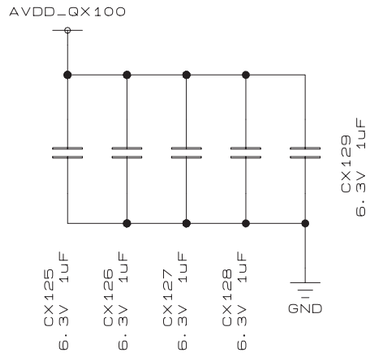



34JH9UH
AD-CONVERTER (A) SH. NO. 8
SHEET-1/2

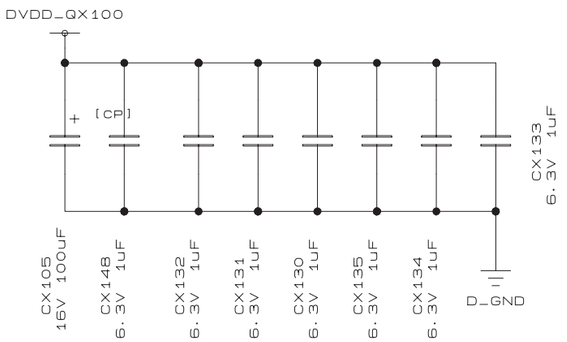
Capasitor for QX100



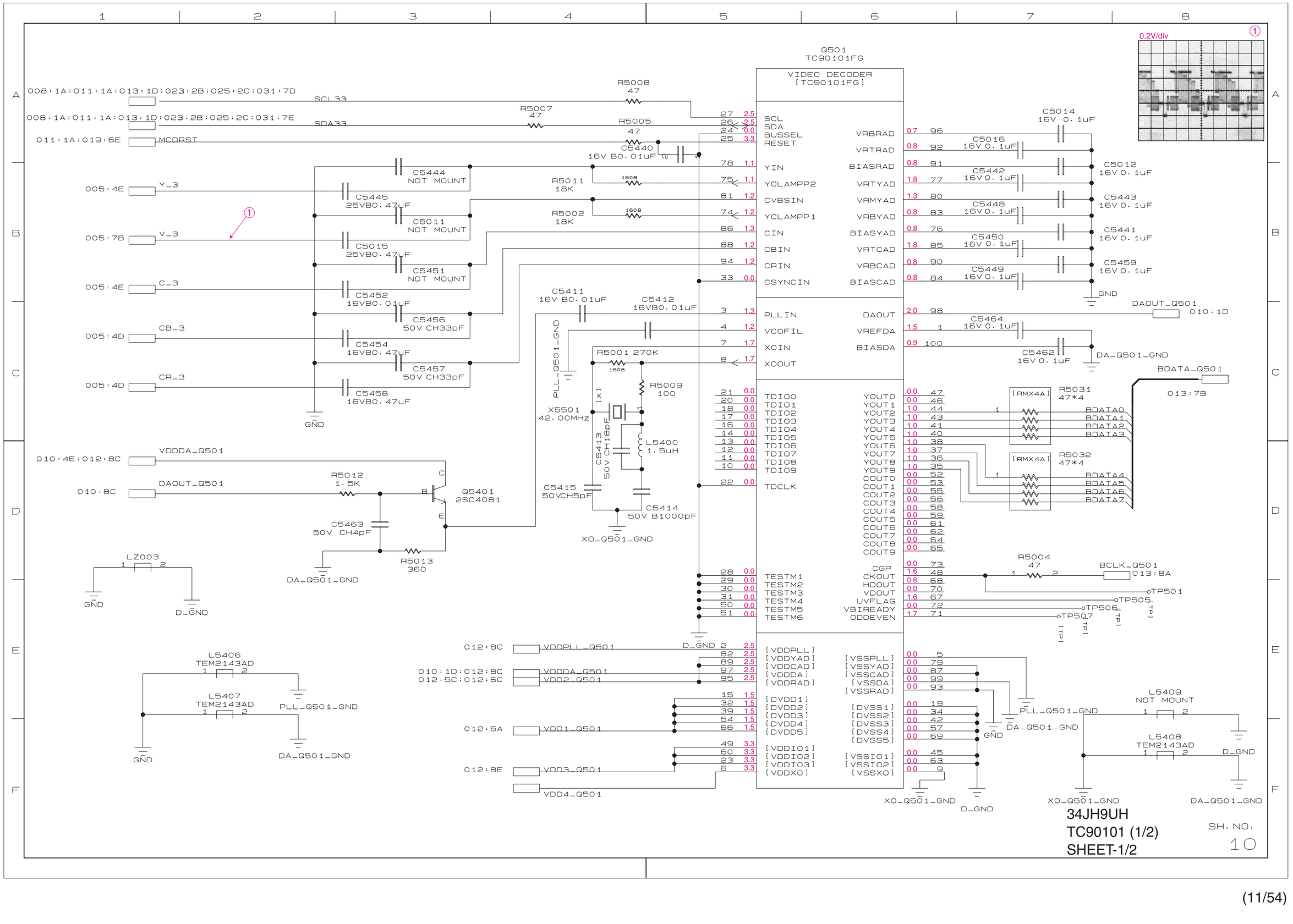

Capasitor for QX100

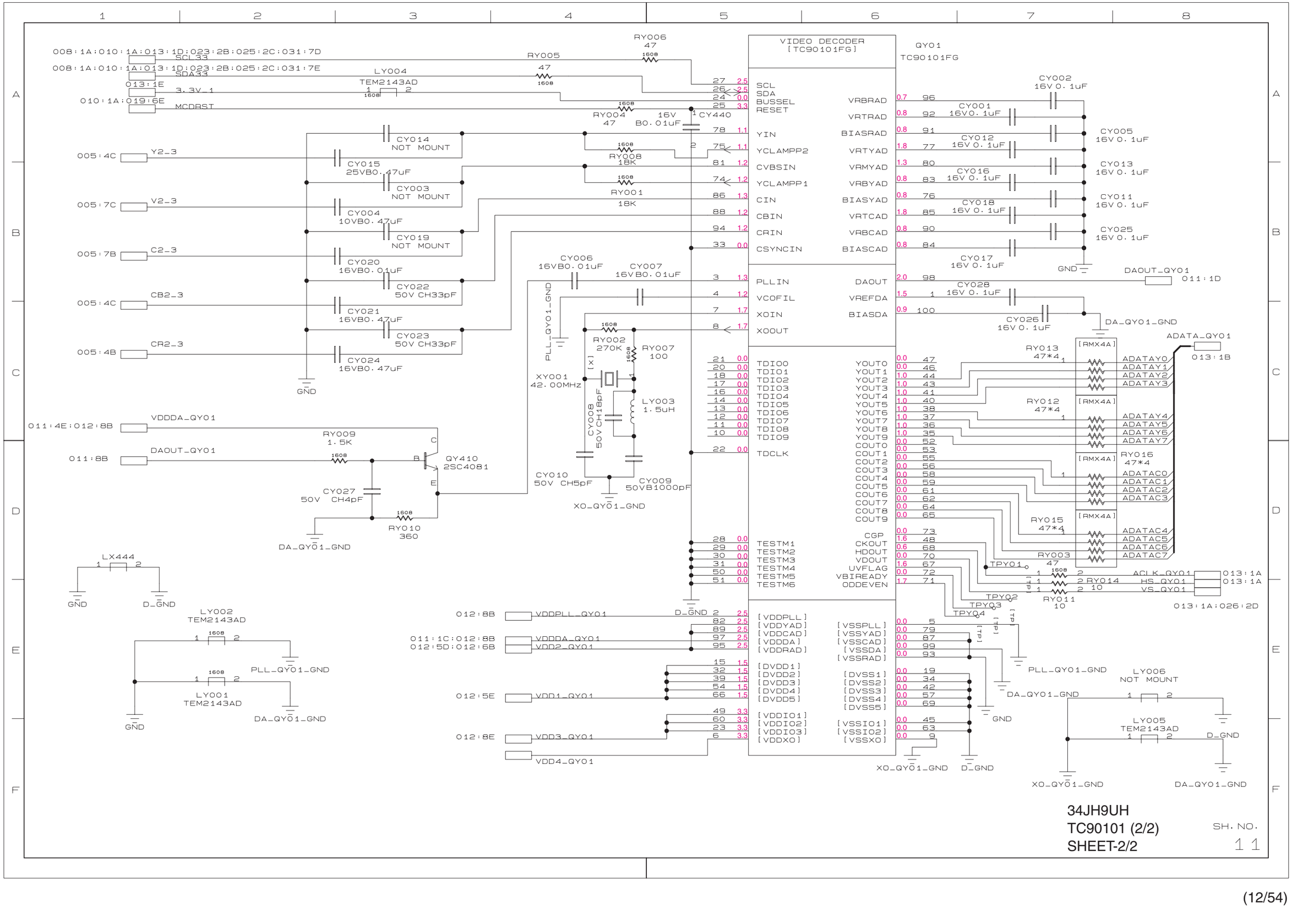


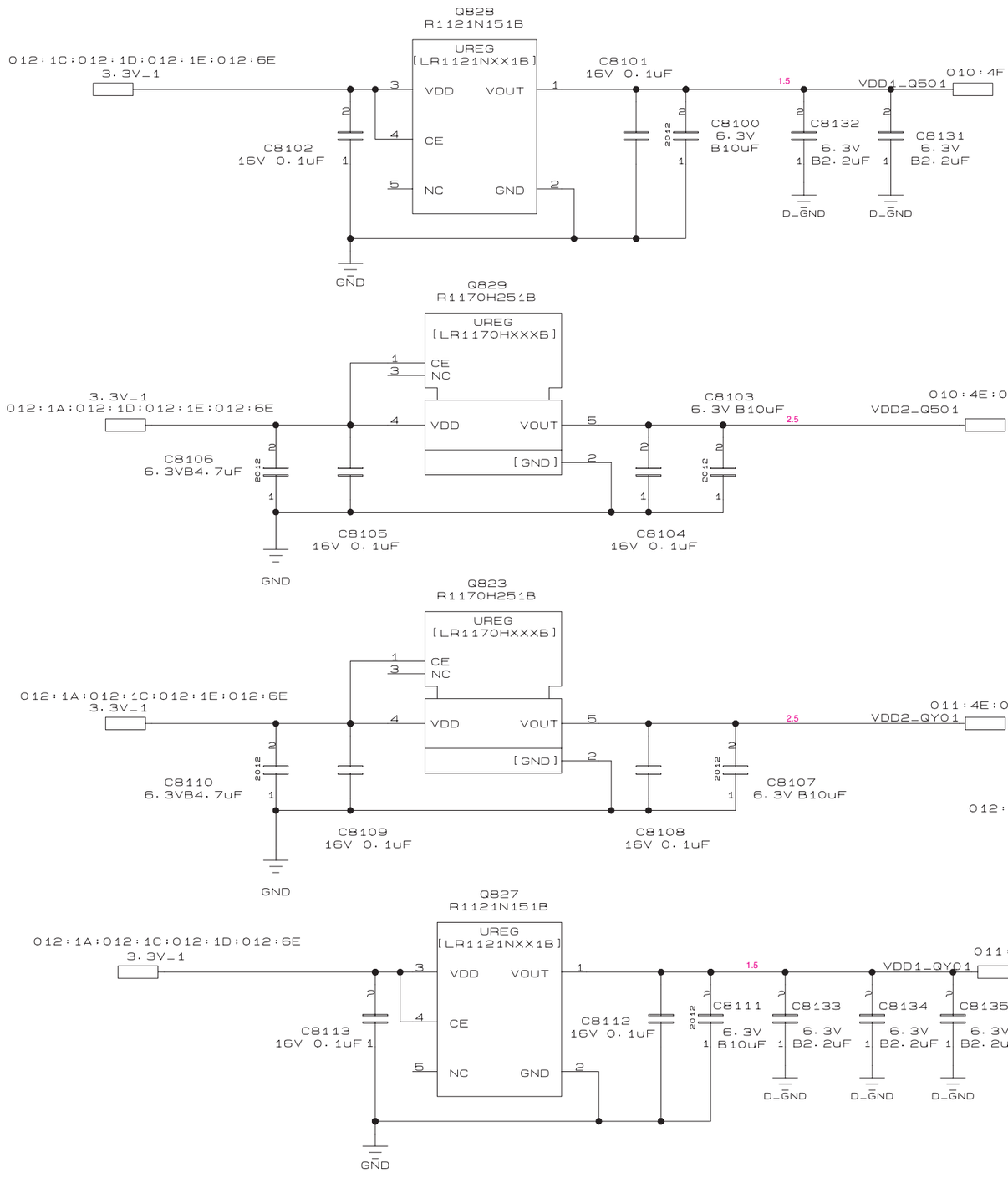

Capasitor for QX100

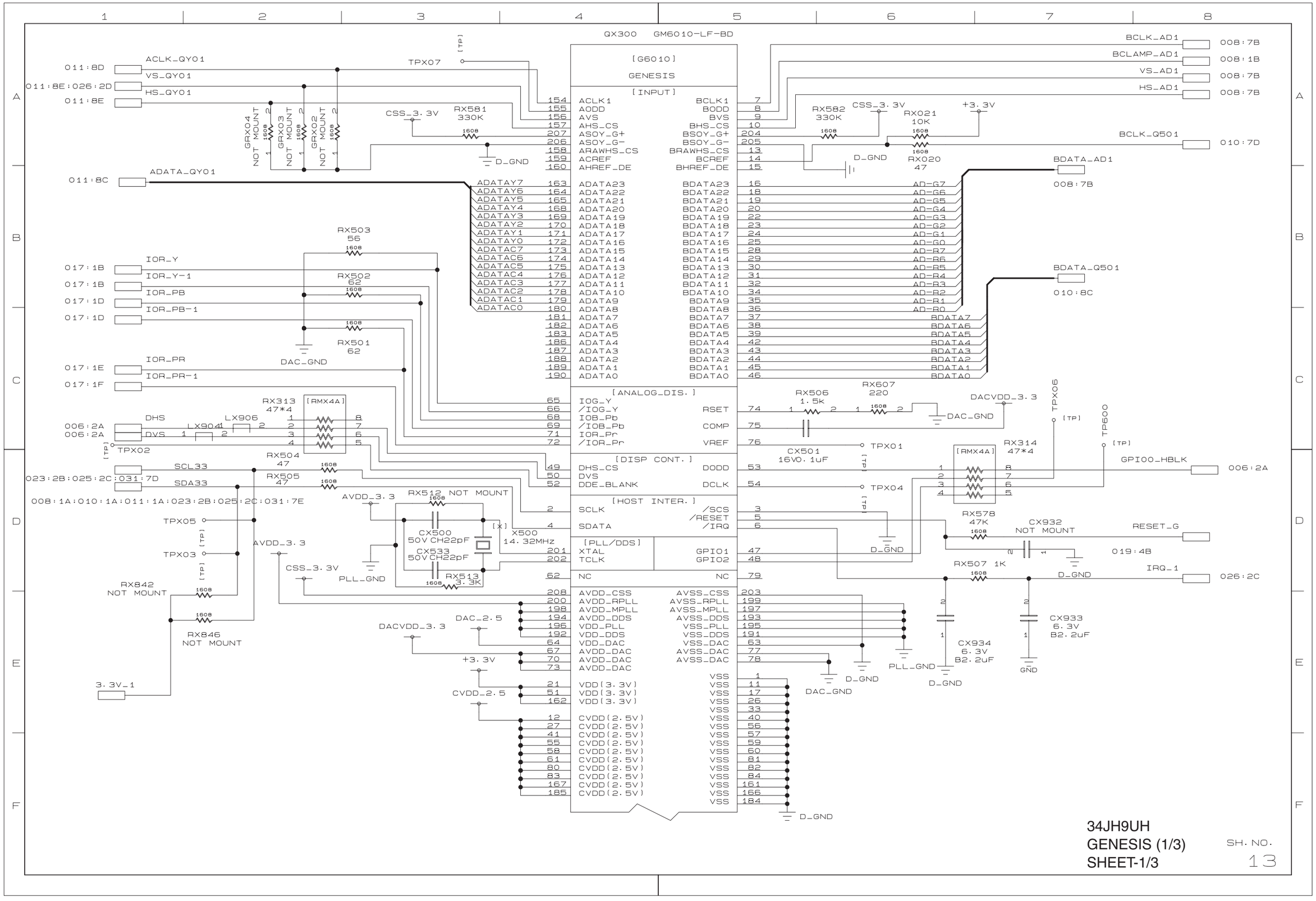



34JH9UH
AD-CONVERTER (B) SH. NO. 60
SHEET-2/2


Q501
TC90101FG
VIDEO DECODER
[TC90101FG]
SCL
SDA
BUSSEL
RESET
YIN
YCLAMPP2
CVBSIN
YCLAMPP1
CIN
CBIN
CRIN
CSYNCIN
PLLIN
VCOFIL
XOIN
XOOUT
TDIO0
TDIO1
TDIO2
TDIO3
TDIO4
TDIO5
TDIO6
TDIO7
TDIO8
TDIO9
TDCLK
TESTM1
TESTM2
TESTM3
TESTM4
TESTM5
TESTM6
[VDDPLL]
[VDDYAD]
[VDDCAD]
[VDDDA]
[VDDRAD]
[DVDD1]
[DVDD2]
[DVDD3]
[DVDD4]
[DVDD5]
[VDDIO1]
[VDDIO2]
[VDDIO3]
[VDDXO]
VRBRAD
VRTRAD
BIASRAD
VRTYAD
VRMYAD
VRBYAD
BIASYAD
VRTCAD
VRBCAD
BIASCAD
DAOUT
VREFDA
BIASDA
YOUT0
YOUT1
YOUT2
YOUT3
YOUT4
YOUT5
YOUT6
YOUT7
YOUT8
YOUT9
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
COUT8
COUT9
CGP
CKOUT
HDOUT
VDOUT
UVFLAG
VBIREADY
ODDEVEN
[VSSPLL]
[VSSYAD]
[VSSCAD]
[VSSDA]
[VSSRAD]
[DVSS1]
[DVSS2]
[DVSS3]
[DVSS4]
[DVSS5]
[VSSIO1]
[VSSIO2]
[VSSXO]
0.2V/div
008:1A:011:1A:013:1D:023:2B:025:2C:031:7D
008:1A:011:1A:013:1D:023:2B:025:2C:031:7E
011:1A:019:6E
SCL33
SDA33
MCDRST
R5008 47
R5007 47
R5005 47
C5440 16V B0.01uF
005:4E
Y_3
005:7B
V_3
005:4E
C_3
005:4D
CB_3
005:4D
CR_3
C5444 NOT MOUNT
C5445 25VB0.47uF
C5011 NOT MOUNT
C5015 25VB0.47uF
C5451 NOT MOUNT
C5452 16VB0.01uF
C5456 50V CH33pF
C5454 16VB0.47uF
C5457 50V CH33pF
C5458 16VB0.47uF
R5011 18K
R5002 18K
1608
GND
C5411 16V B0.01uF
C5412 16VB0.01uF
PLL_Q501_GND
R5001 270K
R5009 100
X5501 42.00MHz
[X]
C5413 50V CH18pF
L5400 1.5uH
C5415 50VCH5pF
C5414 50V B1000pF
XO_Q501_GND
010:4E:012:8C
VDDDA_Q501
010:8C
DAOUT_Q501
R5012 1.5K
Q5401 2SC4081
C5463 50V CH4pF
R5013 360
DA_Q501_GND
LZ003
D_GND
012:8C
VDDPLL_Q501
010:1D:012:8C
012:5C:012:6C
VDDDA_Q501
VDD2_Q501
012:5A
VDD1_Q501
012:8E
VDD3_Q501
VDD4_Q501
L5406 TEM2143AD
L5407 TEM2143AD
C5014 16V 0.1uF
C5016 16V 0.1uF
C5012 16V 0.1uF
C5442 16V 0.1uF
C5443 16V 0.1uF
C5448 16V 0.1uF
C5441 16V 0.1uF
C5450 16V 0.1uF
C5459 16V 0.1uF
C5449 16V 0.1uF
C5464 16V 0.1uF
C5462 16V 0.1uF
DAOUT_Q501
010:1D
DA_Q501_GND
BDATA_Q501
013:7B
[RMX4A]
R5031 47*4
R5032 47*4
BDATA0
BDATA1
BDATA2
BDATA3
BDATA4
BDATA5
BDATA6
BDATA7
R5004 47
BCLK_Q501
013:8A
TP501
TP505
TP506
TP507
[TP]
L5409 NOT MOUNT
L5408 TEM2143AD
34JH9UH
TC90101 (1/2)
SHEET-1/2
SH. NO.
10

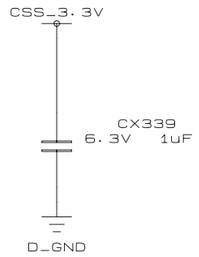

VIDEO DECODER [TC90101FG]
QY01 TC90101FG
SCL
SDA
BUSSEL
RESET
YIN
YCLAMPP2
CVBSIN
YCLAMPP1
CIN
CBIN
CRIN
CSYNCIN
VRBRAD
VRTRAD
BIASRAD
VRTYAD
VRMYAD
VRBYAD
BIASYAD
VRTCAD
VRBCAD
BIASCAD
PLLIN
VCOFIL
XOIN
XOOUT
DAOUT
VREFDA
BIASDA
TDI00
TDI01
TDI02
TDI03
TDI04
TDI05
TDI06
TDI07
TDI08
TDI09
TDCLK
YOUT0
YOUT1
YOUT2
YOUT3
YOUT4
YOUT5
YOUT6
YOUT7
YOUT8
YOUT9
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
COUT8
COUT9
CGP
CKOUT
HDOUT
VDOUT
UVFLAG
VBIREADY
ODDEVEN
TESTM1
TESTM2
TESTM3
TESTM4
TESTM5
TESTM6
[VDDPLL]
[VDDYAD]
[VDDCAD]
[VDDDA]
[VDDRAD]
[DVDD1]
[DVDD2]
[DVDD3]
[DVDD4]
[DVDD5]
[VDDIO1]
[VDDIO2]
[VDDIO3]
[VDDXO]
[VSSPLL]
[VSSYAD]
[VSSCAD]
[VSSDA]
[VSSRAD]
[DVSS1]
[DVSS2]
[DVSS3]
[DVSS4]
[DVSS5]
[VSSIO1]
[VSSIO2]
[VSSXO]
SCL_33
SDA_33
3.3V_1
MCDRST
LY004 TEM2143AD
RY005 47
RY006 47
RY004 47
CY440 16V B0.01uF
RY008 18K
RY001 18K
RY002 270K
RY007 100
XY001 42.00MHz
LY003 1.5uH
CY008 50V CH18pF
CY010 50V CH5pF
CY009 50VB1000pF
CY006 16VB0.01uF
CY007 16VB0.01uF
PLL_QY01_GND
XO_QY01_GND
Y2_3
V2_3
C2_3
CB2_3
CR2_3
CY014 NOT MOUNT
CY015 25VB0.47uF
CY003 NOT MOUNT
CY004 10VB0.47uF
CY019 NOT MOUNT
CY020 16VB0.01uF
CY022 50V CH33pF
CY021 16VB0.47uF
CY023 50V CH33pF
CY024 16VB0.47uF
GND
VDDDA_QY01
DAOUT_QY01
RY009 1.5K
QY410 2SC4081
CY027 50V CH4pF
RY010 360
DA_QY01_GND
LX444
D_GND
LY002 TEM2143AD
LY001 TEM2143AD
PLL_QY01_GND
DA_QY01_GND
VDDPLL_QY01
VDDDA_QY01
VDD2_QY01
VDD1_QY01
VDD3_QY01
VDD4_QY01
CY002 16V 0.1uF
CY001 16V 0.1uF
CY012 16V 0.1uF
CY016 16V 0.1uF
CY018 16V 0.1uF
CY017 16V 0.1uF
CY005 16V 0.1uF
CY013 16V 0.1uF
CY011 16V 0.1uF
CY025 16V 0.1uF
CY028 16V 0.1uF
CY026 16V 0.1uF
DAOUT_QY01
DA_QY01_GND
ADATA_QY01
RY013 47*4
RY012 47*4
RY016 47*4
RY015 47*4
RY003 47
RY014 10
RY011 10
ADATAY0
ADATAY1
ADATAY2
ADATAY3
ADATAY4
ADATAY5
ADATAY6
ADATAY7
ADATAC0
ADATAC1
ADATAC2
ADATAC3
ADATAC4
ADATAC5
ADATAC6
ADATAC7
TPY01
TPY02
TPY03
TPY04
ACLK_QY01
HS_QY01
VS_QY01
LY006 NOT MOUNT
LY005 TEM2143AD
XO_QY01_GND
D_GND
DA_QY01_GND
34JH9UH
TC90101 (2/2)
SHEET-2/2
SH. NO.
11

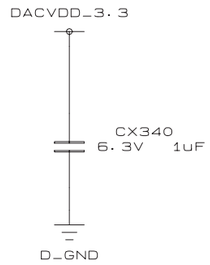

Q828
R1121N151B
UREG
[LR1121NXX1B]
012:1C:012:1D:012:1E:012:6E
3.3V_1
VDD
VOUT
CE
NC
GND
C8101
16V 0.1uF
C8102
16V 0.1uF
C8100
6.3V
B10uF
C8132
6.3V
B2.2uF
C8131
6.3V
B2.2uF
D_GND
010:4F
VDD1_Q501
1.5
Q829
R1170H251B
UREG
[LR1170HXXXB]
3.3V_1
012:1A:012:1D:012:1E:012:6E
C8106
6.3VB4.7uF
C8105
16V 0.1uF
C8103
6.3V B10uF
C8104
16V 0.1uF
2.5
010:4E:012:6C
VDD2_Q501
Q823
R1170H251B
012:1A:012:1C:012:1E:012:6E
3.3V_1
C8110
6.3VB4.7uF
C8109
16V 0.1uF
C8107
6.3V B10uF
C8108
16V 0.1uF
011:4E:012:6B
VDD2_QY01
Q827
R1121N151B
012:1A:012:1C:012:1D:012:6E
3.3V_1
C8113
16V 0.1uF
C8112
16V 0.1uF
C8111
6.3V
B10uF
C8133
6.3V
B2.2uF
C8134
6.3V
B2.2uF
C8135
6.3V
B2.2uF
011:4E
VDD1_QY01
L8104
TEM2143AD
011:4E:012:5D
VDD2_QY01
C8127
6.3V B2.2uF
L8102
TEM2134AD
C8121
6.3V47uF
C8123
6.3V B0.1uF
011:1C:011:4E
VDDDA_QY01
VDDPLL_QY01
011:4E
PLL_QY01_GND
DA_QY01_GND
L8103
TEM2143AD
010:4E:012:5C
VDD2_Q501
L8105
TEM2143AD
C8124
6.3VB0.1uF
C8128
6.3V47uF
C8129
6.3VB2.2uF
010:1D:010:4E
VDDDA_Q501
VDDPLL_Q501
010:4E
DA_Q501_GND
PLL_Q501_GND
L8100
TEM2143AD
012:1A:012:1C:012:1D:012:1E
3.3V_1
C8136
6.3V
B2.2uF
C8137
6.3V
B2.2uF
VDD3_Q501
010:4F
VDD3_QY01
011:4F
L8101
TEM2143AD
C8125
NOT MOUNT
C8114
NOT MOUNT
CX936
6.3V
B2.2uF
CX943
6.3V
B2.2uF1
C8138
6.3V
B2.2uF
C8139
6.3V
B2.2uF
L8106
TEM2143AD
L8107
TEM2143AD
C8140
2.2u 6.3V
NOT MOUNT
VDD4_Q501
VDD4_QY01
C8146
6.3VB2.2uF
NOT MOUNT
C8148
6.3VB2.2uF
NOT MOUNT
XO_Q501_GND
XO_QY01_GND
34JH9UH
TC90101-REG
SH. NO.
12

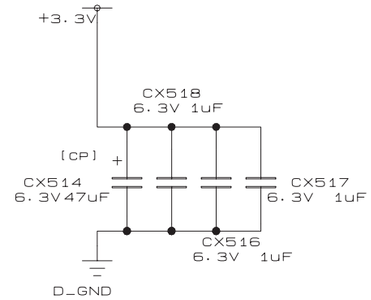

QX300 GM6010-LF-BD
[G6010]
GENESIS
[INPUT]
[ANALOG_DIS.]
[DISP CONT.]
[HOST INTER.]
[PLL/DDS]
ACLK_QY01
VS_QY01
HS_QY01
ADATA_QY01
IOR_Y
IOR_Y-1
IOR_PB
IOR_PB-1
IOR_PR
IOR_PR-1
DHS
DVS
SCL33
SDA33
TPX02
TPX03
TPX04
TPX05
TPX06
TPX07
TPX01
TP600
RX313 47*4 [RMX4A]
RX314 47*4 [RMX4A]
RX578 47K [RMX4A]
RX503 56
RX502 62
RX501 62
RX504 47
RX505 47
RX581 330K
RX582 330K
RX021 10K
RX020 47
RX506 1.5k
RX607 220
RX512 NOT MOUNT
RX513 3.3K
RX842 NOT MOUNT
RX846 NOT MOUNT
RX507 1K
GRX04 NOT MOUNT
GRX03 NOT MOUNT
GRX02 NOT MOUNT
CX500 50V CH22pF
CX533 50V CH22pF
X500 14.32MHz
CX501 16V0.1uF
CX932 NOT MOUNT
CX933 6.3V B2.2uF
CX934 6.3V B2.2uF
LX904
LX906
CSS_3.3V
AVDD_3.3
DACVDD_3.3
DAC_2.5
CVDD_2.5
+3.3V
3.3V_1
D_GND
DAC_GND
PLL_GND
GND
BCLK_AD1
BCLAMP_AD1
VS_AD1
HS_AD1
BCLK_Q501
BDATA_AD1
BDATA_Q501
GPIO0_HBLK
RESET_G
IRQ_1
011:8D
011:8E:026:2D
011:8E
011:8C
017:1B
017:1B
017:1D
017:1D
017:1E
017:1F
006:2A
006:2A
023:2B:025:2C:031:7D
008:1A:010:1A:011:1A:023:2B:025:2C:031:7E
008:7B
008:1B
008:7B
008:7B
010:7D
008:7B
010:8C
006:2A
019:4B
026:2C
34JH9UH
GENESIS (1/3)
SHEET-1/3
SH. NO.
13

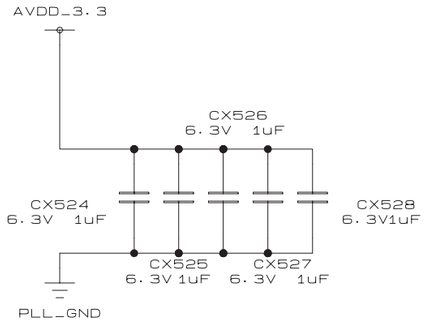
(14/54)

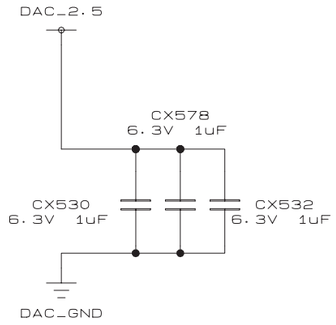
# Capasitor for QX300

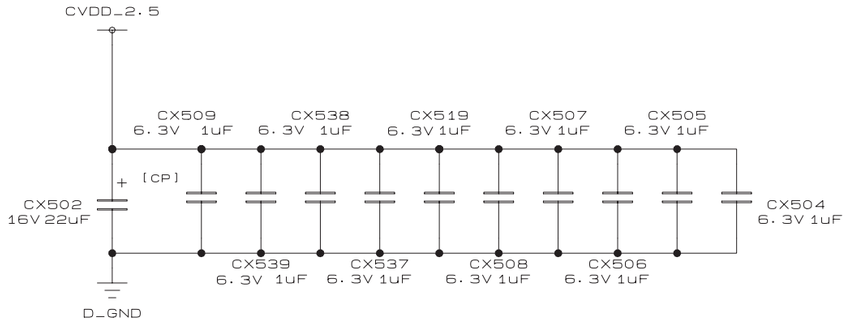



34JH9UH
GENESIS (2/3)
SHEET-2/3

SH. NO.
14

MD0_MD31

016:7A

RX300 47*4 [RMX4A]: MD31, MD30, MD29, MD28

RX301 47*4 [RMX4A]: MD27, MD26, MD25, MD24

RX302 47*4 [RMX4A]: MD23, MD22, MD21, MD20

RX303 47*4 [RMX4A]: MD19, MD18, MD17, MD16

RX304 47*4 [RMX4A]: MD15, MD14, MD13, MD12

RX305 47*4 [RMX4A]: MD11, MD10, MD9, MD8

RX306 47*4 [RMX4A]: MD7, MD6, MD5, MD4

RX307 47*4 [RMX4A]: MD3, MD2, MD1, MD0

QX300
GM6010-LF-BD
[G6010]
[SDRAM]

| | | | |
|---|---|---|---|
| 96 | RAMDQ31 | RAMCLK | 116 |
| 94 | RAMDQ30 | RAMBS0 | 123 |
| 93 | RAMDQ29 | RAMBS1 | 122 |
| 92 | RAMDQ28 | RAMCS# | 125 |
| 91 | RAMDQ27 | RAMDQ_MSK | 132 |
| 90 | RAMDQ26 | RAMWE# | 131 |
| 88 | RAMDQ25 | RAM_RAS# | 126 |
| 87 | RAMDQ24 | RAM_CAS# | 128 |
| 97 | RAMDQ23 | | |
| 98 | RAMDQ22 | RAMADDR10 | 121 |
| 99 | RAMDQ21 | RAMADDR9 | 113 |
| 100 | RAMDQ20 | RAMADDR8 | 112 |
| 101 | RAMDQ19 | RAMADDR7 | 111 |
| 102 | RAMDQ18 | RAMADDR6 | 110 |
| 103 | RAMDQ17 | RAMADDR5 | 109 |
| 104 | RAMDQ16 | RAMADDR4 | 108 |
| 142 | RAMDQ15 | RAMADDR3 | 107 |
| 140 | RAMDQ14 | RAMADDR2 | 118 |
| 139 | RAMDQ13 | RAMADDR1 | 119 |
| 137 | RAMDQ12 | RAMADDR0 | 120 |
| 136 | RAMDQ11 | | |
| 135 | RAMDQ10 | | |
| 134 | RAMDQ9 | | |
| 133 | RAMDQ8 | | |
| 143 | RAMDQ7 | | |
| 144 | RAMDQ6 | | |
| 145 | RAMDQ5 | | |
| 148 | RAMDQ4 | | |
| 149 | RAMDQ3 | | |
| 151 | RAMDQ2 | | |
| 152 | RAMDQ1 | | |
| 153 | RAMDQ0 | | |
| 89 | VDD(3.3V) | VSS | 85 |
| 106 | VDD(3.3V) | VSS | 95 |
| 124 | VDD(3.3V) | VSS | 105 |
| 141 | VDD(3.3V) | VSS | 114 |
| | | VSS | 117 |
| 86 | CVDD(2.5V) | VSS | 127 |
| 115 | CVDD(2.5V) | VSS | 129 |
| 130 | CVDD(2.5V) | VSS | 138 |
| 147 | CVDD(2.5V) | VSS | 146 |
| | | VSS | 150 |

MEMIO_3.3

MEMIO_CVDD_2.5V

D_GND

RX001 47: MCLK

RX308 47*4 [RMX4A]: CS#, BS0, BS1

RX309 47*4 [RMX4A]: DQM, WE#, CAS#, BAS#

RX310 47*4 [RMX4A]: MA9, MA8, MA7

RX311 47*4 [RMX4A]: MA6, MA5, MA4, MA3

RX312 47*4 [RMX4A]: MA2, MA1, MA0, MA10

MA0_MA10_S

016:1A

MEMIO_3.3

[CP] CX625 6.3V47uF; CX621 6.3V 1uF; CX622 6.3V 1uF; CX623 6.3V 1uF; CX624 6.3V 1uF

D_GND

MEMIO_CVDD_2.5V

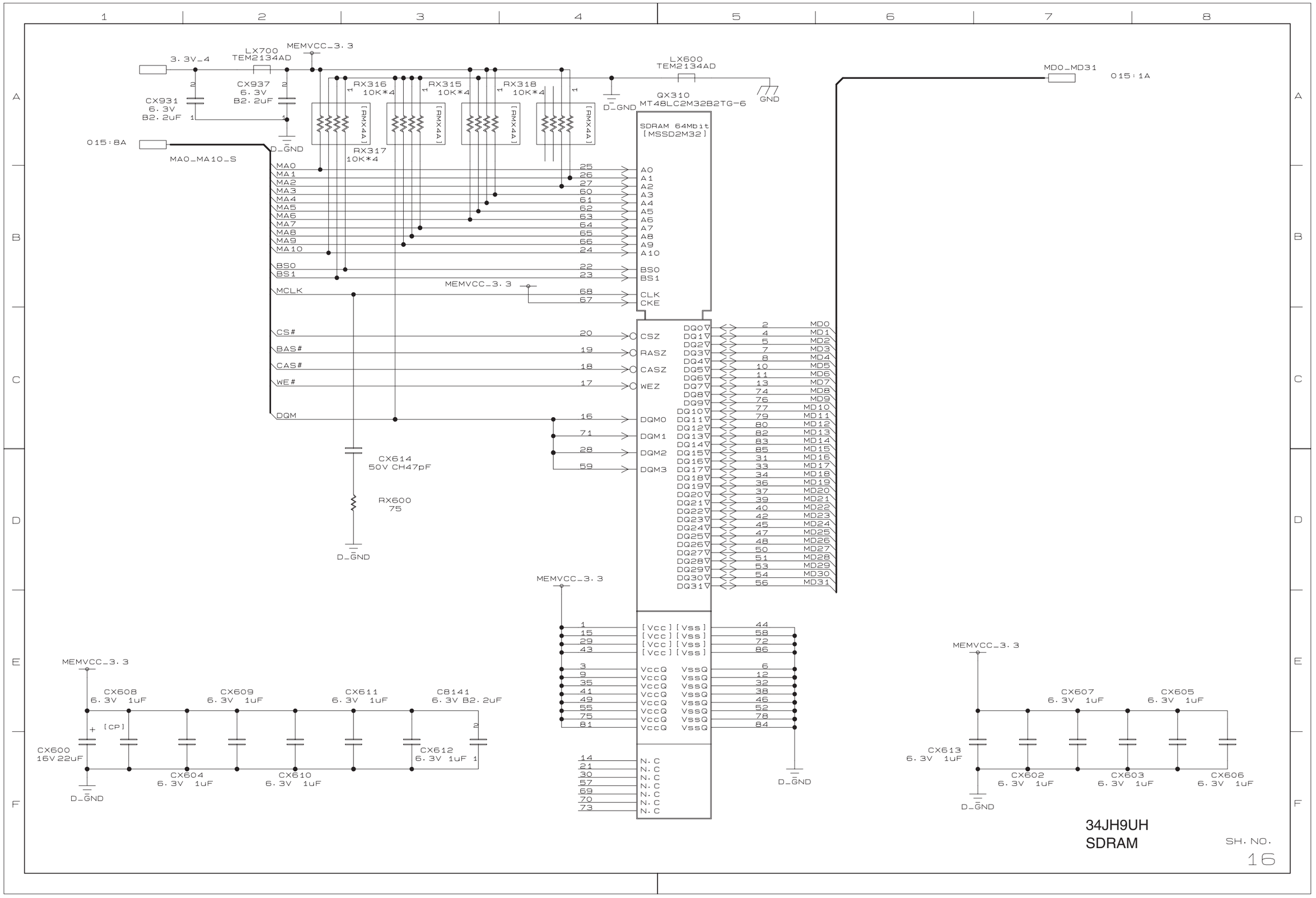
[CP] CX635 6.3V47uF; CX631 6.3V 1uF; CX632 6.3V 1uF; CX633 6.3V 1uF; CX634 6.3V 1uF; CX916 2; CX939 2

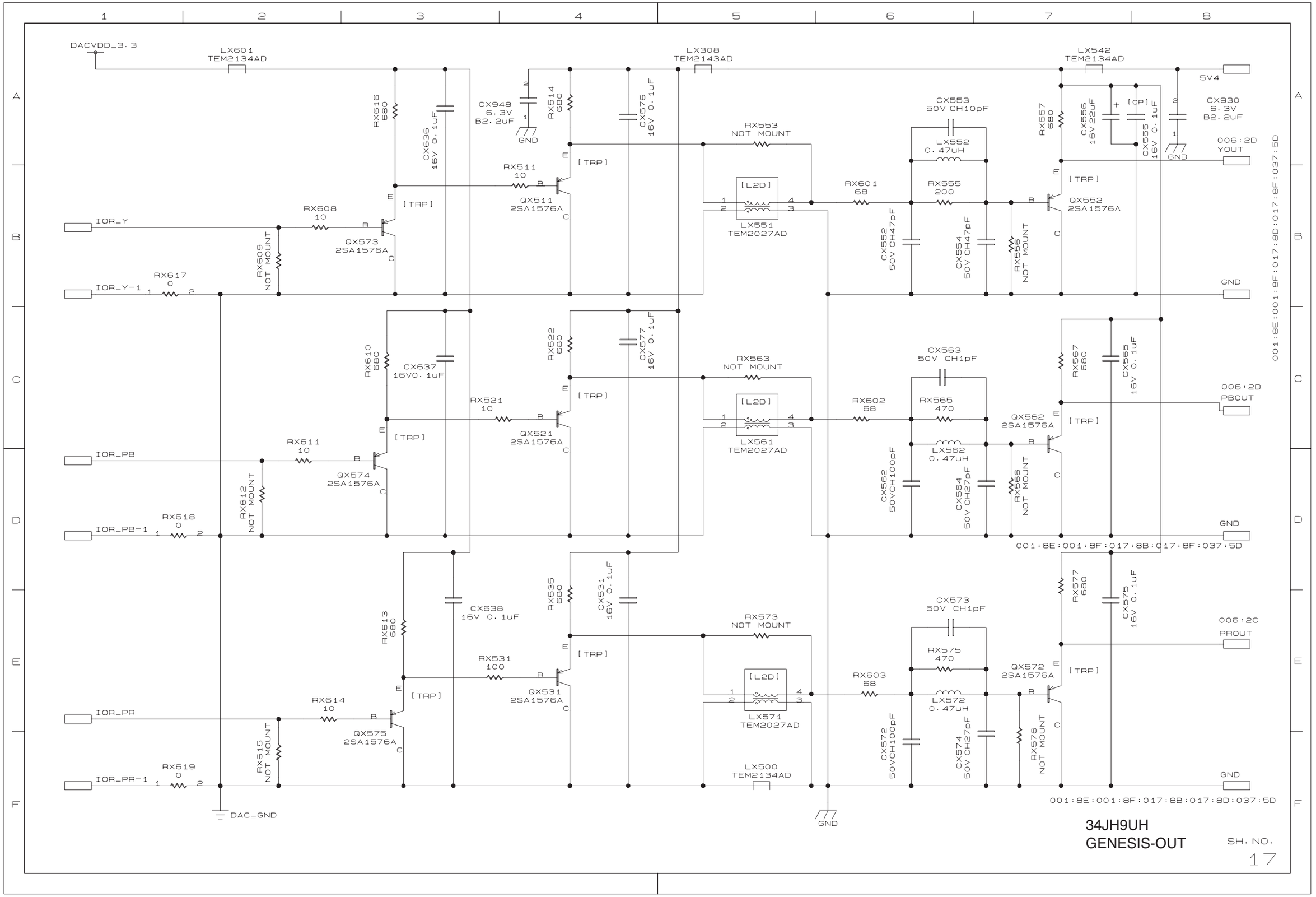
6.3V B2.2uF; 6.3V B2.2uF

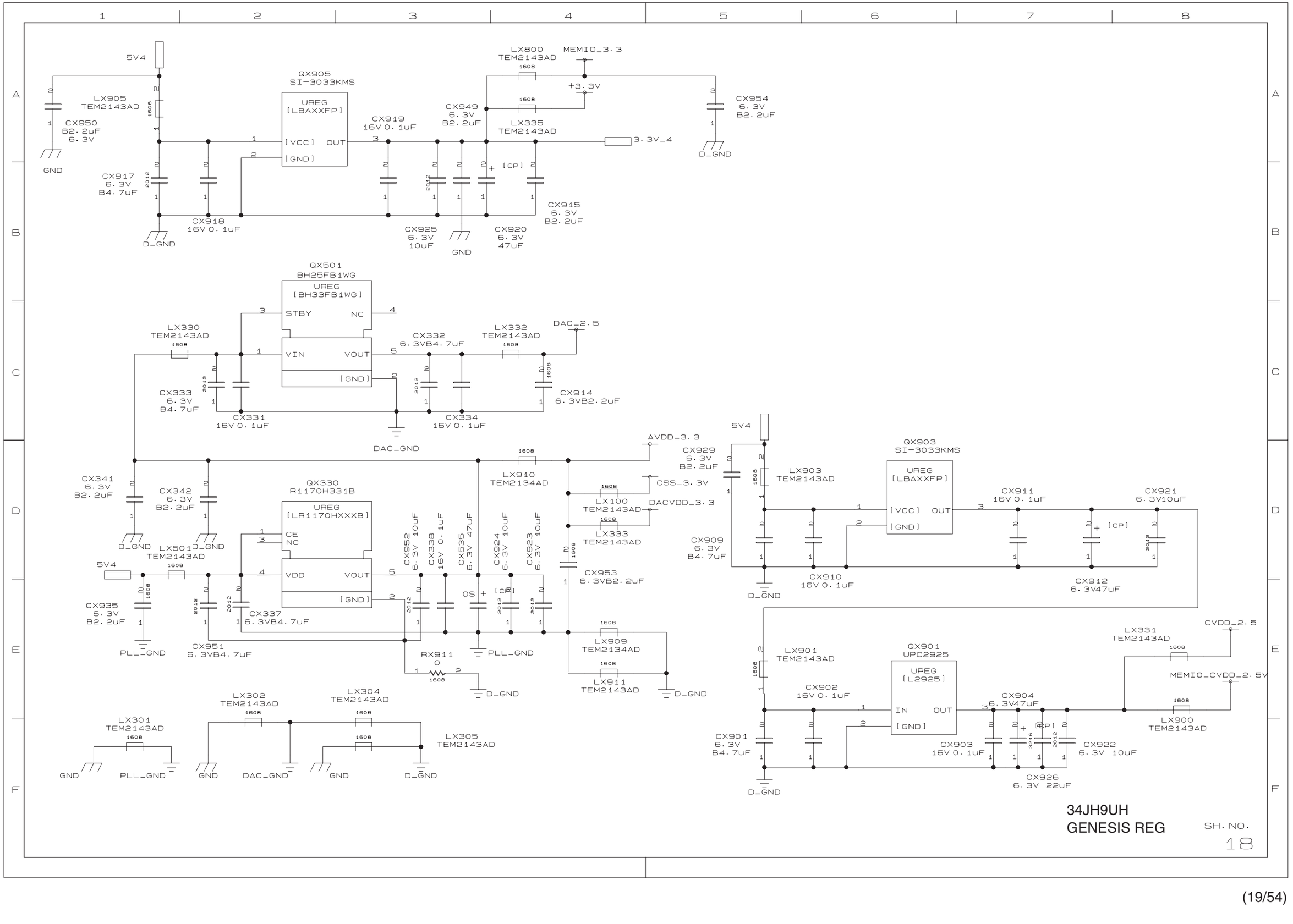
D_GND

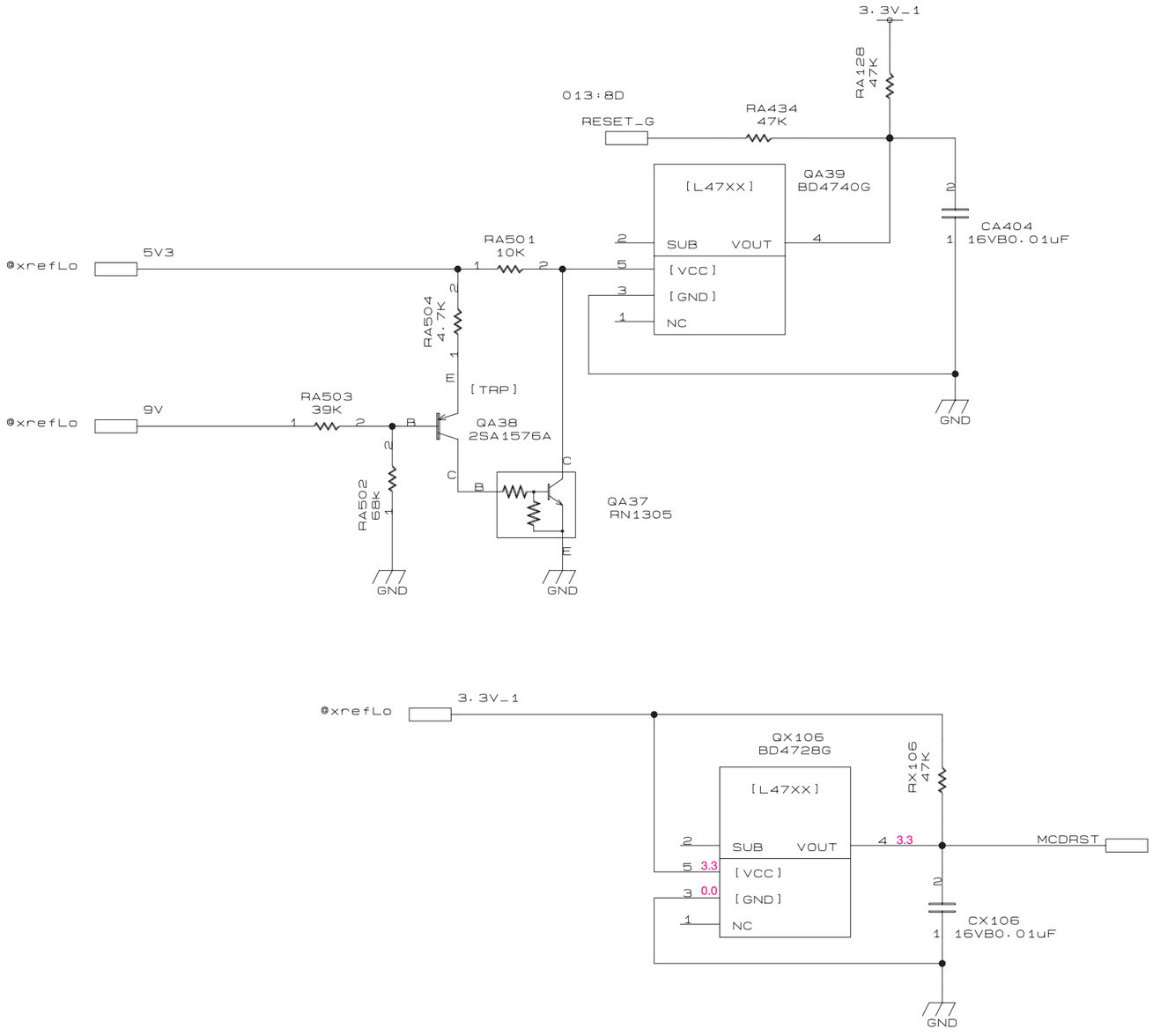
34JH9UH
GENESIS (3/3)
SHEET-3/3

SH. NO. 15


3.3V_4
LX700
TEM2134AD
MEMVCC_3.3
LX600
TEM2134AD
MD0_MD31
015:1A
CX931
6.3V
B2.2uF
CX937
6.3V
B2.2uF
RX316
10K*4
RX315
10K*4
RX318
10K*4
RX317
10K*4
[RMX4A]
QX310
MT48LC2M32B2TG-6
D_GND
GND
SDRAM 64Mbit
[MSSD2M32]
015:8A
MA0_MA10_S
MA0
MA1
MA2
MA3
MA4
MA5
MA6
MA7
MA8
MA9
MA10
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
BS0
BS1
MCLK
CKE
CS#
BAS#
CAS#
WE#
CSZ
RASZ
CASZ
WEZ
DQM
DQM0
DQM1
DQM2
DQM3
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
DQ24
DQ25
DQ26
DQ27
DQ28
DQ29
DQ30
DQ31
MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MD8
MD9
MD10
MD11
MD12
MD13
MD14
MD15
MD16
MD17
MD18
MD19
MD20
MD21
MD22
MD23
MD24
MD25
MD26
MD27
MD28
MD29
MD30
MD31
CX614
50V CH47pF
RX600
75
[Vcc]
[Vss]
VccQ
VssQ
N.C
CX608
6.3V 1uF
CX609
6.3V 1uF
CX611
6.3V 1uF
C8141
6.3V B2.2uF
CX600
16V 22uF
[CP]
CX604
6.3V 1uF
CX610
6.3V 1uF
CX612
6.3V 1uF
CX607
6.3V 1uF
CX605
6.3V 1uF
CX613
6.3V 1uF
CX602
6.3V 1uF
CX603
6.3V 1uF
CX606
6.3V 1uF
34JH9UH
SDRAM
SH. NO.
16

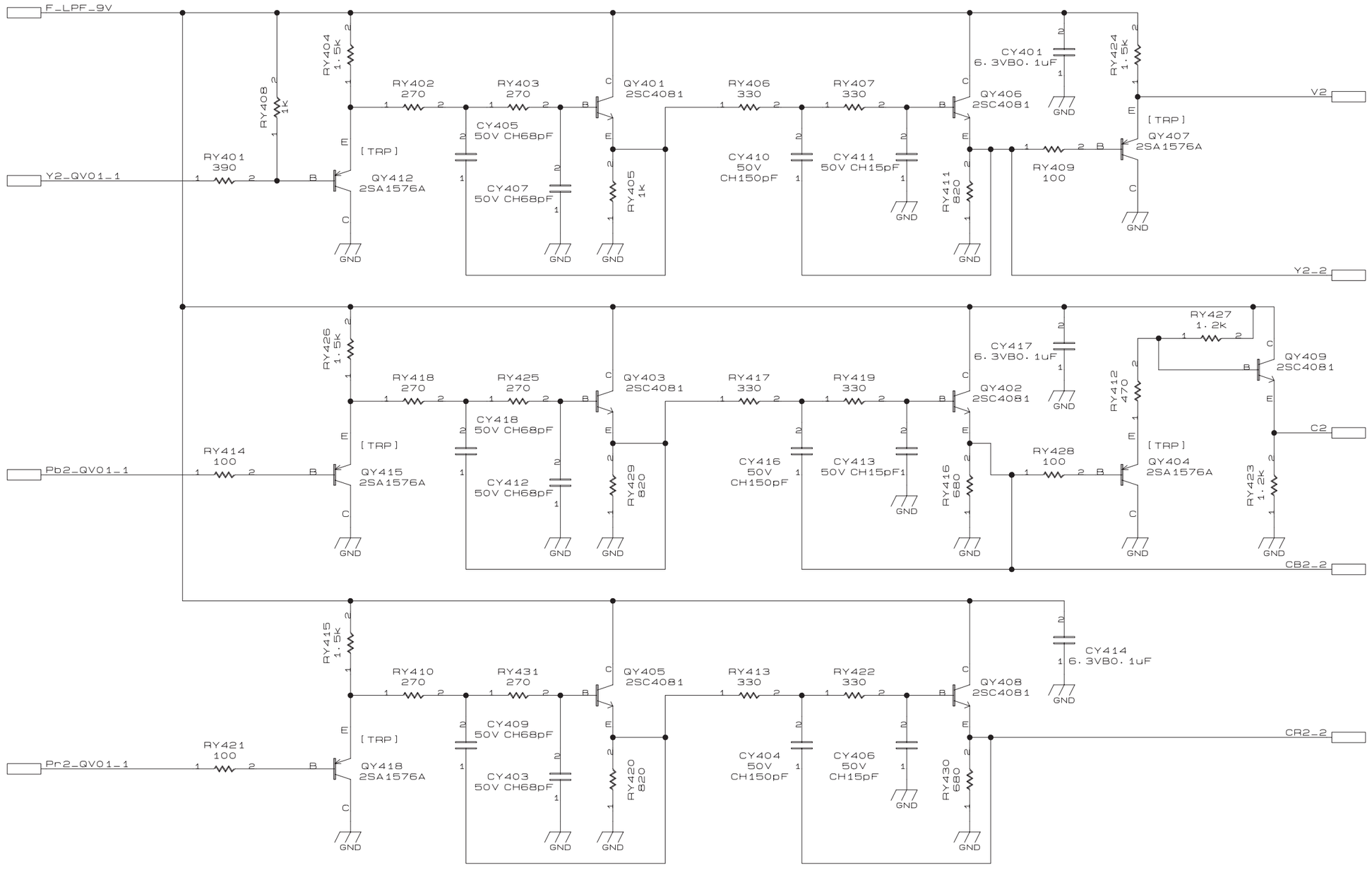

DACVDD_3.3
LX601
TEM2134AD
LX308
TEM2143AD
LX542
TEM2134AD
5V4
RX616
680
CX636
16V 0.1uF
CX948
6.3V
B2.2uF
GND
RX514
680
CX576
16V 0.1uF
CX553
50V CH10pF
LX552
0.47uH
RX557
680
CX556
16V22uF
[CP]
CX555
16V 0.1uF
CX930
6.3V
B2.2uF
006:2D
YOUT
RX553
NOT MOUNT
[L2D]
LX551
TEM2027AD
RX601
68
RX555
200
[TRP]
QX552
2SA1576A
RX511
10
QX511
2SA1576A
[TRP]
IOR_Y
RX608
10
QX573
2SA1576A
RX609
NOT MOUNT
CX552
50V CH47pF
CX554
50V CH47pF
RX556
NOT MOUNT
RX617
0
IOR_Y-1
GND
RX610
680
CX637
16V0.1uF
RX522
680
CX577
16V 0.1uF
CX563
50V CH1pF
RX563
NOT MOUNT
RX567
680
CX565
16V 0.1uF
006:2D
PBOUT
RX521
10
QX521
2SA1576A
[TRP]
[L2D]
LX561
TEM2027AD
RX602
68
RX565
470
QX562
2SA1576A
[TRP]
RX611
10
QX574
2SA1576A
IOR_PB
RX612
NOT MOUNT
LX562
0.47uH
CX562
50VCH100pF
CX564
50V CH27pF
RX566
NOT MOUNT
RX618
0
IOR_PB-1
GND
001:8E:001:8F:017:8B:017:8F:037:5D
CX638
16V 0.1uF
RX535
680
CX531
16V 0.1uF
CX573
50V CH1pF
RX573
NOT MOUNT
RX577
680
CX575
16V 0.1uF
006:2C
PROUT
RX613
680
RX531
100
QX531
2SA1576A
[TRP]
[L2D]
LX571
TEM2027AD
RX603
68
RX575
470
QX572
2SA1576A
[TRP]
RX614
10
QX575
2SA1576A
IOR_PR
RX615
NOT MOUNT
LX572
0.47uH
CX572
50VCH100pF
CX574
50V CH27pF
RX576
NOT MOUNT
RX619
0
IOR_PR-1
LX500
TEM2134AD
GND
DAC_GND
GND
001:8E:001:8F:017:8B:017:8D:037:5D
34JH9UH
GENESIS-OUT
SH. NO.
17

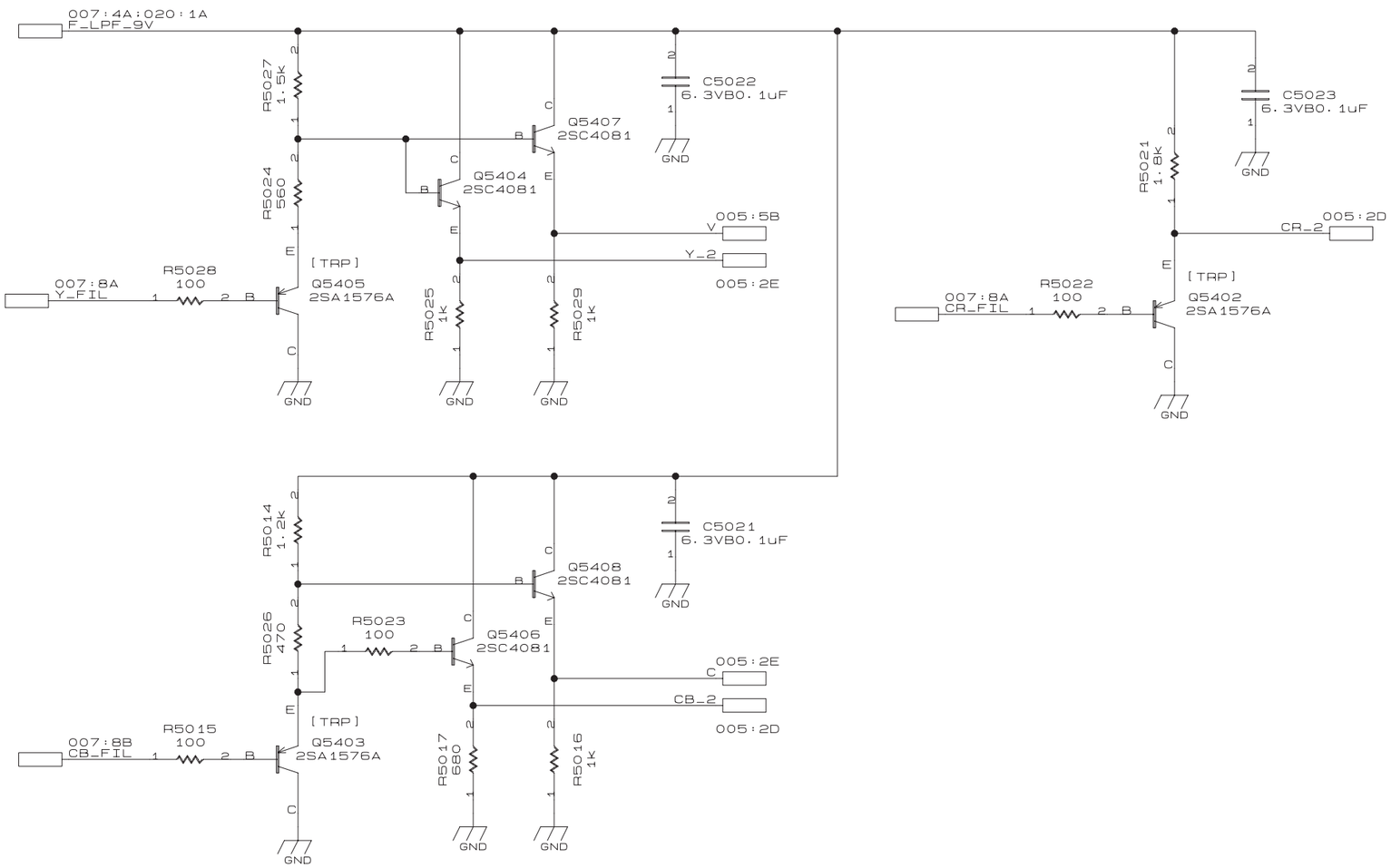

5V4
LX905
TEM2143AD
1608
CX950
B2.2uF
6.3V
GND
QX905
SI-3033KMS
UREG
[LBAXXFP]
[VCC]
OUT
[GND]
CX919
16V 0.1uF
LX800
TEM2143AD
1608
MEMIO_3.3
+3.3V
CX949
6.3V
B2.2uF
LX335
TEM2143AD
3.3V_4
CX954
6.3V
B2.2uF
D_GND
CX917
6.3V
B4.7uF
2012
CX918
16V 0.1uF
CX925
6.3V
10uF
CX920
6.3V
47uF
[CP]
CX915
6.3V
B2.2uF
QX501
BH25FB1WG
UREG
[BH33FB1WG]
STBY
NC
VIN
VOUT
LX330
TEM2143AD
LX332
TEM2143AD
DAC_2.5
CX332
6.3VB4.7uF
CX333
6.3V
B4.7uF
CX331
16V 0.1uF
CX334
16V 0.1uF
CX914
6.3VB2.2uF
DAC_GND
AVDD_3.3
LX910
TEM2134AD
CX929
6.3V
B2.2uF
CSS_3.3V
LX100
TEM2143AD
DACVDD_3.3
LX333
TEM2143AD
CX953
6.3VB2.2uF
CX341
6.3V
B2.2uF
CX342
6.3V
B2.2uF
QX330
R1170H331B
UREG
[LR1170HXXXB]
CE
NC
VDD
VOUT
[GND]
LX501
TEM2143AD
CX952
6.3V 10uF
CX338
16V 0.1uF
CX535
6.3V 47uF
CX924
6.3V 10uF
CX923
6.3V 10uF
OS
[CP]
CX935
6.3V
B2.2uF
CX337
6.3VB4.7uF
CX951
6.3VB4.7uF
PLL_GND
RX911
0
LX909
TEM2134AD
LX911
TEM2143AD
LX302
TEM2143AD
LX304
TEM2143AD
LX301
TEM2143AD
LX305
TEM2143AD
GND
DAC_GND
5V4
QX903
SI-3033KMS
LX903
TEM2143AD
CX911
16V 0.1uF
CX921
6.3V10uF
CX909
6.3V
B4.7uF
CX910
16V 0.1uF
CX912
6.3V47uF
CVDD_2.5
LX331
TEM2143AD
LX901
TEM2143AD
QX901
UPC2925
IN
OUT
CX902
16V 0.1uF
CX904
6.3V47uF
MEMIO_CVDD_2.5V
LX900
TEM2143AD
CX901
6.3V
B4.7uF
CX903
16V 0.1uF
CX922
6.3V 10uF
CX926
6.3V 22uF
34JH9UH
GENESIS REG
SH. NO.
18




34JH9UH
RESET

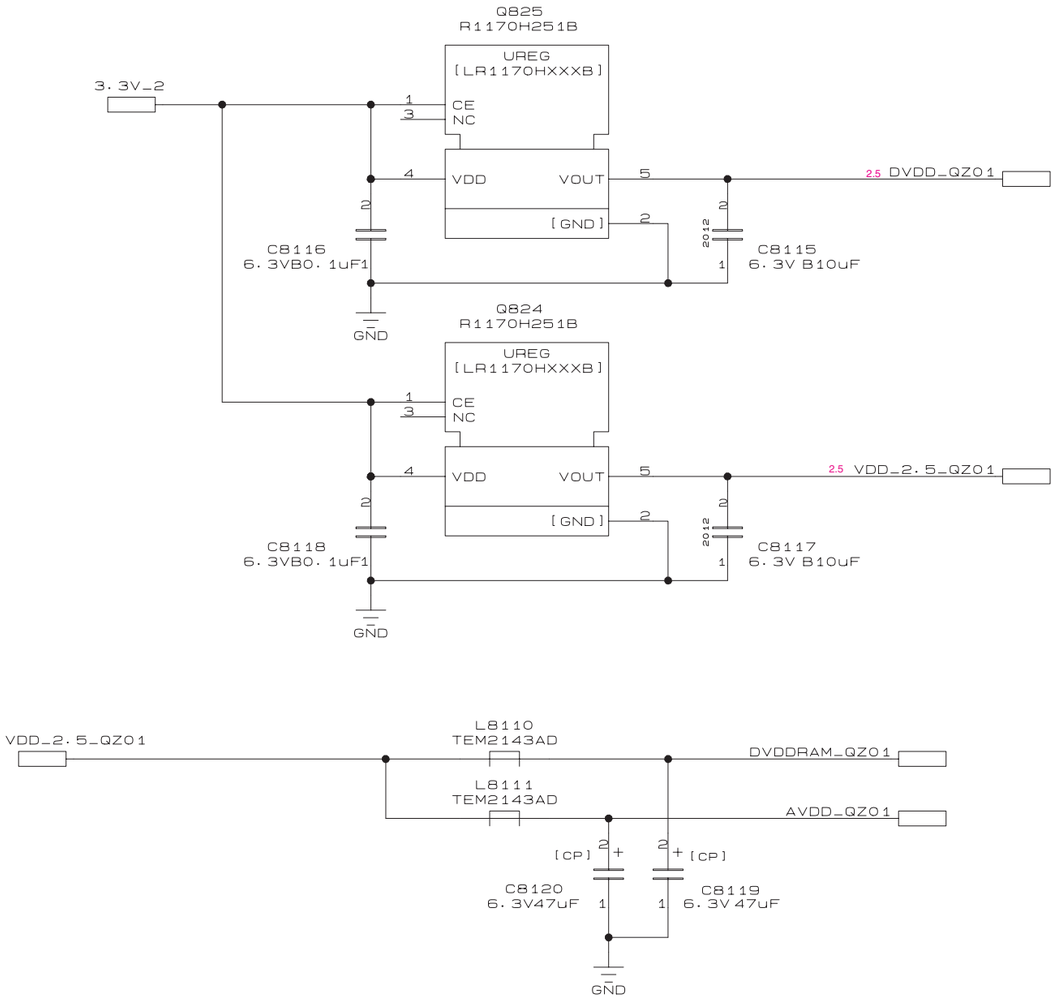
SH. NO.
19


F_LPF_9V
RY404 1.5k
RY408 1k
RY402 270
RY403 270
CY405 50V CH68pF
CY407 50V CH68pF
QY401 2SC4081
RY406 330
RY407 330
CY410 50V CH150pF
CY411 50V CH15pF
QY406 2SC4081
CY401 6.3VB0.1uF
RY424 1.5k
V2
[TRP]
QY407 2SA1576A
RY409 100
RY411 820
Y2_2
RY401 390
Y2_QV01_1
QY412 2SA1576A
RY405 1k
GND
RY426 1.5k
RY418 270
RY425 270
CY418 50V CH68pF
CY412 50V CH68pF
QY403 2SC4081
RY417 330
RY419 330
CY416 50V CH150pF
CY413 50V CH15pF1
QY402 2SC4081
CY417 6.3VB0.1uF
RY427 1.2k
QY409 2SC4081
RY412 470
C2
RY414 100
Pb2_QV01_1
QY415 2SA1576A
RY429 820
RY428 100
QY404 2SA1576A
RY416 680
RY423 1.2k
CB2_2
RY415 1.5k
RY410 270
RY431 270
CY409 50V CH68pF
CY403 50V CH68pF
QY405 2SC4081
RY413 330
RY422 330
CY404 50V CH150pF
CY406 50V CH15pF
QY408 2SC4081
CY414 6.3VB0.1uF
CR2_2
RY421 100
Pr2_QV01_1
QY418 2SA1576A
RY420 820
RY430 680
34JH9UH
SUB FILTER (1/2)
SHEET-1/2
SH. NO.
20



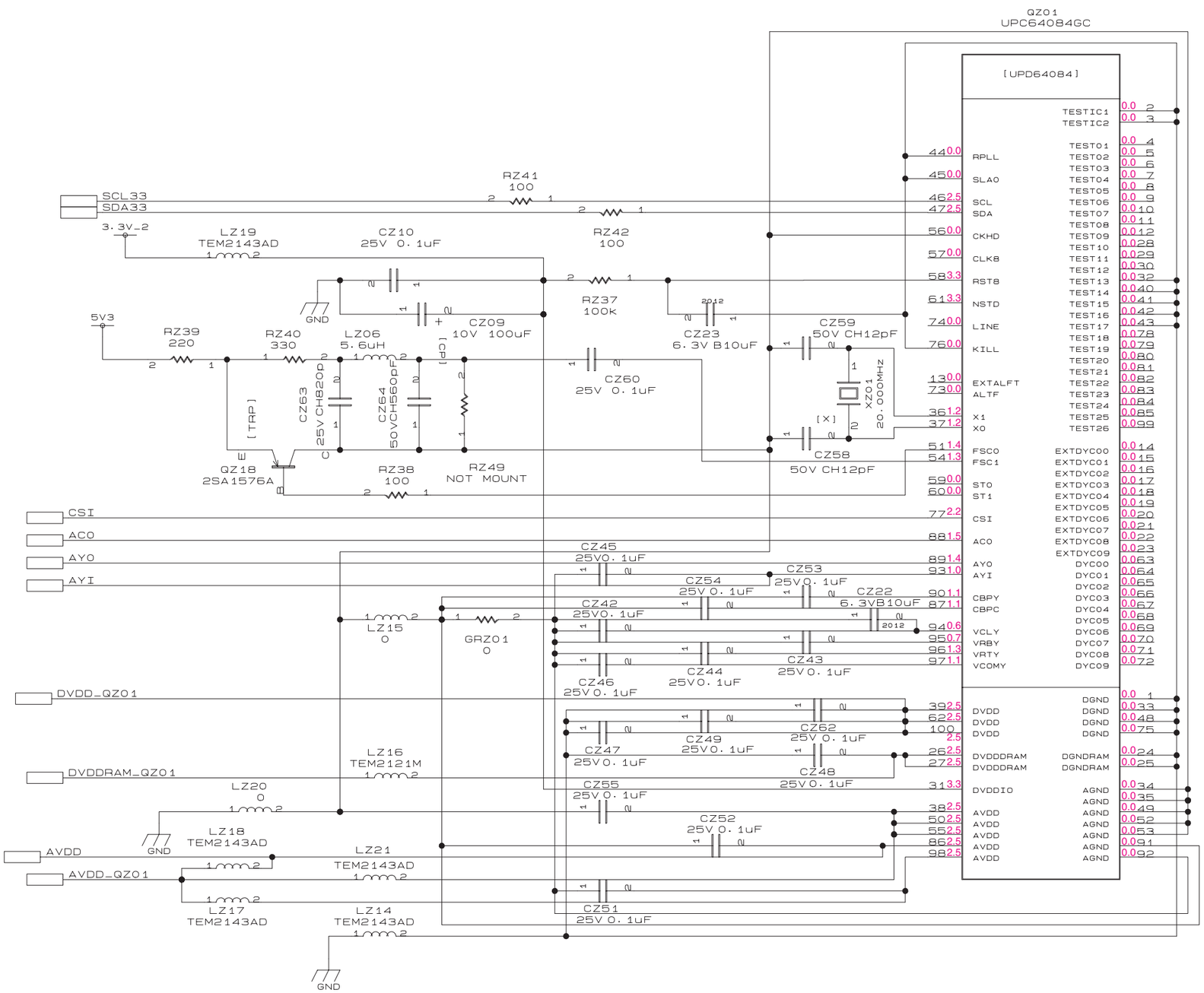

34JH9UH
SUB FILTER (2/2)
SHEET-2/2

SH. NO.
21



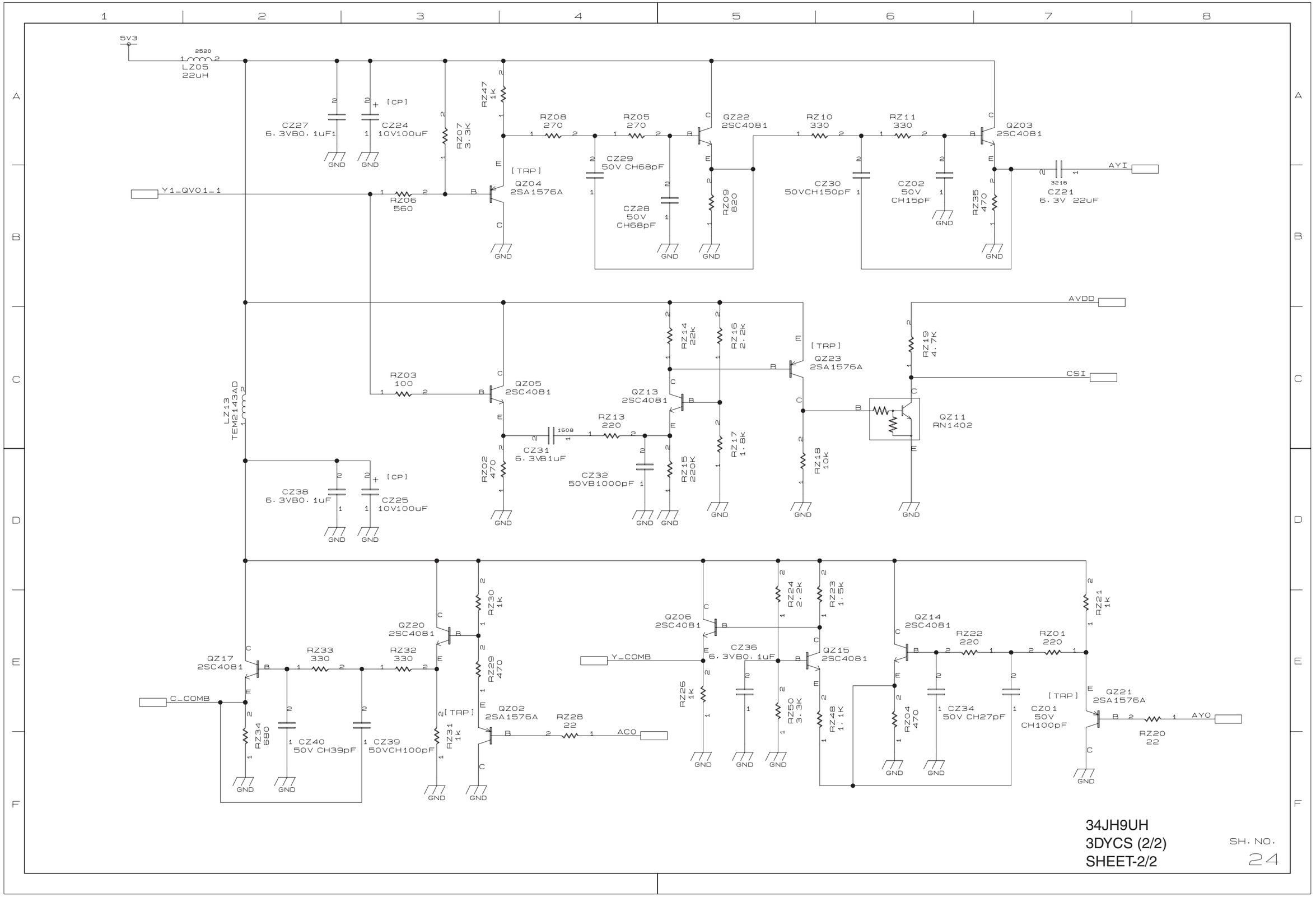

34JH9UH
3DYCS-REG

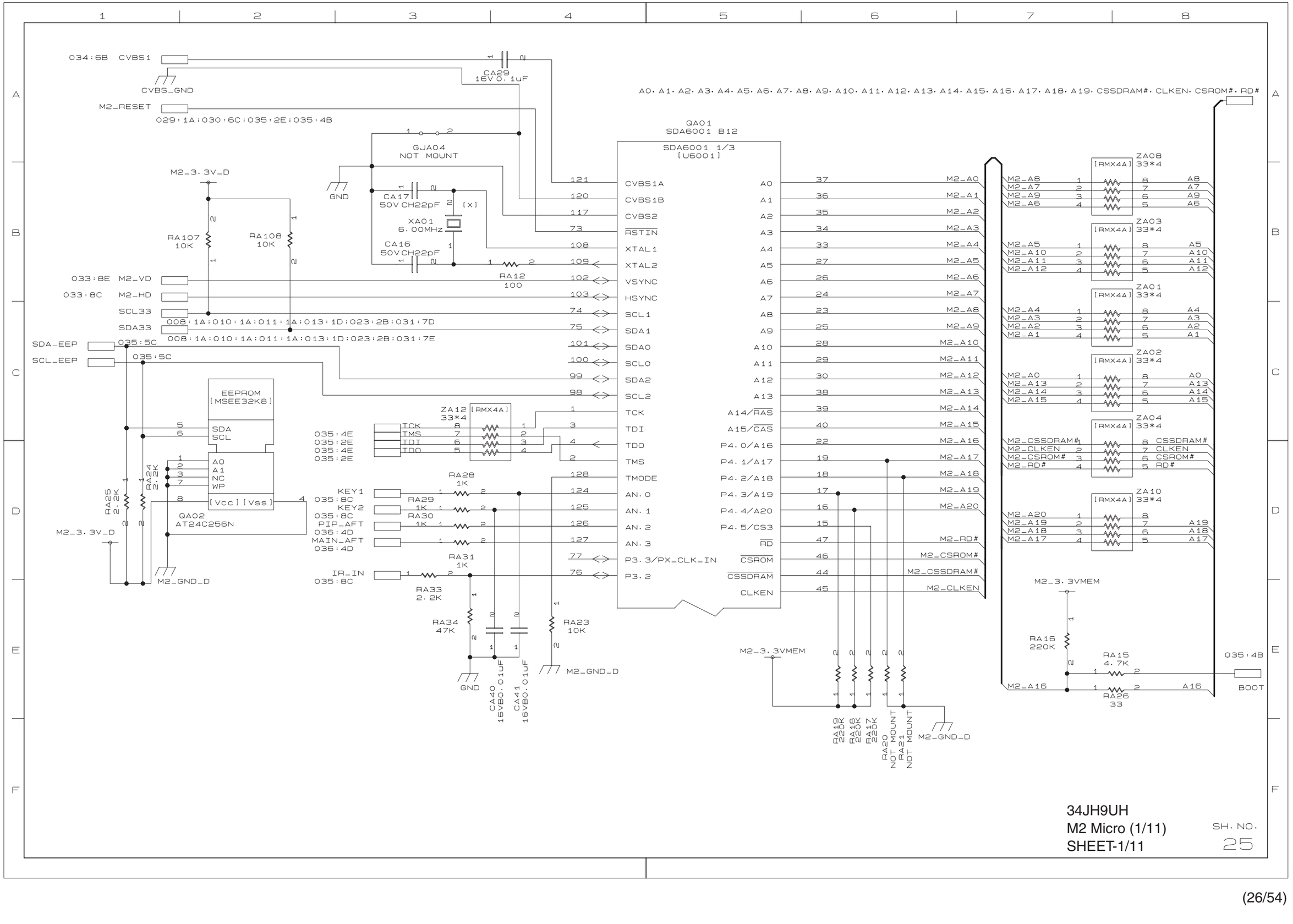
SH. NO.
22

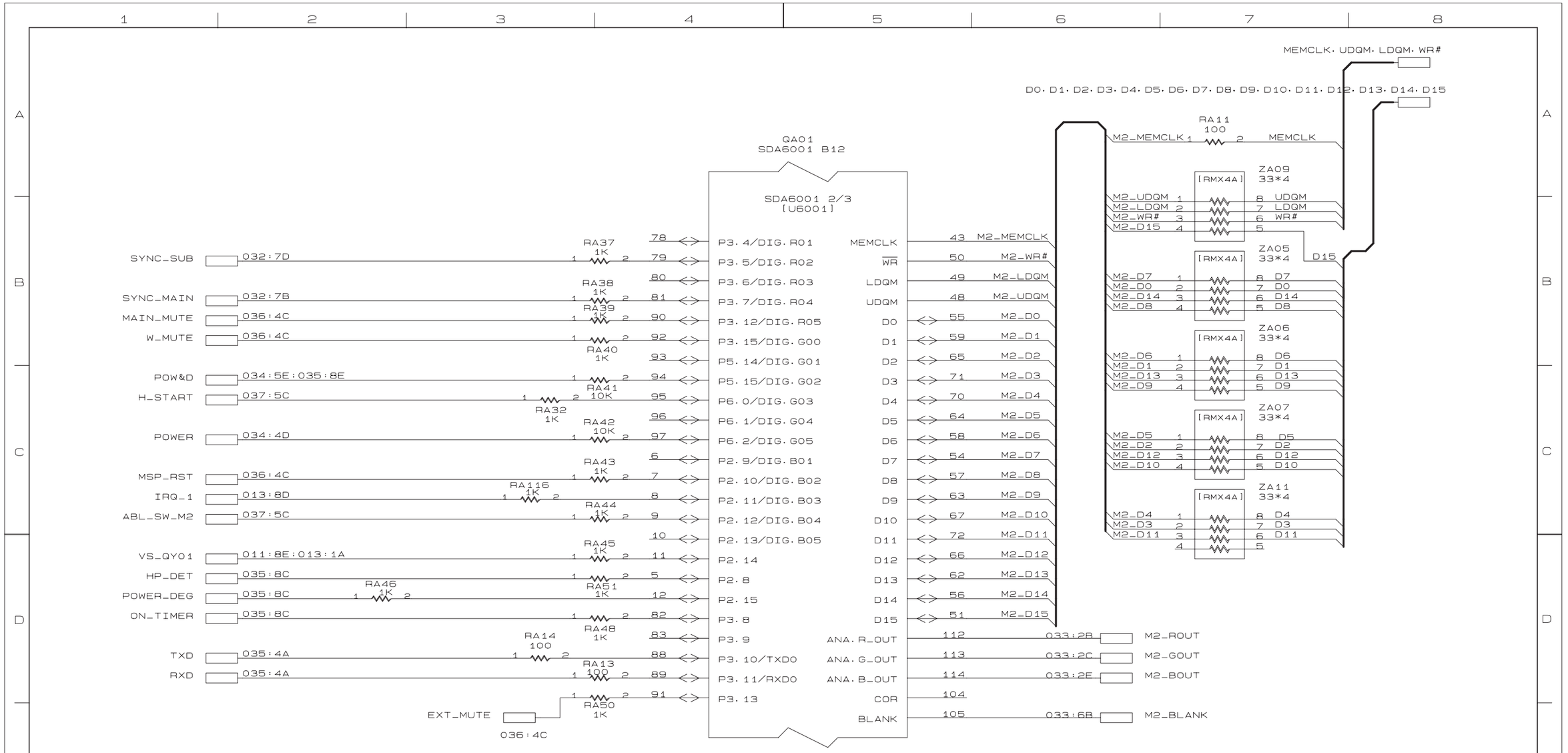



34JH9UH
3DYCS (1/2)
SHEET-1/2

SH. NO.
23

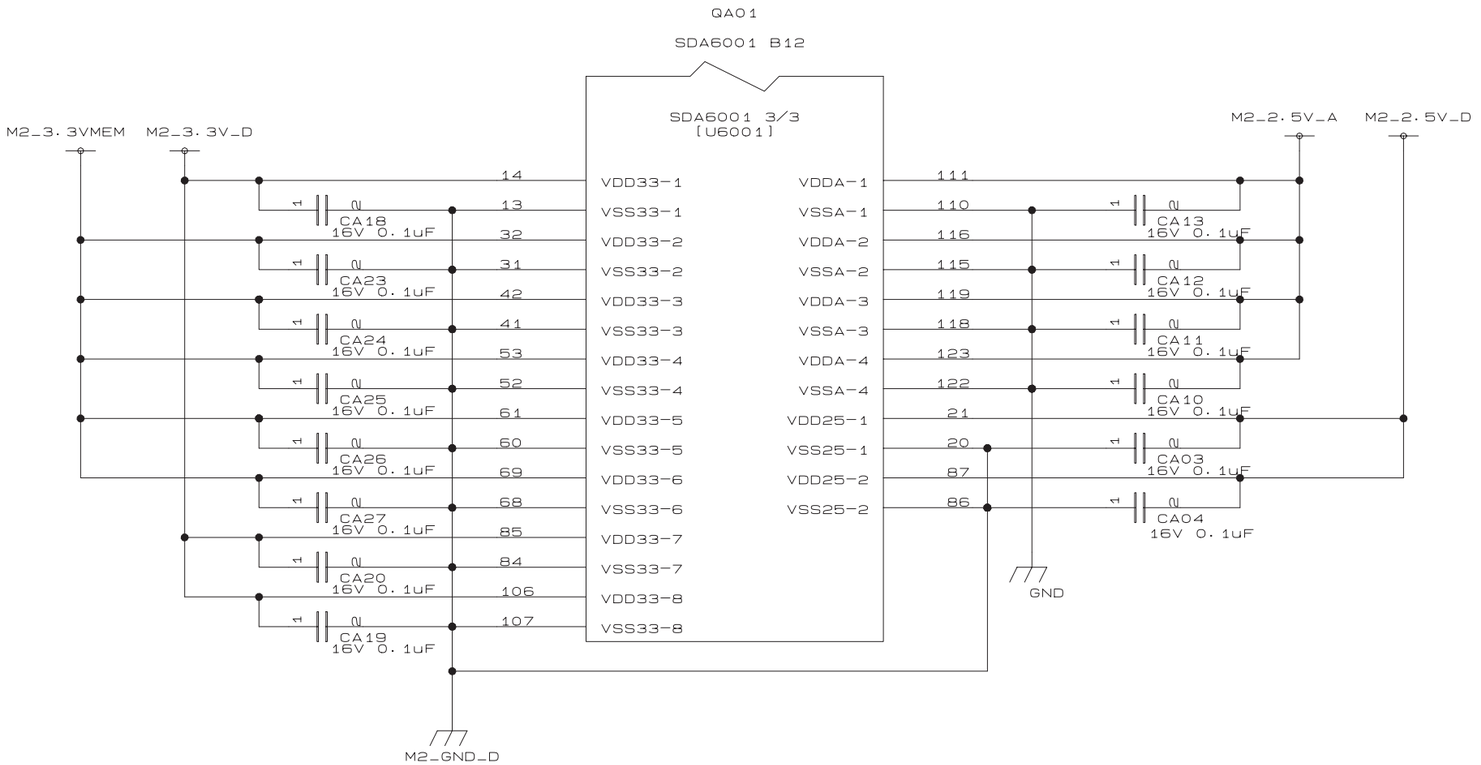

5V3
LZ05
22uH
CZ27
6.3VB0.1uF
CZ24
10V100uF
[CP]
RZ07
3.3K
RZ47
1K
RZ08
270
RZ05
270
QZ22
2SC4081
RZ10
330
RZ11
330
QZ03
2SC4081
AYI
CZ29
50V CH68pF
CZ28
50V
CH68pF
RZ09
820
CZ30
50VCH150pF
CZ02
50V
CH15pF
RZ35
470
CZ21
6.3V 22uF
[TRP]
QZ04
2SA1576A
Y1_QVO1_1
RZ06
560
GND
AVDD
RZ14
22K
RZ16
2.2K
[TRP]
QZ23
2SA1576A
RZ19
4.7K
CSI
RZ03
100
QZ05
2SC4081
QZ13
2SC4081
QZ11
RN1402
LZ13
TEM2143AD
RZ13
220
CZ31
6.3VB1uF
RZ02
470
CZ32
50VB1000pF
RZ15
220K
RZ17
1.8K
RZ18
10K
CZ38
6.3VB0.1uF
CZ25
10V100uF
RZ30
1K
QZ20
2SC4081
RZ24
2.2K
RZ23
1.5K
QZ06
2SC4081
QZ14
2SC4081
RZ21
1K
QZ17
2SC4081
RZ33
330
RZ32
330
RZ29
470
CZ36
6.3VB0.1uF
QZ15
2SC4081
RZ22
220
RZ01
220
Y_COMB
C_COMB
RZ34
680
CZ40
50V CH39pF
CZ39
50VCH100pF
RZ31
1K
QZ02
2SA1576A
RZ28
22
ACO
RZ26
1K
RZ50
3.3K
RZ48
1.1K
RZ04
470
CZ34
50V CH27pF
CZ01
50V
CH100pF
QZ21
2SA1576A
AYO
RZ20
22
34JH9UH
3DYCS (2/2)
SHEET-2/2
SH. NO.
24


034:6B CVBS1
CVBS_GND
CA29 16V 0.1uF
M2_RESET
029:1A:030:6C:035:2E:035:4B
GJA04 NOT MOUNT
M2_3.3V_D
GND
CA17 50V CH22pF [X]
XA01 6.00MHz
CA16 50V CH22pF
RA107 10K
RA108 10K
RA12 100
033:8E M2_VD
033:8C M2_HD
SCL33
SDA33
008:1A:010:1A:011:1A:013:1D:023:2B:031:7D
008:1A:010:1A:011:1A:013:1D:023:2B:031:7E
SDA_EEP
SCL_EEP
035:5C
035:5C
EEPROM [MSEE32K8]
SDA
SCL
A0
A1
NC
WP
[Vcc] [Vss]
QA02 AT24C256N
RA25 2.2K
RA24 2.2K
M2_3.3V_D
M2_GND_D
ZA12 33*4 [RMX4A]
TCK
TMS
TDI
TDO
035:4E
035:2E
035:4E
035:2E
KEY1
035:8C
KEY2
035:8C
PIP_AFT
036:4D
MAIN_AFT
036:4D
IR_IN
035:8C
RA28 1K
RA29 1K
RA30 1K
RA31 1K
RA33 2.2K
RA34 47K
RA23 10K
CA40 16VB0.01uF
CA41 16VB0.01uF
GND
M2_GND_D
QA01
SDA6001 B12
SDA6001 1/3
[U6001]
121 CVBS1A
120 CVBS1B
117 CVBS2
73 RSTIN
108 XTAL1
109 XTAL2
102 VSYNC
103 HSYNC
74 SCL1
75 SDA1
101 SDAO
100 SCLO
99 SDA2
98 SCL2
1 TCK
3 TDI
4 TDO
2 TMS
128 TMODE
124 AN.0
125 AN.1
126 AN.2
127 AN.3
77 P3.3/PX_CLK_IN
76 P3.2
A0. A1. A2. A3. A4. A5. A6. A7. A8. A9. A10. A11. A12. A13. A14. A15. A16. A17. A18. A19. CSSDRAM#. CLKEN. CSROM#. RD#
37 A0 M2_A0
36 A1 M2_A1
35 A2 M2_A2
34 A3 M2_A3
33 A4 M2_A4
27 A5 M2_A5
26 A6 M2_A6
24 A7 M2_A7
23 A8 M2_A8
25 A9 M2_A9
28 A10 M2_A10
29 A11 M2_A11
30 A12 M2_A12
38 A13 M2_A13
39 A14/RAS M2_A14
40 A15/CAS M2_A15
22 P4.0/A16 M2_A16
19 P4.1/A17 M2_A17
18 P4.2/A18 M2_A18
17 P4.3/A19 M2_A19
16 P4.4/A20 M2_A20
15 P4.5/CS3
47 RD M2_RD#
46 CSROM M2_CSROM#
44 CSSDRAM M2_CSSDRAM#
45 CLKEN M2_CLKEN
M2_3.3VMEM
RA19 22K
RA18 22K
RA17 22K
RA20 NOT MOUNT
RA21 NOT MOUNT
M2_GND_D
ZA08 33*4 [RMX4A]
M2_A8 M2_A7 M2_A9 M2_A6
A8 A7 A9 A6
ZA03 33*4 [RMX4A]
M2_A5 M2_A10 M2_A11 M2_A12
A5 A10 A11 A12
ZA01 33*4 [RMX4A]
M2_A4 M2_A3 M2_A2 M2_A1
A4 A3 A2 A1
ZA02 33*4 [RMX4A]
M2_A0 M2_A13 M2_A14 M2_A15
A0 A13 A14 A15
ZA04 33*4 [RMX4A]
M2_CSSDRAM# M2_CLKEN M2_CSROM# M2_RD#
CSSDRAM# CLKEN CSROM# RD#
ZA10 33*4 [RMX4A]
M2_A20 M2_A19 M2_A18 M2_A17
A19 A18 A17
M2_3.3VMEM
RA16 220K
RA15 4.7K
RA26 33
M2_A16
035:4B
A16
BOOT
34JH9UH
M2 Micro (1/11)
SHEET-1/11
SH. NO.
25



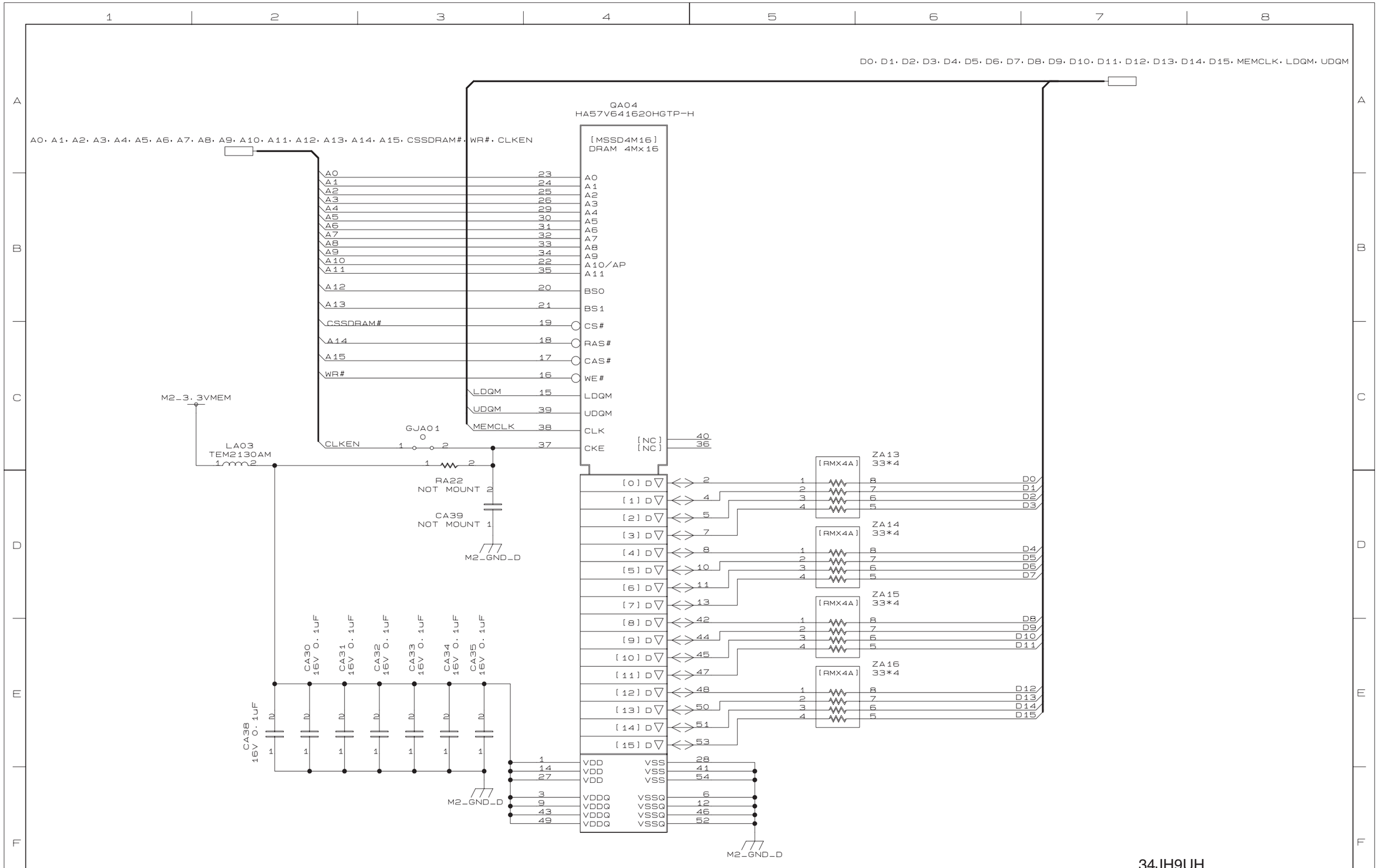

34JH9UH
M2 Micro (2/11)
SHEET-2/11

SH. NO.
26

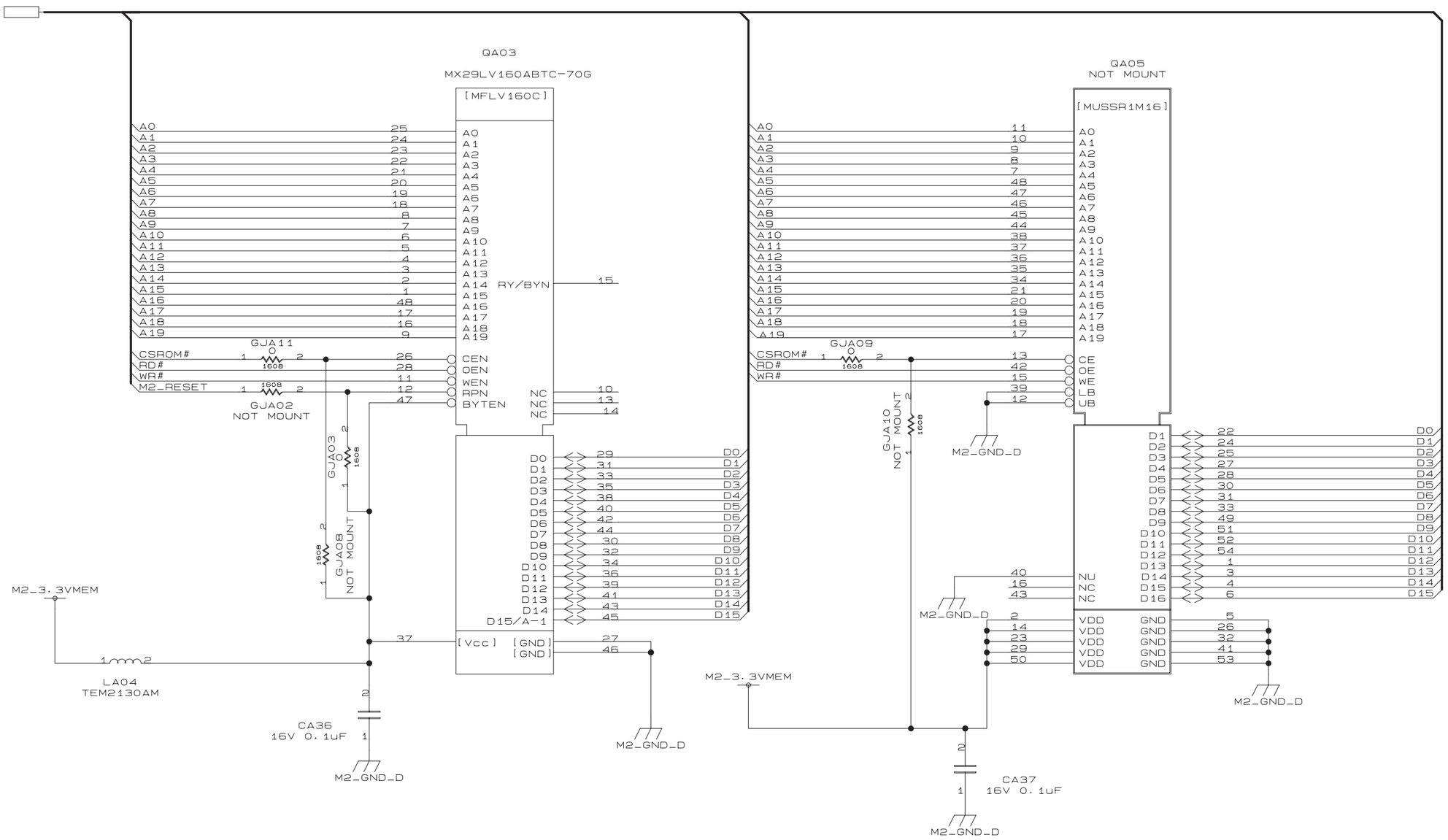



34JH9UH
M2 Micro (3/11)
SHEET-3/11

SH. NO.
27

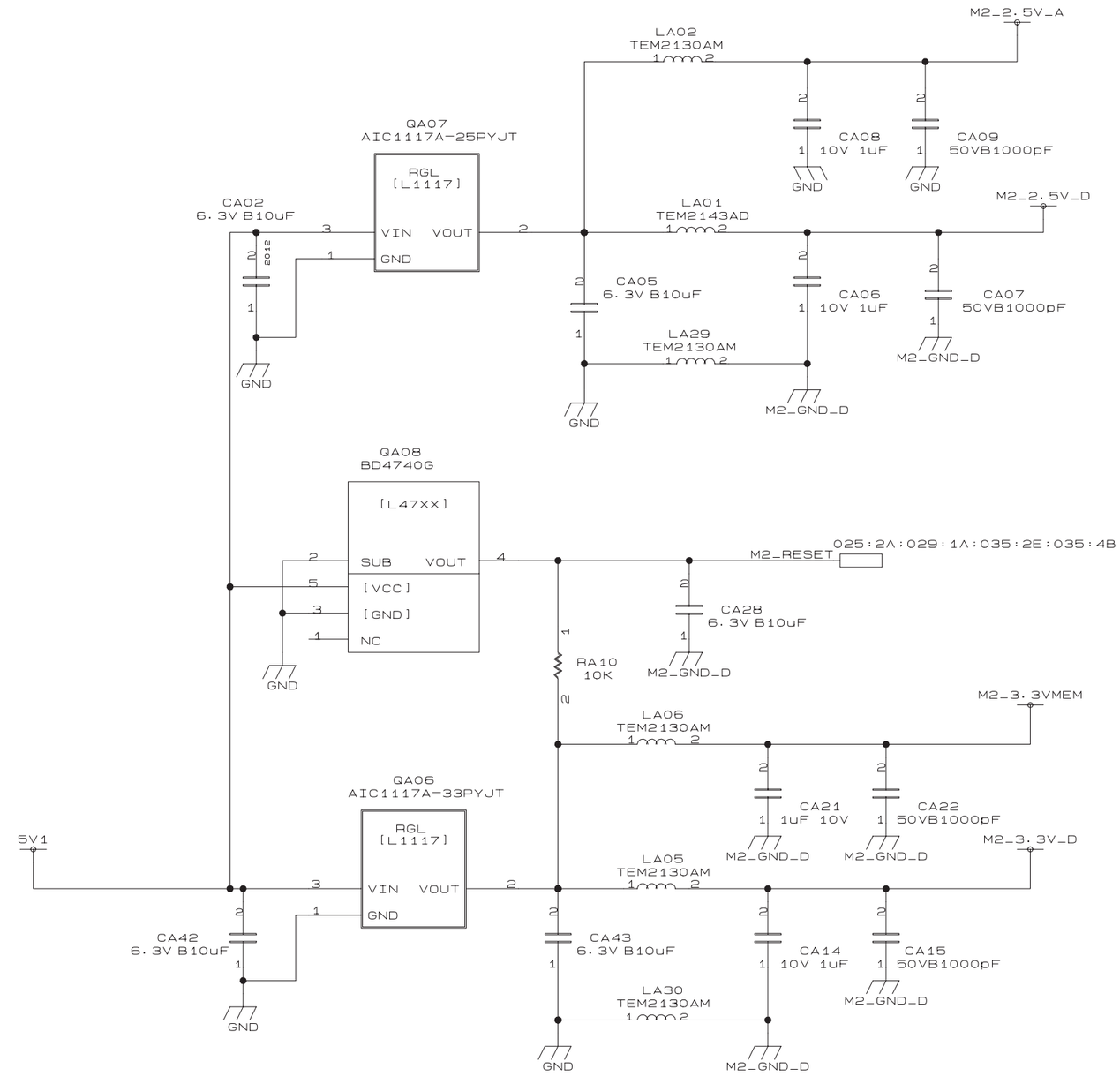

D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, MEMCLK, LDQM, UDQM
QA04
HA57V641620HGTP-H
[MSSD4M16]
DRAM 4Mx16
A0, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, CSSDRAM#, WR#, CLKEN
M2_3.3VMEM
GJA01
LA03
TEM2130AM
RA22
NOT MOUNT
CA39
NOT MOUNT
M2_GND_D
CA30 16V 0.1uF
CA31 16V 0.1uF
CA32 16V 0.1uF
CA33 16V 0.1uF
CA34 16V 0.1uF
CA35 16V 0.1uF
CA38 16V 0.1uF
ZA13 33*4
ZA14 33*4
ZA15 33*4
ZA16 33*4
[RMX4A]
[NC]
VDD
VSS
VDDQ
VSSQ
34JH9UH
M2 Micro (4/11)
SHEET-4/11
SH. NO.
28

A0, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, CSROM#, D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, RD#, M2_RESET, WR#



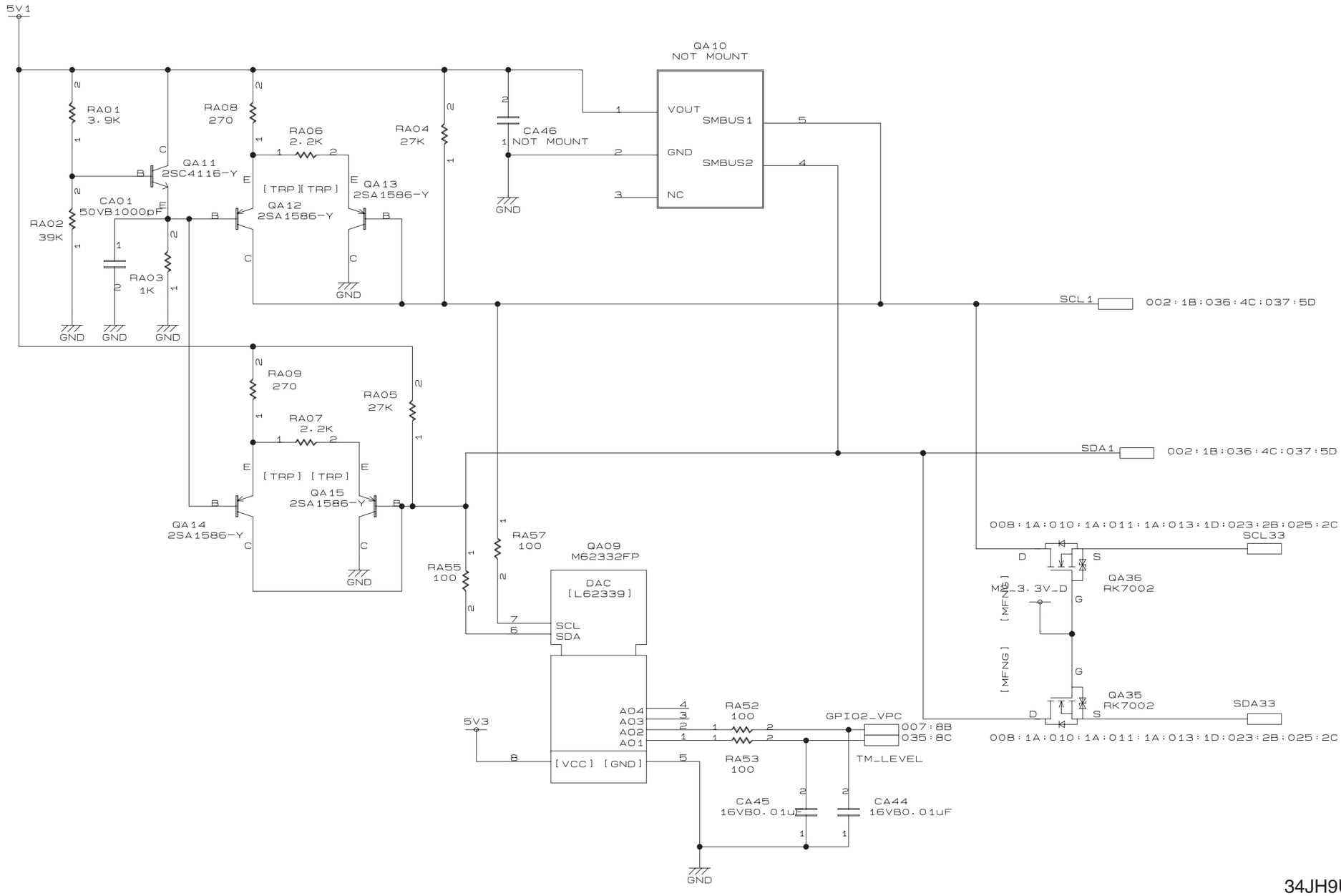

34JH9UH
M2 Micro (5/11)
SHEET-5/11

SH. NO.
29



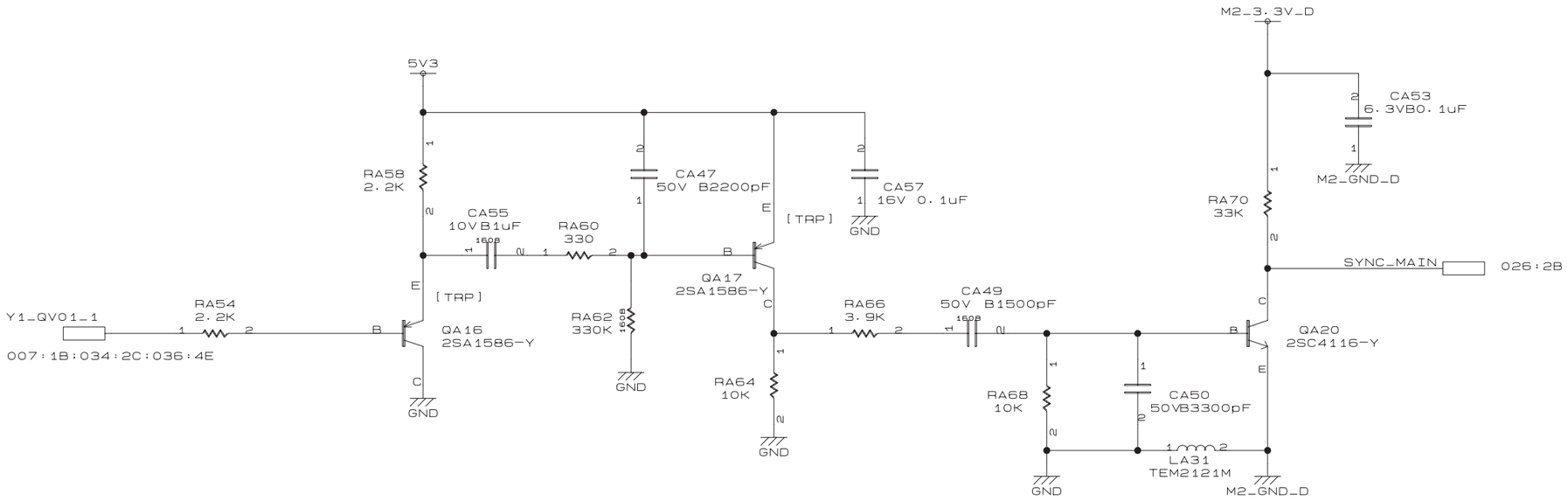

34JH9UH
M2 Micro (6/11)
SHEET-6/11

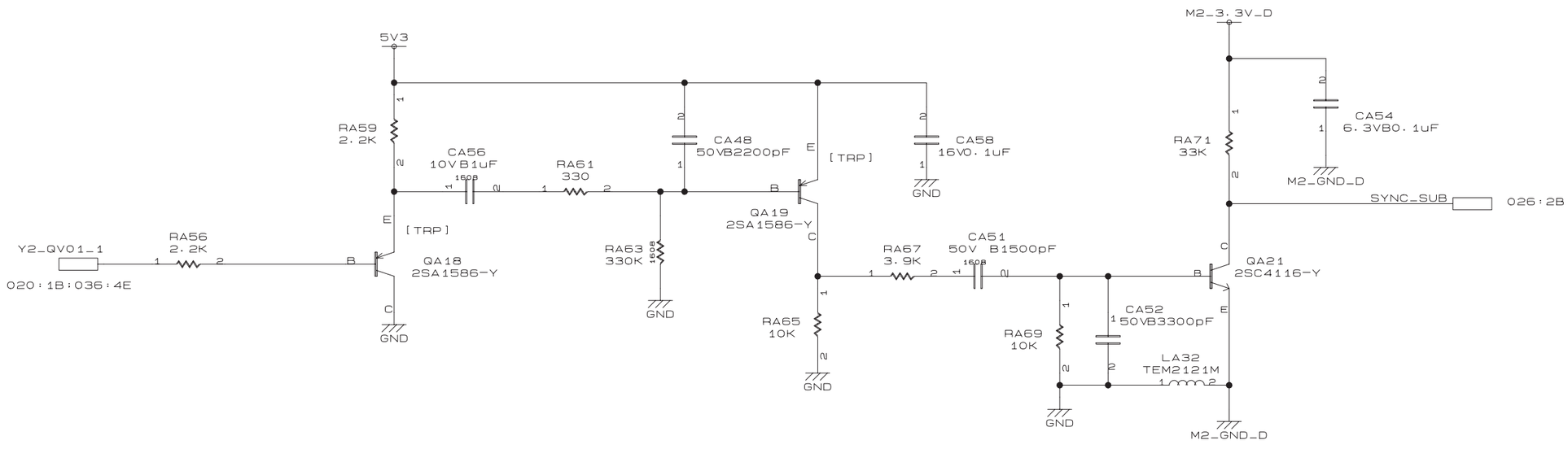
SH. NO.
30




34JH9UH
M2 Micro (7/11)
SHEET-7/11

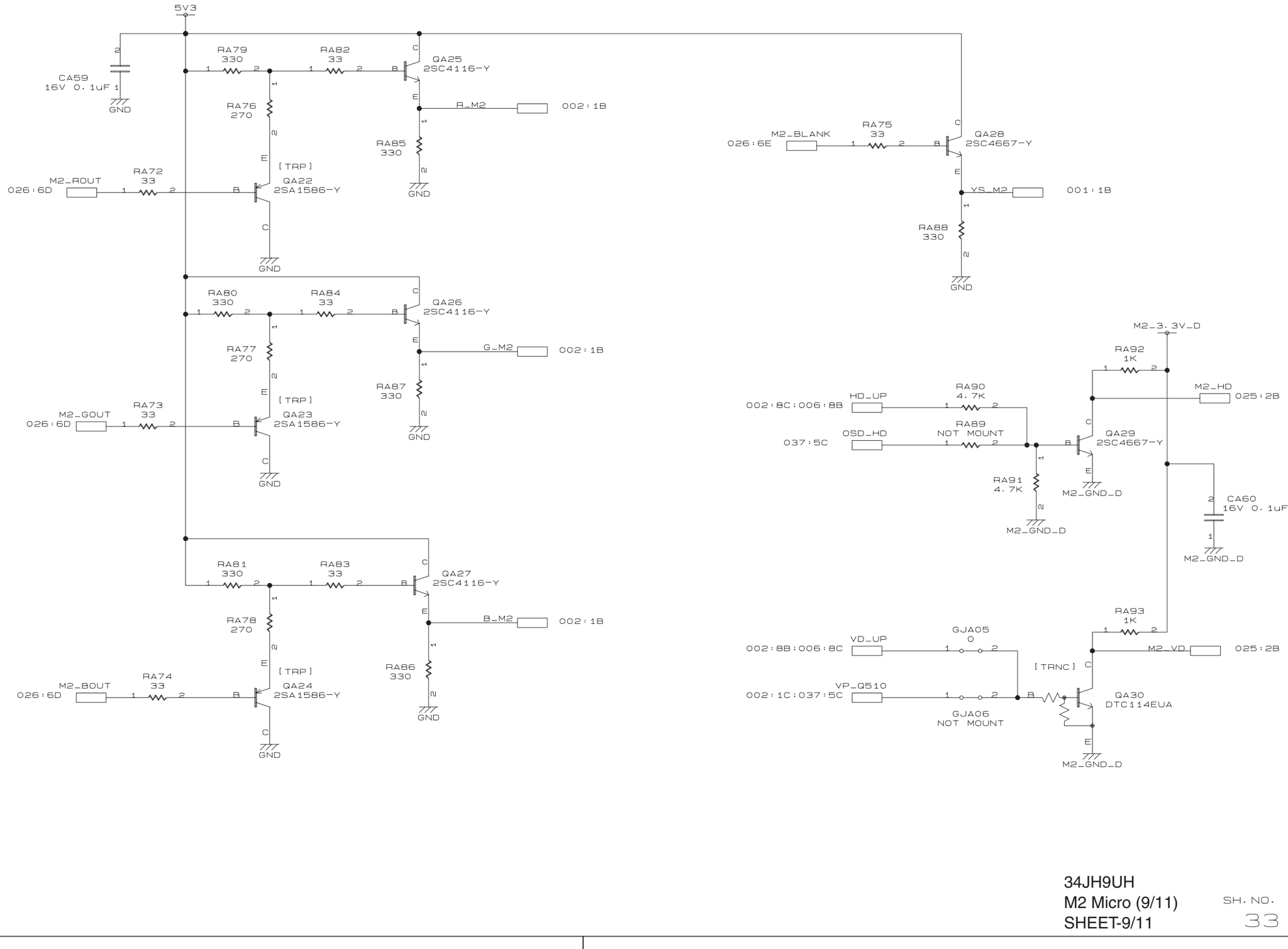
SH. NO.
31



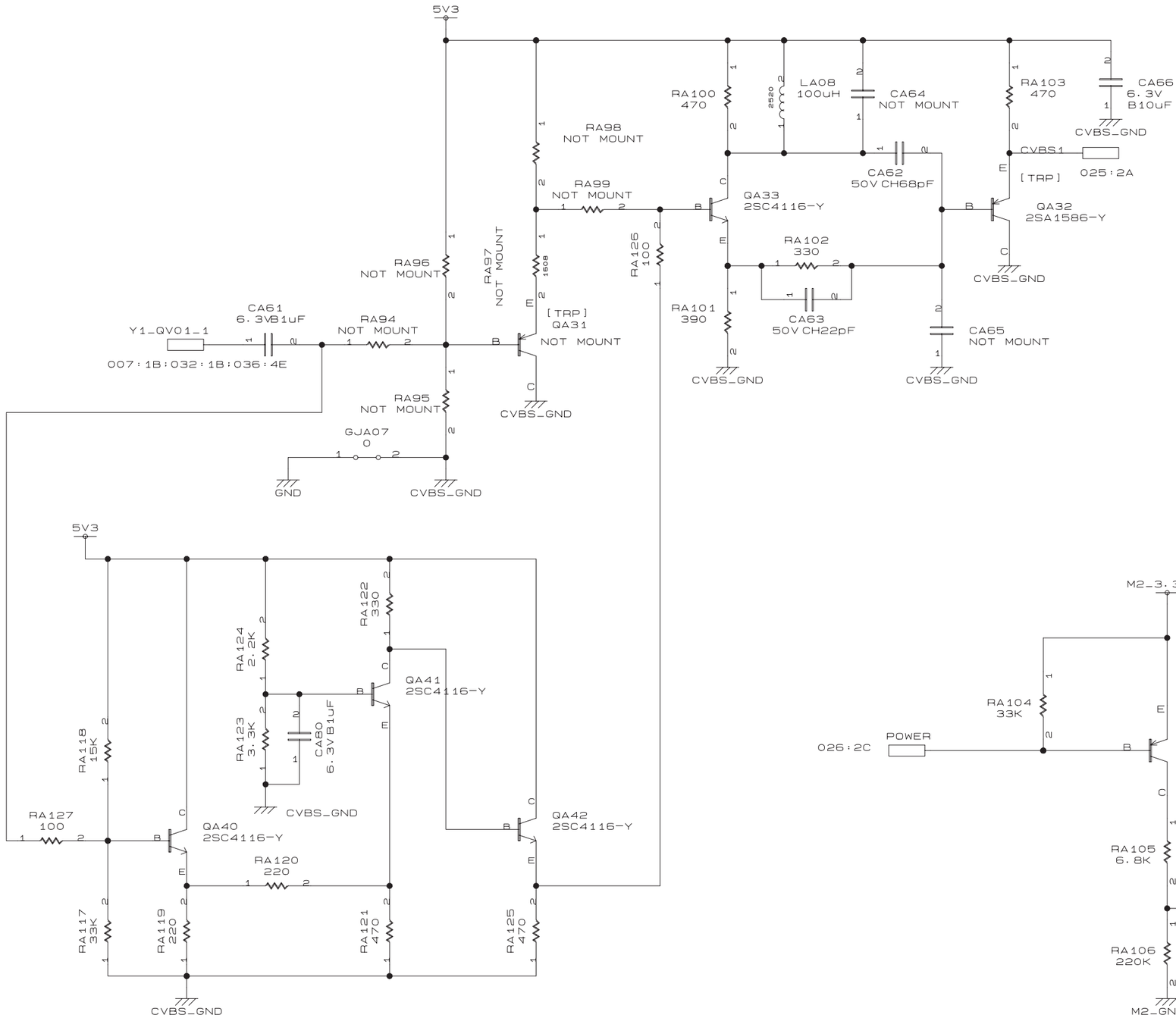

34JH9UH
M2 Micro (8/11)
SHEET-8/11

SH. NO.
32



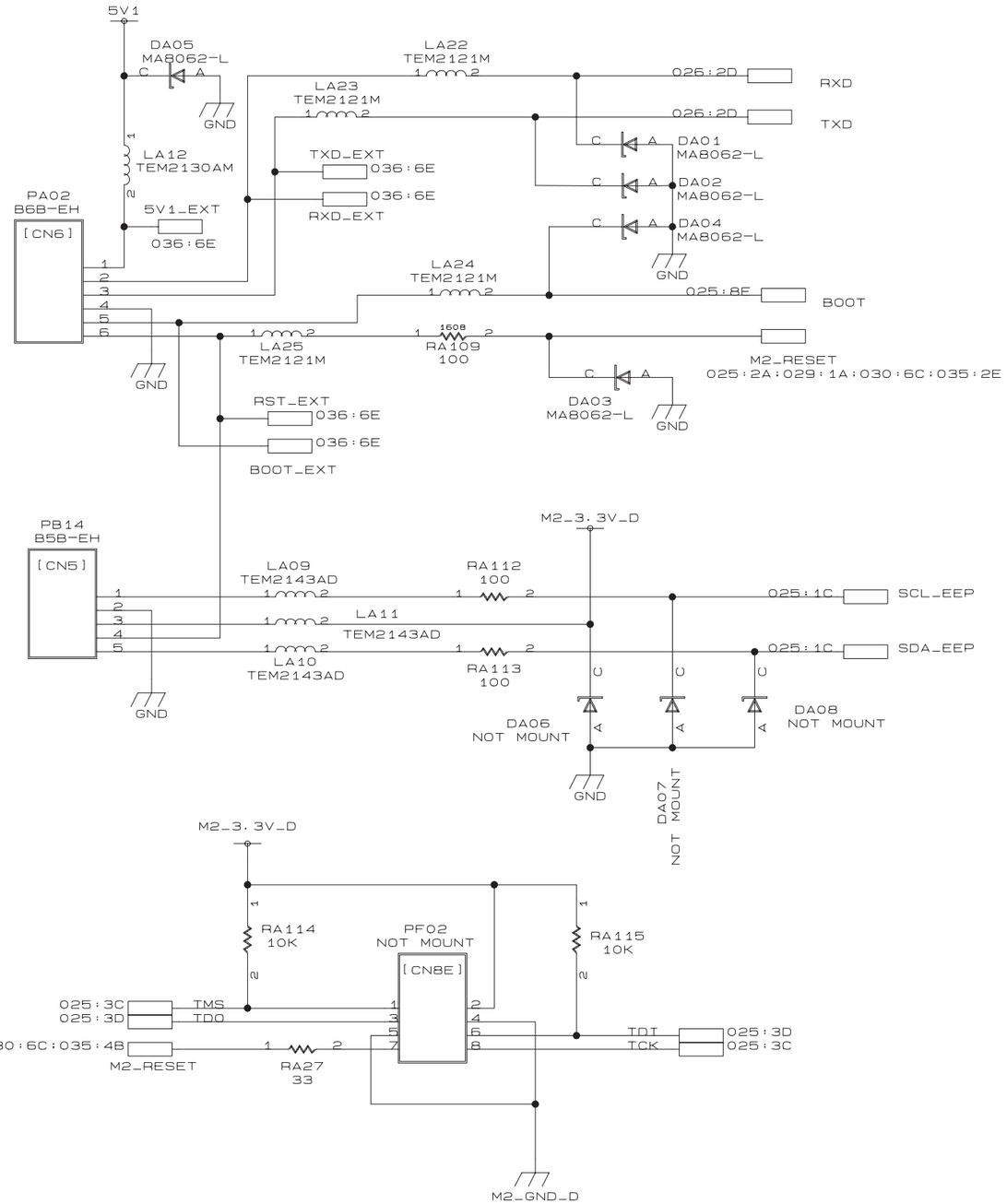

34JH9UH
M2 Micro (9/11)
SHEET-9/11

SH. NO.
33



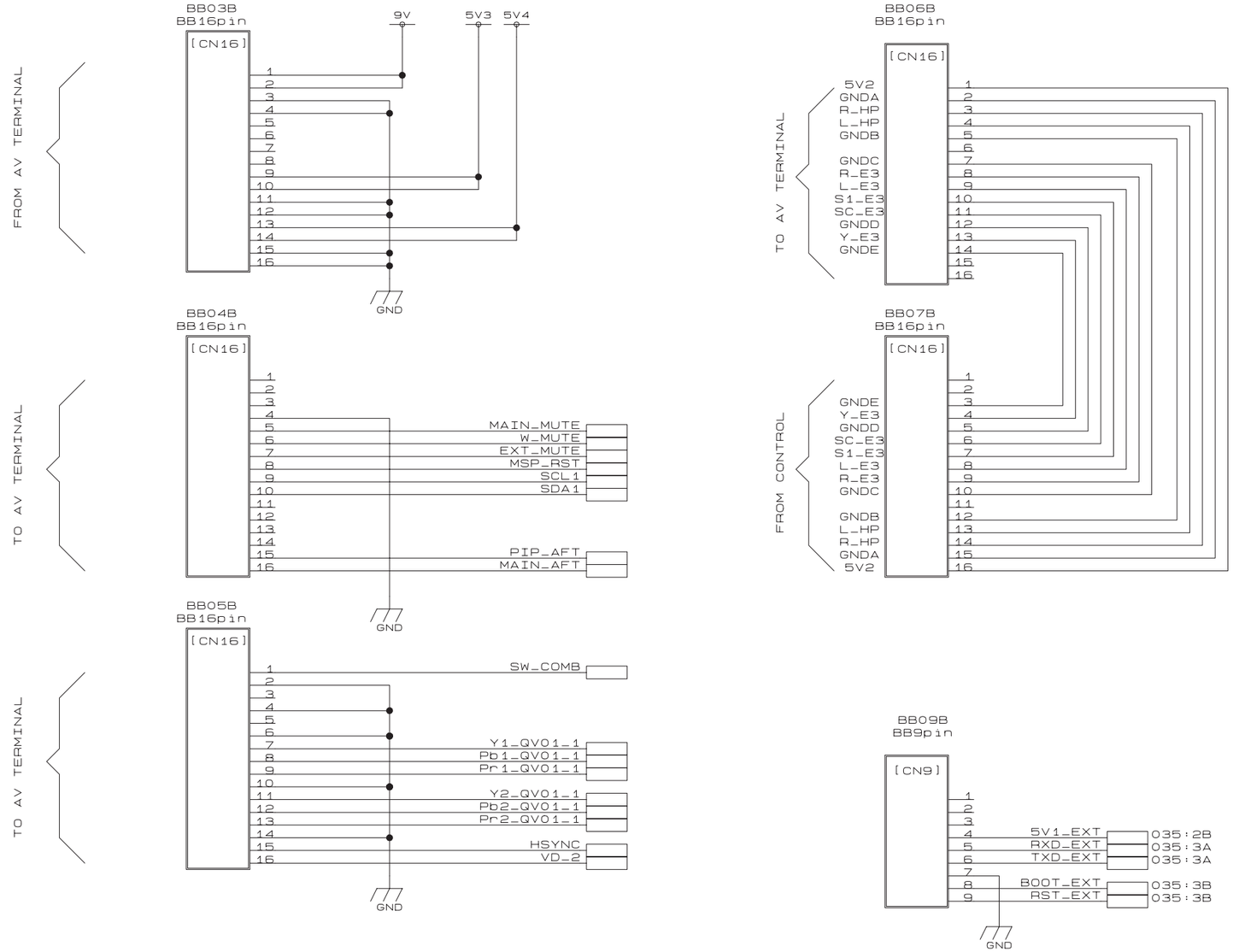

34JH9UH
M2 Micro (10/11)
SHEET-10/11

SH. NO.
34



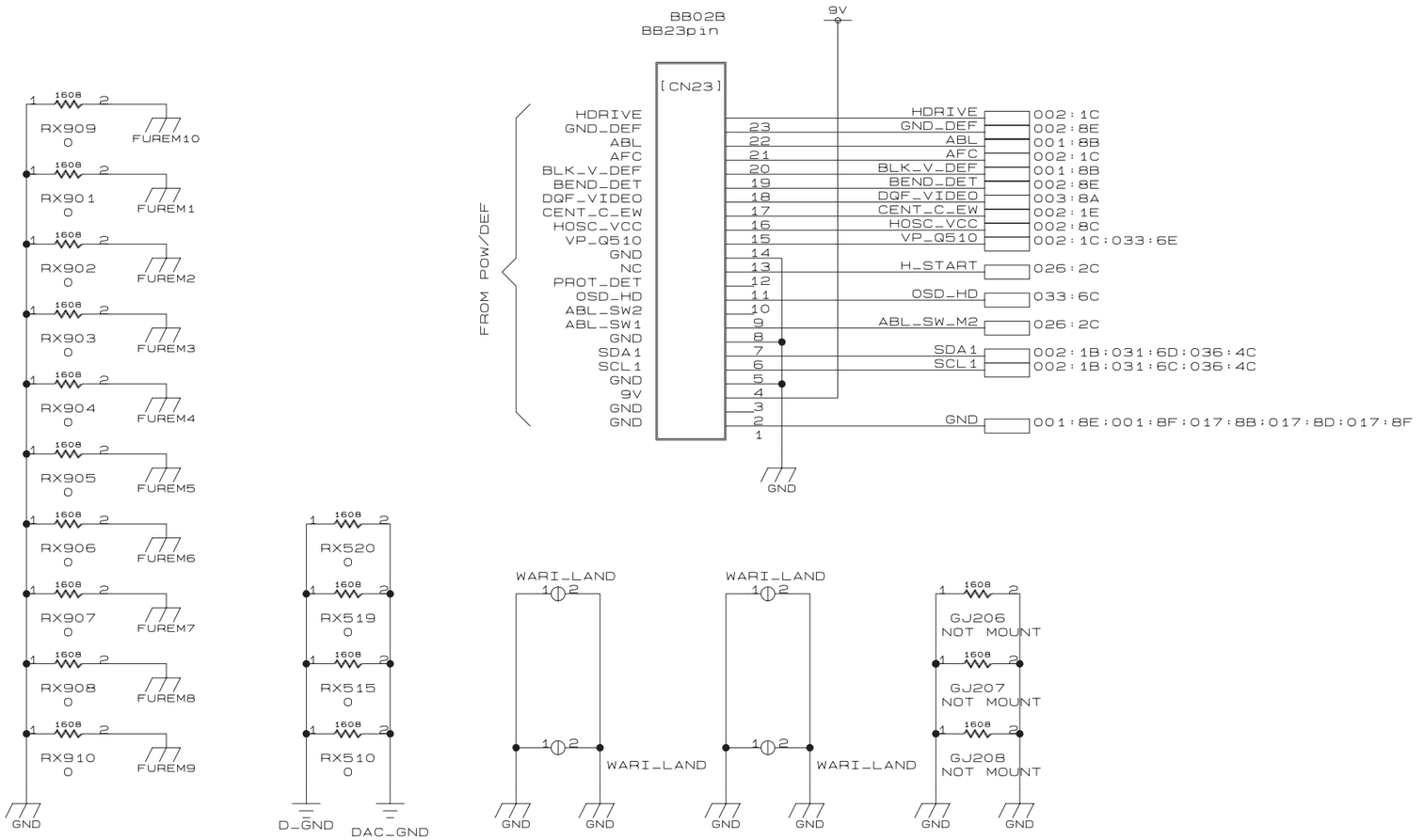

34JH9UH
M2 Micro (11/11)
SHEET-11/11

SH. NO.
35




34JH9UH
Connector (1/2)
SHEET-1/2

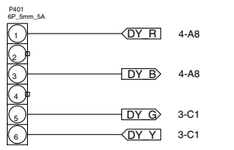
SH. NO.
36



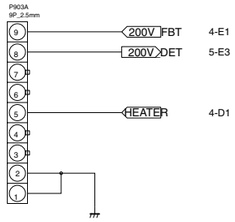

34JH9UH
Connector (2/2)
SHEET-2/2

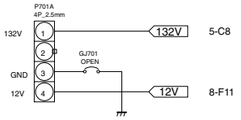
SH. NO.
37

## DY

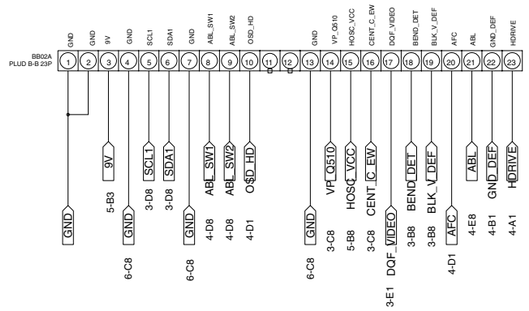



## CRT-D

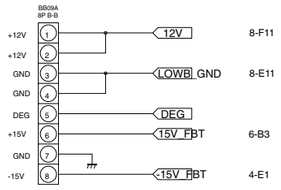


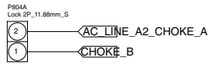

## H/S

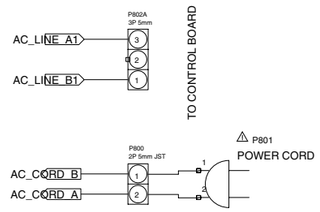


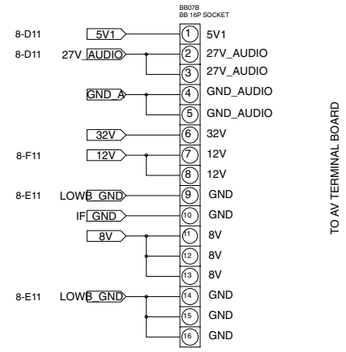

## CONTROL

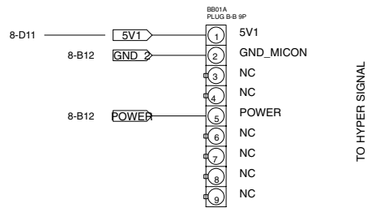


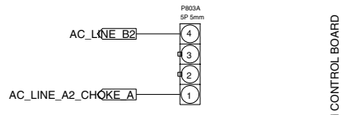

## TO CHOKE UNIT



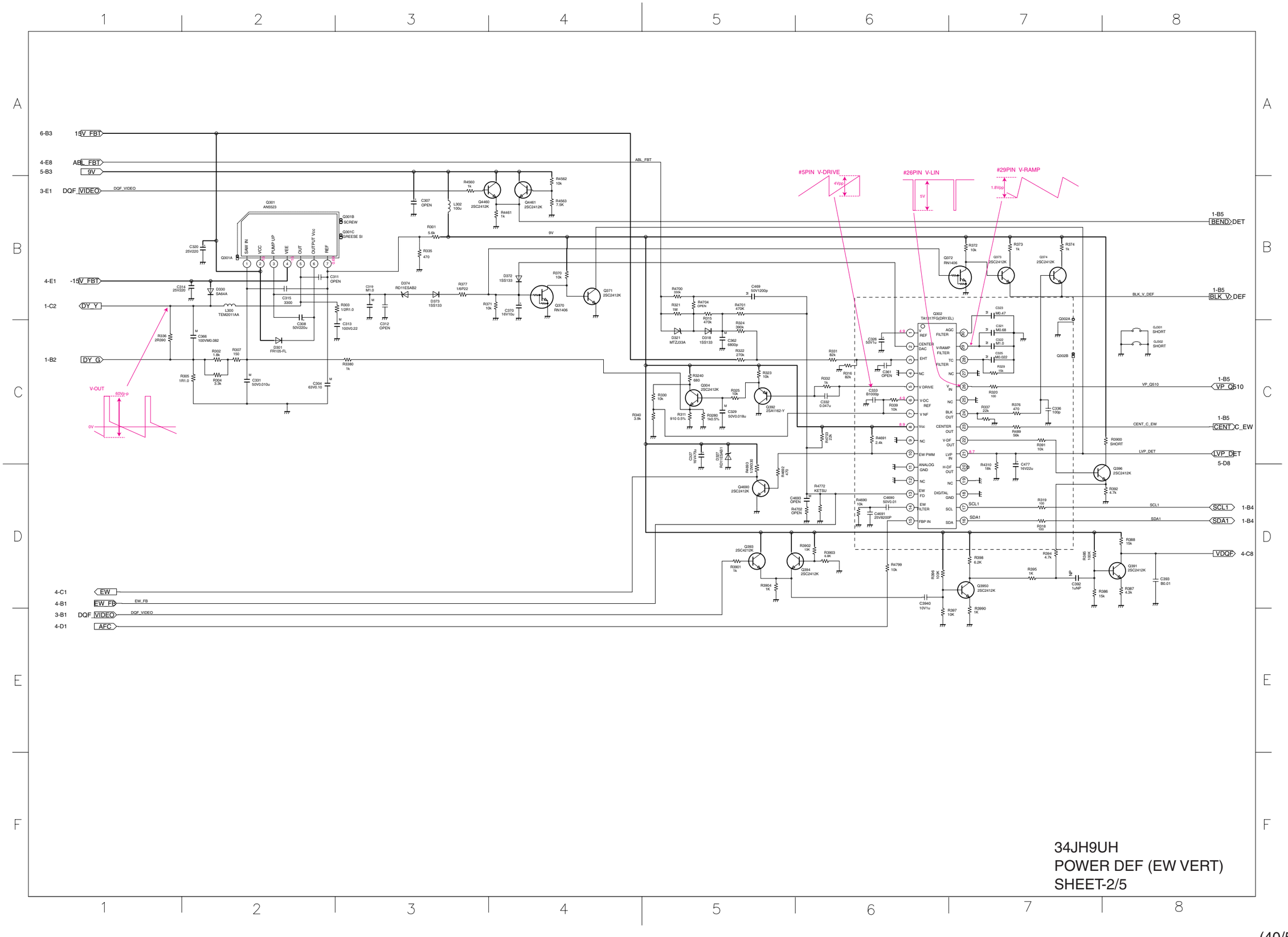



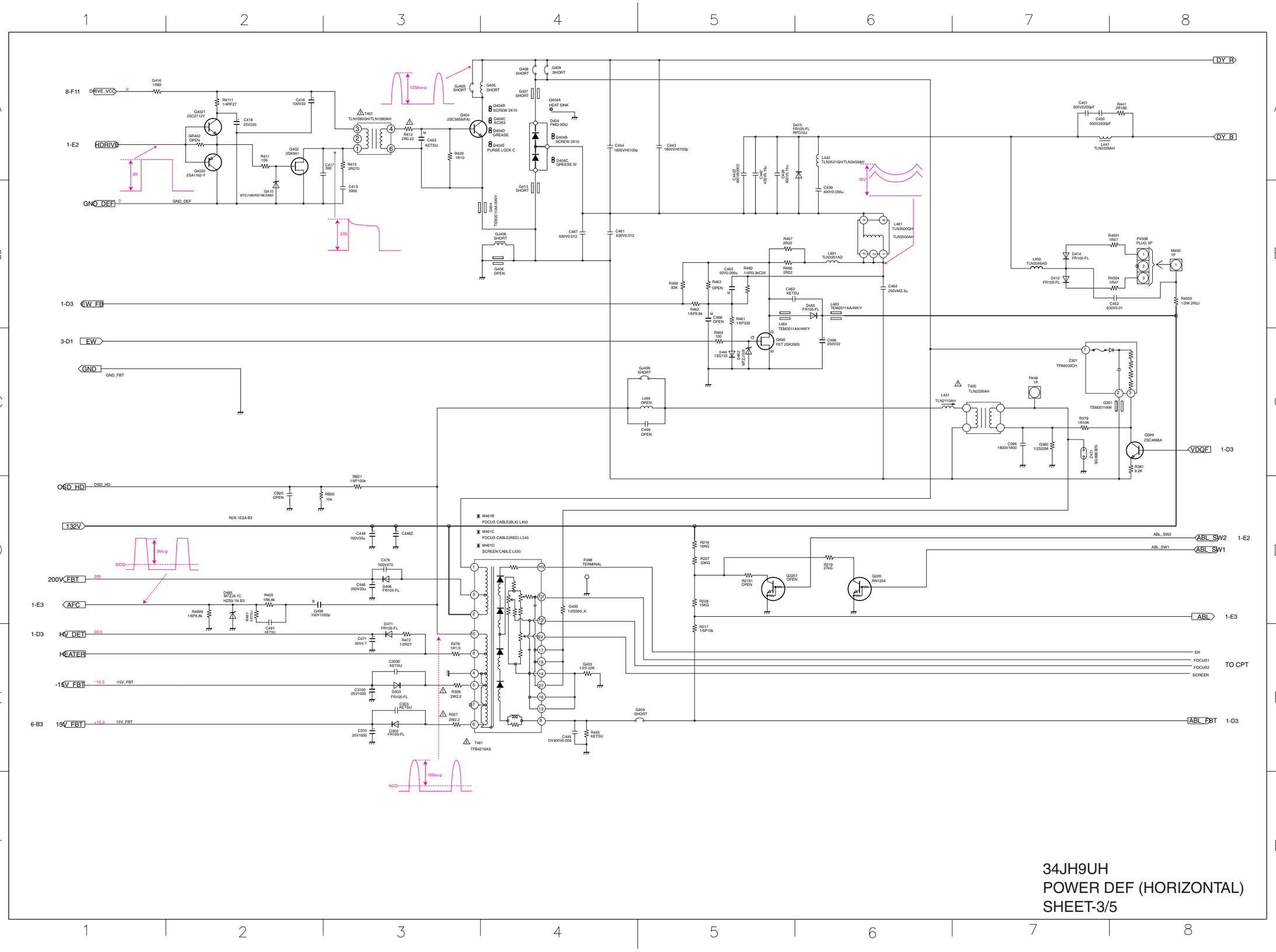



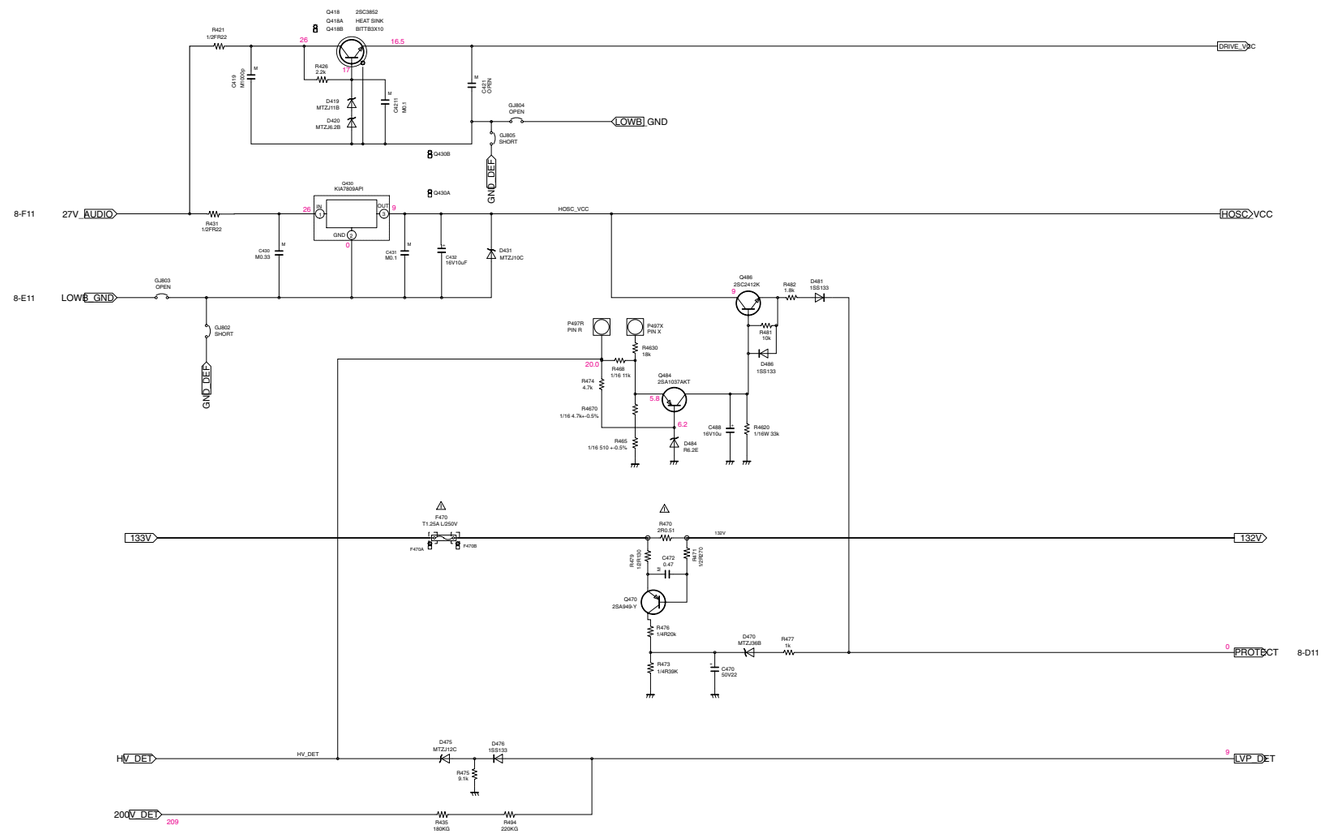




34JH9UH
POWER DEF (1/5)
SHEET-1/5


#5PIN V-DRIVE
4Vpp
#26PIN V-LIN
5V
#29PIN V-RAMP
1.8Vpp
6-B3 15V_FBT
4-E8 ABL_FBT
5-B3 9V
3-E1 DQF_VIDEO
4-E1 -15V_FBT
1-C2 DY_Y
1-B2 DY_G
V-OUT
60Vp-p
0V
4-C1 EW
4-B1 EW_FB
3-B1 DQF_VIDEO
4-D1 AFC
1-B5 BEND_DET
1-B5 BLK_V_DEF
1-B5 VP_Q510
1-B5 CENT_C_EW
LVP_DET 5-D8
SCL1 1-B4
SDA1 1-B4
VDDP 4-C8
Q302 TA1317FG(DRY,EL)
Q301 AN6523
Q4460 2SC2412K
Q4461 2SC2412K
Q4690 2SC2412K
Q304 2SC2412K
Q392 2SA1162-Y
Q371 2SC2412K
Q370 RN1406
Q372 RN1406
Q373 2SC2412K
Q374 2SC2412K
Q396 2SC2412K
Q393 2SC2412K
Q394 2SC2412K
Q3950 2SC2412K
Q391 2SC2412K
34JH9UH
POWER DEF (EW VERT)
SHEET-2/5




34JH9UH
POWER DEF (HORIZONTAL)
SHEET-3/5




34JH9UH
POWER DEF (PROTECT)
SHEET-4/5

COLD

HOT

COLD

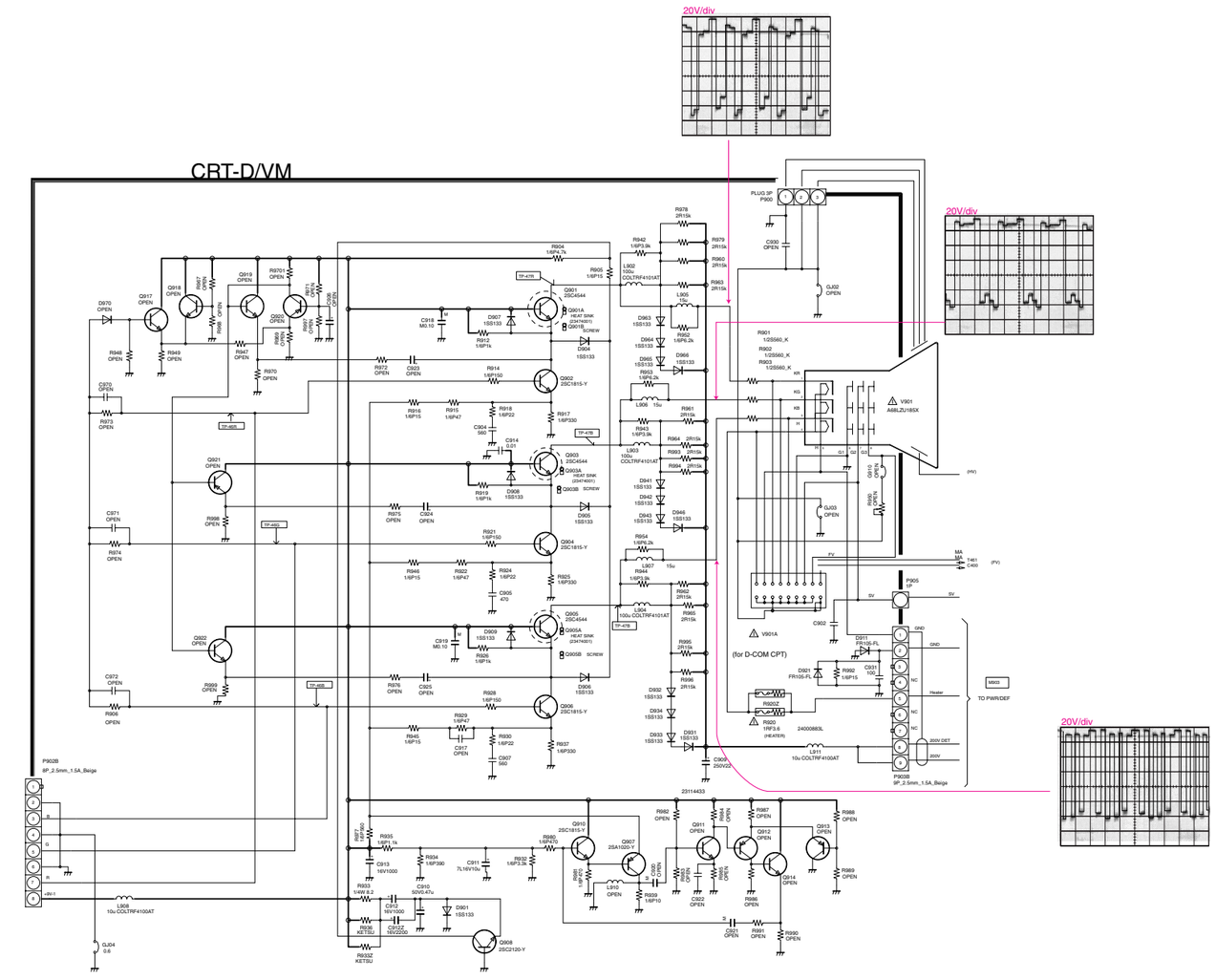
TO HYPER SIGNAL

FROM CONTROL BOARD

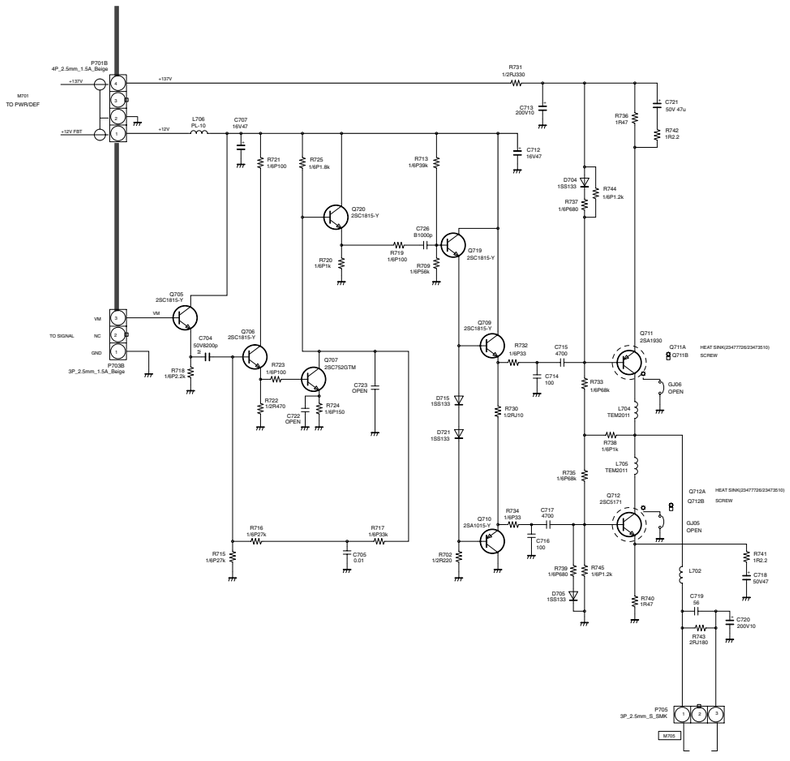
TO CHOKE UNIT

34JH9UH
POWER DEF (POWER)
SHEET-5/5

# CRT-D/VM

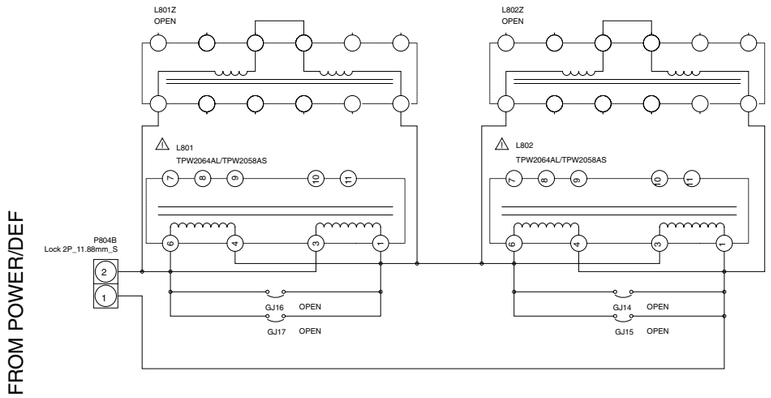



34JH9UH
CRT-D/SVM (1/2)
SHEET-1/2




34JH9UH
CRT-D/SVM (2/2)
SHEET-2/2

U901A




34JH9UH
CRT-D/SVM CHOKE COIL

FROM POW/DEF

TO HYPER SIGNAL

TO HYPER SIGNAL

TO HYPER SIGNAL

TO HYPER SIGNAL

TO HYPER SIGNAL

TO CONTROL BOARD

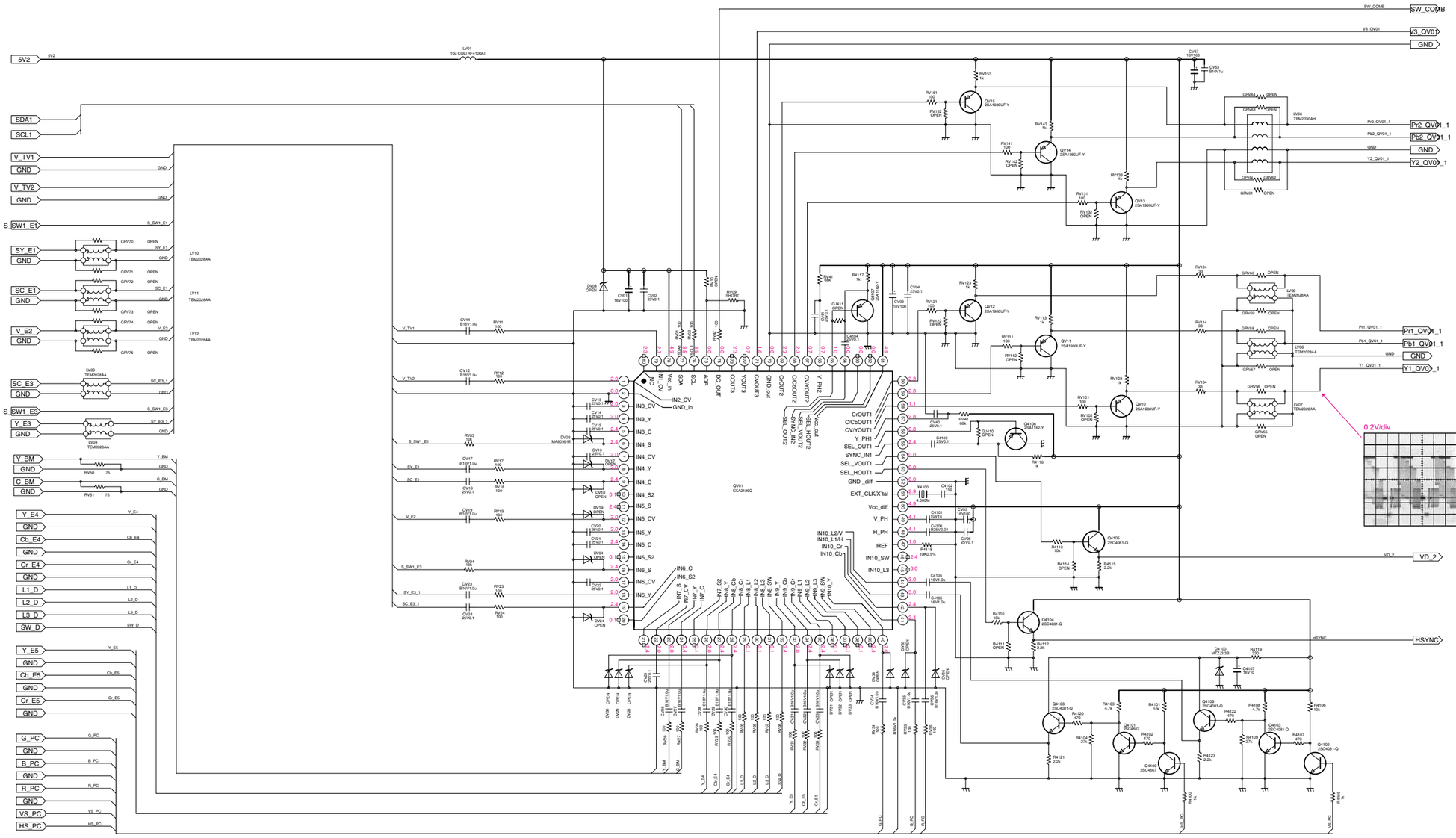
For Service

TO B/M MODULE

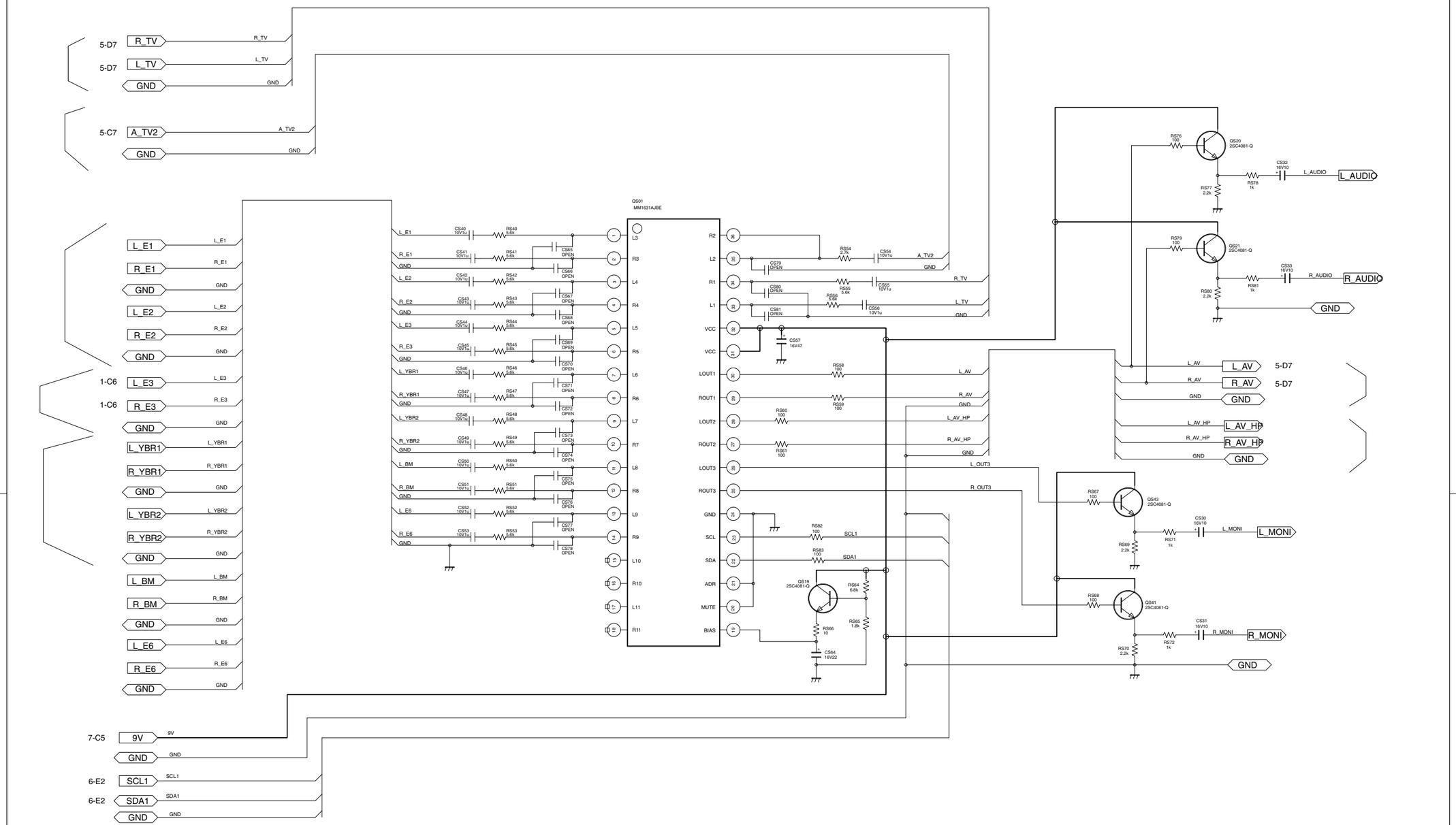
TO PC/D TERMINAL

TO PC/D TERMINAL

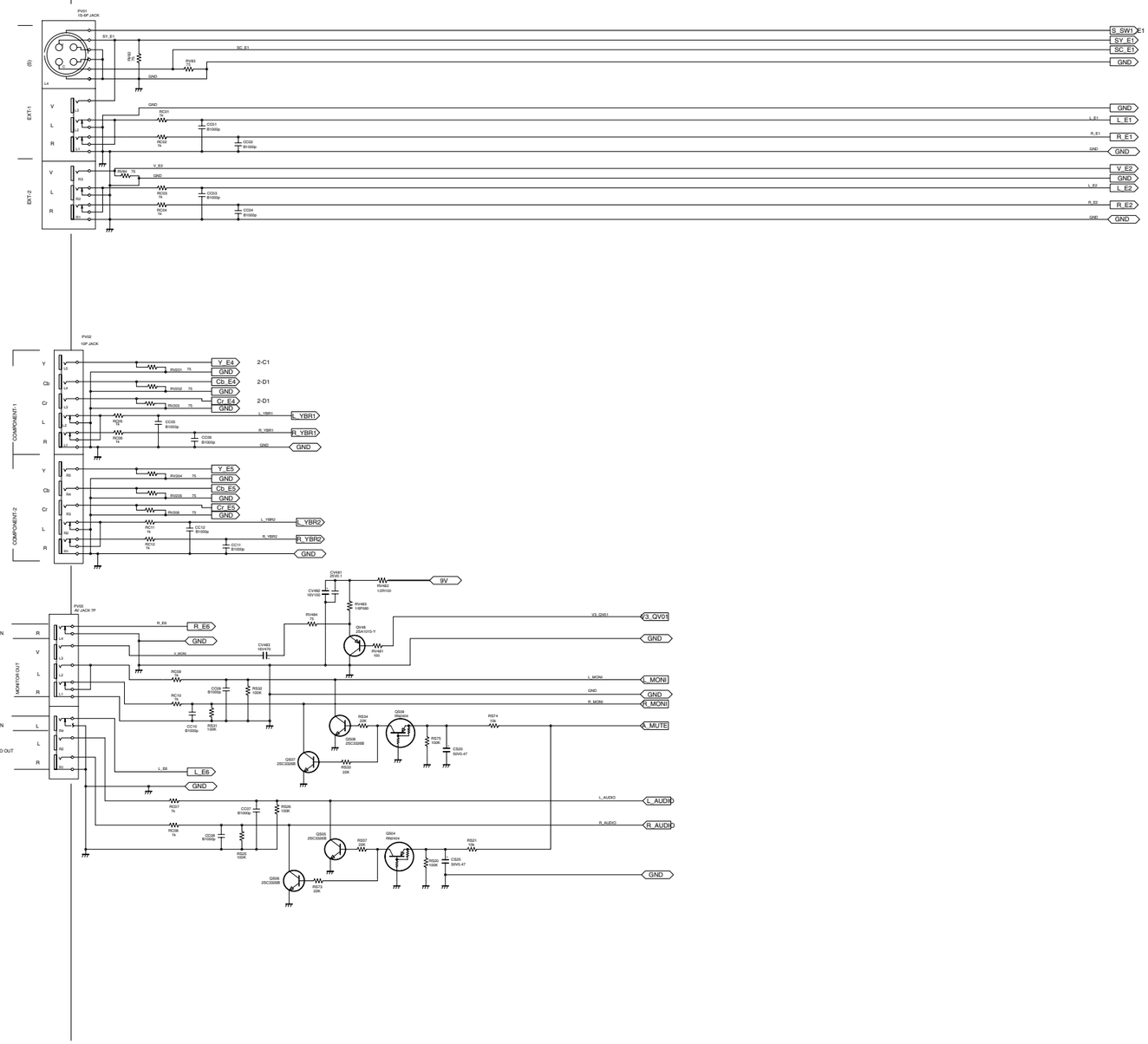
34JH9UH
AV TERMINAL (1/7)
SHEET-1/7



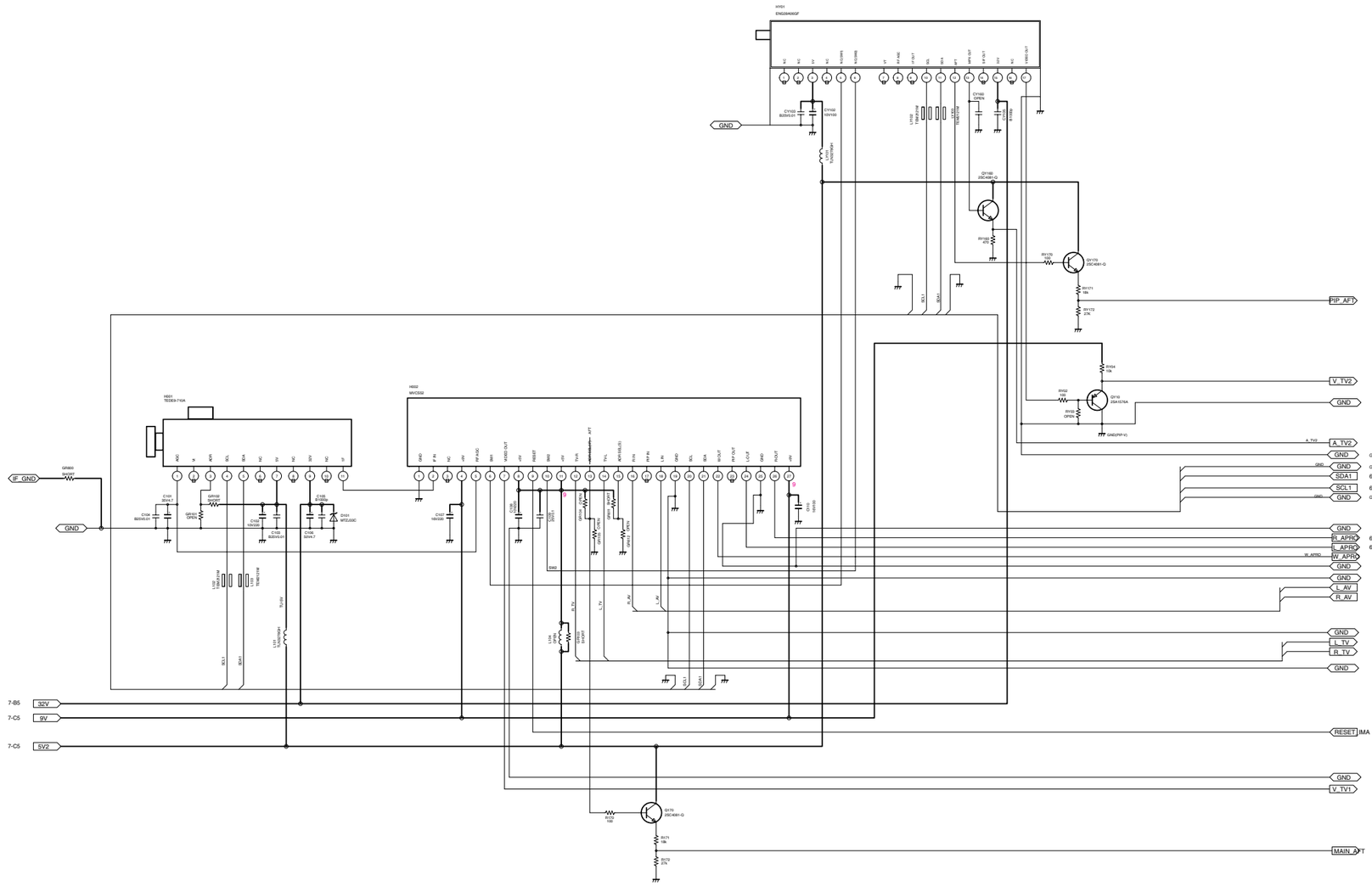

34JH9UH
AV TERMINAL (V SW)
SHEET-2/7



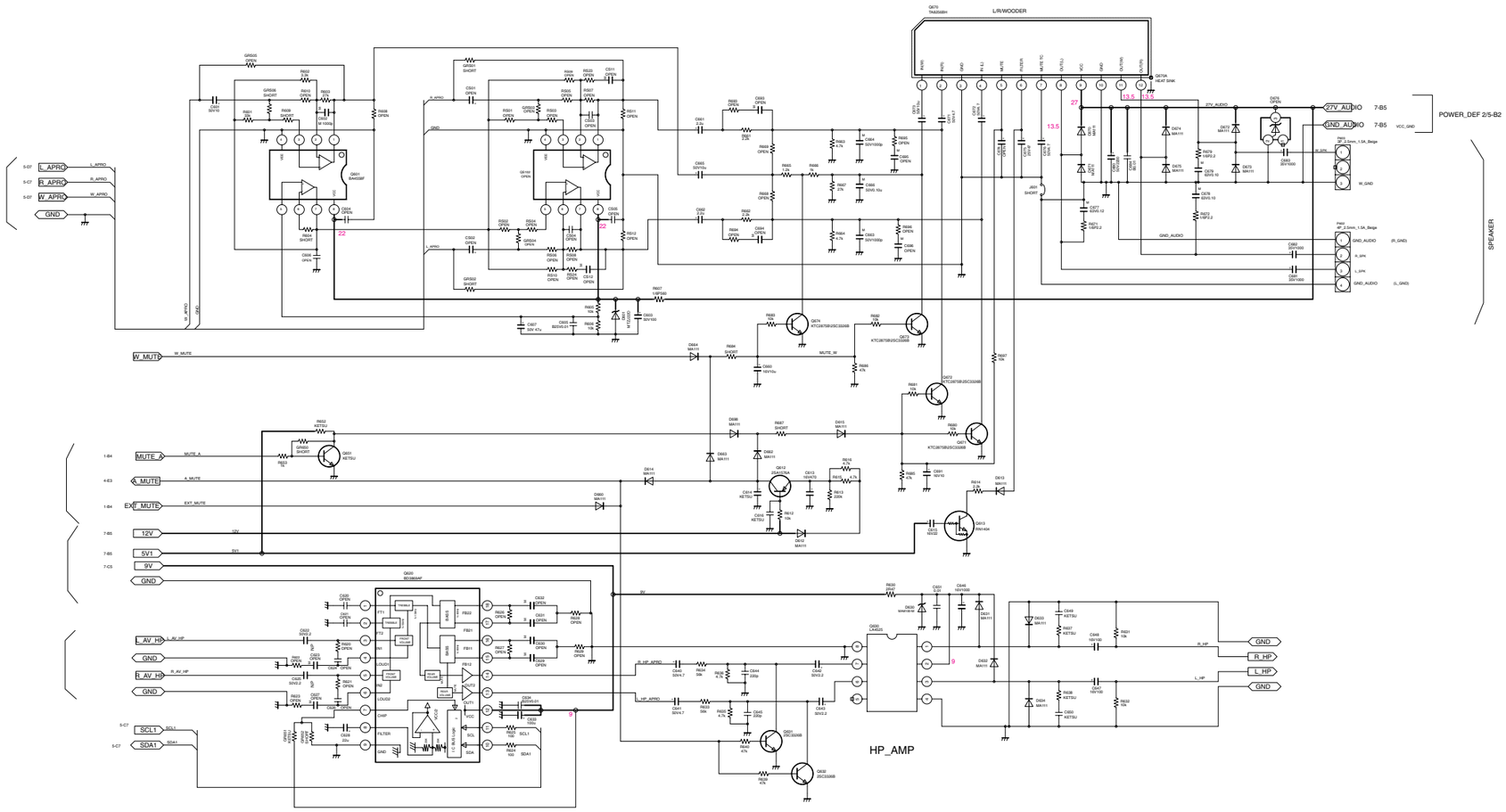

34JH9UH
AV TERMINAL (A SW)
SHEET-3/7




34JH9UH
AV TERMINAL (JACK)
SHEET-4/7

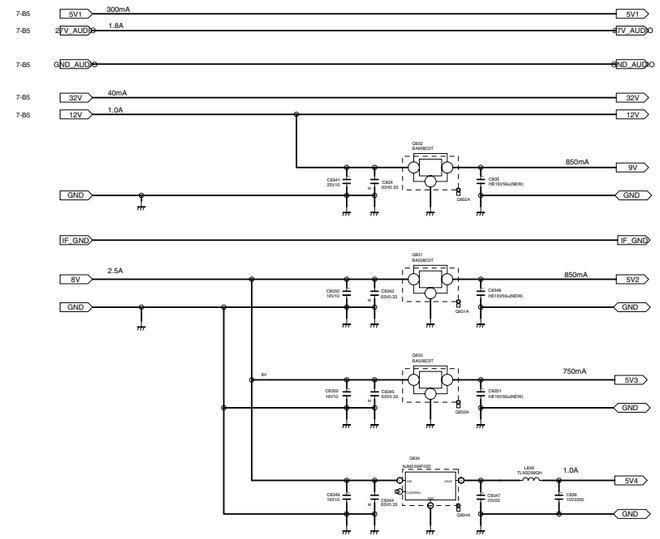



34JH9UH
AV TERMINAL (TUNER IF TIF)
SHEET-5/7




34JH9UH
AV TERMINAL (AUDIO OUT)
SHEET-6/7

TO POWER BOARD




34JH9UH
AV TERMINAL (REGURATOR)
SHEET-7/7

U905A
CONTROL BOARD

U905B
LED BOARD

MB01

FROM POW/DEF

TO POW/DEF

POWER/DEF BOARD

HYPER SIGNAL BOARD

HYPER SIGNAL BOARD

AV TERMINAL BOARD

AV TERMINAL BOARD

BB07/BB08 OR P018A/P019A

34JH9UH
CONTROL LED

# SPECIFICATIONS

| MODEL | | 34JH9UH |
|---|---|---|
| Rated voltage | | ∼ 220 – 240 V, 50 Hz |
| Power consumption (at ∼ 220 V, 50 Hz) | | 200 W |
| Dimensions (Width × Depth × Height) | | 829mm × 556mm × 689mm |
| Mass | | 75.5 kg |
| Picture tube | | Type 34, picture tube<br>86 cm (dia.) overall picture tube<br>80 cm (dia.) viewable picture area<br>105° deflection |
| Television system (Antenna input) | Channel coverage | **System** **VHF** **UHF** **CABLE (Channels)**<br>PAL B/G (CCIR) 2 – 12 21 – 69 X ~ Z+2, S1 ~ S41<br>PAL I (UK) — 21 – 69 —<br>PAL D/K (CHINA) 1 – 12 13 – 57 Z–1 ~ Z–38<br>SECAM B/G (CCIR) 2 – 12 21 – 69 X ~ Z+2, S1 ~ S41<br>SECAM D/K (OIRT) 1 – 12 21 – 69 X1 ~ X19<br>NTSC M (US) 2 – 13 14 – 69 A–6 ~ A–1, A ~ W, AA ~ ZZ, AAA, BBB<br>NTSC M (JAPAN) 1 – 12 13 – 62 M1 ~ M10, S1 ~ S41 |
| | Special RF signal | **Color system** **Sound system**<br>NTSC4.43 5.5/6.0/6.5 MHz<br>PAL 60Hz 5.5/6.0/6.5 MHz |
| COMPONENT VIDEO INPUT terminals (the signal format) | | 480i, 480p, 576i, 576p, 720p (50/60 Hz), 1080i (50/60 Hz)<br>(These signal formats are converted to match the particular scanning of the TV.) |
| Color system | | PAL/SECAM/NTSC4.43/NTSC3.58 |
| Sound output | | MAIN: 10W + 10W (10% THD)<br>SUPER WOOFER: 13W (10% THD) |
| Accessories | | • Remote control 1 • Owner's manual (This book) 1<br>• Battery (R03, AAA) 2 |

– END –

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN