zenith

SERVICE MANUAL

Product Type:	Projection TV
Chassis:	MP-03AA
Manual Series:	
Manual Part #:	
Model Line:	
Product Year:	2003

Model Series:

R40W46
R40W46F
R40W46FA
R45W46
R45W46F
R45W46FA

CONTENTS

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Zenith Electronics Corporation
201 James Record Road
Huntsville, Alabama 35824-1513

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PRODUCT SAFETY

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audiovisual service technicians. When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring, and lead dress must conform to original layout upon completion of repairs. If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it only with the factory specified fuse type and rating. When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB. Always keep wires away from high voltage or high temperature parts.

Special components are also used to prevent shock and fire hazard.
These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation. Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

Circuit diagrams may occasionally differ from the actual circuit used.
This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way.
Never perform customized installations without manufacturer's approval.
Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

GENERAL GUIDANCE

An Isolation Transformer should always be used during the servicing
of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating to protect against personal injury from electrical shocks. It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

Before returning the receiver to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate
without damage of electrical shock.

LEAKAGE CURRENT COLD CHECK (ANTENNA COLD CHECK)

With the instrument's AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together, and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc. If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ. When the exposed metal has no return path to the chassis the reading must be infinite. Any other abnormality that exists must be corrected before
the receiver is returned to the customer.

ELECTROSTATICALLY SENSITIVE DEVICES

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

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on the body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as an ESD mat, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

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

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise, seemingly harmless motion, such as the brushing together of your clothing or the lifting of your foot from a carpeted floor, can generate static electricity sufficient to damage an ES device.)

REGULATORY INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver; Connect the equipment into an outlet on a circuit different from that to which the receiver is connected; Consult the dealer or an experienced radio/TV technician for help.

The responsible party for this device's compliance is:

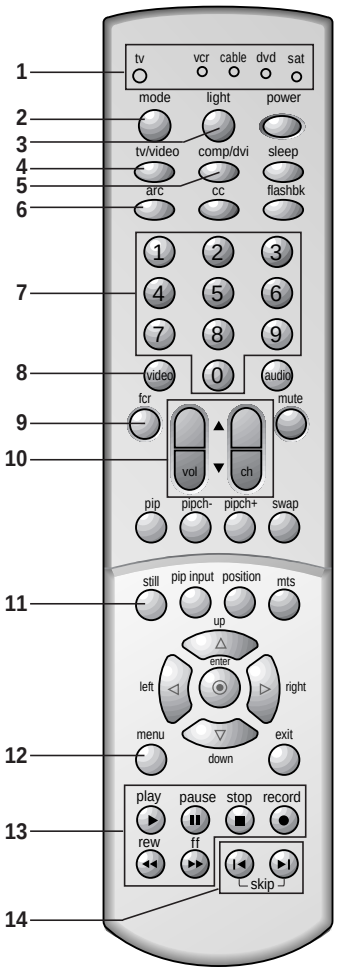
Zenith Electronics Corporation
201 James Record Road
Huntsville, AL 35824, USA
Digital TV Hotline: 1-800-243-0000

TABLE OF CONTENTS

SPECIFICATIONS

Model	R40W46, R40W46F, R45W46, R45W46F
Power requirements	AC 120V
Television system	NTSC
Television channels	VHF : 2 ~ 13, UHF : 14 ~ 69 Cable : 01 ~ 125
Power consumption	See the back of the TV
External antenna impedance	75 Ω
Audio output	15W + 15W
External input ports	Video input jacks (4 sets) S-video input port (2) Component input jacks (2 sets) DVI-HDTV input jack (1) Variable audio output jacks (1 set) Monitor output jack (1)

DESCRIPTION OF CONTROLS



1. **MODE INDICATOR LIGHTS**
   Show active remote mode every time any button is pressed.

2. **MODE**
   Selects the remote operating mode: TV, VCR, Cable, DVD and Satellite. Select other operating modes, for the remote to control external devices.

3. **LIGHT**
   Illuminates the remote control keys.

4. **TV/VIDEO**
   Selects TV, VIDEO, COMPONENT, or DVI mode.

5. **COMP/DVI**
   Selects COMPONENT or DVI mode.

6. **ARC**
   Selects 4:3, 16:9, Horizon, Zoom 1, or Zoom 2 picture formats.

7. **NUMBER BUTTONS**
   Direct channel selection.

8. **VIDEO**
   Selects factory preset picture settings: Clear, Optimum, Soft, or User.

9. **FCR (Favorite Channel Review)**
   Selects favorite channels.
   Refer to **"Favorite channel memory"**.

10. **CHANNEL UP/DOWN**
    - Selects the desired channel.
    - Selects the desired menu option when menu is displayed on the screen.

    VOLUME UP/DOWN
    - Increase or decrease sound level.
    - Enters or adjusts the selected menu when menu is displayed on the screen.

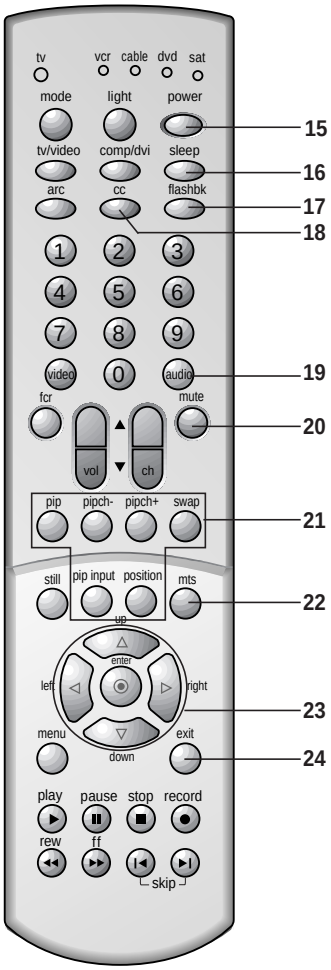
11. **STILL**
    Freezes still the sub picture in PIP mode.
    Freezes the currently-viewed picture.

12. **MENU**
    Displays on-screen menus.

13. **VCR BUTTONS**
    Control some video cassette recorders.

14. **SKIP Left/Right**
    Playing CDs: Selects previous/next song.
    Playing DVDs: Selects previous/next movie chapter.

DESCRIPTION OF CONTROLS



15. POWER (or ON/OFF)
Refer to **"Turning the TV on/off".**

16. SLEEP
Sets desired sleep time.

17. FLASHBK
Returns to the previous channel.

18. CC
Selects the CAPTIONS: On, EZ Mute, or Off.

19. AUDIO
Selects the sound appropriate for the program's character; Virtual, Flat, Music, Movie, Sports or User.

20. MUTE
Reduce to half level of original sound or mute the sound.

21. PIP (Picture-in-Picture)

PIP
Selects the PIP mode, twin picture window, or POP mode.

PIPCH +/–
Selects the sub picture channel.

SWAP
Switches the main and sub pictures.

PIP INPUT
Selects the input signal for the sub picture.

POSITION
Moves the sub picture to another corner of the main picture.

22. MTS BUTTON
Selects MTS sound: Mono, Stereo, or SAP.

23. UP▲/ DOWN▼/ LEFT◄/ RIGHT►/ ENTER ⦿
- Navigates the on-screen menus and adjusts the system settings and preferences.
- Recalls current TV mode (Remote control only).

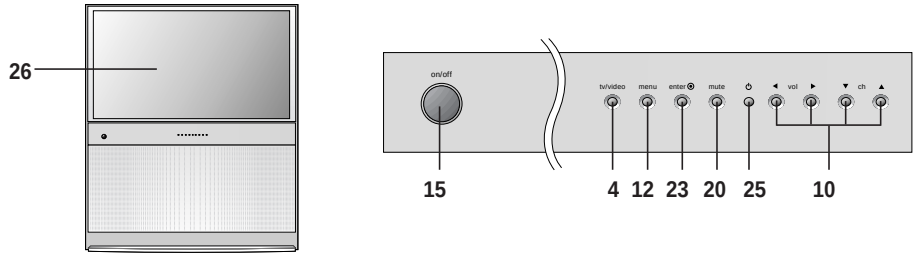
24. EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

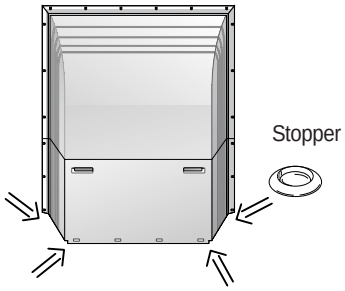
DESCRIPTION OF CONTROLS

25. STAND BY INDICATOR (⏻)
Illuminates brightly when the TV is in standby mode. Dims when the TV is switched on.

26. REMOTE CONTROL SENSOR

This is a simplified representation of front panel.





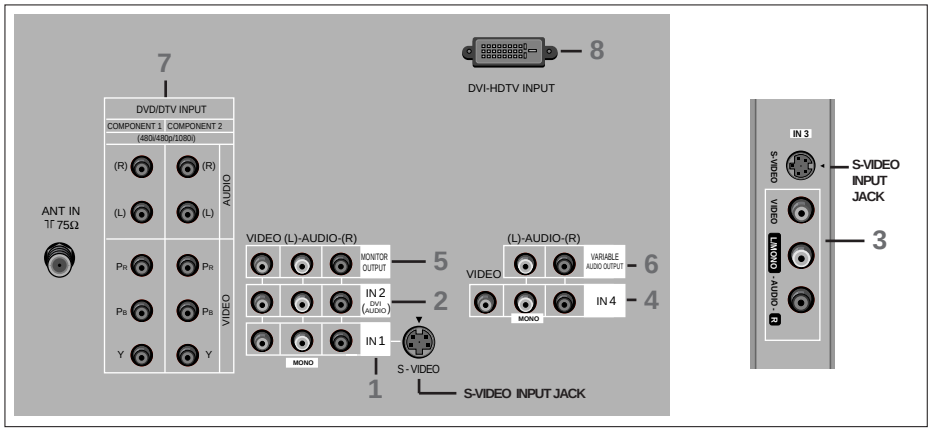
Fixation of TV movement:

- To prevent the movement of the projection TV, fix TV's caster with 4 stopper as shown.
- Casters (on the bottom)
  Turn and move the TV easily.

DESCRIPTION OF CONTROLS

External Equipment Connection and Viewing Setup

You can connect additional equipment, such as VCRs, camcorders etc. to your TV.
Connection panels shown here may be somewhat different from your TV.
Here is an example drawing of a typical jackpack layout.

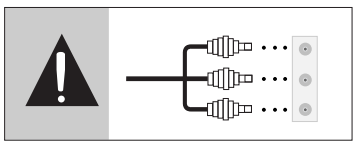


1. **IN 1** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Press the **tv/video** button to select Video 1.
2. **IN 2** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Press the **tv/video** button to select Video 2.
3. **IN 3** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Press the **tv/video** button to select Video 3.
4. **IN 4** JACKS : Connect external equipment outputs (VCR, DVD, CAMCORDER) to these inputs. Press the **tv/video** button to select Video 4.
5. **MONITOR OUTPUT** JACKS : Connect second TV or a monitor to these outputs for monitoring the selected program.
6. **VARIABLE AUDIO OUT** JACKS: Connect analog stereo amplifier to your front speaker.
7. **DVD/DTV INPUT** JACKS : Connect component output jacks to these inputs. Use the **tv/video** or **comp/dvi** button to select Component 1, Component 2.
8. **DVI-HDTV INPUT** JACK: Connect set-top box to these input. Use the **tv/video** or **comp/dvi** button to select DVI.

Note : Avoid having a fixed image remain in the screen for a long period of time. Typically a frozen still picture from a VCR is present ; the fixed image may remain visible on the screen.

Easy A/V Connection

If a external equipment is disconnected, the TV displays as shown right and you can only select input source connected with **tv/video** or **comp/dvi** button on the remote control. (It's not available in DVI input source.)



PROGRAMMING CODES

Programming the Remote

The remote control for your HD receiver is a multi-brand or universal remote control. It can be programmed to operate most remote-controllable devices of other manufacturers.

Note that the remote control may not control all models of other brands.

1. Test your remote control.
   To find out whether your remote control can operate the component without programming, turn on the component such as a VCR and press the corresponding mode button (VCR) on the remote control, while pointing at the component. Test the POWER and CH +/- buttons to see if the component responds properly. If not, the remote requires programming to operate the device.

2. Turn on the component to be programmed, then press the corresponding mode button on the remote control.

3. Press the POWER and MUTE buttons simultaneously, the remote control is ready to be programmed for the code.

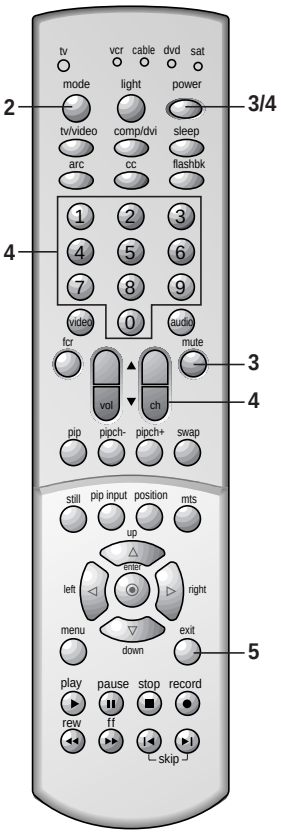
4. There are two ways to find the right code for the component.

   A. If you press the CH +/- buttons repeatedly, the codes will change one at-a-time. Press the POWER button after each code change. If the right code is found, the device will turn off.

B. Enter a code number using the number buttons on the remote. Programming code numbers for the corresponding component can be found on the following pages. Again, if the code is correct, the device will turn off.

5. Press the EXIT button to store the code.

6. Test the remote control functions to see if the component responds properly. If not, repeat from step 2.



PROGRAMMING CODES

Programming Codes

TV

Brand	Codes
A MARK	112 143
ADMIRAL	072 081 161
AKAI	006 146
AMPRO	073 167
AMSTRAD	052
ANAM	043 054 056
	080 104 108
	112 115 118
	121 131
AOC	004 006 058
	112
BLAUPUNKT	088
CANDLE	002 003 004
	006
CAPEHART	058
CETRONIC	043
CITIZEN	002 003 004
	006 043 101
	103 143
CLASSIC	043
CONCERTO	004
CONTEC	039 043 050
	051
CORONADO	143
CRAIG	043 054
CROWN	043 143
CURTIS MATHES	004 006 101
	116 143
CXC	043
DAEWOO	004 016 017
	043 044 055
	071 076 103
	107 111 114
	117 120 123
	125 127 128
	136 143
DAYTRON	004 116 143
DYNASTY	043
DYNATECH	062
ELECTROHOME	024 077 143
EMERSON	004 005 006
	028 043 047
	048 050 051
	096 116 143
	151 153 154
	155
FISHER	007 057
FUNAI	028 043
FUTURETECH	043
GE	004 006 008
	009 034 056
	073 074 091
	116 130 144
	155 160 161
	165

Brand	Codes
GOLDSTAR	004 102 106
	110 112 113
	116 119 122
	127 137 143
HALL MARK	004 116
HITACHI	004 006 009
	010 011 012
	023 041 075
	143 158 163
	166
INFINITY	164
INKEL	129
JBL	164
JCPENNY	004 006 008
	009 024 030
	065 101 143
	156 160
JENSEN	013
JVC	034 038 070
	083 145
KEC	043
KENWOOD	006 070
KLOSS	002 059
KMC	143
KTV	006 043 143
	154
LG	255
LODGENET	072
LOGIK	072
LUXMAN	004
LXI	007 015 052
	081 160 164
	166
MAGNAVOX	003 004 006
	022 059 060
	061 063 064
	127 143 160
	164
MARANTZ	006 077 164
MATSUI	164
MEMOREX	004 007 072
	116
METZ	088
MGA	004 006 024
	028 042 049
	077 116
MINERVA	088
MITSUBISHI	004 006 024
	028 040 042
	109 116 124
	146
MTC	004 006 062
	101

Brand	Codes
NAD	015 025
NEC	006 007 016
	019 024 040
	056 130 132
	134
NIKEI	043
ONKING	043
ONWA	043
OPTONICA	019 081
PANASONIC	034 056 080
	092 164
PHILCO	003 004 006
	024 043 056
	059 060 063
	064 127 143
	164
PHILIPS	003 004 005
	006 038 059
	070 093 143
	160 164
PIONEER	006 018 023
	025 027 116
	135 176
PORTLAND	004 143
PROSCAN	144 160 161
	165 167
PROTON	004 058 116
	131 143 171
	173
QUASAR	034 056 092
RADIO SHACK	019 043 047
	116 127 143
RCA	004 006 023
	024 056 065
	074 144 152
	156 160 161
	165
REALISTIC	007 019 043
	047
ROCTEC	186
RUNCO	168 169
SAMPO	004 006 058
	116
SAMSUNG	004 050 089
	101 105 113
	116 127 133
	137 143 160
SANYO	007 020 021
	033 039 053
	057 082 166
SCOTT	004 028 043
	048 116 143
SEARS	004 007 015
	028 030 057
	082 094 101

Brand	Codes
	116 143 160
Sharp	004 014 019
	022 028 029
	081 143 170
	175
SIEMENS	088
SIGNATURE	072
SONY	041 070 079
	085 126 139
	147 185
SOUNDESIGN	003 004 028
	043 116
SPECTRICON	112
SSS	004 043
SUPRE MACY	002
SYLVANIA	003 004 006
	044 059 060
	063 064 116
	127 140 160
	164
TANDY	081
TATUNG	056 062
TECHNICS	034 080 084
TECHWOOD	004
TEKNIKA	002 003 004
	006 024 028
	031 043 072
	077 101 103
	143
TELEFUNKEN	037 046 086
	087
TELERENT	072
TERA	172
TMK	004 116
TOSHIBA	007 015 030
	040 051 062
	101 138
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDIKRON	174
VIDTECH	004 116
WARDS	004 008 009
	019 028 060
	061 063 064
	072 074 116
	143 164
YAMAHA	004 006
YORK	004 116
YUPITERU	043
ZENITH	001 072 073
	095 103 157
ZONDA	112

PROGRAMMING CODES

VCRs

Brand	Codes
AIWA	034
AKAI	016 043 046 124 125 146
AMPRO	072
ANAM	031 033 103
AUDIO DYNAMICS	012 023 039 043
BROKSONIC	035 037 129
CANON	028 031 033
CAPEHART	108
CRAIG	003 040 135
CURTIS MATHES	031 033 041
DAEWOO	005 007 010 064 065 108 110 111 112 116 117 119
DAYTRON	108
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059
EMERSON	006 017 025 027 029 031 034 035 036 037 046 101 129 131 138 153
FISHER	003 008 009 010
FUNAI	034
GE	031 033 063 072 107 109 144 147
GO VIDEO	132 136
GOLDSTAR	012 013 020 101 106 114 123
HARMAN KARDON	012 045
HITACHI	004 018 026 034 043 063 137 150
INSTANTREPLAY	031 033
JCL	031 033
JCPENNY	012 013 015 033 040 066 101
JENSEN	043
JVC	012 031 033 043 048 050 055 060 130 150 152
KENWOOD	014 034 039 043 047 048
LG	255
LLOYD	034
LXI	003 009 013 014 017 034 101 106
MAGIN	040
MAGNAVOX	031 033 034 041 067 068
MARANTZ	012 031 033 067 069
MARTA	101
MATSUI	027 030
MEI	031 033
MEMOREX	003 010 014 031 033 034 053 072 101 102 134 139
MGA	045 046 059
MINOLTA	013 020
MITSUBISHI	013 020 045 046 049 051 059 061 151
MTC	034 040
MULTITECH	024 034
NEC	012 023 039 043 048
NORDMENDE	043
OPTONICA	053 054
PANASONIC	066 070 074 083 133 140 145
PENTAX	013 020 031 033 063
PHILCO	031 034 067
PHILIPS	031 033 034 054 067 071 101
PILOT	101
PIONEER	013 021 048
PORTLAND	108
PULSAR	072
QUARTZ	011 014
QUASAR	033 066 075 145
RCA	013 020 033 034 040 041 062 063 107 109 140 144 145 147
REALISTIC	003 008 010 014 031 033 034 040 053 054 101
RICO	058
RUNCO	148
SALORA	014
SAMSUNG	032 040 102 104 105 107 109 112 113 115 120 122 125
SANSUI	022 043 048 135
SANYO	003 007 010 014 102 134
SCOTT	017 037 112 129 131
SEARS	003 008 009 010 013 014 017 020 031 042 073 081 101
SHARP	031 054 149
SHINTOM	024
SONY	003 009 031 052 056 057 058 076 077 078 149
SOUNDESIGN	034
STS	013
SYLVANIA	031 033 034 059 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	031 033 070
TEKNIKA	019 031 033 034 101
THOMAS	034
TMK	006
TOSHIBA	008 013 042 047 059 082 112 131
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	040
WARDS	003 013 017 024 031 033 034 040 053 054 131
YAMAHA	012 034 039 043
ZENITH	001 034 048 056 058 072 080 101

PROGRAMMING CODES

Programming Codes

SAT

Brand	Codes			Brand	Codes			Brand	Codes		
ALPHASTAR DSR	123			HITACHI	139	140		REALISTIC	043	074	
AMPLICA	050			HOUSTON TRACKER	033	037	039	SAMSUNG	123		
BIRDVIEW	051	126	129		051	057	104	SATELLITE SERVICE CO	028	035	047
BSR	053			HUGHES	068				057	085	
CAPETRONICS	053			HYTEK	053			SCIENTIFIC ATLANTA	032	138	
CHANNEL MASTER	013	014	015	JANIEL	060	147		SONY	103		
	018	036	055	JERROLD	061			STARCAST	041		
CHAPARRAL	008	009	012	KATHREIN	108			SUPER GUIDE	020	124	125
	077			LEGEND	057			TEECOM	023	026	075
CITOH	054			LG	255				087	088	090
CURTIS MATHES	050	145		LUTRON	132				107	130	137
DRAKE	005	006	007	LUXOR	062	144		TOSHIBA	002	127	
	010	011	052	MACOM	010	059	063	UNIDEN	016	025	042
	112	116	141		064	065			043	044	045
DX ANTENNA	024	046	056	MEMOREX	057				048	049	078
	076			NEXTWAVE	028	124	125		079	080	086
ECHOSTAR	038	040	057	NORSAT	069	070			101	135	136
	058	093	094	PACE SKY SATELLITE	143			VIEWSTAR	115		
	095	096	097	PANASONIC	060	142		WINEGARD	128	146	
	098	099	100	PANSAT	121			ZENITH	001	081	082
	122			PERSONAL CABLE	117				083	084	091
ELECTRO HOME	089			PHILIPS	071				120		
EUROPLUS	114			PICO	105						
FUJITSU	017	021	022	PRESIDENT	019	102					
	027	133	134	PRIMESTAR	030	110	111				
GENERAL INSTRUMENT	003	004	016	PROSAT	072						
	029	031	059	RCA	066	106					
	101										

DVD

Brand	Codes			Brand	Codes			Brand	Codes		
APEX DIGITAL	022			MARANTZ	024			PROCEED	021		
DENON	020	014		MITSUBISHI	002			PROSCAN	005	006	
GE	005	006		NAD	023			RCA	005	006	
GOLDSTAR	010	016	025	ONKYO	008	017		SAMSUNG	011	015	
HARMAN KARDON	027			PANASONIC	003	009		SONY	007		
JVC	012			PHILIPS	013			THOMPSON	005	006	
LG	001	010	016	PIONEER	004	026		TOSHIBA	019	008	
	025							YAMAHA	009	018	
MAGNAVOX	013							ZENITH	010	016	025

PROGRAMMING CODES

CATV

Brand	Codes			Brand	Codes			Brand	Codes		
ABC	003	004	039	LG	255			SAMSUNG	030	068	
	042	046	052	M-NET	037			SCIENTIFIC ATLANTA	003	011	041
	053			MACOM	033				042	043	045
ANTRONIK	014			MAGNAVOX	010	012	064		046		
ARCHER	005	007	014		079			SHERITECH	022		
	024			MEMOREX	001			SIGNAL	030		
CABLE STAR	026			MOVIE TIME	028	032		SIGNATURE	052		
CENTURION	092			NSC	015	028	038	SL MARX	030		
CENTURY	007				071	073		SPRUCER	047	078	
CITIZEN	007			OAK	016	031	037	STARCOM	002	004	008
COLOUR VOICE	065	090			053				009		
COMBANO	080	081		PANASONIC	044	047		STARGATE	008	030	
COMTRONICS	019	030		PARAGON	001			SYLVANIA	067		
DIAMOND	023			PHILIPS	006	012	013	TADIRAN	030		
EAGLE	020	030	040		020	065	085	TANDY	017		
EASTERN	057	062	066		090			TEXSCAN	029	067	
ELECTRICORD	032			PIONEER	034	051	052	TOCOM	039	040	056
GE	072				063	076		TOSHIBA	001		
GEMINI	008	022	025	POST NEWS WEEK	016			UNIKA	007	014	024
	054			PRUCER	059			UNITED CABLE	004	053	
GI	052	074		PTS	011	048	071	UNIVERSAL	007	014	
GOLDEN CHANNEL	030				072	073	074		024	026	027
HAMLIN	049	050	055	PULSAR	001				032	035	
HITACHI	052	055		RCA	047			VIEWSTAR	012	015	018
HOSPITALITY	070	077		REGAL	049	050			086	087	088
JERROLD	002	003	004	REGENCY	057				089		
	008	009	010	REMBRANT	025			ZENITH	001	060	093
	052	069	074	RK	091						

ADJUSTMENT INSTRUCTIONS

These instructions are applied to only MP-03AA/B chassis.

Notes

1.Because this is not a hot chassis, it is not necessary to use an isolation transformer.
However, the use of isolation transformer will help protect test instrument.
2.Adjustments must be done in the correct order.
3.The receiver must be operated for about 60 minutes proir to the adjustment.
Pre-heatrun must be operated receiving moving pictures or 100% white pattern.

※ Never operate the SET over 10 minutes with still picture because a fluorescent material may get damage.

1. Raster Slant/Focus Adjustment

1-1. Preliminary steps

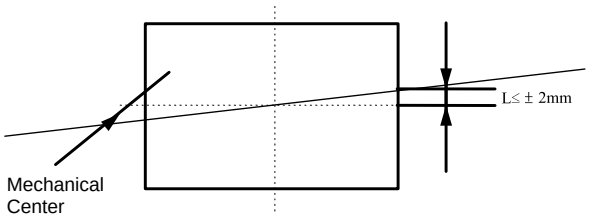
(1) Apply power to the unit and switch the unit ON.
(2) Receive the signal.
(3) Select INSTART key on the Service Remote and then select "0 RASTER ADJ" move the cursor or by pressing the key No. 0.
(4) Adjust Lens Focus/Electric focus temporarily.

※ When selecting "0 RASTER ADJ" mode after entering adjustment mode with INSTART key, the convergence resets and then preparation for adjustment complete.

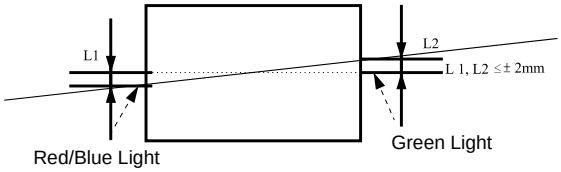
※ The convergence reset is possible even from convergence adjustment mode.
1) Enter into convergence adjustment mode: Select INSTART key on the Service Remote and then select "3 CONVERGENCE" move the cursor or using the key No..
2) Convergence reset: After press the key No. 5, press the ENTER key.
3) Adjustment mode release: Press the INSTART key

1-2. Adjustment

(1) Make Green raster by covering Red and Blue.
(2) Rotate Green DY and tilt the screen like figure below.



(3) Make 2 color raster with Red or Blue and Green.
(4) Coincide the slope of red and blue raster to that of green.



Note) 1. When adjusting raster slope, loosen the DY and fasten it after adjusting.
2. Never rotate and adjust the fixed DY without loosing it.

(5) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.

※ When release the RASTER adjustment mode using ENTER Key it turns the data of the convergence with in situ automatically and the adjustment is completed.

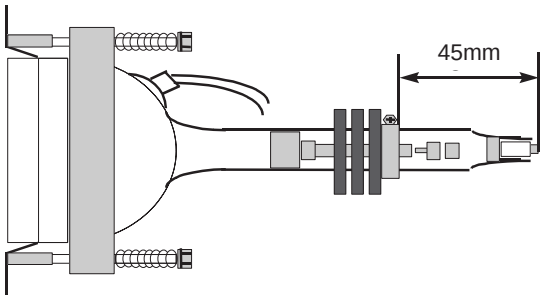
2. Beam Alignment Adjustment

2-1. Test Equipment

Video Test Generator(801GF) or Signal Generator that can produce NTSC DOT pattern(408NPS or 5518/5418 equipment)

2-2. Preliminary steps

(1) Heat run over 45 minutes.
(2) Pre-adjust Raster slope, Raster position, Centering Magnet & Lens focus.
(3) Check if the Magnet is located 45mm from the end of CRT.
(4) In case of using 801GF : Receive #13 DOT Pattern of VGA mode(Format #5) through PC input terminal.
In case of using NTSC generator : Receive Dot signal through the external input terminal.



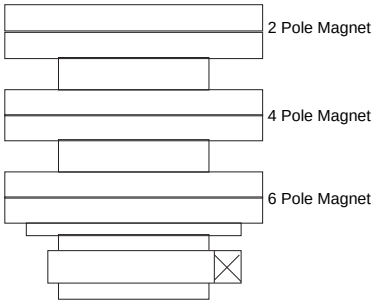
2-3. 2-Pole Magnet Adjustment

(1) Make Green raster by covering Red and Blue.
(2) Check the center position of DOT pattern on the center of the screen after turning Green focus volume left.

(3) Turning green focus volume right and adjust 2-Pole magnet so the position to coincide that of item "(2)".
(4) Adjust not to shift the screen by turning green focus volume clockwise and counter clockwise.
(5) If the screen shifts, readjust (2)~(4).
(6) Do the same method in Red and Blue.

2-4. Beam Shape(4 & 6-Pole Magnet) Adjustment

(1) Do after 2-Pole magnet adjustment.
(2) Make Green raster using lens cover and turn the focus volume right.
(3) Make the dot in the center a perfect circle using 4 & 6-Pole magnet.
(4) Do the same method in Red & Blue.
(5) Fasten the Magnet after adjustment.
(6) Adjust focus accurately.



3. Centering Magnet Adjustment

3-1. Preliminary steps

(1) Receive the image signal.
(2) Select INSTART key on the Service Remote and then select "0 RASTER ADJ" move the cursor or using the key No..
(3) When selecting the adjustment mode, the convergence resets automatically and then preparation for adjustment complete.

3-2. Adjustment

(1) Execute adjustment of Red, Green and Blue centering Magnet.
Locate the Green centering Magnet in middle.
(2) Application the SGS THOMSON CONVERGENCE ASSY, adjust center of Blue image signal from the center of Green image signal 30±3mm in order to reach this standing with the left side, adjust center of Red image signal from the center of Green image signal 30±3mm in order to reach this standing with the right side
(3) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.

4. High Voltage Regulation Adjustment

4-1. Test Equipment

Digital Multi-Meter(DMM)

4-2. Preliminary steps

Select INSTART key on the Remote Control and then select "1 HIGH VOLTAGE ADJ" move the cursor or using the key No..
(Manual adjustment : setting contrast/bright to 0 (A/V no signal))

4-3. Adjustment

(1) Connect DMM to the P415(+), P416(-) of Deflection Board.
(2) Adjust VR401 so that the P415(+), P416(-) voltage is 21.7±0.1V. (High voltage 31.5KV)
(3) After adjustment complete, exit the High Voltage adjustment mode using any key and exit the SVC adjustment mode using INSTART key.

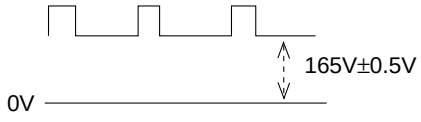
5. CUT-OFF Voltage Adjustment

5-1. Preliminary steps

(1) Select INSTART key on the Remote Control and then select "2 SCREEN ADJ" move the cursor or using the key No..
(2) Adjustment must be operated in a dark room (simple dark room)

5-2. Adjustment

(1) Test Equipment: Oscilloscope, 100:1 Probe
(2) Connect oscilloscope to cathode of R, G, B(R926R/B/G: SCREEN ADJ on the PCB) and GND.
(3) Turning Screen Volume (R/G/B) in Focus Pack and adjust R/G/B is 165V±0.5V.
(4) After adjustment complete, exit the CUT-OFF adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.



6. Deflection Adjustment

6-1. Preliminary steps

After adjusting the NTSC first, 1080i it adjust.

6-2. NTSC Adjustment

(1) Preliminary steps

1) Select INSTART key on the Service Remote and then select "0 RASTER ADJ" move the cursor or using the key No..
2) Make Green raster using lens cover.

(2) Adjustment

1) Select the below each mode using CH▲, CH▼ on the Service Remote Control and adjust using VOL▶, VOL◀.
2) Check the H POSI, V POSI is 21, 38 and When is wrong, adjust each at corresponding price.
3) Does not adjust H, V Position in the NTSC Mode, adjust with centering magnet.

4) H SIZE : Horizontal SIZE Adjustment
Adjust until third line of circle outermost horizontal size is accord with the edge of the frame.

5) V-SIZE : Vertical SIZE Adjustment
Adjust until fifth Vertical BAR from upper and lower center of the screen is accord with the last point of the frame.

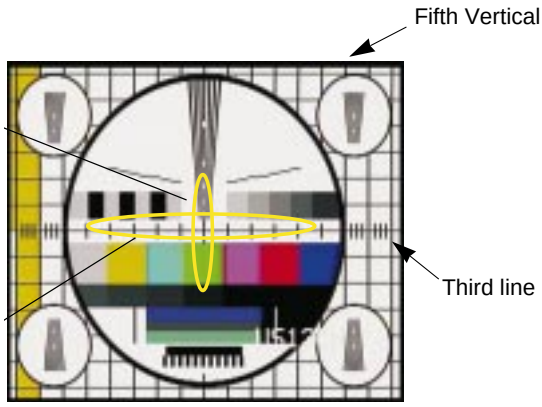


Fig. 3

6) UP VLI : Upper Vertical Linearity Adjustment
Adjust the vertical interval of screen upper.

7) LO VLI : Lower Vertical Linearity Adjustment
Adjust the vertical interval of screen lower.

8) PIN PH : Horizontal Trapezoid Fixation
Adjust the horizontal width of screen upper and lower is to be same.

9) PIN AM : Horizontal PARABOLA Correction
Adjust the vertical line of most angle lattice of right/ left of screen to be balance with vertical line of center of screen.

10) V LIN : Vertical Linearity Adjustment
Adjust the vertical size of the screen to be same with upper and lower.

11) S CORR : S Correction
Adjust the each lattice width Top/Center/Bottom of screen to be identical.

12) UP CPI : Upper Pincushion Correction
Adjust the pincushion of upper of screen

13) LO CPI : Lower Pincushion Correction
Adjust the pincushion of lower of screen

14) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.

6-3. 1080i Adjustment

(1) Test Equipment

SETTOP BOX with 1080i output

(2) Preliminary steps

1) After adjust 1080i with output of the SETTOP BOX, connects the Y signal which is output from SETTOP BOX with the VIDEO input terminal of the SIDE-AV(AV3).
2) Select INSTART key on the Remote Control and then select "8 1080I-ADJ" move the cursor or using the key No..
Connected to AV3 is 1080i the black/white signal appears in the screen.
3) Select INSTART key on the Remote Control and then select "0 RASTER ADJ" move the cursor or using the key No..
4) Make Green raster using lens cover.

(3) Adjustment

1) Select the below each mode using CH▲, CH▼ on the Remote Control and adjust using VOL▶, VOL◀.

2) H POSI : Horizontal Position Adjustment
Adjust so that the horizontal center line of screen is in accord with geometric horizontal center line of the screen JIG.

3) V POSI : Vertical Position Adjustment
Adjust so that the vertical center line of screen is in accord with geometric vertical center line of the screen JIG.

4) H SIZE : Horizontal SIZE Adjustment
Adjust until third line of circle outermost horizontal size is accord with the edge of the frame.

5) V-SIZE : Vertical SIZE Adjustment
Adjust until fifth Vertical BAR from upper and lower center of the screen is accord with the last point of the frame.

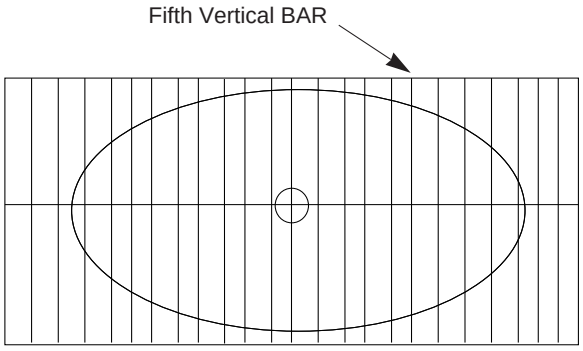


Fig. 3

6) UP VLI : Upper Vertical Linearity Adjustment
Adjust the vertical interval of screen upper.

7) LO VLI : Lower Vertical Linearity Adjustment
Adjust the vertical interval of screen lower.

8) PIN PH : Horizontal Trapezoid Fixation
Adjust the horizontal width of screen upper and lower is to be same.

9) PIN AM : Horizontal PARABOLA Correction
Adjust the vertical line of most angle lattice of right/ left of screen to be balance with vertical line of center of screen.

10) V LIN : Vertical Linearity Adjustment
Adjust the vertical size of the screen to be same with upper and lower.

11) S CORR : S Correction
Adjust the each lattice width Top/Center/Bottom of screen to be identical.

12) UP CPI : Upper Pincushion Correction
Adjust the pincushion of upper of screen

13) LO CPI : Lower Pincushion Correction
Adjust the pincushion of lower of screen

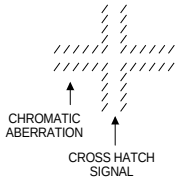
14) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.

7. Lens Focus and Electric Focus Adjustment

7-1. Preliminary steps

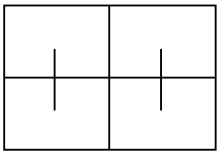
(1) Electric focus,Raster slope & Raster position must be pre-adjusted.
(2) Heat-run over 45 minutes.
(3) Tune the TV set to receive Cross Hatch
(4) Adjustment must be operated in a dark room(simple dark room) and pay attention not to touch the lens during adjustment.
(5) Make any one color raster using lens cover.
(6) Rotating lens right from the front side chromatic aberration occurs beside Cross-hatch line changes as follows;.

Lens	Change of chromatic aberration
Red	Orange ⟶ Scarlet
Green	Blue ⟶ Red
Blue	Purple ⟶ Green



7-2. Green Lens Adjustment

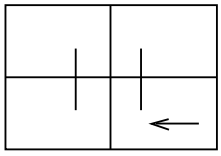
(1) Turn the lens until the chromatic aberration changed Blue to Red point.
(2) Observing all screen, if the tendency of chromatic aberration is non-linear, adjust to appear Red chromatic aberration in 3.5 Cross-Hatch section at center screen.
At this time, in case that the difference of bright line of Red chromatic aberration is not equal at both sides, adjust to have more Red chromatic aberration.



(3) Switching the signal to 13CH and operate adjustment minutely.
(4) Adjust Green focus control volume of focus pack so that the external big circle's part appeared cleary.
(5) Adjust accurately by repeat the upper control.
(6) Especially, noting to the Green light because it influenced on picture's function.

7-3. Red Lens Adjustment

(1) Turn the lens until the chromatic aberration changed orange to scarlet.
(2) Adjust the chromatic aberration so it is centered correctly.

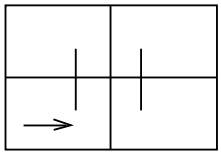


(3) Use the same method for the Red focus as was used for the Green focus.

7-4. Blue Lens Adjustment

(1) Rotate the lens until the chromatic abberration of 3.5 Cross-Hatch left from center point changes from Violet to Green. Adjust the chromatic abberration to be center point between violet and green.

(2) Adjust the chromatic aberration become center of purple and green.



(3) Use the same method for the Blue focus as was used for the Green focus.

7-5. After adjustment Red, Green & Blue lens, remove lens cover and receive Cross-Hatch pattern and check the overall focus. If need, repeat above.

8. Convergence Adjustment

Execute the convergence adjustment in NTSC MODE and 1080i MODE and each method does with method lower part.
NTSC Mode : Adjust in CH13.
1080i Mode : Adjust the Y signal which is output from the SETTOP BOX after putting in in the AV3. (Refer to deflection adjustment)

8-1. Preliminary steps

(1) This adjustment should be performed after warming up 60 minutes.

(2) This adjustment should be performed after vertical /horizontal raster position, beam alignment magnet and focus adjustment.

(3) Always apply a signal during this adjustment.

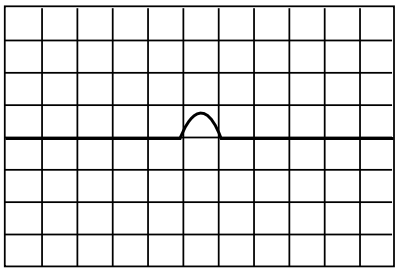
(4) Adjust uses the JIG screen which is lattice pattern.

8-2. Adjustment

(1) Select INSTART key on the Remote Control and then select "3 CONVERGENCE" move the cursor or using the key No..

(2) Horizontal/Vertical phase Adjustment

1) Press the button 9 & 5 to get into the phase adjustment mode.



2) Horizontal phase Adjustment : Move the convex portion to the middle of TV screen. Adjust the right and left height of second lattice into same height.
(Using the ◀, ▶ buttons)

(3) Horizontal Pattern Position Adjustment

1) Press the button 9 & 4 to get into the pattern shift mode.
2) Adjust the pattern and image to be pile up by pressing the MUTE key.
3) Adjust the center of pattern and image to be agree.
(Using the ◀,▶,▲,▼ buttons)
4) Use the (ENTER) button to exit this adjustment.
5) To save the adjustment data press 9, 2 then ENTER.

(4) Convergence Automatic Adjustment

Convergence adjust uses the PC and Camera automatically in basic, after automatic adjusting against the portion where the Convergence is not right with lower part manually adjustment with same method.

(5) Green Convergence Adjustment (manually)

1) After the OSD to appear in the screen by pressing key No. 2, change with green(G) adjustment mode by pressing TV/AV.
2) Display green color only on the screen by corvering to red CRT and blue CRT.
3) Adjust to coincide green pattern with screen jig pattern.
(Using the ◀,▶,▲,▼ buttons)
At this time, Move cursor from center screen to around screen and adjust convergence.

(6) Red Convergence Adjustment (manually)

1) After the OSD to appear in the screen by pressing key No. 2, change with red(R) adjustment mode by pressing TV/AV.
2) If you need, cover the Blue lens.
3) Coincide the red screen with green screen in same way with that of green convergence adjustment.

(7) Blue Convergence Adjustment (manually)

1) After the OSD to appear in the screen by pressing key No. 2, change with blue(B) adjustment mode by pressing TV/AV.
2) Coincide the blue screen with green screen in same way with that of green convergence adjustment.

(8) Adjusted Data Saving (manually)

1) Save the data after adjustment by pressing 9, 1, and ENTER key.
2) Quit convergence adjustment mode.
(Using the INSTART key)

8-3. Inicializing of AUTO CONVERGENCE

(1) Select INSTART key on the Remote Control and then select "3 CONVERGENCE" move the cursor or using the key No..
(2) Press MENU key and then select '3.AC POSITION MES.'.
(3) When adjusted normally, "OK" will appear on the center of screen. When finishing the adjustment, quit Convergnece adjustment mode.
(Using the ENTER and INSTART buttons)

9. White Balance Adjustment

9-1. Test Equipment

Brightness meter(CA-110)

9-2. Preliminary steps

(1) Adjust after Screen and Focus adjustment has been completed.
(2) This adjustment must be operated in a dark room or equivalent.
(3) The brightness meter must be located in 20±5cm distance from the center of the screen.
(4) Set the BURST OUT Setting of PATTERN GENERATER is OFF.

9-3. Adjustment (manually)

(1) Select INSTART key on the Remote Control and then select "4 WHITE BALANCE" move the cursor or using the key No..
(2) Receive the WINDOW signal. (NTSC 13CH)
1) After enter the adjustment mode using INSTART key, select "4 WHITE BALANCE" of adjustment mode.
2) High Light=160±3cd/m^2
Low Light=10±3cd/m^2

(3) Set Bright to H/Light adjustment mode in (2) and adjust R-DRIVE, B-DRIVE until color coordinate becomes X=269±3, Y=274±3.
Warm : X=313±3, Y=320±3.
Normal : X=295±3, Y=305±3.
Cool: X=277±3, Y=280±3.

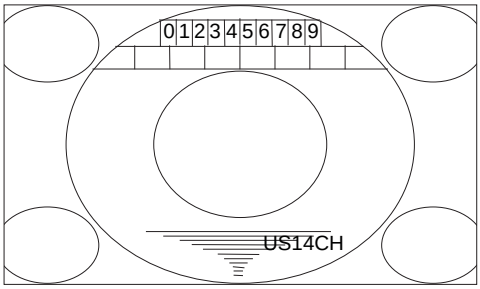
(4) Set Bright to L/Light adjustment mode in (2) and adjust R-CUTOFF, B-CUTOFF until color coordinate becomes X=269±3, Y=274±3.
Warm : X=313±3, Y=320±3.
Normal : X=295±3, Y=305±3.
Cool: X=277±3, Y=280±3.

(5) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.

10. SUB-BRIGHTNESS Adjustment

(Only NTSC Mode)

(1) Select NTSC CH14.
(2) Select INSTART key on the Remote Control and then select "5 SUB-BRIGHTNESS" move the cursor or using the key No..
When select "5 SUB-BRIGHTNESS" mode after entering adjustment mode with INSTART key, then preparation for adjustment complete.
(3) Adjust until the "2" disappear. (Using the VOL ◀, ▶)



(4) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using INSTART key.

※ Adjustment Item & Initial DATA

CXA2180 60Hz/1080i Adjustment Item

No.	Item	480p/1080i
1	V-SIZE	37/18
2	H-SIZE	25/25
3	R-DRIVE	14
4	G-DRIVE	40
5	B-DRIVE	42
6	R-CUTOF	10
7	G-CUTOF	45
8	B-CUTOF	10
9	S-BRIGHT	10
10	S-TINT	28
11	S-CONTRA	10
12	S-COLOR	140
13	DCOL	3
14	EXT-SW	0/1
15	SHP-F0	0
16	BLK-BTM	0
17	PRE-OVE	3
18	CTI-LEV	1
19	LTI-LEV	2
20	PLIMIT_L	3
21	ABL-MOD	2
22	CTI-MOD	0
23	GAMMA	1
24	LTIMODE	1
25	DPICLEV	3
26	DC TRAN	2
27	LRGB2	7
28	P ABL	11
29	ABL-TH	7

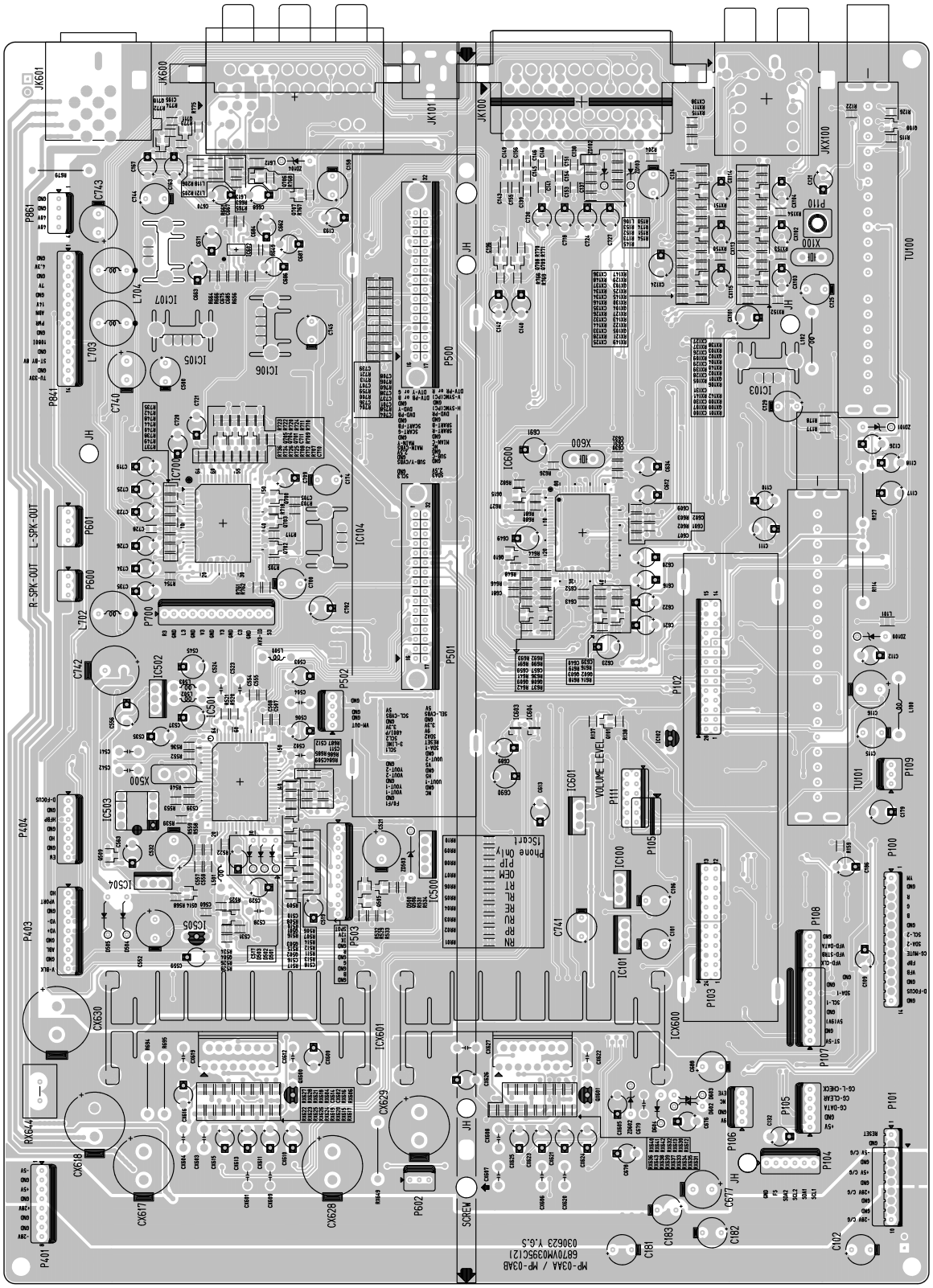
No.	Item	480p/1080i
30	CB-OFFS	31
31	AGING-W	0
32	AGING-B	0
33	CR-OFFS	31
34	SYSTEM	0
35	YOFFSET	7
36	VM-DLY	2
37	VM-F0	2
38	R-Yr	6
39	R-Yb	12
40	G-Yr	12
41	G-Yb	2
42	VM-LEV	4/3
43	FLCOL	0
44	FLCOLSW	1
45	UP-BLK	0
46	LO-BLK	0
47	V-ON	1
48	EW-DC	0
49	V-POSIT	38/34
50	V-LIN	7
51	S-CORRE	0
52	UP-UCP	0
53	PIN-AMP	12
54	LO-UCP	0
55	UP-CPIN	29
56	UP-UCG	0
57	LO-CPIN	29
58	LO-UCG	0

No.	Item	480p/1080i
59	PIN-PHA	31
60	UC-POL	0
61	VBLK-SW	0
62	H-POSIT	29/37
63	CLPSHFT	0
64	N-INTER	0/1
65	AFC-BOW	31
66	AGCMODE	1
67	AFCANGL	31
68	AGC SW	0
69	LEFTBLK	57
70	CLPPHAS	0
71	R-BLK	15
72	CLP-GAT	0
73	HBLK-SW	1
74	V-ASPECT	31
75	ZOOM-SW	0
76	JMP-SW	0
77	V-SCROL	31
78	VFREQ	1/1
79	UP-VLIN	8/6
80	LO-VLIN	4
81	V-COMP	0
82	H-COMP	0
83	AKB-TIM	11
84	HVBTMSW	0
85	BLK-OFF	0
86	AKB-OFF	0

NOTES

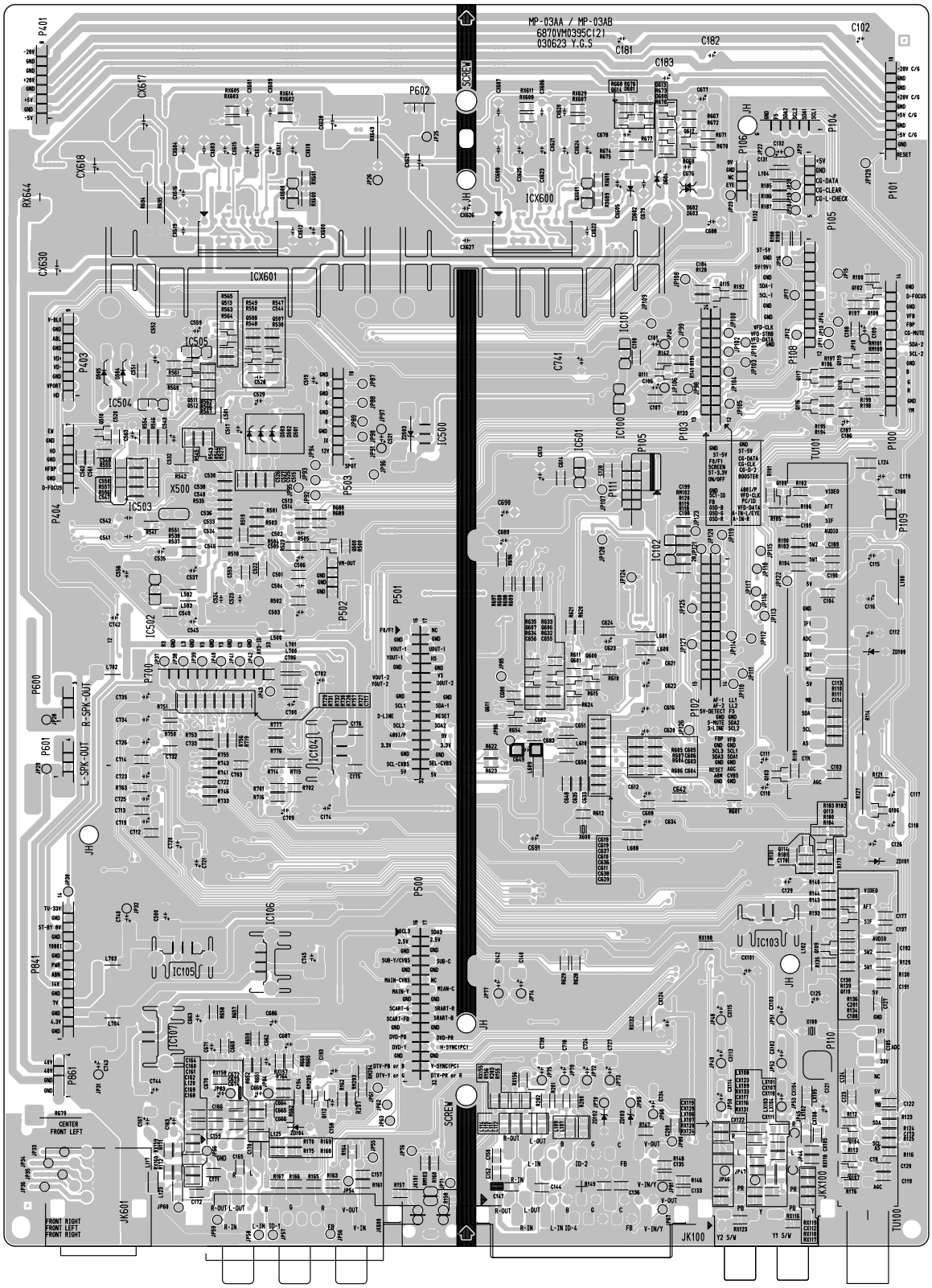
PRINTED CIRCUIT BOARD

MAIN(TOP)



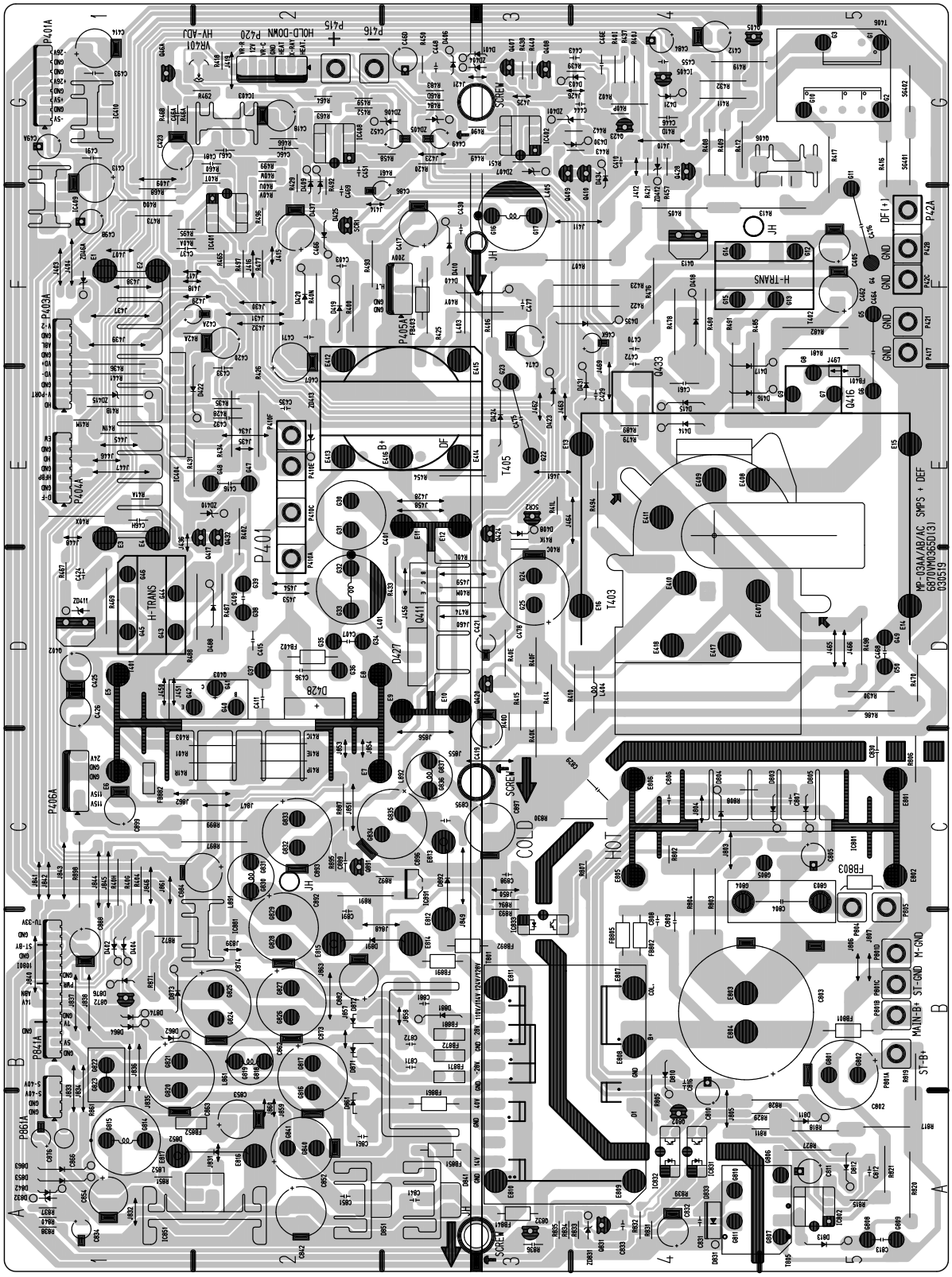
PRINTED CIRCUIT BOARD

MAIN(BOTTOM)



PRINTED CIRCUIT BOARD

MAIN2



COMPONENT LOCATION GUIDE(MAIN2)

C401.....E2
C403.....F2
C405.....F5
C407.....D2
C409.....D2
C410 .....G4
C411.....D2
C412 .....G4
C413 .....G1
C414 .....G1
C415.....D2
C416.....E2
C417.....F3
C418 .....G2
C419.....D3
C420.....F2
C421.....D3
C423 .....G1
C424.....D1
C425.....D1
C426.....D1
C429.....E4
C430.....F3
C432.....E2
C433.....E2
C435.....E2
C436.....D2
C437.....F2
C443 .....G4
C444 .....G4
C446 .....G4
C448 .....G3
C449 .....G3
C451 .....G2
C452 .....G3
C455 .....G4
C461.....E4
C462.....F5
C464.....E5
C466.....F2
C467.....F2
C468.....D5
C469.....F2
C470.....F4
C471.....F2
C472.....F4
C474.....F3
C475.....E3
C476.....F5
C477.....F3
C478.....D3
C481 .....G2
C484 .....G4
C486.....F3
C491 .....G1
C493 .....G1
C802.....B5
C803.....B4
C804.....C5
C805.....C5
C806.....C4
C807.....C5
C808.....B4
C809.....B4
C810.....B4
C811.....A5
C812.....A5
C813.....A5
C816.....A4
C829.....C4
C830.....C5
C831.....A4
C832.....A4
C833.....A4
C834.....A1
C841.....A3
C842.....A2
C851.....A2
C852.....A2
C853.....A2
C854.....A1
C861.....A2
C862.....A2
C863.....B2
C866.....A1
C871.....B3
C872.....B3
C873.....B2
C874.....B2
C876.....A1
C881.....B3
C882.....B2
C884.....C2
C888.....B1
C889.....C2
C891.....B2
C892.....B2
C893.....C2
C895.....C3
C896.....C3
C897.....C3
C898.....C3
C899.....C1
C42A.....F2
C46A.....G1
C46C.....G2
C46D.....G3
C46E.....G4
C46H E1
C46J.....G2
C46K.....F4
C49A.....G1
C49B.....F1
D401 .....G3
D402.....B1
D403 .....G3
D404.....B1
D406 .....G3
D408.....E3
D409 .....G2
D410.....F3
D414.....E4
D415.....E4
D416.....E5
D417.....F5
D418.....F4
D419.....F2
D420.....F2
D421 .....G4
D422.....E2
D423.....E3
D424.....E3
D425.....F2
D427.....D3
D430 .....G4
D431.....F4
D434 .....G4
D435.....F4
D437 .....G2
D440.....F3
D488.....D2
D803.....C5
D804.....C4
D805.....C5
D810.....A4
D811.....A5
D812.....A5
D813.....A5
D831.....A4
D832.....A1
D833.....A4
D841.....A3
D842.....A1
D851.....A3
D852.....A1
D853.....A1
D861.....B2
D862.....B2
D863.....A1
D864.....B1
D873.....B1
D874.....B1
D876.....B1
D881.....B3
D891.....B2
D892.....C3
FB401.....E5
FB402.....D2
FB403.....F3
FB801.....B5
FB802.....B4
FB805.....B4
FB841.....A3
FB851.....A3
FB852.....A2
FB861.....A3
FB871.....B3
FB872.....B3
FB881.....B3
FB882.....C1
FB891.....B3
FB892.....B3
G1 .....G5
G2 .....G5
G3 .....G5
G4.....F5
G5.....F5
G6.....E5
G7.....E5
G8.....E5
G9.....E5
G10 .....G5
G11.....F5
G12.....F5
G13.....F5
G14.....F4
G15.....F4
G16.....F3
G17.....F3
G22.....E3
G23.....E3
G24 .....D3
G25 .....D3
G30.....E2
G31.....E2
G32 .....D2
G33 .....D2
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G36 .....D2
G37 .....D2
G38 .....D2
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G40 .....D2
G41 .....D2
G42 .....D2
G43 .....D1
G44 .....D1
G45 .....D1
G46 .....D1
G47.....E2
G48.....E2
G49 .....D5
G50 .....D5
G801.....B5
G802.....B5
G803 .....C5
G804 .....C4
G805 .....C5
G806.....A5
G807.....A5
G808.....A5
G809.....A5
G810.....A4
G811.....A4
G814.....A1
G815.....A1
G816.....A2
G817.....B2
G818.....B2
G819.....B2
G820.....B2
G821.....B2
G822.....B1
G823.....B1
G824.....B2
G825.....B2
G826.....B2
G827.....B2
G828.....B2
G829.....B2
G830 .....C2
G831 .....C2
G832 .....C2
G833 .....C2
G834 .....C3
G835 .....C3
G836 .....C3
G837 .....C3
G840.....A2
G841.....A2
IC401.....F2
IC402 .....G3
IC403 .....G2
IC404.....E1
IC405 .....G4
IC408 .....G2
IC409.....F1
IC410 .....G1
IC801.....C4
IC802.....A5
IC831.....A4
IC832.....A4
IC833.....B3
IC851.....A2
IC881.....B2
IC891.....C3
J403.....F1
J404.....F1
J407.....F1
J409 .....G2
J410 .....G4
J411.....F4
J412 .....G4
J414.....F3
J415.....F2
J416.....F2
J417.....F2
J418.....F2
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J421 .....G3
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J429.....F2
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J432.....F2
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J435.....E2
J436 .....D2
J437.....F1
J438.....F1
J439.....F1
J445.....E1
J446.....E1
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J450 .....D1
J451 .....D1
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J456 .....D3
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J462.....E3
J463.....E4
J464 .....D4
J465 .....D5
J466 .....D5
J467.....E5
J469.....E4
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L403.....F3
L404 .....D4
L405.....F3
L852 .....A1
L861 .....B2
L891 .....C2
L892 .....C3
P415.....G2
P416.....G3
P417 .....F5
P420.....G2
P421 .....F5
P804.....C5
P805.....C5
P401A G1
P403A.....E1
P404A.....E1
P405A.....F3
P406A C1
P410A D2
P410C E2
P410E.....E2
P410F.....E2
P42A.....F5
P42B.....F5
P42C.....F5
P801A.....B5
P801B.....B5
P801C B5
P801D B5
P841A.....B1
P861A.....A1
Q402 .....D1
Q403 .....D2
Q405 .....G5
Q406 .....G5
Q407 .....G3
Q408 .....G3
Q409 .....G4
Q410 .....G4
Q413.....F4
Q416 .....D5
Q417.....E2
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Q424.....E3
Q428 .....G4
Q432.....E2
Q802.....A4
Q831.....A4
Q832.....A3
Q872.....B1
Q891 .....C2
Q46A.....G1
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R401.....C2
R402 .....G4
R403.....C2
R404.....C1
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R406 .....F3
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R410.....C4
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R808.....C4
R811.....A5
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R818.....A5
R819.....A5
R820.....A5
R821.....A5
R827.....A5
R828.....A5
R829.....A5
R830.....C4
R831.....A4
R832.....A4
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R835.....A3
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R837.....A1
R838.....A1
R839.....A4
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R871.....B1
R872.....B2
R887.....C2
R891.....C3
R892.....C3
R893.....C3
R894.....C3
R895.....C2
R897.....C2
R898.....B1
R899.....C2
R40A.....F2
R40C D3
R40D C3
R40E D3
R40F D3
R40G B1
R40H B1
R40I G4
R40J.....G4
R40K C3
R40L.....D3
R40M.....D3
R40N F2
R40P G4
R40Q F2
R40T G2
R40U.....G2
R40V.....F2
R40W.....G2
R40X E1
R40Y.....F3
R40Z D2
R41A E1
R41B E1
R41C C2
R41D.....G4
R41E C2
R41K E3
R41L.....E3
R41M.....E1
R41N E1
R41P C2
R41R C2
R42A.....F2
R46A G2
R46B G1
R46D.....G3
SCR1.....F2
SCR2.....E3
SG401 .....F5
SG402.....G5
T401 .....D1
T402 .....F5
T403 .....E4
T405 .....F3
T406.....G5
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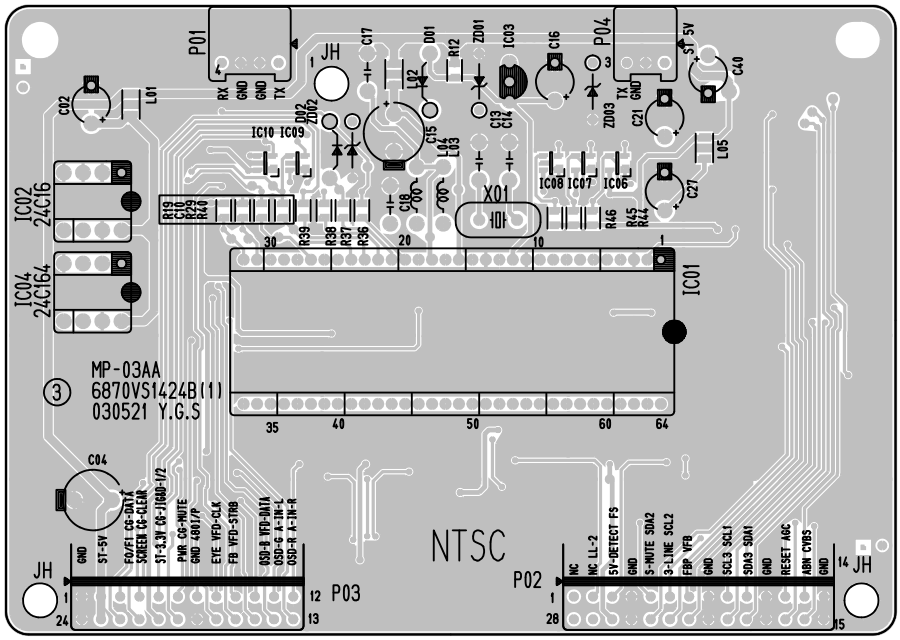
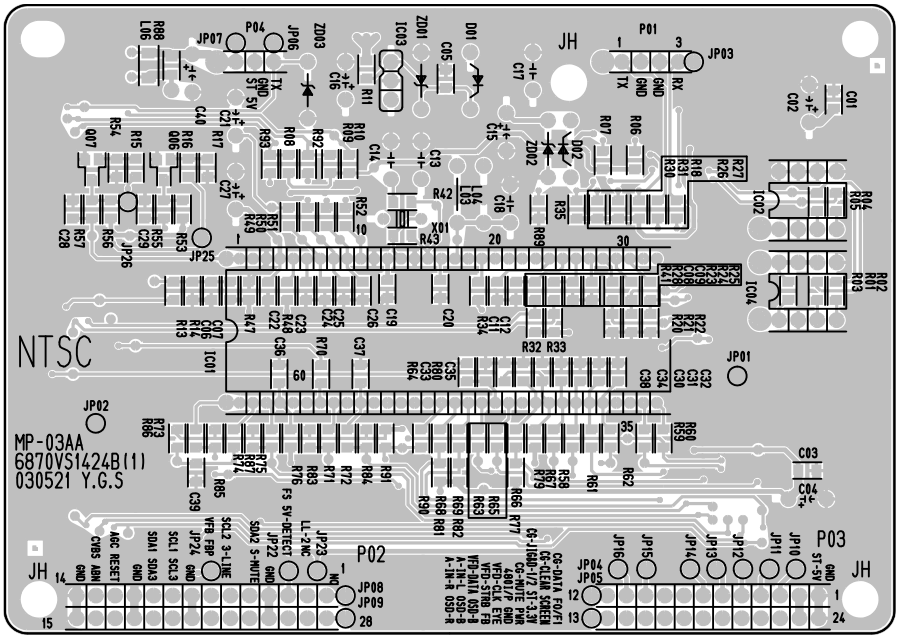
VR401 .....G2
ZD831.....A4
ZD46A F1

PRINTED CIRCUIT BOARD

MICOM(TOP)

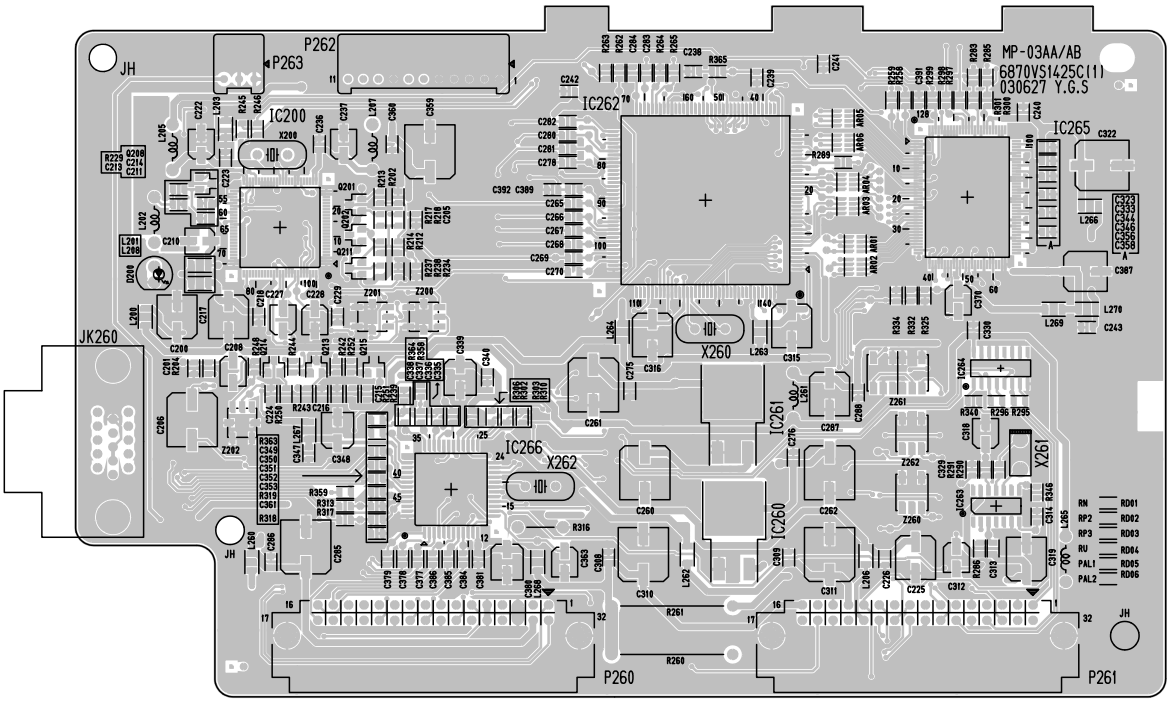


MICOM(BOTTOM)

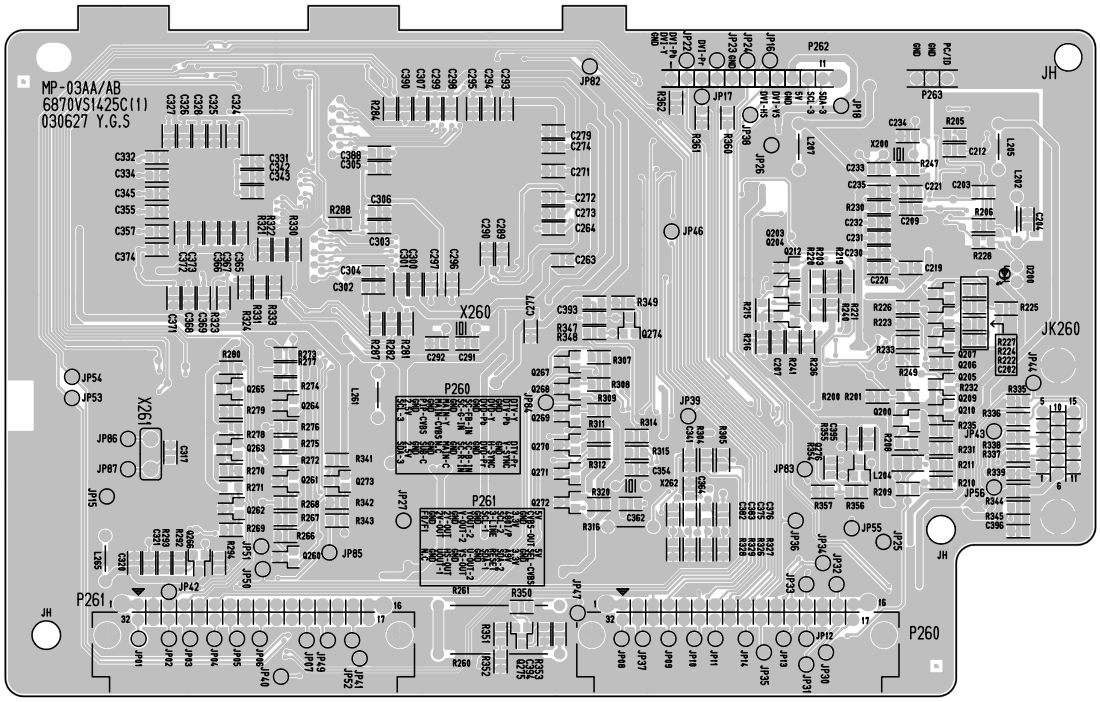


PRINTED CIRCUIT BOARD

DIGITAL(TOP)

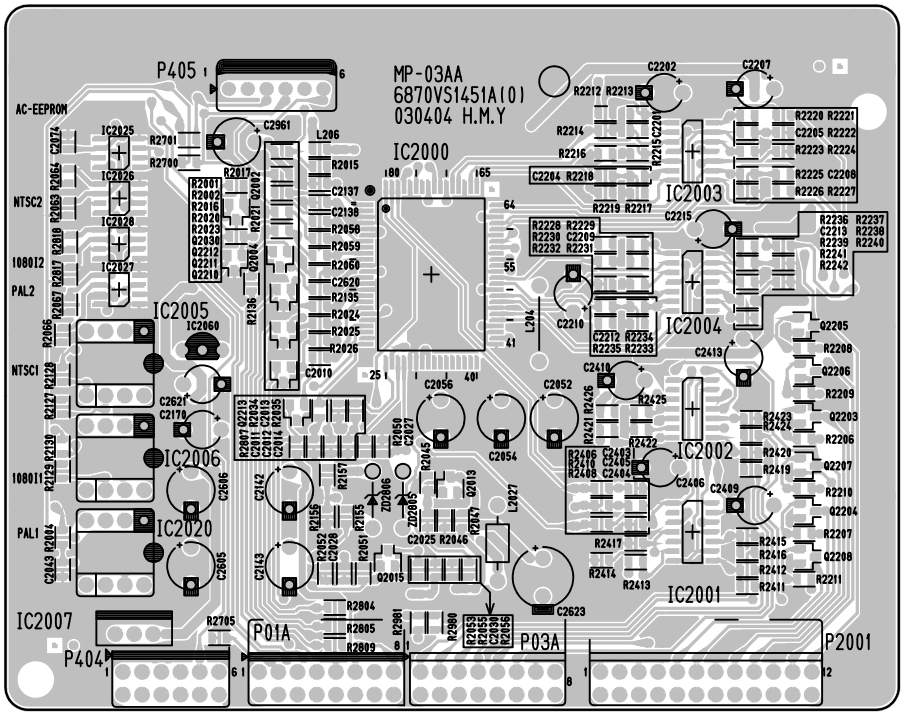


DIGITAL(BOTTOM)

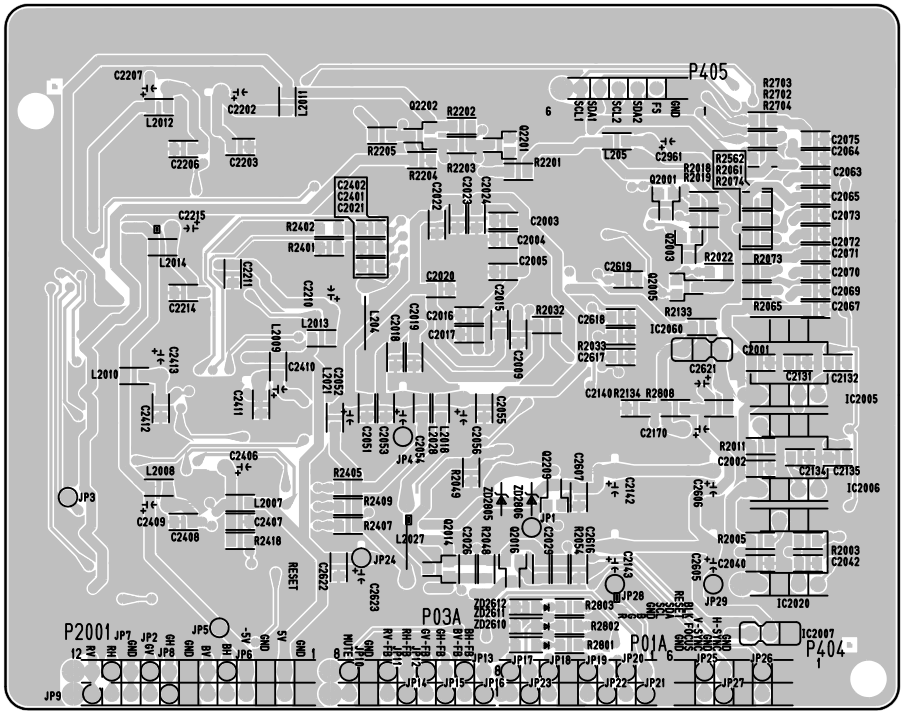


PRINTED CIRCUIT BOARD

D-CON(TOP)

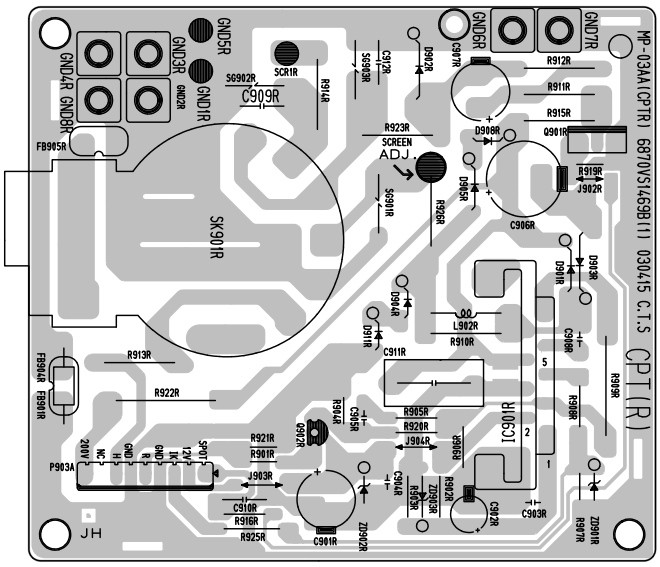


D-CON(BOTTOM)

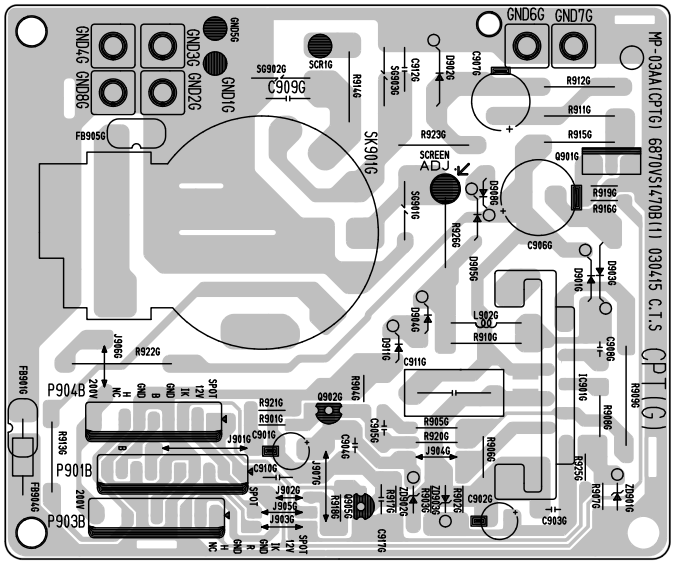


PRINTED CIRCUIT BOARD

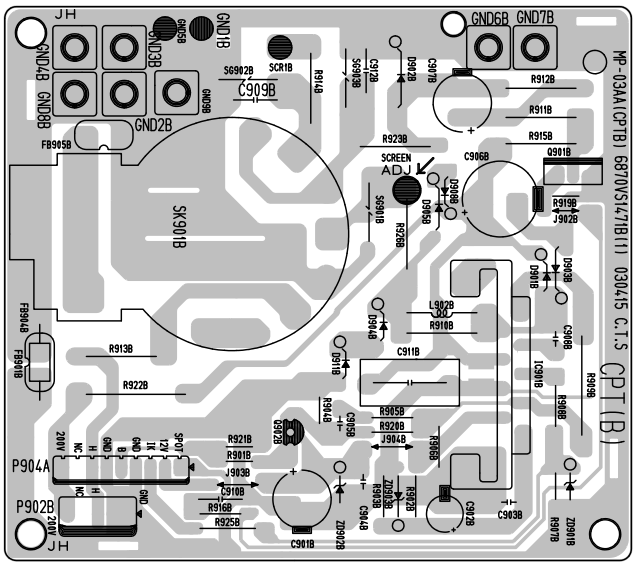
PRT-R



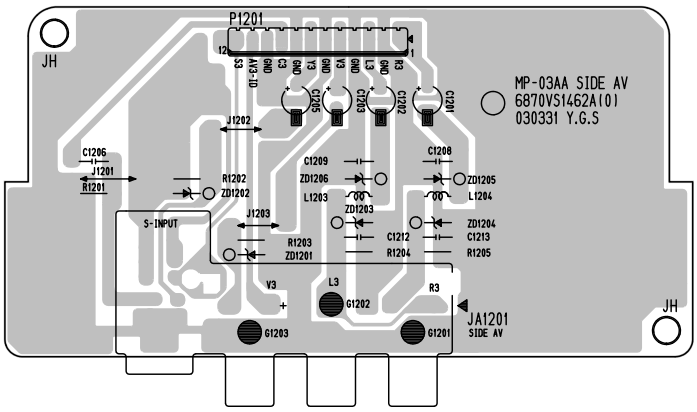
PRT-G



PRT-B

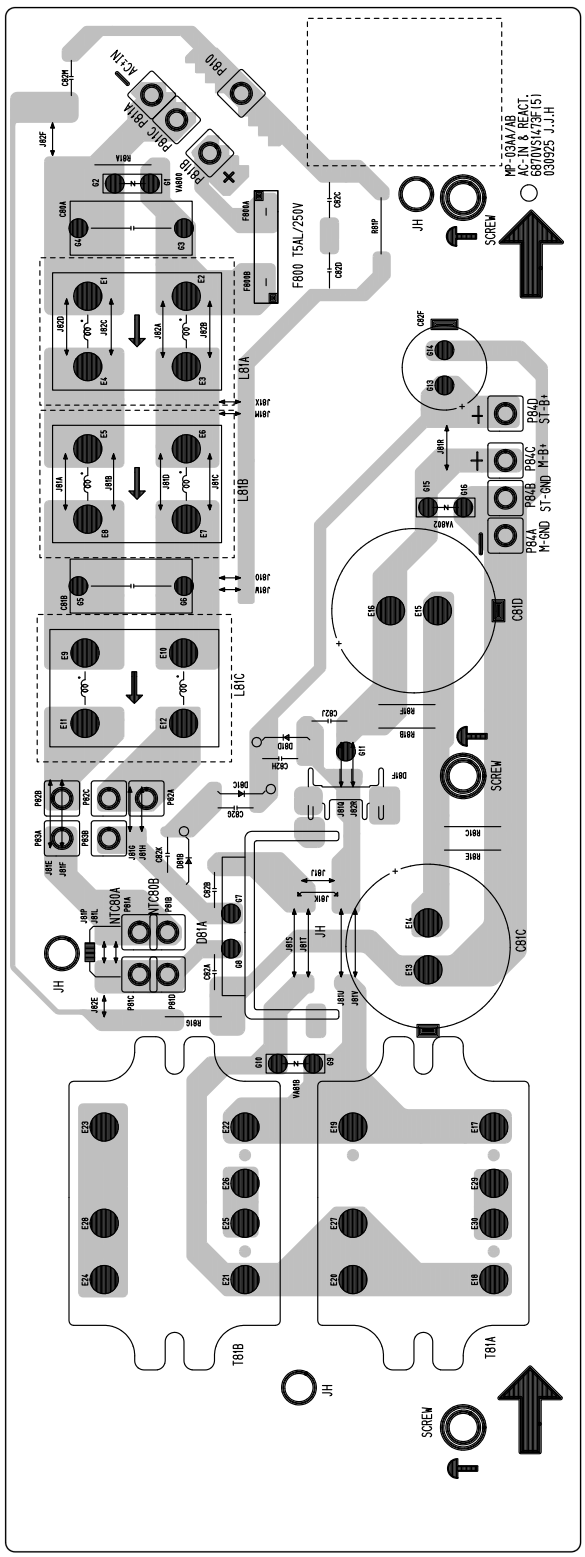


SIDE-AV

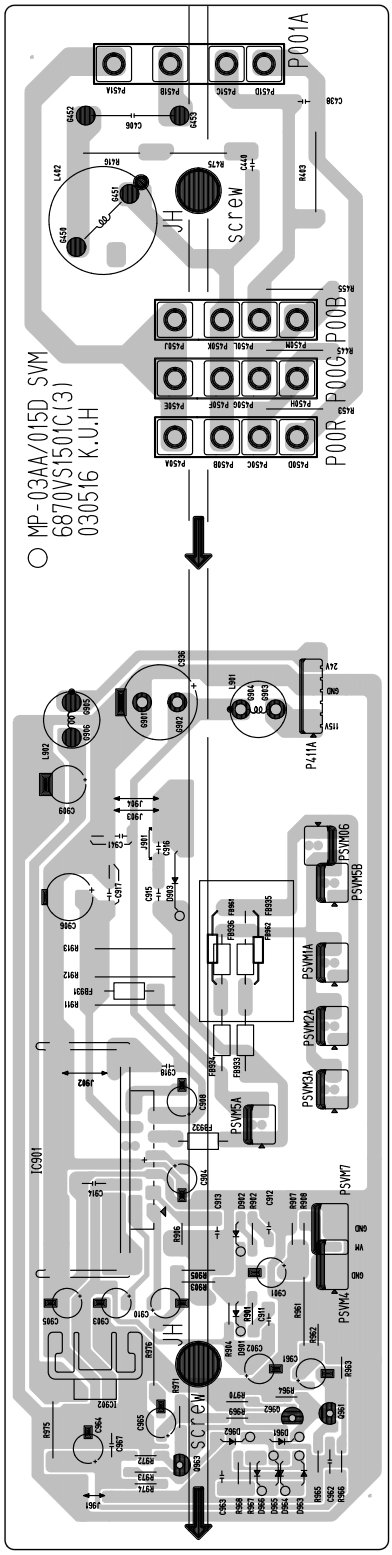


PRINTED CIRCUIT BOARD

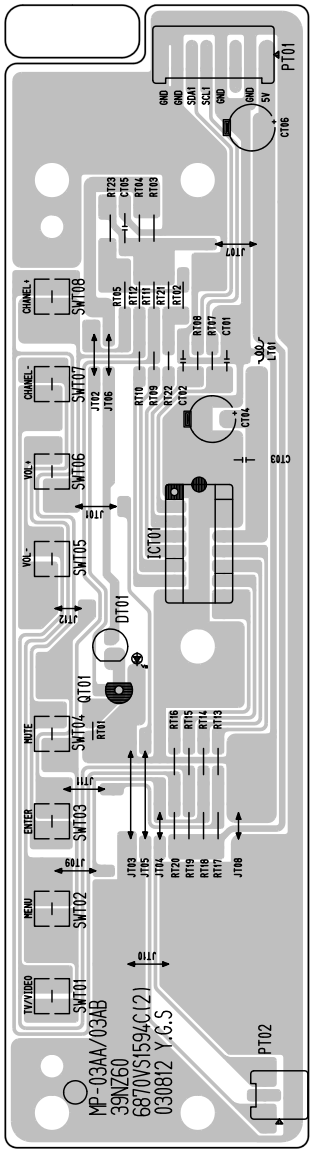
SMPS



SVM

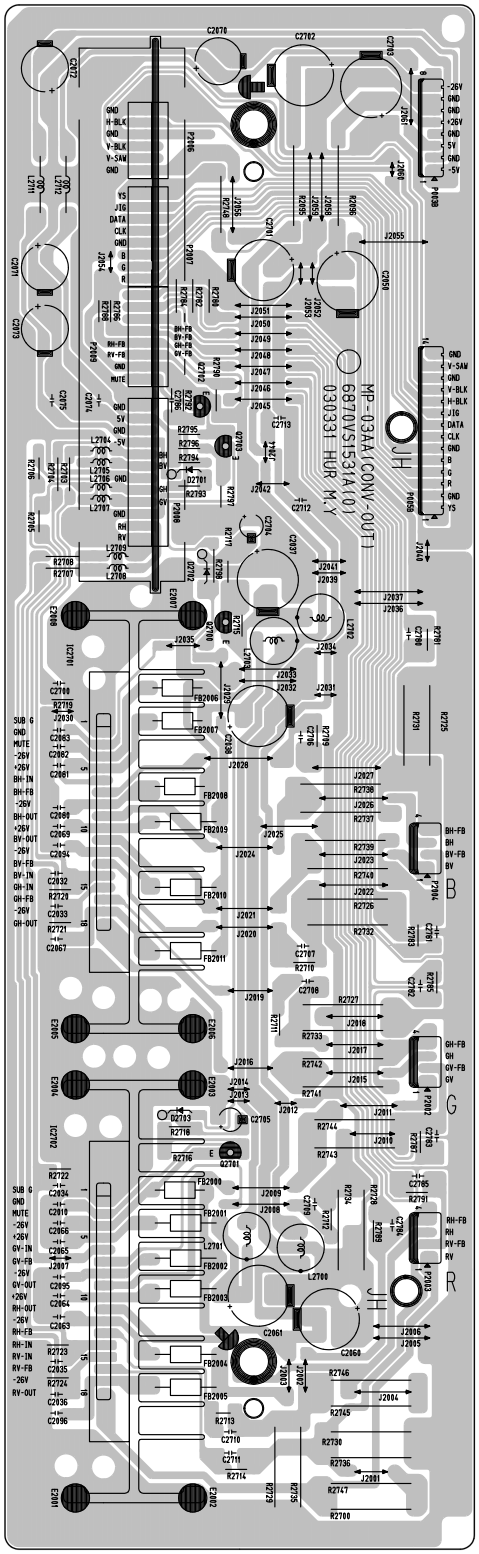


CONTROL

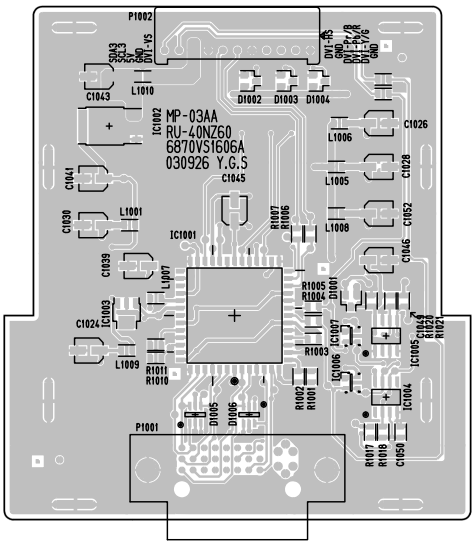


PRINTED CIRCUIT BOARD

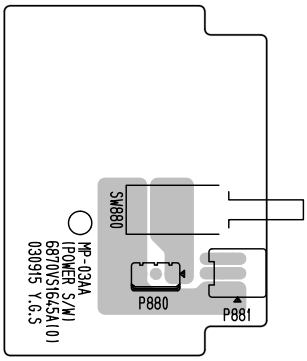
CONV-OUT



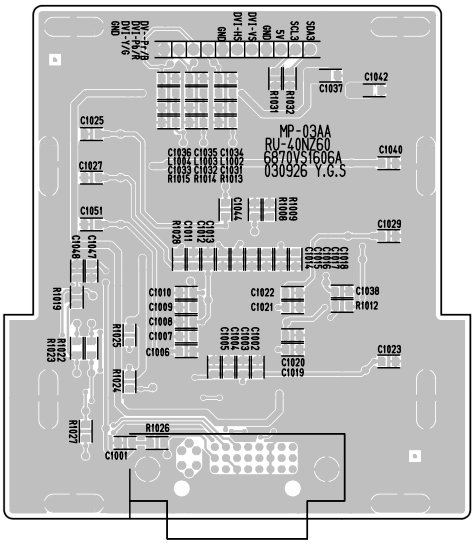
DVI(TOP)



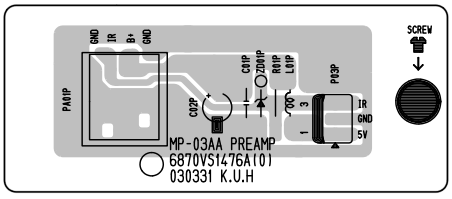
POWER S/W



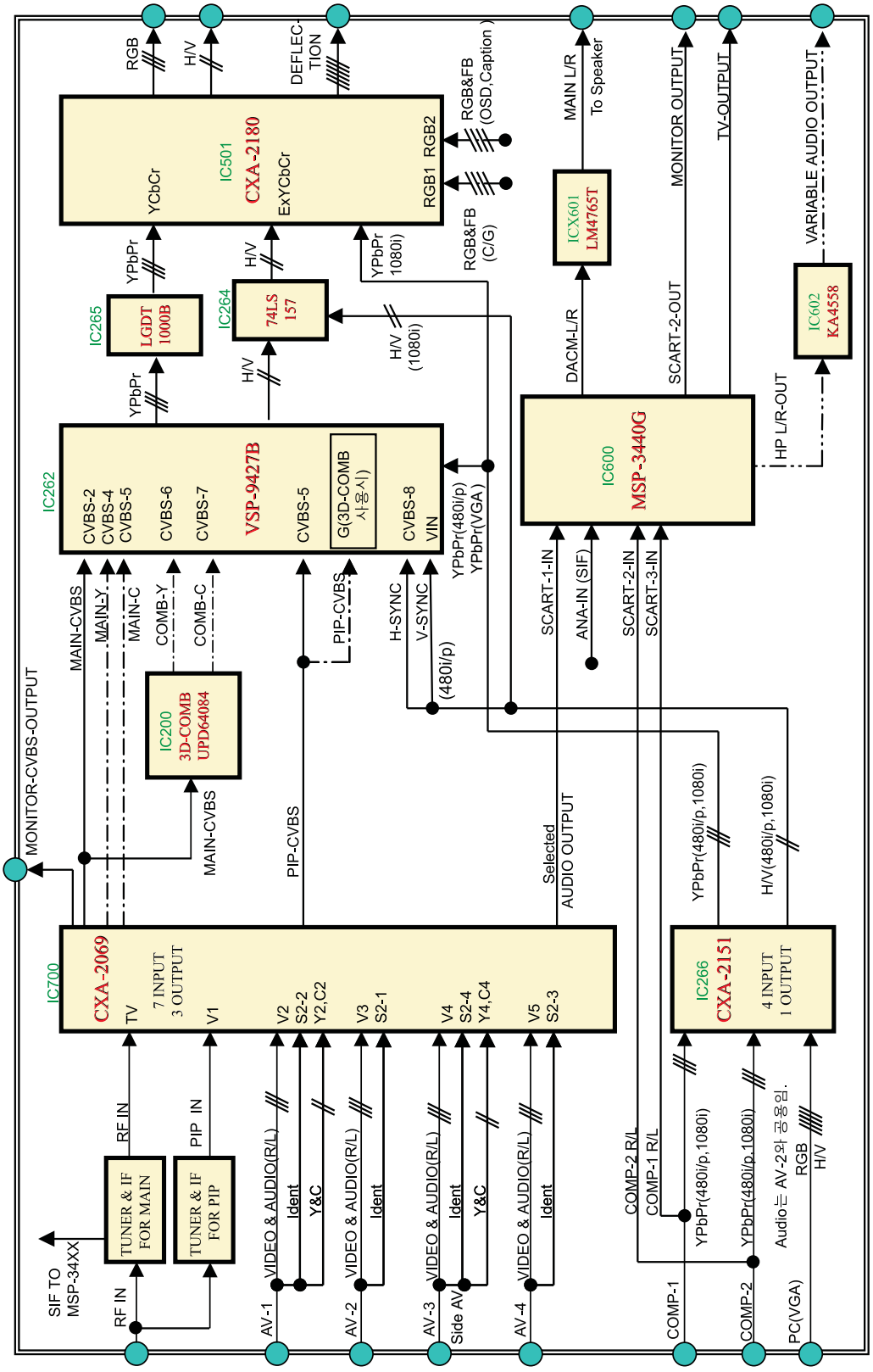
DVI(BOTTOM)



PRE-AMP

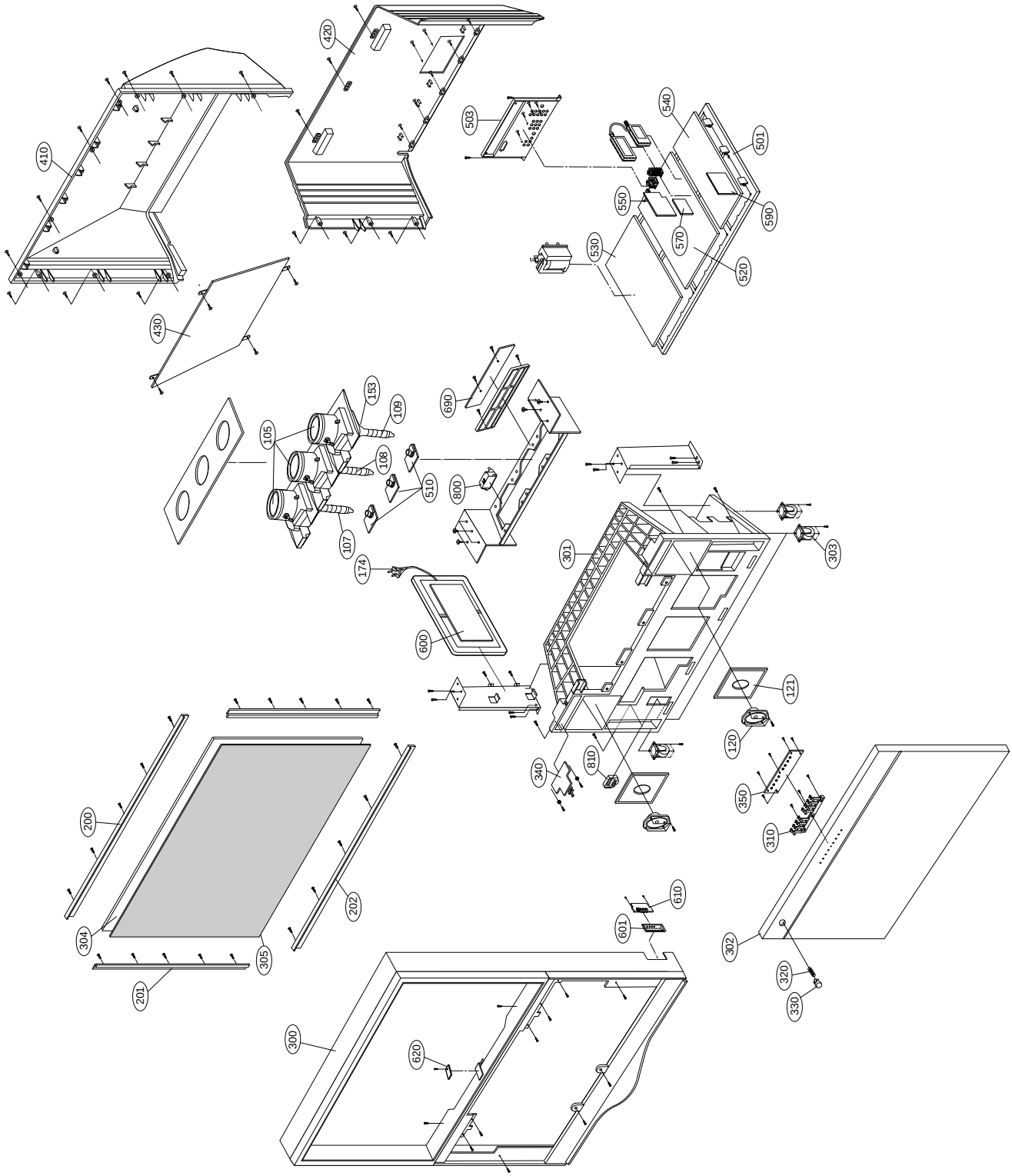


BLOCK DIAGRAM



NOTES

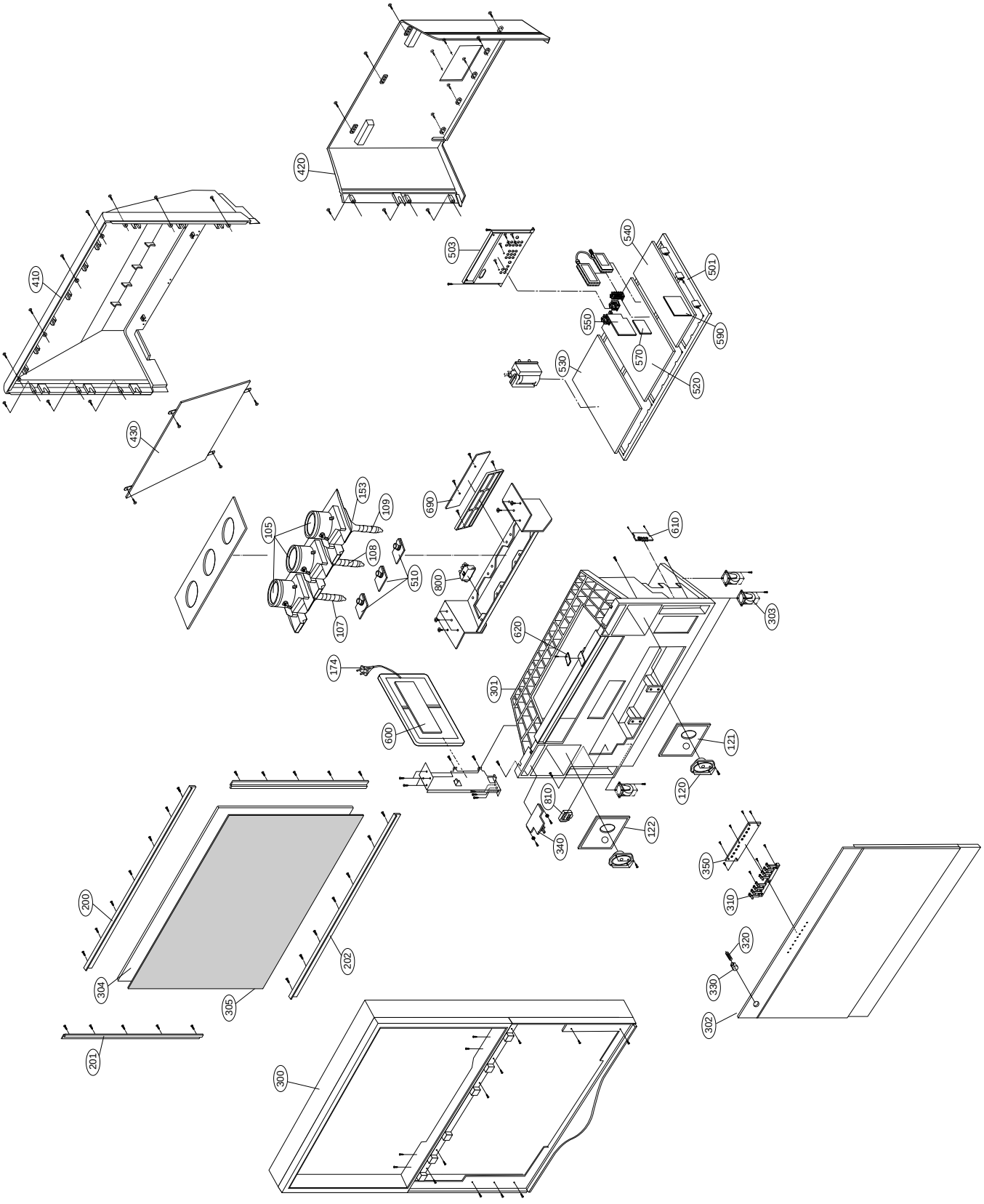
EXPLODED VIEW(R40W46/46F/46FA)



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
105	3680V00109A	LENS,NON LENS RU-39NZ40H 3M-PO D-72 LENS ASSY
⚠ 107	4810V00917K	BRACKET,PRT ASSY SKD RS MP03AA NON D-72 R CLENS+MDDA CPT+COUPLER
⚠ 108	4810V00917L	BRACKET,PRT ASSY SKD RS MP03AA NON D-72 G CLENS+MDDA CPT+COUPLER
⚠ 109	4810V00917M	BRACKET,PRT ASSY SKD RS MP03AA NON D-72 B CLENS+MDDA CPT+COUPLER
120	120-D38E	SPEAKER,MID-RANGE,LG FOSTER 8 OHM 15/25W 87DB 128X77MM
121	4810V00697D	BRACKET,SPEAKER RU-40NZ60 MP03AA HIPS 40AF (WITH CKD)
⚠ 153	6150V-1026A	DY,6150Z-1100L 07 LPDBJ 38KHZ 2.5H DEFLECTION YOKE MP-03AA
174	6410VUH004A	POWER CORD,UL/CSA3000MM 3P 3000MM
200	4980V00899C	SUPPORTER,SCREEN SECC(EGI) TOP
	4980V00899E	SUPPORTER,SCREEN SECC(EGI) *R40W46
201	4980V00900C	SUPPORTER,SCREEN SECC(EGI) SIDE
	4980V00900E	SUPPORTER,SCREEN SECC(EGI) SIDE *R40W46
202	4980V00901C	SUPPORTER,SCREEN SECC(EGI) BOT
	4980V00901E	SUPPORTER,SCREEN SECC(EGI) BOT *R40W46
300	3091V00500K	CABINET ASSEMBLY,RU-40NZ60.TAMZRZ3 STEREO MP03AA LGERS
301	3091V00501H	CABINET ASSEMBLY,RU-40NZ60.TAMZRZ3 STEREO MP03AA ZENITH
302	3211V00128L	FRAME ASSEMBLY,FRONT LOWER RU-40NZ60.TAMZRZ3 ZENITH
303	4778V00079A	LEG,ROLLER CASTER RN-39NZ40 NON .
304	3350V00083A	SCREEN
305	3790V00717B	GLARE,NO BLACK PRINT(R40W46F MODEL)
310	5020V00812E	BUTTON,CONTROL RU-40NZ60 ABS, HF-380 8KEY (CKD)
320	320-062E	SPRING,KNOB
330	5020V00797C	BUTTON,POWER RU-40NZ60 ABS, AF-303S 8KEY SPRAY(#102)
340	6871VSMX46A	PCB ASSEMBLY,SUB MP03AA M/I POWER S/W (SUB) RU-40NZ60
350	6871VSMX45A	PCB ASSEMBLY,SUB CONT MP03AA M/I CONTROL RU-40NZ60
410	3809V00347H	BACK COVER ASSEMBLY,UPPER,RU-40NZ60.TAMZRZ3 1PHONE LGERS EXPORT
420	3809V00348K	BACK COVER ASSEMBLY,LOWER,RU-40NZ60.TAMZRZ3 1PHONE ZENITH
430	5018V00050A	MIRROR,PROJECTION MIRRORLITE Mirror R3 39(WIDE) FILM MIRROR
501	4810V00752A	BRACKET,MAIN RN-44NZ73 MP03AA HIPS 40AF .
503	4811V00064A	BRACKET ASSEMBLY,REAR AV RU-40NZ60 MP03AA LGERS
510	6871VSMV08E	PCB ASSEMBLY,SUB CPT MP03AA M/I NORTH AMERICA RU40NZ60
520	6871VMN662A	PCB ASSEMBLY,MAIN MP03AA M/I NTSC RU-40NZ60.AAMZKX NORTH-AMERICA
	6871VMN662E	PCB ASSEMBLY,MAIN MP03AA M/I *R40W46FA
530	6871VDM906A	PCB ASSEMBLY,DEFLECTION MAIN2 MP03AA 16:9, 110-220V, NORTH-AMERICA
540	6871VSMC38A	PCB ASSEMBLY,SUB CVG MP03AA NTSC 250 AMP CONVERGENCE
550	6871VSMW65B	PCB ASSEMBLY,SUB DIGITAL MP03AA M/I DIGITAL W/ 3D-COMB NORTH-AMERICA
	6871VSMW65C	PCB ASSEMBLY,SUB DIGITAL MP03AA M/I *R40W46FA
560	6871VSMW64A	PCB ASSEMBLY,SUB MP03AA DVI-INTERFACE M/I NORTH AMERICA
570	6871VSMW66A	PCB ASSEMBLY,SUB MP03AA NTSC-MICOM M/I RU-40NZ60.AAMZKX NORTH
	6871VSMW66E	PCB ASSEMBLY,SUB MP03AA NTSC-MICOM M/I *R40W46FA
590	6871VSMC04C	PCB ASSEMBLY,SUB CVG MP03AA D-CON M/I NOT AC EEPROM
600	6871VPMA29A	PCB ASSEMBLY,POWER SUB MP03AA AC-INPUT M/I NORTH-AMERICA
601	4810V00909B	BRACKET,SIDE AV
610	6871VSMV11E	PCB ASSEMBLY,SUB S/IN MP03AA M/I SIDE-AV RU-40NZ60.AAMZKX NORTH
620	6871VSMW39A	PCB ASSEMBLY,SUB P/AMP MP03AA M/I PRE-AMP RN-39NZ60H
690	6871VSMV58A	PCB ASSEMBLY,SUB VM MP03AA MI STK396-130
800	4410Z-A001L	FBT (FLY BACK TRANSFORMER),4410Z-A001K 44 JW VE TYPE
810	180-836H	FOCUS PACK,FOCUS PACK 836E

EXPLODED VIEW(R45W46/46F/46FA)



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
105	3680V00065B	LENS,NON NON CPL D-250 LENS ASSY
⚠ 107	4810V00780X	BRACKET,PRT ASSY RS C/SKD MP03AB NON D-250 R CLENS+COUPLER+MDDA CPT
⚠ 108	4810V00780Y	BRACKET,PRT ASSY RS C/SKD MP03AB NON D-250 G CLENS+COUPLER+MDDA CPT
⚠ 109	4810V00780Z	BRACKET,PRT ASSY RS C/SKD MP03AB NON D-250 B CLENS+COUPLER+MDDA CPT
120	120-D38E	SPEAKER,MID-RANGE LG FOSTER 8 OHM 15/25W 87DB 128X77MM
121	4810V00791C	BRACKET,SPEAKER RE-45NZ60RB MP03AB HIPS 60HR (RIGHT), CKD
122	4810V00791D	BRACKET,SPEAKER RE-45NZ60RB MP03AB HIPS 60HR (LEFT), CKD
⚠ 153	6150V-1026A	DY,6150Z-1100L 07 LPDBJ 38KHZ 2.5H DEFLECTION YOKE MP-03AA
174	6410VUH004A	POWER CORD,UL/CSA3000MM 3P 3000MM
200	4980V00958C	SUPPORTER,SCREEN SECC(EGI) (TOP), CKD
	4980V00958D	SUPPORTER,SCREEN SECC(EGI) (TOP) *R45W46F/46FA
201	4980V00959C	SUPPORTER,SCREEN SECC(EGI) SIDE(L/R), CKD
	4980V00959D	SUPPORTER,SCREEN SECC(EGI) SIDE(L/R) *R45W46F/46FA
202	4980V00960D	SUPPORTER,SCREEN SECC(EGI) (BOTTOM), CKD
	4980V00960E	SUPPORTER,SCREEN SECC(EGI) (BOTTOM) *R45W46F/46FA
300	3091V00549D	CABINET ASSEMBLY,RU-45NZ60 NON MP03AA EXPORT LGERS
301	3091V00550D	CABINET ASSEMBLY,RU-45NZ60 NON MP03AA EXPORT LGERS
302	3211V00156G	FRAME ASSEMBLY,FRONT LOWER RU-45NZ60 EXPORT LGERS
303	4778V00011B	LEG,ROLLER CASTER 3T .
304	3350V00054A	SCREEN,KURARAY NON - R3 44(W) ..
305	3790V00746A	GLARE,NO BLACK PRINT(R45W46F MODEL)
310	5020V00812E	BUTTON,CONTROL RU-40NZ60 ABS, HF-380 8KEY (CKD)
320	320-062E	SPRING,KNOB
330	5020V00818E	BUTTON,POWER RU-45NZ60 ABS, AF-303S 1KEY CKD
340	6871VSMY33A	PCB ASSEMBLY,SUB PSW AP03NB DU-45NZ60 PSW M/I
350	6871VSMX45A	PCB ASSEMBLY,SUB CONT MP03AA M/I CONTROL RU-40NZ60
410	3809V00384D	BACK COVER ASSEMBLY,UPPER, RU-45NZ60 NON EXPORT LGERS
420	3809V00385F	BACK COVER ASSEMBLY,LOWER, RP-45NZ60P 2PHONE EXPORT LGERS
430	5018V00028B	MIRROR,PROJECTION MIRRORLITE Mirror R3 44(WIDE) FILM MIRROR
501	4810V00879A	BRACKET,MAIN RN-44NZ60 MP03AA HIPS 40AF .
503	4811V00064A	BRACKET ASSEMBLY,REAR AV RU-40NZ60 MP03AA LGERS
510	6871VSMV08B	PCB ASSEMBLY,SUB CPT MP03AB M/I EXPORT NO HIGH VOLTAGE LABEL
520	6871VMN662F	PCB ASSEMBLY,MAIN MP03AA M/I NTSC RU-40NZ60.AAMZKX NORTH-AMERICA
	6871VMN662E	PCB ASSEMBLY,MAIN MP03AA M/I *R45W46FA
530	6871VDM906B	PCB ASSEMBLY,DEFLECTION MAIN2 MP03AA 16:9, 110-220V,150MM, NORTH-
540	6871VSMC38A	PCB ASSEMBLY,SUB CVG MP03AA NTSC 250 AMP CONVERGENCE
550	6871VSMW65B	PCB ASSEMBLY,SUB DIGITAL MP03AA M/I DIGITAL W/ 3D-COMB NORTH-AMERICA
	6871VSMW65C	PCB ASSEMBLY,SUB DIGITAL MP03AA M/I *R45W46FA
560	6871VSMW64A	PCB ASSEMBLY,SUB MP03AA DVI-INTERFACE M/I NORTH AMERICA
570	6871VSMW66D	PCB ASSEMBLY,SUB MP03AA NTSC-MICOM M/I RU-40NZ60.AAMZKX NORTH-
	6871VSMW66E	PCB ASSEMBLY,SUB MP03AA NTSC-MICOM M/I *R45W46FA
590	6871VSMC04C	PCB ASSEMBLY,SUB CVG MP03AA D-CON M/I NOT AC EEPROM
600	6871VPMA29A	PCB ASSEMBLY,POWER SUB MP03AA AC-INPUT M/I NORTH-AMERICA
610	6871VSMW32D	PCB ASSEMBLY,SUB S/IN MP03AB M/I SIDE-AV (1000MM) RE-45NZ60RB
620	6871VSMV15A	PCB ASSEMBLY,SUB P/AMP MP03AA M/I PRE-AMP (NTSC) 1200MM, W/O HOLDER
690	6871VSMV58A	PCB ASSEMBLY,SUB VM MP03AA MI STK396-130
800	4410Z-A001L	FBT (FLY BACK TRANSFORMER),4410Z-A001K 44 JW VE TYPE
810	180-836K	FOCUS PACK,W18-601-02 YINYANG 180-836H

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;
CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

RUN DATE : 2003.9.27

LOCA. NO	PART NO	DESCRIPTION
	IC	
D861	0ISK100300A	SLA1003 SIP12 BK DIODE MODULE LF816
IC02	0IAL241610B	AT24C16A-10PI-2.7 8PIN DIP ST EEPROM
IC03	0IFA754207A	KA75420ZTA 3P,TO-92 TP 4.2V RESET IC
IC100	0ISG111733B	LD1117V33C 3SIP ST REGULATOR -
IC1001	0IMCRS5004A	SIL907BCQ52TR SILICON IMAGE 52P
IC1002	0ISG111733A	LD1117DT33C-TR 3, 3.3V,2.5K/REEL
IC1003	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC1004	0IPH827150A	P82B715T 8SOP R/TP IIC FD-60X3R
IC1005	0IMMRAL014B	8P SOIC R/TP 2K(256X8) 2-WIRE
IC101	0IKE780500Q	KIA7805API 3P TO-220 ST REGULATOR 5V
IC102	0IFA754207A	KA75420ZTA 3P,TO-92 TP 4.2V RESET IC
IC103	0IKE780500Q	KIA7805API 3P TO-220 ST REGULATOR 5V
IC103	0IKE780500Q	KIA7805API 3P TO-220 ST REGULATOR 5V
IC104	0IKE780900M	KIA7809API TO220 ST 3P 9V REGULATOR
IC105	0ISH052100C	PQ05RD21 4SIP ST REGULATOR -
IC106	0ISH323422A	PQ3RF23 4P(TO-220) 3.3V REGUL
IC107	0ISG111725B	LD1117V25 3 SIP ST REGULATOR MC006A
IC200	0IMCRNE032A	UPD64084GC-8EA NEC 100P LQFP TRAY
IC2000	0ICTMSG001A	STV2050A SGS-THOMSON 80PIN TQFP
IC2003	0ITI347000A	LF347D 14P,SOP TP QUAD OPERATIONAL
IC2004	0ITI347000A	LF347D 14P,SOP TP QUAD OPERATIONAL
IC2005	0IAL241610B	AT24C16A-10PI-2.7 8PIN DIP ST EEPROM
IC2006	0IMCRAL003B	AT24C164-10PI-2.7 8P PDIP EEPROM 164K
IC2007	0ISG111733B	LD1117V33C 3SIP ST REGULATOR -
IC2026	0IMCRAL003C	AT24C164-10SI-2.7 ATMEL 8P SOIC R/TP
IC2028	0IMCRAL003C	AT24C164-10SI-2.7 ATMEL 8P SOIC R/TP
IC2060	0IFA752700A	KA75270Z 3 TP RE-SET IC MC-007
IC260	0IPMGSG016A	STM 3P D2PAK R/TP 1.8V 1.5A
IC261	0IPMGSG016A	STM 3P D2PAK R/TP 1.8V 1.5A
IC262	0IMCRMN016B	144P QFP TRAY DIGITAL RGB/YUV
"	0IMCRMN030A	VSP9425B-XZ-C3 144P *R40/45W46FA
IC263	0ISA721700C	LA7217M MFP14 TP SYNC SEPARATOR
IC264	0IMCRFA012A	DM74LS157MX 16P SOIC R/TP 2LINE TO
IC265	0ICTMLG010A	LGDT1000B LG IC QFP 128P TRAY DRP2
IC266	0IMCRSO008A	CXA2151Q SONY 48P QFP TRAY 60LCD
IC2701	0ISA392120A	STK392-120 18P,SIP BK CONVERGENCE
IC2702	0ISA392120A	STK392-120 18P,SIP BK CONVERGENCE
IC401	0IKE358000A	KIA358P DIP8 DUAL OP-AMP BK
⚠ IC402	0ISS393000G	KA393 COMPARATOR 8DIP BK OP AMP
IC403	0IKE781200P	KIA7812API TO220 ST 3P 12V
IC404	0ISA784600A	7846 SIP,10P BK V-OUT IC
IC405	0IFA754207A	KA75420ZTA 3P,TO-92 TP 4.2V RESET IC
IC408	0IKE358000A	KIA358P DIP8 DUAL OP-AMP BK
IC409	0ISS790500C	KA7905 POWER INTEGRATION TO220 BK
IC410	0IKE780500Q	KIA7805API 3P TO-220 ST 5V(=KIA7805PI)
IC500	0ISH122100B	PQ12RD21 4SIP ST REGULATOR -
IC501	0IMCRSO013B	CXA2180Q SONY 64P QFP TRAY BACK-

LOCA. NO	PART NO	DESCRIPTION
IC502	0IKE780500Q	KIA7805API 3P TO-220 ST 5V(=KIA7805PI)
IC503	0ISS393000G	KA393 COMPARATOR 8DIP BK OP AMP
IC504	0IKE780900M	KIA7809API TO220 ST 3P 9V REGULATOR
IC505	0IKE780500P	KIA78L05BP(AT) 3P 5V,150MA - - - -
IC600	0IMCRMN007A	MSP3421G QA B8 V3 MICRONAS 80P QFP
IC601	0IKE780800J	KIA7808API 3 ST REGULATOR .
IC602	0ISS455880A	KA4558D 8SOP OP AMP
IC700	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC801	0ISK665813A	STR-F6658B(LF1352) 5PIN SIP BK STR
IC802	0IPMGSK003A	STR-A6351 SANKEN 8 DIP ST SMPS 1
IC831	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC832	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC833	0ILI817000G	LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC851	0IMO257633A	LM2576TV-3.3 5PIN ST REGULATOR
IC881	0IKE782400C	KIA7824API 3 ST REGULATOR .
IC891	0ISK105000A	SE105N 105V ERROR AMP(NO.12) - - - -
IC901	0IZZVF0018C	STK396-130 11P ST HDTV (BW 10M)
IC901B	0IPH611190A	TDA6111Q 9SIP RGB AMP - - - -
IC901G	0IPH611190A	TDA6111Q 9SIP RGB AMP - - - -
IC901R	0IPH611190A	TDA6111Q 9SIP RGB AMP - - - -
IC902	0IKE781200P	KIA7812API TO220 ST 3P 12V
ICT01	0IMCRMI002A	M62320P MITSUBISHI 16DIP ST I/O
ICX601	0IMCRNS006A	LM4765T 15P TO220 ST AMP 30W
	TRANSISTOR	
IC09	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W
IC10	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W
IC1006	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W
IC1007	0TR830009BA	BSS83 TP PHILIPS NON N-CHANNEL S/W
Q06	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q07	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q100	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q100	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q101	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q102	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q107	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q110	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q111	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q113	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q114	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q115	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q116	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q117	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q118	0TR387500AA	CHIP 2SC3875S(ALY) KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q119	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2002	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2003	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2004	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2005	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q201	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2013	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2014	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2015	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2016	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q202	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q203	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q204	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q206	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q208	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q210	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q211	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q212	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q213	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q214	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q215	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2202	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2210	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2211	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2212	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2213	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q260	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q261	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q262	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q263	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q264	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q265	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q266	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q267	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q268	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q269	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q270	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2700	0TR319809AA	KTC3198(KTC1815) TP TO92 50V 150MA
Q2701	0TR319809AA	KTC3198(KTC1815) TP TO92 50V 150MA

LOCA. NO	PART NO	DESCRIPTION
Q2702	0TR319809AA	KTC3198(KTC1815) TP TO92 50V 150MA
Q2703	0TR126609AA	KTA1266-Y(KTA1015) TP TO92 50V 150MA
Q271	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q272	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q273	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q274	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q275	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q276	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q402	0TF630000CB	IRFS630B ST TO220F 200V 6.5A
Q403	0TRTH10007A	2SC5858 ST TO3P VCBO 1700V IC 22A
Q405	0TR126609AA	KTA1266-Y KEC TP TO92 50V 150MA
Q406	0TRFC10001A	KSC5042F-YDTU ST TO220F 1500V 100MA
Q407	0TR126609AA	KTA1266-Y KEC TP TO92 50V 150MA
Q408	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q409	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q410	0TR126609AA	KTA1266-Y KEC TP TO92 50V 150MA
Q411	0TR205900AB	KTD2059-Y TO-220IS KEC
Q413	0TF630000CB	IRFS630B ST TO220F 200V 6.5A
Q416	0TR187900AA	2SD1879 BK SANYO - -
Q416	0TF630000CB	IRFS630B ST TO220F 200V 6.5A
Q417	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q420	0TR421009CB	BF421L(AMMO)TO-92 TP PHILIPS - -
Q423	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q424	0TR126609AA	KTA1266-Y KEC TP TO92 50V 150MA
Q428	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q432	0TR126609AA	KTA1266-Y KEC TP TO92 50V 150MA
Q500	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q501	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q502	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q503	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q504	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q505	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q506	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q507	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q508	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q509	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q510	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q511	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q512	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q513	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q514	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q600	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q601	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q602	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q603	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q606	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q607	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q608	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q609	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q610	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q611	0TR150400BA	CHIP 2SA1504S(ASY) KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q612	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q613	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q614	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q615	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q700	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q700	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q701	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q702	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q703	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q703	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q704	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q705	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q706	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q707	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q708	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q709	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q710	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q711	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q802	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC
Q831	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q832	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q872	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q891	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q901B	0TR437000BA	KTC4370A-Y TO-220IS KEC
Q901G	0TR437000BA	KTC4370A-Y TO-220IS KEC
Q901R	0TR437000BA	KTC4370A-Y TO-220IS KEC
Q902B	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q902G	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q902R	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
Q905G	0TR126609AA	KTA1266-Y KEC TP TO92 50V 150MA
QT01	0TR319809AA	KTC3198 KEC TP TO92 50V 150MA
QX100	0TR387500AA	CHIP 2SC3875S(ALY) KEC
QX101	0TR387500AA	CHIP 2SC3875S(ALY) KEC
QX102	0TR387500AA	CHIP 2SC3875S(ALY) KEC
QX103	0TR387500AA	CHIP 2SC3875S(ALY) KEC
QX104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
QX105	0TR387500AA	CHIP 2SC3875S(ALY) KEC
QX600	0TR322709AA	KTC3227-Y,TP(KTC1627A),KEC

DIODE

D02	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D1001	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D1002	0DD226239AA	CHIP KDS226 SOT-23
D1003	0DD226239AA	CHIP KDS226 SOT-23
D1004	0DD226239AA	CHIP KDS226 SOT-23
D1005	0DRSE00018A	SOT23-6L 5V 1A 16A .5UA
D1006	0DRSE00018A	SOT23-6L 5V 1A 16A .SEC 5UA
D200	0DL112100AA	LEDSR3411(DL-11S2RN1) BK RED -
D2701	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D2702	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D2703	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A

LOCA. NO	PART NO	DESCRIPTION
D401	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D402	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D403	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D404	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
⚠ D406	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D409	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D410	0DD200009AH	RU2AMV(1) TP SANKEN
D414	0DR150509BA	PR1505G TP LITEON - - - - 250NSEC 5UA
D415	0DR150509BA	PR1505G TP LITEON - - - - 250NSEC 5UA
D416	0DD340009EA	BYW34 TP (2A/400V) TELEFUNKEN
D417	0DD340009EA	BYW34 TP (2A/400V) TELEFUNKEN
D418	0DD340009EA	BYW34 TP (2A/400V) TELEFUNKEN
D419	0DD200009AH	RU2AMV(1) TP SANKEN
D420	0DD200009AH	RU2AMV(1) TP SANKEN
D421	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D422	0DD150009CE	GP15J TP 600V - - - -
D423	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D424	0DD100009AQ	RP1HV(1) TP SANKEN TP SANKEN
D425	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D430	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
⚠ D431	0DR149379AA	1N4937G TP LITEON - - - - 200NSEC 5UA
D434	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D435	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D437	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D440	0DD200009AH	RU2AMV(1) TP SANKEN
D488	0DD140009AA	EK14 V(1) TP 40V 1.5A 40A 0.2US 5MA
D500	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D501	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D502	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D503	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D504	0DD100009AU	EU1AV(1) TP SANKEN TP SANKEN
D505	0DD100009AU	EU1AV(1) TP SANKEN TP SANKEN
D600	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D601	0DD184009AA	KDS184S CHIP 85V 300MA KEC TP
D602	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D603	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D604	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D803	0DD100009AM	EU1ZV(1) TP SANKEN
D804	0DD100009AM	EU1ZV(1) TP SANKEN
D810	0DD100009AM	EU1ZV(1) TP SANKEN
D811	0DD100009AM	EU1ZV(1) TP SANKEN
D812	0DD100009AM	EU1ZV(1) TP SANKEN
D813	0DR010009AA	EG01C - 1000V 0.5A 10A 100NSEC 50UA
D81A	0DD606000AA	RBV606 BK NA 600V 6A 150A NA 10UA
D81D	0DD110009DB	RM11CV(1) TP SANKEN TP SANKEN
D81F	0DRSA00121A	FMM-26S(LF664) ST TO-220FM 600V 10A
D831	0DD420000BB	D4L20U SHINDENGEN
D832	0DZ240009DC	MTZJ2.4B TP DO34 0.5W 2
D841	0DD420000BB	D4L20U SHINDENGEN
D842	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D851	0DD420000BB	D4L20U SHINDENGEN

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
D852	0DR460009AA	RK46 TP 60V 3.5A 70A 100SEC 3MA
D853	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D862	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D863	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D864	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D873	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V -
D874	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V
D876	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V
D881	0DD100009AM	EU1ZV(1) TP SANKEN
D891	0DD410000AD	RU4AM,LF-L1 SANKEN
D892	0DD410000AD	RU4AM,LF-L1 SANKEN
D901	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V
D901B	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D901G	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D901R	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D902	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V
D902B	0DD060009AC	TVR06J - 600V - - 250NSEC -
D902G	0DD060009AC	TVR06J - 600V - - 250NSEC -
D902R	0DD060009AC	TVR06J - 600V - - 250NSEC -
D903	0DD060009AC	TVR06J - 600V - - 250NSEC -
D903B	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D903G	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D903R	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D904B	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D904G	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D904R	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D905B	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D905G	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D905R	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D908B	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D908G	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D908R	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D911B	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D911G	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D911R	0DR210009AC	BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
DT01	0DL100000AE	LEDSA5711(DL-1LO) BK AMBER -
Q403	0DR500000CA	TO3P 1700V 10A 50A 500USEC 500UA
Q411	0DR360000AA	FMG-36S BK - 2.2V - - 100NSEC 1.0MA
ZD100	0DZ330009DF	MTZJ33B TP DO34 0.5W 33V 5UA
ZD100	0DZ330009DF	MTZJ33B TP DO34 0.5W 33V 5UA
ZD101	0DZ330009DF	MTZJ33B TP DO34 0.5W 33V 5UA
ZD2610	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA -PF
ZD2611	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA -PF
ZD2612	0DZRM00178A	UDZS TE-17 5.1B SMD 0.2W 5.1V 5MA -PF
ZD2805	0DZ240009DC	MTZJ2.4B TP DO34 0.5W 2
ZD401	0DZ910009AJ	MTZJ9.1B TP DO34 0.5W 9.1V 5UA -
ZD404	0DZ240009DC	MTZJ2.4B TP DO34 0.5W 2
⚠ ZD405	0DZ510009DB	MTZJ5.1B TP DO34 - 5.1V 5UA -
ZD406	0DZ510009DB	MTZJ5.1B TP DO34 - 5.1V 5UA -
ZD407	0DZ820009AH	MTZJ8.2B TP DO34 - 8.2V 5UA -
ZD410	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA -

LOCA. NO	PART NO	DESCRIPTION
ZD411	0DZ130009CJ	MTZJ13B TP DO34 0.5W 13V 5UA
ZD412	0DZ130009CJ	MTZJ13B TP DO34 0.5W 13V 5UA
ZD503	0DZ910009AJ	MTZJ9.1B TP DO34 0.5W 9.1V 5UA -
ZD831	0DZ620009BB	MTZJ6.2B TP DO34 0.5W 6.2V 5UA -
ZD901B	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA -
ZD901G	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA -
ZD901R	0DZ560009CF	MTZJ5.6B TP DO34 0.5W 5.6V 5UA -
ZD902B	0DZ110009AD	MTZJ11B TP DO34 - 11V 5UA -
ZD902G	0DZ110009AD	MTZJ11B TP DO34 - 11V 5UA -
ZD902R	0DZ110009AD	MTZJ11B TP DO34 - 11V 5UA -

CAPACITOR

C01P	0CN1030F679	10000P 16V M Y TA52
C02	0CE476DD618	47UF STD 10V 20% FL TP 5
C02P	0CE476DD618	47UF STD 10V 20% FL TP 5
C04	0CE477DD618	470UF STD 10V M FL TP5
C1001	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1002	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1004	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1006	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1008	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1009	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C101	0CE227DF618	220UF STD 16V M FL TP5
C1012	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1014	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1016	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1018	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1019	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1021	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1023	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1024	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C1025	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1026	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C1027	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1028	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C1029	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1030	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C1037	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1038	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1039	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C1040	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1041	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C1042	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1043	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) SMD
C1044	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1045	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C1046	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C1047	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1049	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1051	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C1052	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C106	0CE227DF618	220UF STD 16V M FL TP5
C110	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C112	0CE106DK618	10UF STD 50V M FL TP5
C112	0CE106DK618	10UF STD 50V M FL TP5
C115	0CE477DD618	470UF STD 10V M FL TP5
C115	0CE477DD618	470UF STD 10V M FL TP5
C116	0CE108DD618	1000UF STD 10V M FL TP5
C118	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1201	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1202	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1203	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1205	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1206	0CN1040K949	0.1M 50V Z F TA52
C1208	0CN2210K519	220P 50V K B TA52
C1209	0CN2210K519	220P 50V K B TA52
C121	0CE106DF618	10UF STD 16V M FL TP5
C125	0CE477DD618	470UF STD 10V M FL TP5
C126	0CE106DK618	10UF STD 50V M FL TP5
C129	0CE477DD618	470UF STD 10V M FL TP5
C13	0CC1600K415	16P 50V J NP0 TS
C134	0CE227DF618	220UF STD 16V M FL TP5
C14	0CC1600K415	16P 50V J NP0 TS
C140	0CE106DF618	10UF STD 16V M FL TP5
C142	0CE106DF618	10UF STD 16V M FL TP5
C15	0CE477DD618	470UF STD 10V M FL TP5
C158	0CE227DF618	220UF STD 16V M FL TP5
C16	0CE105DK618	1UF STD 50V M FL TP5
C163	0CE106DF618	10UF STD 16V M FL TP5
C167	0CE106DF618	10UF STD 16V M FL TP5
C17	0CC0600K115	6P 50V D NP0 TS
C174	0CE227DF618	220UF STD 16V M FL TP5
C178	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C18	0CC0500K115	5P 50V D NP0 TS
C184	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C186	0CE476DF618	47UF STD 16V M FL TP5
C193	0CE106DF618	10UF STD 16V M FL TP5
C195	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C196	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C198	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C199	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C200	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C202	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2032	0CC3310K405	330P 50V J SL TS
C2033	0CC3310K405	330P 50V J SL TS
C2034	0CC3310K405	330P 50V J SL TS
C2035	0CC3310K405	330P 50V J SL TS
C2036	0CC3310K405	330P 50V J SL TS
C2037	0CE108DJ618	1000UF STD 35V M FL TP5
C2038	0CE108DJ618	1000UF STD 35V M FL TP5
C2050	0CE108DJ618	1000UF STD 35V M FL TP5
C2052	0CE107DF618	100UF STD 16V M FL TP5

LOCA. NO	PART NO	DESCRIPTION
C2054	0CE107DF618	100UF STD 16V M FL TP5
C2056	0CE107DF618	100UF STD 16V M FL TP5
C206	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C2060	0CE108DJ618	1000UF STD 35V M FL TP5
C2061	0CE108DJ618	1000UF STD 35V M FL TP5
C2063	0CK1040K945	0.1UF 50V Z F TR
C2064	0CK1040K945	0.1UF 50V Z F TR
C2065	0CK1040K945	0.1UF 50V Z F TR
C2066	0CK1040K945	0.1UF 50V Z F TR
C2067	0CK1040K945	0.1UF 50V Z F TR
C2069	0CK1040K945	0.1UF 50V Z F TR
C2070	0CE477DD618	470UF STD 10V M FL TP5
C2071	0CE477DD618	470UF STD 10V M FL TP5
C2072	0CE477DD618	470UF STD 10V M FL TP5
C2073	0CE477DD618	470UF STD 10V M FL TP5
C2074	0CK1040K945	0.1UF 50V Z F TR
C2075	0CK1040K945	0.1UF 50V Z F TR
C208	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C2080	0CK1040K945	0.1UF 50V Z F TR
C2081	0CK1040K945	0.1UF 50V Z F TR
C2082	0CK1040K945	0.1UF 50V Z F TR
C209	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2094	0CK1040K945	0.1UF 50V Z F TR
C2095	0CK1040K945	0.1UF 50V Z F TR
C2096	0CK1040K945	0.1UF 50V Z F TR
C21	0CE105DK618	1UF STD 50V M FL TP5
C210	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C211	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C212	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C214	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2142	0CE107DF618	100UF STD 16V M FL TP5
C2143	0CE107DF618	100UF STD 16V M FL TP5
C215	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C216	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C217	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C2170	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C218	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C219	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C220	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2202	0CE476DF618	47UF STD 16V M FL TP5
C2207	0CE476DF618	47UF STD 16V M FL TP5
C221	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2210	0CE476DF618	47UF STD 16V M FL TP5
C2215	0CE476DF618	47UF STD 16V M FL TP5
C222	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C223	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C225	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C225	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C226	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C226	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C227	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C228	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C229	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C230	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C231	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C232	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C235	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C236	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C237	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C2406	0CE476DF618	47UF STD 16V M FL TP5
C2409	0CE476DF618	47UF STD 16V M FL TP5
C2410	0CE476DF618	47UF STD 16V M FL TP5
C2413	0CE476DF618	47UF STD 16V M FL TP5
C260	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C2605	0CE107DF618	100UF STD 16V M FL TP5
C2606	0CE107DF618	100UF STD 16V M FL TP5
C261	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C262	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C2621	0CE106DF618	10UF STD 16V M FL TP5
C2623	0CE227DF618	220UF STD 16V M FL TP5
C263	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C27	0CE107DD618	100UF STD 10V M FL TP5
C2700	0CC3310K405	330P 50V J SL TS
C2701	0CE108DJ618	1000UF STD 35V M FL TP5
C2702	0CE108DJ618	1000UF STD 35V M FL TP5
C2703	0CE108DJ618	1000UF STD 35V M FL TP5
C2704	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C2705	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C2706	0CK1510K515	150P 50V K B TS
C2707	0CK1510K515	150P 50V K B TS
C2708	0CK1510K515	150P 50V K B TS
C2709	0CK1510K515	150P 50V K B TS
C271	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2710	0CK1510K515	150P 50V K B TS
C2711	0CK1510K515	150P 50V K B TS
C2712	0CK1030K945	0.01UF 50V Z F TR
C2713	0CK1030K945	0.01UF 50V Z F TR
C272	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C273	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C274	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C275	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C276	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C277	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2786	0CN1040K949	0.1M 50V Z F TA52
C279	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C285	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C286	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C287	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C288	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C289	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C290	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C293	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R

LOCA. NO	PART NO	DESCRIPTION
C294	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C295	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C296	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2961	0CE227DD618	220UF STD 10V M FL TP5
C297	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C298	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C299	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C30	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C300	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C301	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C302	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C303	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C304	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C305	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C306	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C307	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C308	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C309	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C310	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C311	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C312	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C312	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C315	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C316	0CE107VF6DC	100UF MV 16V 20% R/TP(SMD) SMD
C318	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C318	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C319	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C320	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C322	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C324	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C325	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C327	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C328	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C328	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C330	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C331	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C332	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C333	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C334	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C339	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C340	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C342	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C343	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C344	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C345	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C345	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C346	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C347	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C348	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C355	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C355	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C356	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C357	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C358	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C359	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C362	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C363	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C365	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C366	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C367	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C368	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C370	0CE106VF6DC	10UF MV 16V 20% R/TP(SMD) SMD
C371	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C372	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C373	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C374	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C38	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C380	0CE226SF6DC	22UF MVG 16V M SMD R/TP
C381	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C387	0CE476VF6DC	47UF MV 16V 20% R/TP(SMD) SMD
C39	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C40	0CE476DD618	47UF STD 10V 20% FL TP 5
C401	0CE6851K652	6.8UF SM,SA 50V 20% FM7.5 BP(S)
C403	0CK47101515	470P 1KV K B TS
C405	0CE107DK618	100UF STD 50V M FL TP5
C406	181-013Y	MPP 0.82UF 400V 5%,-5% FM
C407	181-010S	0.0033UF 800V 5%,-5% FM PP
C409	181-009R	PP 200V 0.022UF K
C410	0CQ6821N509	0.0068U 100V K POLY TP
C411	181-091G	DEHR33D471KN3A 470PF 2KV 10%,-10%
C412	0CE107DK618	100UF STD 50V M FL TP5
C413	0CE477DF618	470UF STD 16V 20% FL TP 5
C414	0CE477DF618	470UF STD 16V 20% FL TP 5
C415	181-091G	DEHR33D471KN3A 470PF 2KV 10%,-10%
C416	0CQ3341N401	0.33U 100V J POLY F5
C417	0CE106DR618	10UF STD 250V M FL TP5
C418	0CE107DF618	100UF STD 16V M FL TP5
C419	0CE227DD618	220UF STD 10V M FL TP5
C420	0CE107DK618	100UF STD 50V M FL TP5
C421	0CE106DK618	10UF STD 50V M FL TP5
C423	0CE107DK618	100UF STD 50V M FL TP5
C424	0CK3320W515	3300P 500V K B TS
C425	0CE107DK618	100UF STD 50V M FL TP5
C426	0CE107DK618	100UF STD 50V M FL TP5
C42A	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C430	0CK47101515	470P 1KV K B TS
C432	0CN1020K519	1000P 50V K B TA52
C433	0CN1020K519	1000P 50V K B TA52
C435	0CQ1042K439	0.1UF S 50V 5% M/PE NI TP5
⚠ C436	181-015J	MPP 1600V 0.0086UF H
C437	0CN6810K519	680P 50V K B TA52
C438	0CQ1041N509	0.1U 100V K POLY TP

LOCA. NO	PART NO	DESCRIPTION
C440	0CK56101515	560P 1KV K B TS
C443	0CC1010K415	100P 50V J NP0 TS
C444	0CQ3321N509	0.0033U 100V K POLY TP
C446	0CN1040K949	0.1M 50V Z F TA52
⚠ C448	0CQ1031N509	0.01U 100V K POLY TP
⚠ C449	0CE105DK618	1UF STD 50V M FL TP5
C451	0CQ2721N409	0.0027M 100V J POLY TP
C452	0CE105DK618	1UF STD 50V M FL TP5
C455	0CQ1042K439	0.1UF S 50V 5% M/PE NI TP5
C461	0CK47202510	4700P 2KV K B S
C462	0CE226CR618	22UF SHL,SD 250V M FL TP 5
⚠ C464	181-015D	MPP 1600V 0.0062UF H
C466	0CE227DK618	220UF STD 50V M FL TP5
C467	0CE227DK618	220UF STD 50V M FL TP5
C468	181-009V	PP 200V 0.047UF K
C469	181-007D	MPE ECQ-V1H154JL3(TR), 50V 0.15UF J
C46D	0CE107DF618	100UF STD 16V M FL TP5
C46H	0CN1040K949	0.1M 50V Z F TA52
⚠ C46K	0CE106DK618	10UF STD 50V M FL TP5
C470	0CK3320W515	3300P 500V K B TS
C471	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C472	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C474	0CE107DK618	100UF STD 50V M FL TP5
C475	181-014N	MPP 1600V 0.01UF J
C476	181-014N	MPP 1600V 0.01UF J
C477	0CK1810W515	180P 500V K B TS
C478	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C478	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C481	0CN6810K519	680P 50V K B TA52
C484	0CE476DK618	47UF STD 50V M FL TP5
⚠ C486	0CE105DK618	1UF STD 50V M FL TP5
C491	0CN1040K949	0.1M 50V Z F TA52
C493	0CN1040K949	0.1M 50V Z F TA52
C49A	0CE106DK618	10UF STD 50V M FL TP5
C49B	0CE106DK618	10UF STD 50V M FL TP5
C500	0CE477DD618	470UF STD 10V M FL TP5
C502	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C503	0CE476DD618	47UF STD 10V 20% FL TP 5
C504	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C506	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C507	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C508	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C509	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C510	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C511	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C512	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C513	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C514	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C515	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C516	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C517	0CE476DF618	47UF STD 16V M FL TP5

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C518	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C519	0CE476DF618	47UF STD 16V M FL TP5
C521	0CE477DH618	470UF STD 25V M FL TP5
C522	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C523	181-442Z	PE,ECQ-B1H104KF3(TR)
C524	181-442Z	PE,ECQ-B1H104KF3(TR)
C525	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C527	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C528	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C529	0CE226DF618	22UF STD 16V M FL TP5
C530	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C532	0CE227DF618	220UF STD 16V M FL TP5
C535	0CE106DK618	10UF STD 50V M FL TP5
C537	0CE476DD618	47UF STD 10V 20% FL TP 5
C539	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C541	0CQ4721N509	0.0047U 100V K POLY TP
C542	181-007H	MPE ECQ-V1H474JL3(TR), 50V 0.47UF J
C545	0CE107DF618	100UF STD 16V M FL TP5
C546	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C547	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C549	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C550	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C552	0CE108DF618	1000UF STD 16V M FL TP5
C552	0CE108BF618	1000UF KME 16V M FL TP5
C553	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C554	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C555	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C556	0CE107DF618	100UF STD 16V M FL TP5
C557	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C558	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C559	0CE107DF618	100UF STD 16V M FL TP5
C560	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C563	0CE476DF618	47UF STD 16V M FL TP5
C612	0CE106DF618	10UF STD 16V M FL TP5
C613	0CE476DF618	47UF STD 16V M FL TP5
C614	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C616	0CE476DF618	47UF STD 16V M FL TP5
C618	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C619	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C620	0CE335DK618	3.3UF STD 50V 20% FL TP 5
C621	0CE106DF618	10UF STD 16V M FL TP5
C622	0CE106DF618	10UF STD 16V M FL TP5
C623	0CE107DF618	100UF STD 16V M FL TP5
C624	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C629	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C634	0CE476DF618	47UF STD 16V M FL TP5
C649	0CE107DF618	100UF STD 16V M FL TP5
C651	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C662	0CE226DF618	22UF STD 16V M FL TP5
C663	0CE226DF618	22UF STD 16V M FL TP5
C668	0CE475DK618	4.7UF STD 50V 20% FL TP 5

LOCA. NO	PART NO	DESCRIPTION
C670	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C671	0CE105DK618	1UF STD 50V M FL TP5
C676	0CE106DF618	10UF STD 16V M FL TP5
C676	0CE106DF618	10UF STD 16V M FL TP5
C677	0CE477DF618	470UF STD 16V 20% FL TP 5
C678	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C678	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C679	181-442Z	PE,ECQ-B1H104KF3(TR)
C686	0CE106DK618	10UF STD 50V M FL TP5
C687	0CE106DK618	10UF STD 50V M FL TP5
C688	0CE227DF618	220UF STD 16V M FL TP5
C688	0CE227DH618	220UF STD 25V M FL TP5
C690	0CE227DD618	220UF STD 10V M FL TP5
C691	0CE227DD618	220UF STD 10V M FL TP5
C700	0CE227DF618	220UF STD 16V M FL TP5
C702	0CE227DF618	220UF STD 16V M FL TP5
C703	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C709	0CE476DF618	47UF STD 16V M FL TP5
C711	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C718	0CE105DK618	1UF STD 50V M FL TP5
C719	0CE105DK618	1UF STD 50V M FL TP5
C720	0CE475CK636	4.7UF SHL,SD 50V 20% FM5 BP(D) TP
C721	0CE475CK636	4.7UF SHL,SD 50V 20% FM5 BP(D) TP
C723	0CE105DK618	1UF STD 50V M FL TP5
C724	0CE105DK618	1UF STD 50V M FL TP5
C725	0CE105DK618	1UF STD 50V M FL TP5
C726	0CE105DK618	1UF STD 50V M FL TP5
C727	0CE105DK618	1UF STD 50V M FL TP5
C728	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C730	0CE105DK618	1UF STD 50V M FL TP5
C734	0CE105DK618	1UF STD 50V M FL TP5
C735	0CE105DK618	1UF STD 50V M FL TP5
C740	0CE108DF618	1000UF STD 16V M FL TP5
C741	0CE227DF618	220UF STD 16V M FL TP5
C742	0CE108DH618	1000UF STD 25V M FL TP5
C743	0CE108DF618	1000UF STD 16V M FL TP5
C744	0CE477DD618	470UF STD 10V M FL TP5
C745	0CE477DD618	470UF STD 10V M FL TP5
C802	0CE3366W650	33UF SMS,SG 500V 20% FM7.5 BULK
C803	181-001U	LUG(85) 470UF 450V 20% FM
C804	181-011D	PP 1600V 0.0022UF J
C805	0CE476BK618	47UF KME 50V M FL TP5
C806	0CK8210K515	820P 50V K B TS
C807	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C80A	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C810	0CE476DK618	47UF STD 50V M FL TP5
C811	0CE476DK618	47UF STD 50V M FL TP5
C812	0CK8210K515	820P 50V K B TS
C813	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C816	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C81B	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C81D	181-001K	CE 450V 220UF M LUG(105)
C82A	0CK10202510	1000P 2KV K B S
C82B	0CK10202510	1000P 2KV K B S
C82C	181-120P	470 PF 4KV K JE R FL 10
C82H	0CK10202510	1000P 2KV K B S
C82J	0CK10202510	1000P 2KV K B S
C830	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C832	0CE337DF618	330UF STD 16V M FL TP5
C833	0CK10201515	1000P 1KV K B TS
C834	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C841	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C842	0CE228DF618	2200UF STD 16V M FL TP5
C851	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C852	0CE2286H61A	2200UF SMS,SG 25V 20% FL TP 7.5
C853	0CE108DF618	1000UF STD 16V M FL TP5
C854	0CE108DF618	1000UF STD 16V M FL TP5
C861	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C862	0CE228CL611	2200UF SHL,SD 63V M FL BK7.5
C863	0CE228CL611	2200UF SHL,SD 63V M FL BK7.5
C866	0CE475CK636	4.7UF SHL,SD 50V 20% FM5 BP(D) TP
C871	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C872	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C873	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C874	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C876	0CE105DK618	1UF STD 50V M FL TP5
C881	181-091Q	R 470PF 1KV 10%,-10% R/TP TP5
C882	0CE337DK618	330UF STD 50V M FL TP5
C884	0CE337DK618	330UF STD 50V M FL TP5
C888	0CE475BP618	4.7UF KME TYPE 160V 20% FL TP 5
C889	0CN1030F679	10000P 16V M Y TA52
C891	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C892	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C893	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C895	181-091R	R 1000PF 1KV 10%,-10% R/TP TP5
C896	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C897	0CE107CP618	100U SHL 160V M FL TP5
C898	0CQ1041N509	0.1U 100V K POLY TP
C899	0CE475BP618	4.7UF KME TYPE 160V 20% FL TP 5
C901	0CE106BK618	10UF KME 50V M FL TP5
C901B	0CE107DF618	100UF STD 16V M FL TP5
C901G	0CE107DF618	100UF STD 16V M FL TP5
C901R	0CE107DF618	100UF STD 16V M FL TP5
C902	0CE106DH618	10UF STD 25V M FL TP5
C902B	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902G	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902R	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C903	0CE107DH618	100UF STD 25V M FL TP5
C903B	0CK1040K945	0.1UF 50V Z F TR
C903G	0CK1040K945	0.1UF 50V Z F TR
C903R	0CK1040K945	0.1UF 50V Z F TR
C904	0CE107DF618	100UF STD 16V M FL TP5

LOCA. NO	PART NO	DESCRIPTION
C904B	0CK1040K945	0.1UF 50V Z F TR
C904G	0CK1040K945	0.1UF 50V Z F TR
C904R	0CK1040K945	0.1UF 50V Z F TR
C905	0CE107DH618	100UF STD 25V M FL TP5
C905B	0CC0500K115	5P 50V D NP0 TS
C905G	0CC0500K115	5P 50V D NP0 TS
C905R	0CC0200K115	2PF D 50V 0.5 PF NP0 TR
C906	0CE106DP618	10UF STD 160V M FL TP5
C906B	0CE476DR618	47UF STD 250V 20% FL TP 5
C906G	0CE476DR618	47UF STD 250V 20% FL TP 5
C906R	0CE476DR618	47UF STD 250V 20% FL TP 5
C907B	0CE106DR618	10UF STD 250V M FL TP5
C907G	0CE106DR618	10UF STD 250V M FL TP5
C907R	0CE106DR618	10UF STD 250V M FL TP5
C908	0CE107DF618	100UF STD 16V M FL TP5
C908B	0CK5610W515	560P 500V K B TS
C908G	0CK5610W515	560P 500V K B TS
C908R	0CK5610W515	560P 500V K B TS
C909	0CE107DK618	100UF STD 50V M FL TP5
C909B	0CK22202515	2200PF 2KV K B TR
C909G	0CK22202515	2200PF 2KV K B TR
C909R	0CK22202515	2200PF 2KV K B TR
C910	0CQ1031N509	0.01U 100V K POLY TP
C910B	0CN1040K949	0.1M 50V Z F TA52
C910G	0CN1040K949	0.1M 50V Z F TA52
C910R	0CN1040K949	0.1M 50V Z F TA52
C911	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C911B	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911G	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911R	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C912	181-007C	MPE ECQ-V1H104JL3(TR), 50V 0.1UF J
C912B	0CK1030W510	0.01U 500V K B S
C912G	0CK1030W510	0.01U 500V K B S
C912R	0CK1030W510	0.01U 500V K B S
C913	0CC1510K405	150PF 50V J SL TR
C914	0CN1040K949	0.1M 50V Z F TA52
C915	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C916	181-091N	SL 100PF 1KV 10%,-10% R/TP TP5
C917	0CK1030W510	0.01U 500V K B S
C917G	0CN4710K519	470P 50V K B TA52
C936	0CE107BP61A	100UF KME 160V M FL TP7.5
C941	0CK1030W510	0.01U 500V K B S
CT01	0CX6800K409	68P 50V J SL TA52
CT02	0CX6800K409	68P 50V J SL TA52
CT03	0CN1040K949	0.1M 50V Z F TA52
CT04	0CE1074F618	100UF SRA 16V M FL TP5
CT05	0CN1040K949	0.1M 50V Z F TA52
CT06	0CE1074F618	100UF SRA 16V M FL TP5
CX101	0CE107DF618	100UF STD 16V M FL TP5
CX102	0CE106DF618	10UF STD 16V M FL TP5
CX103	0CE106DF618	10UF STD 16V M FL TP5

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
CX104	0CE106DF618	10UF STD 16V M FL TP5
CX113	0CE106DF618	10UF STD 16V M FL TP5
CX114	0CE106DF618	10UF STD 16V M FL TP5
CX115	0CE106DF618	10UF STD 16V M FL TP5
CX124	0CE107DF618	100UF STD 16V M FL TP5
CX600	0CE226DK618	22UF STD 50V M FL TP5
CX600	0CE226DK618	22UF STD 50V M FL TP5
CX601	0CQ1831N509	0.018U 100V K POLY TP5
CX603	181-442Z	PE,ECQ-B1H104KF3(TR)
CX604	181-442Z	PE,ECQ-B1H104KF3(TR)
CX609	0CQ1831N509	0.018U 100V K POLY TP5
CX610	0CE104DK618	0.1000UF STD 50V M FL TP5
CX611	0CE106DK618	10UF STD 50V M FL TP5
CX612	181-442Z	PE,ECQ-B1H104KF3(TR)
CX613	0CE106DK618	10UF STD 50V M FL TP5
CX615	0CE226DK618	22UF STD 50V M FL TP5
CX616	0CE226DK618	22UF STD 50V M FL TP5
CX617	0CE108DK61A	1000UF STD 50V M FL TP7.5
CX618	0CE108DK61A	1000UF STD 50V M FL TP7.5
CX619	181-442Z	PE,ECQ-B1H104KF3(TR)
CX630	0CE228DK650	2200UF STD 50V M FM7.5 BULK
R41L	0CN1020K519	1000P 50V K B TA52
COIL & INDUCTOR		
L01P	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L03	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L04	0LA0391K119	INDUCTOR, 3.9UH K 2.3*3.4 TP
L100	0LA0102K139	INDUCTOR, 10UH K 4*10.5 TP
L100	0LA0102K139	INDUCTOR, 10UH K 4*10.5 TP
L1001	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L1005	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L1006	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L1007	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L1008	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L1009	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L1010	0LC2220101A	INDUCTOR, 2.2UH 10% 2012
L102	0LA0102K139	INDUCTOR, 10UH K 4*10.5 TP
L105	0LC1032101A	INDUCTOR, 10UH 10% 3216
L107	0LC1032101A	INDUCTOR, 10UH 10% 3216
L109	0LC1032101A	INDUCTOR, 10UH 10% 3216
L110	0LC1032101A	INDUCTOR, 10UH 10% 3216
L111	0LC1032101A	INDUCTOR, 10UH 10% 3216
L112	0LC1032101A	INDUCTOR, 10UH 10% 3216
L113	0LC1032101A	INDUCTOR, 10UH 10% 3216
L114	0LC1032101A	INDUCTOR, 10UH 10% 3216
L115	0LC1032101A	INDUCTOR, 10UH 10% 3216
L116	0LC1032101A	INDUCTOR, 10UH 10% 3216
L118	0LC1032101A	INDUCTOR, 10UH 10% 3216
L119	0LC1032101A	INDUCTOR, 10UH 10% 3216
L120	0LC1032101A	INDUCTOR, 10UH 10% 3216
L1203	0LA0472K119	INDUCTOR, 47UH K 2.3*3.4 TP

LOCA. NO	PART NO	DESCRIPTION
L1204	0LA0472K119	INDUCTOR, 47UH K 2.3*3.4 TP
L121	0LC1032101A	INDUCTOR, 10UH 10% 3216
L122	0LC1032101A	INDUCTOR, 10UH 10% 3216
L123	0LC1032101A	INDUCTOR, 10UH 10% 3216
L202	0LA0561K119	INDUCTOR, 5.6UH K 2.3*3.4 TP
L205	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L207	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L261	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L265	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L2700	150-C02F	COIL,CHOKE 82UH PHY TURN
L2701	150-C02F	COIL,CHOKE 82UH PHY TURN
L2702	150-C02F	COIL,CHOKE 82UH PHY TURN
L2703	150-C02F	COIL,CHOKE 82UH PHY TURN
L2704	0LA0101K119	INDUCTOR, 1.0UH K 2.3*3.4 TP
L2705	0LA0101K119	INDUCTOR, 1.0UH K 2.3*3.4 TP
L2706	0LA0101K119	INDUCTOR, 1.0UH K 2.3*3.4 TP
L2707	0LA0101K119	INDUCTOR, 1.0UH K 2.3*3.4 TP
L2708	0LA0101K119	INDUCTOR, 1.0UH K 2.3*3.4 TP
L2709	0LA0101K119	INDUCTOR, 1.0UH K 2.3*3.4 TP
L2711	0LA0102K139	INDUCTOR, 10UH K 4*10.5 TP
L2712	0LA0102K139	INDUCTOR, 10UH K 4*10.5 TP
L401	150-717J	COIL,CHOKE 560UH (E/W)
⚠ L402	6140VE0001Z	COIL,LINEARITY 27.5TURN YL-9N 20-20
L404	0LA1001K139	INDUCTOR, 1000UH 10% A 4.0 X 10.5 TA52
L405	150-717J	COIL,CHOKE 560UH (E/W)
L405	150-717K	COIL,CHOKE 1.1UH PHY TURN
L500	0LA0222K119	INDUCTOR, 22UH K 2.3*3.4 TP
L501	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L502	0LA0222K119	INDUCTOR, 22UH K 2.3*3.4 TP
L503	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
L612	0LC1032101A	INDUCTOR, 10UH 10% 3216
L613	0LC1032101A	INDUCTOR, 10UH 10% 3216
L702	150-C02F	COIL,CHOKE 82UH PHY TURN
L703	150-C02F	COIL,CHOKE 82UH PHY TURN
L704	150-C02F	COIL,CHOKE 82UH PHY TURN
L852	6170VZ0005A	TRANSFORMER, IRON-15 120UH
L861	150-C02F	COIL,CHOKE 82UH PHY TURN
L891	150-C02F	COIL,CHOKE 82UH PHY TURN
L892	150-C02F	COIL,CHOKE 82UH PHY TURN
L901	150-C02F	COIL,CHOKE 82UH PHY TURN
L902	150-C02F	COIL,CHOKE 82UH PHY TURN
LT01	0LA0102K119	INDUCTOR, 10UH K 2.3*3.4 TP
LX101	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX102	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX103	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX104	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX106	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX107	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX108	0LC1032101A	INDUCTOR, 10UH 10% 3216
LX109	0LC1032101A	INDUCTOR, 10UH 10% 3216
T401	6170VC0009A	TRANSFORMER, EI-2519 8700UH MP03AA

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
T401	151-515A	TRANSFORMER, EI 2519 4.5MH CF201
T402	6170VC0009A	TRANSFORMER, EI-2519 8700UH MP03AA
T405	6170VMCA13R	TRANSFORMER, EER4215 1.2UUH
T406	151-E06A	TRANSFORMER, EER2834 0UH
T801	6170VMCB16A	TRANSFORMER, EE5555 200UH 20TURNS
T805	6170VS0004B	TRANSFORMER, EE2229 2200UUH
CONNECTOR		
GND2B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND2G	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND2R	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND3B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND3G	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND3R	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND4B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND4G	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND4R	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND7B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND8B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND8G	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND8R	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
GND9B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P001A	366-043H	CONNECTOR, ASSY,PLUG (4P)
P003B	366-921G	CONNECTOR, 2.5MM 8P GIL-G LG CABLE .
P005B	366-921N	CONNECTOR, WAFER IL-G 14(2.5S)
P00B	366-043D	CONNECTOR, ASSY,PLUG(4P)
P00G	366-043D	CONNECTOR, ASSY,PLUG(4P)
P00R	366-043D	CONNECTOR, ASSY,PLUG(4P)
P01A	366-173G	CONNECTOR, 2.5MM 8*2P AEPH-254 A/K
P02	366-173N	CONNECTOR, AEPH254-D28R(14*2)
P03	366-173L	CONNECTOR, 2.5MM 12*2P AEPH-254 A/K
P03A	366-173G	CONNECTOR, 2.5MM 8*2P AEPH-254 A/K
P04	366-922B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
P100	6631V25A04A	CONNECTOR, 14P 2.5MM 100MM
P1001	6630GZ00724	CONNECTOR, 67351-4006 MOLEX 24P \
P1002	366-922K	CONNECTOR, 2.5MM 11P GIL-G LG CABLE
P101	387-A08A	CONNECTOR, 8P 2.5MM 100MM
P104	366-932E	CONNECTOR, 2.5MM 6P GIL-G LG CABLE
P105	366-932D	CONNECTOR, 2.5MM 5P GIL-G LG CABLE
P107	366-921G	CONNECTOR, 2.5MM 8P GIL-G LG CABLE .
P107	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE
P110	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P1201	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE
P2001	366-173L	CONNECTOR, 2.5MM 12*2P AEPH-254 A/K
P2002	6602V25002C	CONNECTOR, 2.5MM 4P EH-A JST .
P2003	6602V25002C	CONNECTOR, 2.5MM 4P EH-A JST .
P2004	6602V25002C	CONNECTOR, 2.5MM 4P EH-A JST .
P260	6630V600932	CONNECTOR, 32P 2.54MM MALE B-B
P261	6630V600932	CONNECTOR, 32P 2.54MM MALE B-B
P262	366-922K	CONNECTOR, 2.5MM 11P GIL-G LG CABLE
P401	366-921G	CONNECTOR, 2.5MM 8P GIL-G LG CABLE .

LOCA. NO	PART NO	DESCRIPTION
P401A	387-A08A	CONNECTOR, 8P 2.5MM 100MM
P403	366-921H	CONNECTOR, 2.5MM 9P GIL-G LG CABLE .
P403A	387-A09A	CONNECTOR, 9P 2.5MM 100MM
P404	366-921F	CONNECTOR, 2.5MM 7P GIL-G LG CABLE .
P404	366-173E	CONNECTOR, 2.5MM 6*2P AEPH-254 A/K
P404A	387-A07A	CONNECTOR, 7P 2.5MM 100MM H-B UL
P405A	366-932D	CONNECTOR, 2.5MM 5P GIL-G LG CABLE
P406A	366-932E	CONNECTOR, 2.5MM 6P GIL-G LG CABLE
P410A	366-043H	CONNECTOR, ASSY,PLUG (4P)
P411A	387-A06J	CONNECTOR, 6P 2.5MM 500MM
P415	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P416	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P417	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P420	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
P421	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P42A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P42B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P42C	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P500	6630N600132	CONNECTOR, 32P 2.54MM FEMALE B-B
P501	6630N600132	CONNECTOR, 32P 2.54MM FEMALE B-B
P502	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE
P502	387-B04H	CONNECTOR, ASSY,4P SHIELD WIRE
P503	366-921J	CONNECTOR, 2.5MM 10P GIL-G LG CABLE
P600	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
P601	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE
P700	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE
P801A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P801B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P801C	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P801D	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P804	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P805	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P810	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P811A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P811B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P811C	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P81A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P81B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P81C	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P81D	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P841	366-921N	CONNECTOR, WAFER IL-G 14(2.5S)
P841A	6631V25A04A	CONNECTOR, 14P 2.5MM 100MM
P84A	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P84B	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P84C	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P84D	366-009D	CONNECTOR, 2.36PAI 1P . K/M AUTO
P861	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE
P861A	387-A04A	CONNECTOR, 4P 2.5MM 100MM
P880	366-921B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE .
P901B	366-921J	CONNECTOR, 2.5MM 10P GIL-G LG CABLE
P902B	366-921D	CONNECTOR, 2.5MM 5P GIL-G LG CABLE .

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
P903A	6631V00017E	CONNECTOR, 9P 2.5MM 300MM H-B
P903B	366-921H	CONNECTOR, 2.5MM 9P GIL-G LG CABLE .
P904A	6631V00017E	CONNECTOR, 9P 2.5MM 300MM H-B
P904B	366-921H	CONNECTOR, 2.5MM 9P GIL-G LG CABLE .
PSVM1A	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
PSVM2A	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
PSVM3A	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
PSVM4	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE
PSVM5A	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
PSVM5B	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE
PSVM7	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE
PT01	366-922G	CONNECTOR, 2.5MM 8P GIL-G LG CABLE
RESISTOR		
AR01	0RRZVTA001A	100 OHM 5% CHIP 100 OHM*4
AR02	0RRZVTA001A	100 OHM 5% CHIP 100 OHM*4
AR03	0RRZVTA001A	100 OHM 5% CHIP 100 OHM*4
AR04	0RRZVTA001A	100 OHM 5% CHIP 100 OHM*4
AR05	0RRZVTA001A	100 OHM 5% CHIP 100 OHM*4
AR06	0RRZVTA001A	100 OHM 5% CHIP 100 OHM*4
L204	0RN1001G509	1K OHM 1/4 W 2.00% TA52
L403	0RF0111K607	1.1 OHM 2 W 5.00% TA62
R114	0RD2201H609	2.2K OHM 1/2 W 5.00% TA52
R114	0RD2201H609	2.2K OHM 1/2 W 5.00% TA52
R1201	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1202	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1203	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1204	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1205	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R127	0RD2201H609	2.2K OHM 1/2 W 5.00% TA52
R2095	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R2096	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R260	0RS0102K607	10 OHM 2 W 5.00% TA62
R261	0RS0102K607	10 OHM 2 W 5.00% TA62
R2700	0RS2200K607	220 OHM 2 W 5.00% TA62
R2703	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2704	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2705	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2706	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2707	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2708	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2709	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2710	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2711	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2712	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2713	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2714	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2715	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2716	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2717	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R2718	0RD2702F609	27K OHM 1/6 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
R2719	0RD4702F609	47K OHM 1/6 W 5% TA52
R2720	0RD4702F609	47K OHM 1/6 W 5% TA52
R2721	0RD4702F609	47K OHM 1/6 W 5% TA52
R2722	0RD4702F609	47K OHM 1/6 W 5% TA52
R2723	0RD4702F609	47K OHM 1/6 W 5% TA52
R2724	0RD4702F609	47K OHM 1/6 W 5% TA52
R2725	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2726	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2727	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2728	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2729	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2730	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2731	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2732	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2733	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2734	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2735	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2736	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2737	0RS2200K607	220 OHM 2 W 5.00% TA62
R2738	0RS2200K607	220 OHM 2 W 5.00% TA62
R2739	0RS2200K607	220 OHM 2 W 5.00% TA62
R2740	0RS2200K607	220 OHM 2 W 5.00% TA62
R2741	0RS2200K607	220 OHM 2 W 5.00% TA62
R2742	0RS2200K607	220 OHM 2 W 5.00% TA62
R2743	0RS2200K607	220 OHM 2 W 5.00% TA62
R2744	0RS2200K607	220 OHM 2 W 5.00% TA62
R2745	0RS2200K607	220 OHM 2 W 5.00% TA62
R2746	0RS2200K607	220 OHM 2 W 5.00% TA62
R2747	0RS2200K607	220 OHM 2 W 5.00% TA62
R2748	0RD1000F609	100 OHM 1/6 W 5% TA52
R2780	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2781	0RD1001F609	1K OHM 1/6 W 5% TA52
R2782	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2783	0RD1001F609	1K OHM 1/6 W 5% TA52
R2784	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2785	0RD1001F609	1K OHM 1/6 W 5% TA52
R2786	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2787	0RD1001F609	1K OHM 1/6 W 5% TA52
R2788	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2789	0RD1001F609	1K OHM 1/6 W 5% TA52
R2790	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2791	0RD1001F609	1K OHM 1/6 W 5% TA52
R2792	0RD1002F609	10K OHM 1/6 W 5% TA52
R2793	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2794	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2795	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2796	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R2797	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2798	0RD1002F609	10K OHM 1/6 W 5% TA52
R316	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R400	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R401	0RD1200H609	120 OHM 1/2 W 5.00% TA52
R402	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R403	0RD1200H609	120 OHM 1/2 W 5.00% TA52
R403	0RS2200K607	220 OHM 2 W 5.00% TA62
R404	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R405	0RS3902K607	39K OHM 2 W 5.00% TA62
R406	0RS3902K607	39K OHM 2 W 5.00% TA62
R407	0RS3902K607	39K OHM 2 W 5.00% TA62
R408	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R409	0RS5101H609	5.1K OHM 1/2 W 5.00% TA52
R40A	0RD4702F609	47K OHM 1/6 W 5% TA52
R40C	0RD7501F609	7.5K OHM 1/6 W 5.00% TA52
R40D	0RD1800F609	180 OHM 1/6 W 5.00% TA52
R40E	0RD7502H609	75K OHM 1/2 W 5.00% TA52
R40F	0RS1002H609	10K OHM 1/2 W 5.00% TA52
R40G	0RD0682F609	68 OHM 1/6 W 5.00% TA52
R40H	0RD3300F609	330 OHM 1/6 W 5.00% TA52
R40I	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R40J	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R40K	0RD2403H609	240K OHM 1/2 W 5.00% TA52
R40L	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R40M	0RD2001H609	2K OHM 1/2 W 5.00% TA52
R40N	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R40P	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R40Q	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R40T	0RD1001F609	1K OHM 1/6 W 5% TA52
R40U	0RD1602F609	16K OHM 1/6 W 5.00% TA52
R40V	0RD2401F609	2.4K OHM 1/6 W 5.00% TA52
R40W	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R40X	0RD0102F609	10 OHM 1/6 W 5% TA52
R40Y	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R40Z	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R410	0RS6801K607	6.8K OHM 2 W 5.00% TA62
R411	0RD1502H609	15K OHM 1/2 W 5.00% TA52
R412	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R413	0RS3902K607	39K OHM 2 W 5.00% TA62
R414	0RF0201K607	2 OHM 2 W 5.00% TA62
R415	0RF0201K607	2 OHM 2 W 5.00% TA62
R416	180-C02M	5.6K OHM 1/2 W 10% TA52
R417	0RD1501H609	1.5K OHM 1/2 W 5.00% TA52
R418	0RD1002F609	10K OHM 1/6 W 5% TA52
R419	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R41A	0RD1000F609	100 OHM 1/6 W 5% TA52
R41B	0RD1001F609	1K OHM 1/6 W 5% TA52
R41C	0RD1200H609	120 OHM 1/2 W 5.00% TA52
R41D	0RD1002F609	10K OHM 1/6 W 5% TA52
R41E	0RD1200H609	120 OHM 1/2 W 5.00% TA52
R41G	0RD2200H609	220 OHM 1/2 W 5.00% TA52
R41K	0RD8202F609	82K OHM 1/6 W 5.00% TA52
R41P	0RD1200H609	120 OHM 1/2 W 5.00% TA52
R41R	0RD1200H609	120 OHM 1/2 W 5.00% TA52

LOCA. NO	PART NO	DESCRIPTION
⚠ R420	0RD3302F609	33K OHM 1/6 W 5% TA52
R421	0RD0102F609	10 OHM 1/6 W 5% TA52
R423	0RS1500K607	150 OHM 2 W 5.00% TA62
R425	0RF0121K607	1.2 OHM 2 W 5.00% TA62
R425	0RF0111K607	1.1 OHM 2 W 5.00% TA62
R426	0RF0141K607	1.4 OHM 2 W 5.00% TA62
R428	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R429	0RD1303F609	130K OHM 1/6 W 5.00% TA52
R42A	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R430	0RS4702H609	47K OHM 1/2 W 5.00% TA52
R431	0RS0101H609	1 OHM 1/2 W 5.00% TA52
R432	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R433	0RF0561K607	5.6 OHM 2 W 5.00% TA62
R434	0RF0141K607	1.4 OHM 2 W 5.00% TA62
R435	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R436	0RD1102F609	11K OHM 1/6 W 5.00% TA52
R437	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R438	0RD2001F609	2K OHM 1/6 W 5% TA52
R439	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R440	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R441	0RD1102F609	11K OHM 1/6 W 5.00% TA52
R442	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R443	0RD0472F609	47 OHM 1/6 W 5% TA52
R445	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R449	0RD1002F609	10K OHM 1/6 W 5% TA52
R450	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R451	0RD1001F609	1K OHM 1/6 W 5% TA52
R452	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R453	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R454	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R454	0RS0470H609	0.47 OHM 1/2 W 5.00% TA52
R455	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R457	0RD1000F609	100 OHM 1/6 W 5% TA52
R458	0RD3003F609	300K OHM 1/6 W 5.00% TA52
R459	0RD1002F609	10K OHM 1/6 W 5% TA52
R460	0RD2702F609	27K OHM 1/6 W 5.00% TA52
⚠ R461	0RD1002F609	10K OHM 1/6 W 5% TA52
R463	0RD1001F609	1K OHM 1/6 W 5% TA52
R464	0RD2001F609	2K OHM 1/6 W 5% TA52
R465	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R466	0RD1001F609	1K OHM 1/6 W 5% TA52
R467	0RD1000F609	100 OHM 1/6 W 5% TA52
R468	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R469	0RS3900K607	390 OHM 2 W 5.00% TA62
R46A	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
⚠ R46D	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R470	0RS2002H609	20K OHM 1/2 W 5.00% TA52
R473	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R474	0RD2701H609	2.7K OHM 1/2 W 5.00% TA52
R475	0RD2200H609	220 OHM 1/2 W 5.00% TA52
R476	0RS3900K607	390 OHM 2 W 5.00% TA62

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R477	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R478	0RS2001K607	2K OHM 2 W 5.00% TA62
R479	0RD5601F609	5.6K OHM 1/6 W 5% TA52
R480	0RS2001K607	2K OHM 2 W 5.00% TA62
R481	0RS3902K607	39K OHM 2 W 5.00% TA62
R482	0RS3902K607	39K OHM 2 W 5.00% TA62
⚠ R483	0RN2002F409	20K OHM 1/6 W 1.00% TA52
⚠ R484	0RN9102F409	91K OHM 1/6 W 1.00% TA52
R485	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R486	0RS1002H609	10K OHM 1/2 W 5.00% TA52
R487	0RS0202K607	20 OHM 2 W 5.00% TA62
R488	180-A01E	2 W RW ROUND G 2W 0.33J TA31(63)
R489	0RD0472F609	47 OHM 1/6 W 5% TA52
⚠ R490	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R491	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R492	0RD1303F609	130K OHM 1/6 W 5.00% TA52
R493	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
⚠ R494	0RF0121H609	1.2 OHM 1/2 W 5.00% TA52
R495	0RD1001F609	1K OHM 1/6 W 5% TA52
R496	0RD1602F609	16K OHM 1/6 W 5.00% TA52
R497	0RD7501F609	7.5K OHM 1/6 W 5.00% TA52
R498	0RS2702H609	27K OHM 1/2 W 5.00% TA52
R499	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R694	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R695	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R802	0RD1001F609	1K OHM 1/6 W 5% TA52
R803	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R803	180-A01P	0.13 OHM 2 W 5% TA62 RWR
R804	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R805	0RD0562H609	56 OHM 1/2 W 5.00% TA52
R807	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R808	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R815	0RD1001F609	1K OHM 1/6 W 5% TA52
R817	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R818	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R819	0RS0470H609	0.47 OHM 1/2 W 5.00% TA52
R81G	180-C02B	4.7MOHM 1/2 W 10% A
R820	0RS1203K607	120K OHM 2 W 5.00% TA62
R821	0RS0331H609	3.3 OHM 1/2 W 5.00% TA52
R827	0RD0681H609	6.8 OHM 1/2 W 5.00% TA52
R828	0RD2001H609	2K OHM 1/2 W 5.00% TA52
R829	0RD1001F609	1K OHM 1/6 W 5% TA52
R830	180-C02B	4.7MOHM 1/2 W 10% A
R831	0RD1001F609	1K OHM 1/6 W 5% TA52
R832	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R833	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R834	0RD7500F609	750 OHM 1/6 W 5% TA52
R835	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R837	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R839	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R840	0RD1002F609	10K OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R851	0RD9100F609	910 OHM 1/6 W 5.00% TA52
R861	180-777H	RWR 7W 910 J VERT
R871	0RD4302F609	43K OHM 1/6 W 5.00% TA52
R872	0RD5602F609	56K OHM 1/6 W 5% TA52
R887	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R891	0RN1201F409	1.2K OHM 1/6 W 1.00% TA52
R892	0RN1801F409	1.8K OHM 1/6 W 1.00% TA52
R893	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R894	0RD2001F609	2K OHM 1/6 W 5% TA52
R895	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R897	0RS3301K607	3.3K OHM 2 W 5.00% TA62
R898	0RS3301K607	3.3K OHM 2 W 5.00% TA62
R899	0RS0161K607	1.6 OHM 2 W 5.00% TA62
R901	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R901B	0RD1000F609	100 OHM 1/6 W 5% TA52
R901G	0RD1000F609	100 OHM 1/6 W 5% TA52
R901R	0RD1000F609	100 OHM 1/6 W 5% TA52
R902	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R902B	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R902G	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R902R	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R903	0RD1200F609	120 OHM 1/6 W 5.00% TA52
R903B	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R903G	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R903R	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R904	0RD1002F609	10K OHM 1/6 W 5% TA52
R904B	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R904G	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R904R	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R905	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R905	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R905B	0RD0102F609	10 OHM 1/6 W 5% TA52
R905G	0RD0102F609	10 OHM 1/6 W 5% TA52
R905R	0RD0102F609	10 OHM 1/6 W 5% TA52
R906	0RD0622F609	62 OHM 1/6 W 5.00% TA52
R906B	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R906G	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R906R	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R907	0RD1001F609	1K OHM 1/6 W 5% TA52
R907B	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R907G	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R907R	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R908	0RD0472F609	47 OHM 1/6 W 5% TA52
R908B	0RD1001F609	1K OHM 1/6 W 5% TA52
R908G	0RD1001F609	1K OHM 1/6 W 5% TA52
R908R	0RD1001F609	1K OHM 1/6 W 5% TA52
R909B	0RS4702K607	47K OHM 2 W 5.00% TA62
R909G	0RS4702K607	47K OHM 2 W 5.00% TA62
R909R	0RS4702K607	47K OHM 2 W 5.00% TA62
R910B	180-C02P	220OHM 1/2 W 5% TA52
R910G	180-C02P	220OHM 1/2 W 5% TA52

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R910R	180-C02P	220OHM 1/2 W 5% TA52
R911	0RS4700K607	470 OHM 2 W 5.00% TA62
R911B	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R911G	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R911R	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R912	0RS4700K607	470 OHM 2 W 5.00% TA62
R912B	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R912G	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R912R	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R913	0RS4700K607	470 OHM 2 W 5.00% TA62
R913B	0RF0820H609	0.82 OHM 1/2 W 5.00% TA52
R913G	0RF0820H609	0.82 OHM 1/2 W 5.00% TA52
R913R	0RF0820H609	0.82 OHM 1/2 W 5.00% TA52
R914B	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R914G	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R914R	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52
R915B	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R915G	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R915R	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R916B	0RD3900F609	390 OHM 1/6 W 5% TA52
R916G	0RD3900F609	390 OHM 1/6 W 5% TA52
R916R	0RD3900F609	390 OHM 1/6 W 5% TA52
R918G	0RD1002F609	10K OHM 1/6 W 5% TA52
R919B	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R919G	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R919R	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R920B	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R920G	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R920R	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R921B	0RD2001F609	2K OHM 1/6 W 5% TA52
R921G	0RD2001F609	2K OHM 1/6 W 5% TA52
R921R	0RD2001F609	2K OHM 1/6 W 5% TA52
R922B	0RF0102K607	10 2W 5% TA62
R922G	0RF0102K607	10 2W 5% TA62
R922R	0RF0102K607	10 2W 5% TA62
R923B	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R923G	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R923R	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R925B	0RD1002F609	10K OHM 1/6 W 5% TA52
R925G	0RD1002F609	10K OHM 1/6 W 5% TA52
R926B	180-C02P	220OHM 1/2 W 5% TA52
R926B	180-C02Q	330OHM 1/2 W 5% TA52
R926G	180-C02P	220OHM 1/2 W 5% TA52
R926G	180-C02Q	330OHM 1/2 W 5% TA52
R926R	180-C02P	220OHM 1/2 W 5% TA52
R926R	180-C02Q	330OHM 1/2 W 5% TA52
RR03	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
RR08	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
RR09	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
RT01	0RD8200F609	820 OHM 1/6 W 5.00% TA52
RT03	0RD4700F609	470 OHM 1/6 W 0.05 TA52
RT04	0RD4700F609	470 OHM 1/6 W 0.05 TA52
RT05	0RD1002F609	10K OHM 1/6 W 5% TA52
RT07	0RD1000F609	100 OHM 1/6 W 5% TA52
RT08	0RD1000F609	100 OHM 1/6 W 5% TA52
RT09	0RD1000F609	100 OHM 1/6 W 5% TA52
RT10	0RD1000F609	100 OHM 1/6 W 5% TA52
RT11	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT12	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT13	0RD1000F609	100 OHM 1/6 W 5% TA52
RT14	0RD1000F609	100 OHM 1/6 W 5% TA52
RT15	0RD1000F609	100 OHM 1/6 W 5% TA52
RT16	0RD1000F609	100 OHM 1/6 W 5% TA52
RT17	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT18	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT19	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT20	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT21	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT22	0RD1000F609	100 OHM 1/6 W 5% TA52
RX644	180-777H	RWR 7W 910 J VERT
VR401	0RV1103D550	10K OHM 6 AG L3P5, 2.5 -
SPARK		
SG401	6918VAX002B	SPARK, SSA-102N-A1 1000V 30% 5MM
SG402	6918VAX002B	SPARK, SSA-102N-A1 1000V 30% 5MM
SG901B	6918VAX002D	SPARK, WSP-301M 300V 20% 5MM
SG901G	6918VAX002D	SPARK, WSP-301M 300V 20% 5MM
SG901R	6918VAX002D	SPARK, WSP-301M 300V 20% 5MM
SG902B	6918VAX002B	SPARK, SSA-102N-A1 1000V 30% 5MM
SG902G	6918VAX002B	SPARK, SSA-102N-A1 1000V 30% 5MM
SG902R	6918VAX002B	SPARK, SSA-102N-A1 1000V 30% 5MM
SG903B	6918VAX002D	SPARK, WSP-301M 300V 20% 5MM
SG903G	6918VAX002D	SPARK, WSP-301M 300V 20% 5MM
SG903R	6918VAX002D	SPARK, WSP-301M 300V 20% 5MM
SWITCH		
SW880	140-275E	SWITCH,PUSH DC50V 0.3A 300G
SWT01	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT02	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT03	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT04	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT05	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT06	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT07	140-313B	SWITCH, TACT 2LEAD 160G(TA)
SWT08	140-313B	SWITCH, TACT 2LEAD 160G(TA)
JACK & FUSE		
JA1201	6613V00004R	JACK, PJ6054L 4X1 4PIN S-VHS
JK100	6612JH003FB	JACK, PPJ136B 3X3 9PIN A/V 2-IN.1-OUT
JK101	380-404A	JACK, PHSJ-9504 HOSIDEN .
JK600	6612JH003FC	JACK, PPJ136C 3X3 5PIN A/V(3)-IN,AD(2)-
JKX100	6612VJH022C	JACK, PPJ125C 2X5 10PIN,COMPO-6,AD-4

REPLACEMENT PARTS LIST

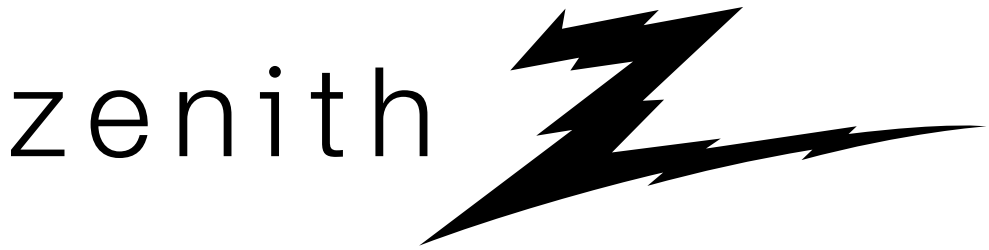
LOCA. NO	PART NO	DESCRIPTION
F800	0FS5001B51D	FUSE,SLOW BLOW5000MA 250 V 5.2X20
FILTER & RESONATOR		
FB2000	125-022K	FILTER, FERRITE 1UH TAPING
FB2001	125-022K	FILTER, FERRITE 1UH TAPING
FB2002	125-022K	FILTER, FERRITE 1UH TAPING
FB2003	125-022K	FILTER, FERRITE 1UH TAPING
FB2004	125-022K	FILTER, FERRITE 1UH TAPING
FB2005	125-022K	FILTER, FERRITE 1UH TAPING
FB2006	125-022K	FILTER, FERRITE 1UH TAPING
FB2007	125-022K	FILTER, FERRITE 1UH TAPING
FB2008	125-022K	FILTER, FERRITE 1UH TAPING
FB2009	125-022K	FILTER, FERRITE 1UH TAPING
FB2010	125-022K	FILTER, FERRITE 1UH TAPING
FB2011	125-022K	FILTER, FERRITE 1UH TAPING
FB402	125-022K	FILTER, FERRITE 1UH TAPING
FB403	125-022K	FILTER, FERRITE 1UH TAPING
FB801	125-022K	FILTER, FERRITE 1UH TAPING
FB802	125-022K	FILTER, FERRITE 1UH TAPING
FB803	125-022K	FILTER, FERRITE 1UH TAPING
FB805	125-022K	FILTER, FERRITE 1UH TAPING
FB841	125-022K	FILTER, FERRITE 1UH TAPING
FB851	125-022K	FILTER, FERRITE 1UH TAPING
FB852	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB861	125-022K	FILTER, FERRITE 1UH TAPING
FB871	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB872	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB881	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB882	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB891	125-022K	FILTER, FERRITE 1UH TAPING
FB892	125-022K	FILTER, FERRITE 1UH TAPING
FB901B	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB901G	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB901R	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB905B	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB905G	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB905R	125-123A	FILTER, FERRITE BFD3565R2F(TAPING)
FB931	125-022K	FILTER, FERRITE 1UH TAPING
FB932	125-022K	FILTER, FERRITE 1UH TAPING
FB933	125-022K	FILTER, FERRITE 1UH TAPING
FB934	125-022K	FILTER, FERRITE 1UH TAPING
FB935	125-022K	FILTER, FERRITE 1UH TAPING
FB936	125-022K	FILTER, FERRITE 1UH TAPING
L01	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L02	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L05	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L06	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L1002	6210VC0005A	FILTER, 2X1.25X0.85MM R/TP
L1003	6210VC0005A	FILTER, 2X1.25X0.85MM R/TP
L1004	6210VC0005A	FILTER, 2X1.25X0.85MM R/TP
L101	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP

LOCA. NO	PART NO	DESCRIPTION
L106	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L108	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L117	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L200	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L2007	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2008	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2009	6210TCT002B	FILTER, ACB2012M-300-T TDK
L201	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L2010	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2011	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2012	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2013	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2014	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2018	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2021	6210TCT002B	FILTER, ACB2012M-300-T TDK
L2027	125-022K	FILTER, FERRITE 1UH TAPING
L2028	6210TCT002B	FILTER, ACB2012M-300-T TDK
L203	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L204	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L205	6210TCT002B	FILTER, ACB2012M-300-T TDK
L206	6210TCT002B	FILTER, ACB2012M-300-T TDK
L206	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L206	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L208	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L260	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L262	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L263	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L264	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L266	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L267	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L268	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L269	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L270	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L600	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L601	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L608	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L609	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L610	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L700	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L701	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
L81A	150-F06Z	FILTER, 10MH 0.85PHY 50TURN
L81B	150-F06Z	FILTER, 10MH 0.85PHY 50TURN
L81C	150-F06Z	FILTER, 10MH 0.85PHY 50TURN
LX100	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
LX105	6210VC0006A	FILTER, 3.2X1.6X1.6MM R/TP
X01	156-A01T	RESONATOR, 10.000MHZ 30PPM 12PF BK
X200	156-A02Z	RESONATOR, 20.000MHZ 30PPM 16PF BK
X260	6202VDB007B	RESONATOR, 20.250MHZ 30PPM 13PF BK
X261	166-E02F	RESONATOR, CSB500F9 500KHZ BK .
X262	156-A01E	RESONATOR, 4.000MHZ 30PPM 15PF BK
X500	6212BA2002C	RESONATOR, 2.69MHZ +/- 15 PPM BULK

REPLACEMENT PARTS LIST

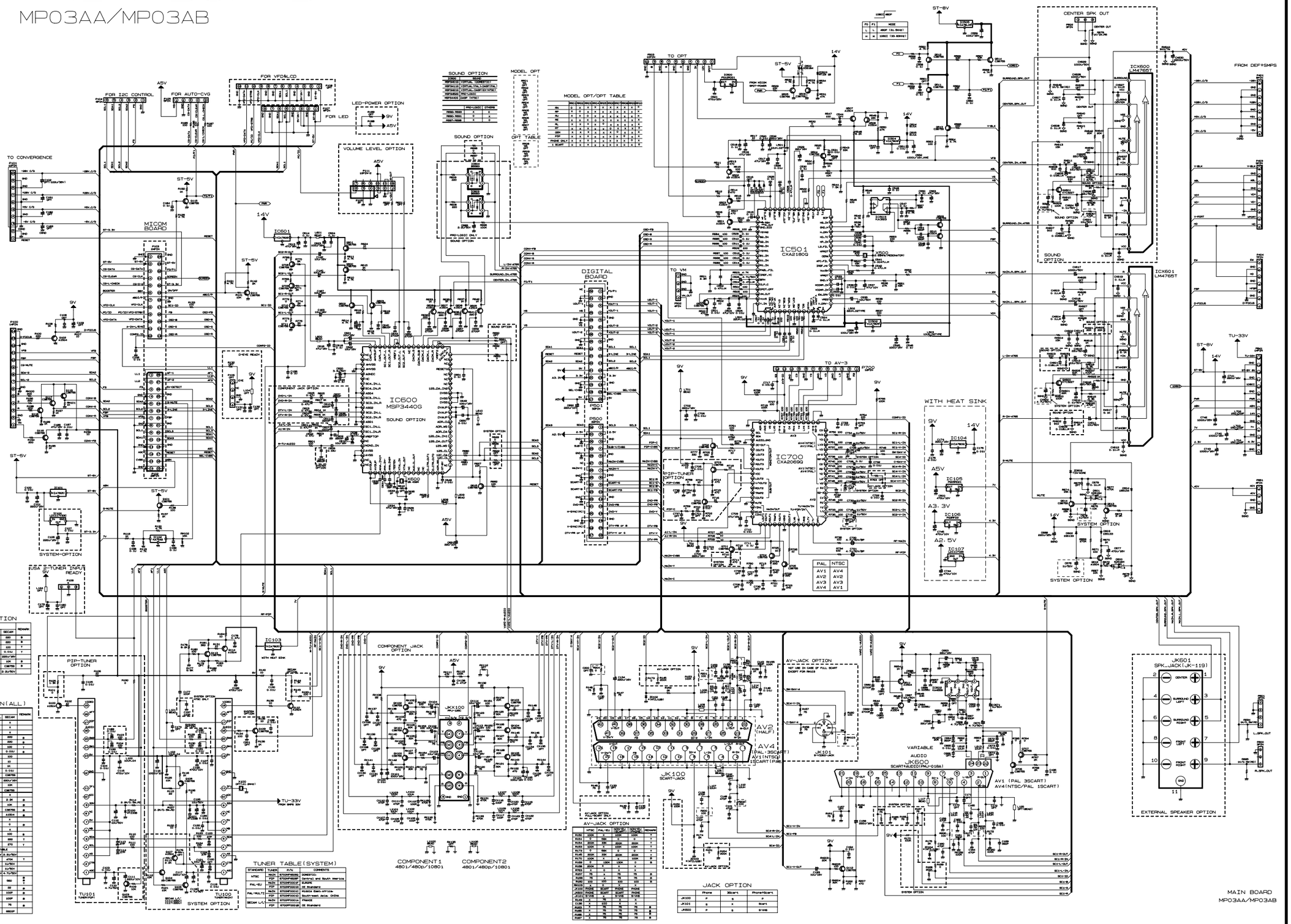
LOCA. NO	PART NO	DESCRIPTION
X600	156-A02R	RESONATOR, 18.432MHZ 30PPM 16PF BK
Z200	6200C000010	FILTER, H354LAI-K5202 R/TP
Z201	6200C000010	FILTER, H354LAI-K5202 R/TP
Z202	6200C000009	FILTER, H354LAI-K5225 R/TP
Z260	6200VKR001A	FILTER, LPF 1EA SMD H354LAI-K5206
Z261	6200VKR001B	FILTER, LPF 2EA SMD TH355LSK-K5214
Z262	6200VKR001A	FILTER, LPF 1EA SMD H354LAI-K5206
ACCESSORIES		
A1	3828VA0432E	MANUAL,OWNER SMP03AA RU-40/45NZ60
"	3828VA0432J	MANUAL,OWNER *R40/45W46FA
A2	6710V00103D	REMOTE CONTROLLER,MP03AA PIP
"	6710V00103G	REMOTE CONTROLLER *R40/45W46FA
A3	387-084C	ADAPTER,AC POWER(D4.0 W/O EYELET)
A4	172-050Z	CABLE ASSEMBLY,COAXIAL(L=150MM)
MISCELLANEOUS		
⚠ IC01	381-204D	SOCKET(CIRC),IC64P(1.78-19.05 AMMON)
NTC80A	163-048D	THERMISTOR,KL15L2R5 +/- 15% 125V
NTC80B	163-048D	THERMISTOR,KL15L2R5 +/- 15% 125V
PA01P	6726VH0001A	REMOTE CONTROLLER RECEIVER,38KHZ
SK901B	381-226L	SOCKET (CIRC),CPT100K OHM 9PIN
SK901G	381-226L	SOCKET (CIRC),CPT100K OHM 9PIN
SK901R	381-226L	SOCKET (CIRC),CPT100K OHM 9PIN T
⚠ T403	6174V-5007A	FBT,6174Z-6500A 44 JW 6174Z-6400B VE .
TU100	6700NFNS06Q	TUNER,TAUD-H101F LG INOTEK NTSC FS
TU101	6700NFNS06P	TUNER,TAFD-H101P LG INOTEK NTSC FS
VA800	164-003K	VARISTOR,SVC621D-14A ILJIN 620V 0%
⚠ SCR1	6030V00003A	SCR,P0123BA 200V 0.8A TP-92

LOCA. NO	PART NO	DESCRIPTION


zenith

MAIN BOARD

MP03AA/MP03AB



PIP-TUNER OPTION

REF. NO.	WATCHING TO SYSTEM				REMARK
	NTSC	PAL-EU	PAL-M/L	SECAM	
R109	1.3K	220	220	220	S
R121	0	220	220	220	T
R105-R104	X	100	100	100	T
C086-C080	X	0.01U	0.01U	0.01U	T
C111	X	X	X	220U/16V	
R109	X	X	X	1K	S
D103	X	X	X	C9070S	S
C110	4.7U/50V	2.2U/50V	2.2U/50V	2.2U/50V	

SYSTEM OPTION(ALL)

REF. NO.	SYSTEM				REMARK
	NTSC	PAL-EU	PAL-M/L	SECAM	
IC100	LZ11773	X	X	X	
C106	220U/16V	X	X	X	
C227	0.01U	X	X	X	
R144	1.3K	220	220	220	S
R143	0	220	220	220	S
R105-R104	X	100	100	100	T
C085-C080	X	0.01U	0.01U	0.01U	T
R134	X	X	X	100	
R135	X	X	X	10	
R138	X	X	X	1K	
C188	X	X	X	0.01U	
D109	X	X	X	C9070S	
C117	X	X	X	220U/16V	
R121	X	X	X	10K	
R106	X	X	X	C9070S	
R178	X	X	X	X	
R113	2.2K	2.2K	2.2K	2.2K	S
R110	10K	10K	10K	10K	S
D104	C9070S	C9070S	C9070S	C9070S	S
D107	A1054	A1054	A1054	A1054	S
C197	100P	X	X	X	
R600-R603	X	0	0	0	S
R626-R629	0	X	X	X	
R233	X	100	X	100	S
R710	0	220	330	390	T
R711	470	270	270	270	T
TU101		NEP05 TU-A09 TABLE			
C118	4.7U/50V	2.2U/50V	2.2U/50V	2.2U/50V	
R605-R606	390K	470K	470K	470K	T
C676	33U/16V	1U/50V	1U/50V	1U/50V	
C678	4.7U/16V	1U/50V	1U/50V	1U/50V	
C6902	33U/16V	4.7U/50V	4.7U/50V	4.7U/50V	
R600-R601 R602-R603	100	680	680	680	S T
R604	0	22	22	22	S
C600	X	100P	100P	100P	S
C713-C719	X	100P	100P	100P	S
R685-R687 R686-R687	X	75	75	75	S
C642	X	X	X	680P	

TUNER TABLE(SYSTEM)

STANDARD	TUNER	P/N	COMMENTS
NTSC	FEP	6700PF0009	DOMESTIC
	FEP	6700PF0008F	Central and South America
PAL-EU	VA2H	6700PF0001F	EUROPE
	FEP	6700PF0003S	OE Standard
PAL-M/L/I	VA2H	6700PF0001C	Middle East-Africa
	FEP	6700PF0003Q	South-west Asia, China
SECAM L,K	VA2H	6700PF0001A	FRANCE
	FEP	6700PF0003R	OE Standard

AV-JACK OPTION

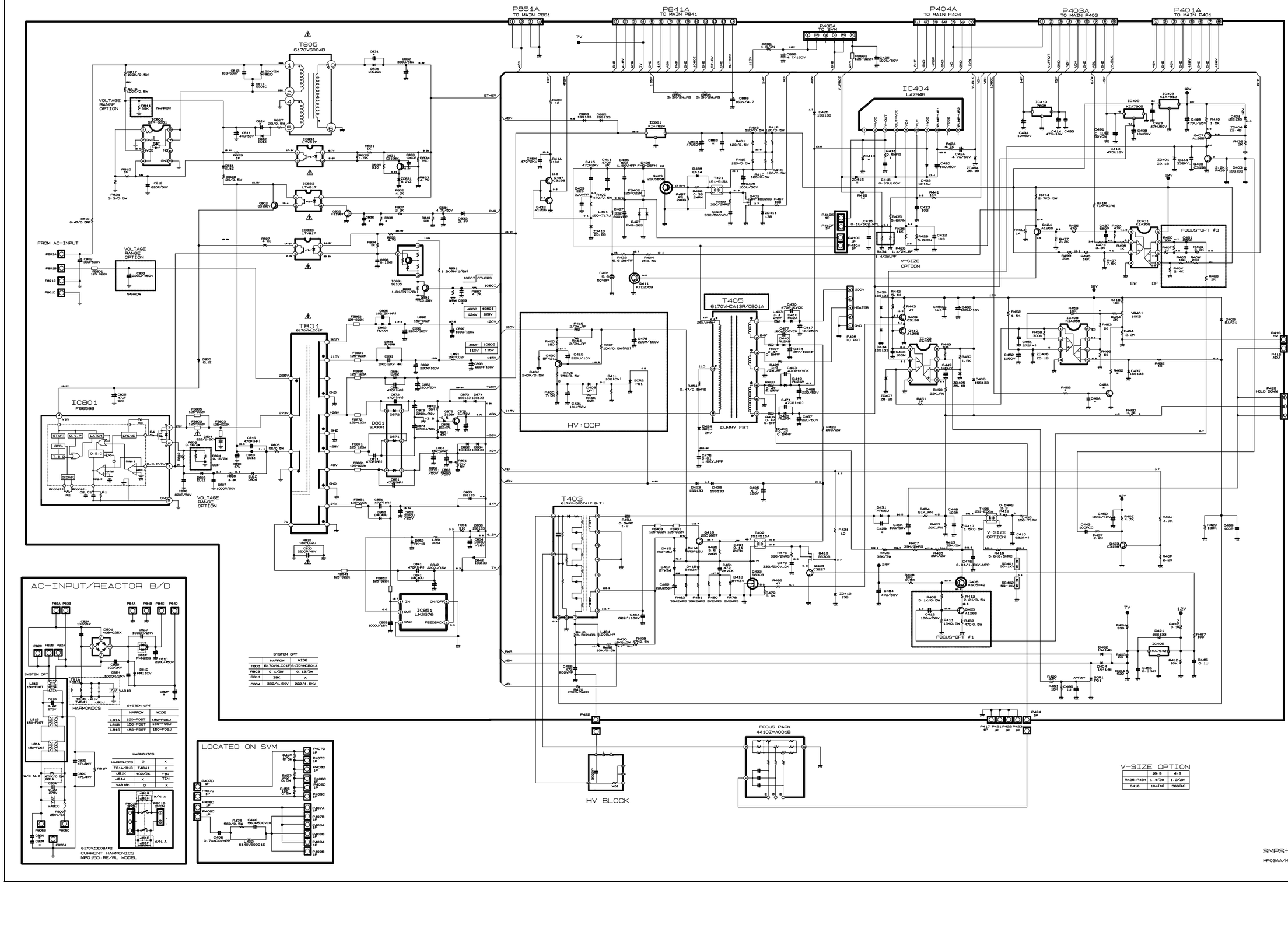
	NTSC	PAL-EU	NTSC/PAL (M/L)	PAL/SECAM (I)	REMARK
R150	100K	X	820K	100K	T
R151	0	100K	0	0	T
R154	820K	33K	820K	820K	T
R153	100K	X	100K	100K	T
R179	0	68K	0	0	T
R145	820K	33K	820K	820K	T
R146	100K	X	100K	100K	T
R156	820K	130K	130K	X	S
R158	820K	X	X	X	
R703	X	0	X	X	
R707	75	75	75	75	S
R188	75	X	75	75	S
R190	100	100	100	100	S
IM103	X	0	X	X	
JK100	RGB	SCART	RGB	RGB	
JK600	RGB	SCART	SCART	RGB	
JK101	S-VHS		S-VHS	S-VHS	
R189	X	75	X	X	
C138	X	100	1K	X	
R683	X	75	75	75	S
R685	X	75	75	75	S
R687	X	75	75	75	S

JACK OPTION

	Phone	3Scart	Phone+Scart
JK100	P	S	P
JK101	S	X	Scart
JK600	P	S	S+RGB

MAIN BOARD
MP03AA/MP03AB

SMPS+DEF B/D MP-03AA/AB



SYSTEM OPT	NARROW	WIDE
T801	6170VMLC01F	6170VMCB01A
R803	0.1/2W	0.13/2W
R811	39K	x
C804	332/1.6KV	222/1.6KV

SYSTEM OPT	NARROW	WIDE
L81A	150-F06T	150-F06J
L81B	150-F06T	150-F06J
L81C	150-F06T	150-F06J

HARMONICS	O	X
T81A/81B	T4841	X
J81K	102/2K	T1N
J81J	X	T1N
VA8181	O	X

V-SIZE OPTION	16:9	4:3
R426-R434	1.4/2W	1.2/2W
C410	104(1H)	563(1H)

DIGITAL BOARD
MP03AA/MP03AB

W/ 3D-COMB FILTER OPTION

IC200
UPD64084

IC262
VSP9427B

IC265
LGDT1000B

IC266
CXA2151Q

IC263
LA7217M

IC264
74LS157

IC261
LD1086V18

IC260
LD1086V18

X260
20.25M-Z

X261
50.00M-Z

X262
4M-Z

Z200 K5202
Z201 K5202
Z202 K5225
Z260 H954LAT
Z261 H955LAK

3D-COMB(PIP) SELECTION

	3D-COMB	OTHERS
R262	O	X
R263	X	O

H-FILTER(LGDT1000B)

	USED	UNUSED
R283	X	100
R285	X	100
R300	100	X
R301	100	X
	USED	UNUSED
R281	X	100
R282	X	100
R287	X	100

DVI&PC OPTION(ALL)

REF.NO	W/ DVI W/O PC	W/ PC W/O DVI	W/O PC W/O DVI
R360~R361	75	0	0
R362	75	x	x
R338~R339	0	75	75
R337	x	75	x
R358	x	100	100
R359	100	x	x
P262	11PIN	x	x
C359	220U/16V	x	x
C360	0.1U	x	x
JK260	x	PC-JACK	x
R335~R336	x	10K	x
R363~R364	10K	x	x
C336~C349	0.47U	x	x
C353~C361	x	0.47U	x
R313~R317	x	100	x

SYNC SELECTION(CXA2151)

	USED	UNUSED
R295	X	100
R296	X	100

OPERATION OF IC264

1080I	SELECT	Y
480P	L	A
	H	B

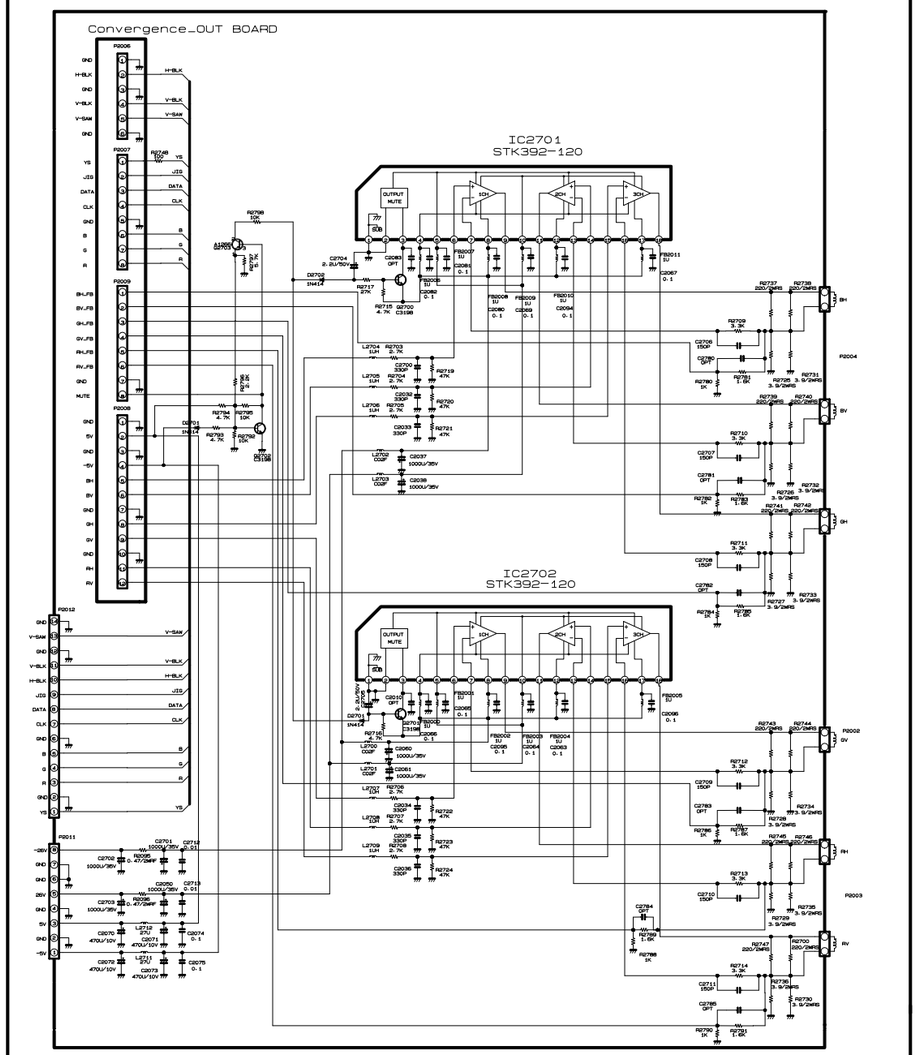
	w/ 3D-COMB	w/O 3D(NTSC)	w/O 3D(PAL)
R200	X	240	390
R201	X	220	75

Double Reference

Reference	REMARK
C200	MAIN
R202	MAIN
R203	MAIN
R204	MAIN
R205	MAIN
R206	MAIN
L200	CVD
L205	CONV

DIGITAL B/D
MP03AA PRO&100HZ

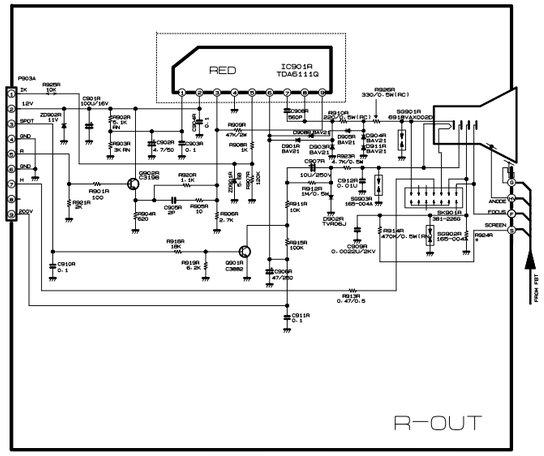
MP03AA/AB CONVERGENCE OUT

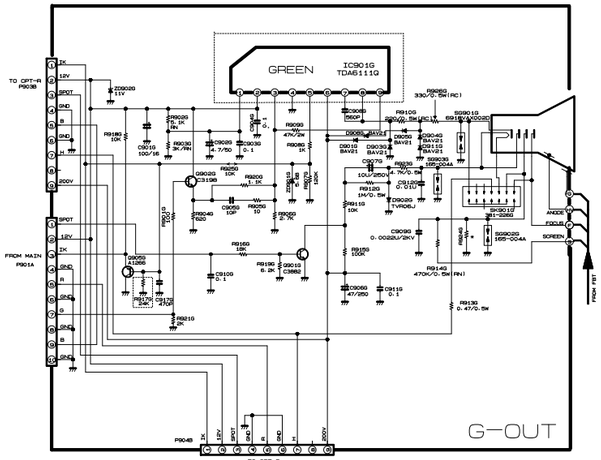


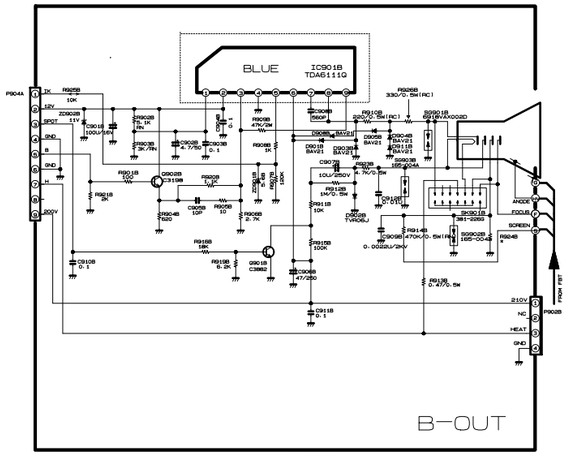
MP03AA/AB CONV OUT

RN-44NZ73H

MP03AA/AB CPT BOARD





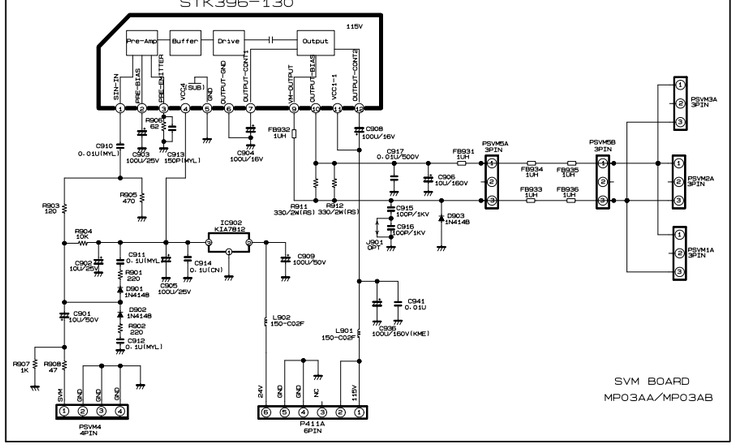


SYSTEM OPTION

	NTSC	PAL
R917G	24K	X

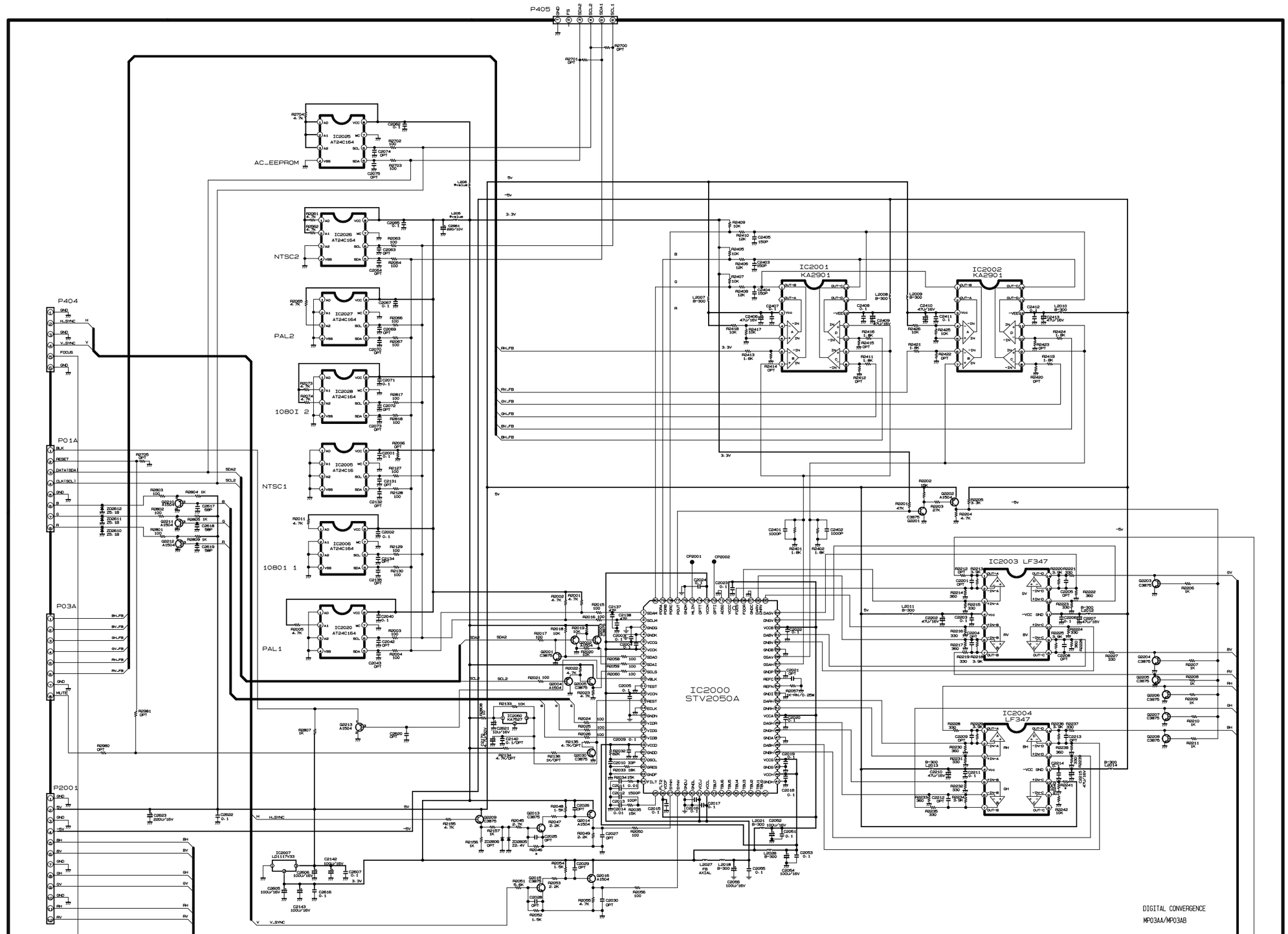
CPT BOARD
MP03AA/AB

MP03AA/AB SVM BOARD

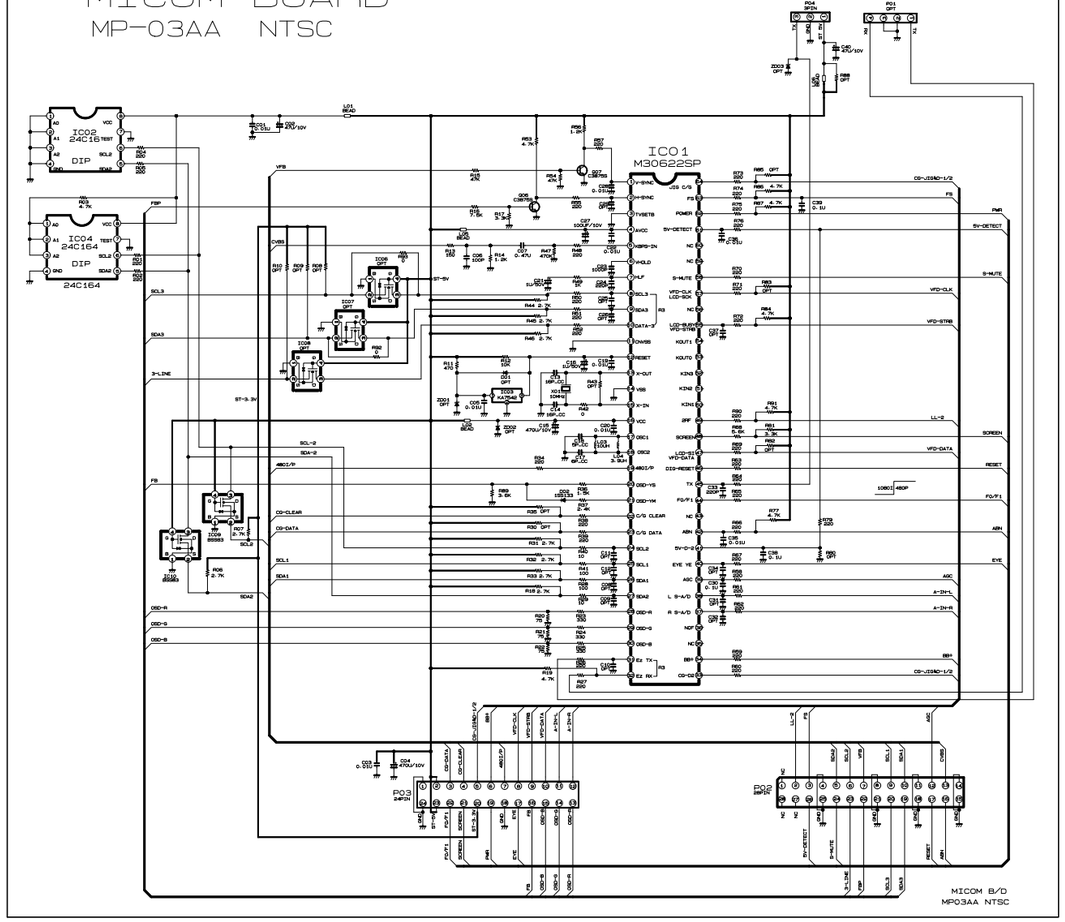


SVM BOARD
MP03AA/MP03AB

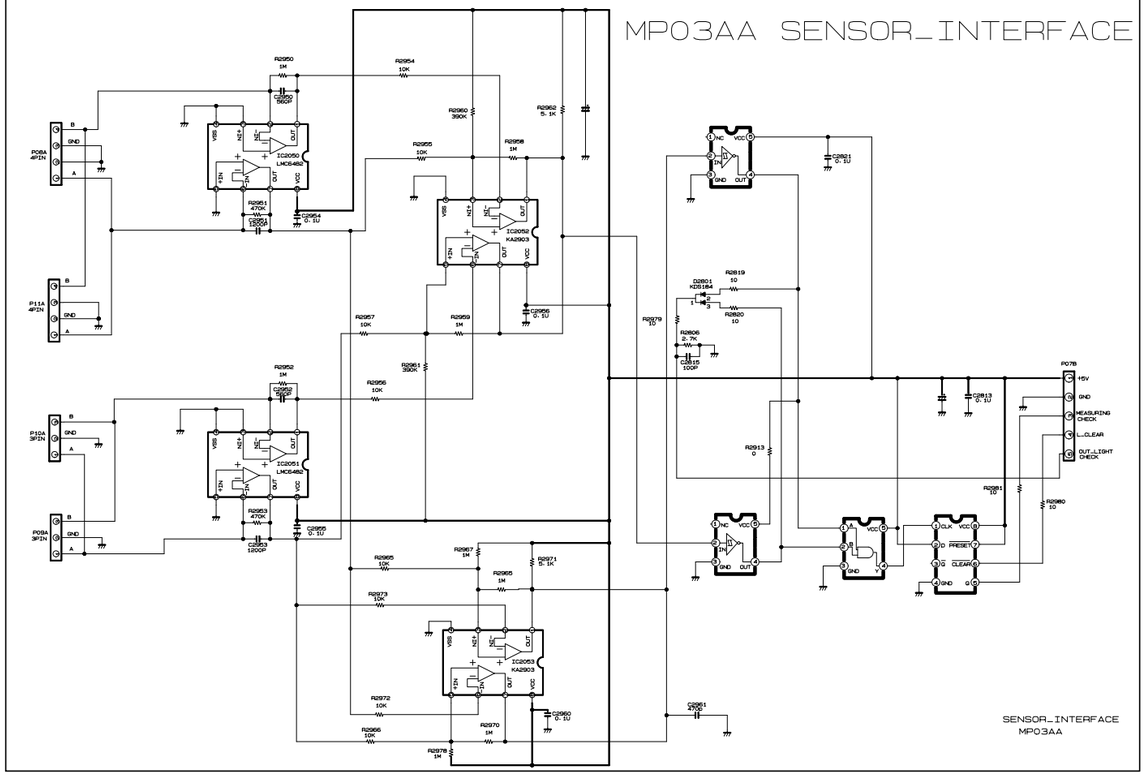
MP03AA/AB DIGITAL CONVERGENCE



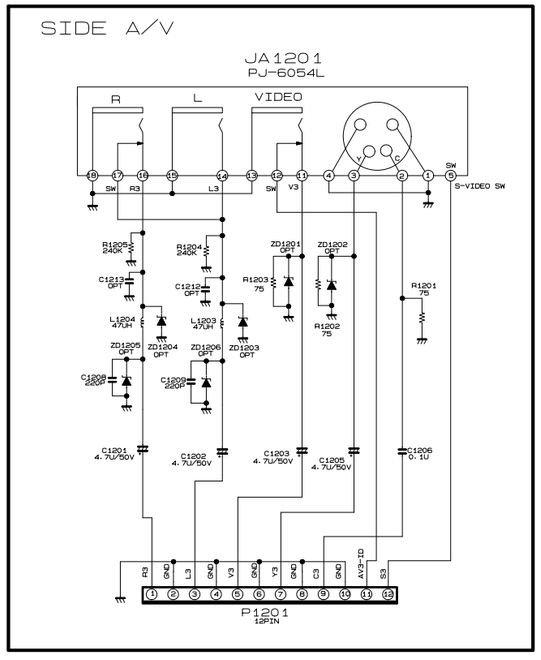
MICOM BOARD
MP-03AA NTSC

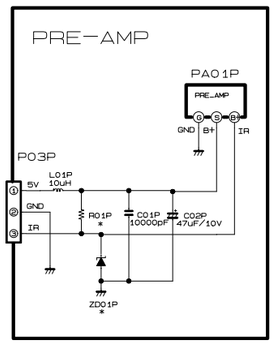


MP03AA SENSOR_INTERFACE



MP03AA/MP03AB SIDE-AV, PRE-AMP BOARD
RN-44NZ73H/74H/RN-40NZ60H/RN-39NZ45H/RN-44NZ25H/RN-49NZ25H





SIDE-AV/PRE-AMP
MP03AA/MP03AB

MP03AA LED-KEY CONTROL BOARD
RN-44NZ25H/RN-49NZ25H