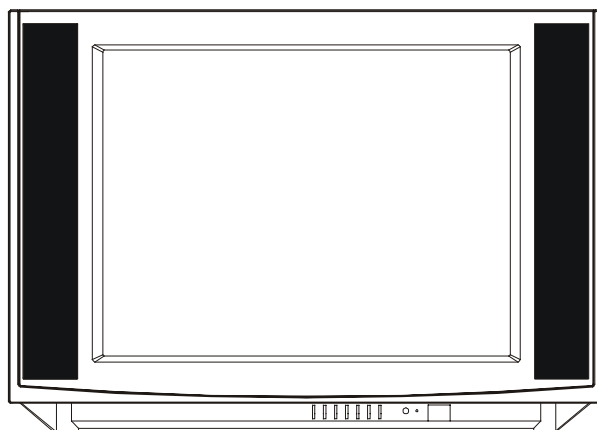


GOLD VISION

SERVICE MANUAL



GV-2188F

1. Caution.....	2
2. Specification.....	6
3. BOM List	13
4. Alignment Procedure.....	38
5. Block Diagram.....	45
6. Schematic Diagram.....	46
7. PCB Layout.....	47
8. Exploded View Diagram	48

This manual is the latest at the time of printing, and does not include the modification which may be made after the printing, by the constant improvement of product.

CAUTION:

Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.



CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lighting flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions- All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
- 10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



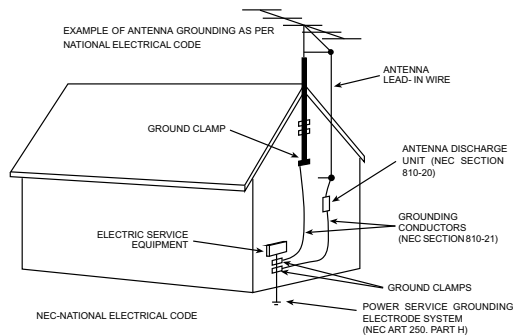
PROTECTION AND LOCATION OF YOUR SET

11.
 - Do not use this television set near water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
 - Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.
12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.
14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
 - Never cover the slots or openings with cloth or other material.
 - Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
 - Never place the set near or over a radiator or heat register.
 - Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

PROTECTION AND LOCATION OF YOUR SET

- 15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS



- 15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

OPERATION OF YOUR SET

18. This television set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set " off " and unplug the television set from the wall outlet.

IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

FOR SERVICE AND MODIFICATION

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

PRODUCT SPECIFICATION

MODEL: GV-2188F

AMBIENT CONDITIONS:

AMBIENT TEMPERATURE:

OPERATING: -10°C ~ +40°C

STORAGE: -15°C ~ +45°C

HUMIDITY

OPERATING: <80%

STORAGE: <90%

AIR PRESSURE: 86kpa ~ 106kpa

PREPARED BY :

DATE:

APPROVED BY:

DATE: _

A: GENERAL SPECIFICATION:

1: CRT

- ☐ 37cm(14")_____ ☐ 51cm (20")_____
- ☒ 54cm(21")_____ ☐ 64cm (25")_____
- ☐ 74cm (29")_____ ☐ 84cm (34")_____ ☐ OTHER_____

2: CHASSIS:

- ☐ DIGITAL ☐ NICAM STEREO ☒ ANALOG
- ☐ SURROUND SOUND ☒ TELETEXT ☐ GERMAN STEREO
- ☐ S.VHS ☐ OTHER _____

3: CPU:

- ☐ TSB M5C01 ☐ TSB M5C03 ☐ TSB M5ENG ☐ TSB M6/M6A ☐ TSB M7/M7A
- ☐ TSB M8A ☐ TSB M8B ☐ TSB CTS-654A ☐ TSB M2A ☐ SS M4F
- ☐ PHIL.CTV 222S ☐ MIT.(2911) ☐ SIE SDA 5352 ☒ OTHERS M17

4: TV BROADCASTING SYSTEM AND COUNTRY

- ☐ PAL-I ☐ PAL-BG ☐ PAL-DK ☐ PAL-DK.1
- ☒ PAL-DK.BG ☐ SECAM-BG ☐ SECAM-L ☒ SECAM-DK.BG
- ☐ PAL-N ☐ NTSC-M ☒ NTSC3.579/4.43 AV MODE ☐ 21 MULTI SYSTEM
- ☐ UK ☐ HK ☐ GERMAN ☐ RUSSIA
- ☐ CHINA ☐ USA ☐ E.EUROPE ☐ VIETNAM
- ☐ CANADA ☐ DUBAI ☐ INDONESIA ☐ S.AFRICA)
- ☐ MALAYSIA ☐ MID. AMERICA ☐ SINGAPORE
- ☐ ISRAEL ☐ AUSTRALIA & NEW ZEALAND ☐ TAIWAN
- ☒ MOROCCO ☐ PHILIPPINES ☐ OTHER _____

5: RECEIVING CHANNELS

- ☐ CH21--CH69 ☐ CH2--CH12 (CCIR)
- ☐ CHFA-CHS20 (FRANCE BAND) ☐ CH2--CHS41 (HYPER BAND)
- ☐ CH21--CH69 (FRANCE BAND) ☐ CH21--CH69 (HYPER BAND)
- ☐ CH2--CHS20 (CABLE BAND) ☐ CH2--CH13 (USA BAND)

☐ CH21--CH69 (CABLE BAND)

☐ CH14--CH83 (USA BAND)

☐ CHR1--CHR12 (OIRT)

☐ CH1--CH12/CH13-CH57 (CHINA BAND)

☒ OTHER CATV 470MHz

6: SCANNING LINES AND FREQUENCIES

☐ 625 LINES 15.625kHz 50Hz

☐ 525 LINES 15.75kHz 60Hz

☒ 525/625 LINES 15.625kHz /15.75kHz 50/60Hz

7: COLOUR SUB-CARRIER

☒ 4.433MHz

☒ 3.579MHz

☐ 3.58MHz

8: INTERMEDIATE FREQUENCIES

☐ PICTURE 39.5MHz

☐ SOUND 6.0MHz

☒ PICTURE 38.9MHz

☒ SOUND 5.5MHz

☐ PICTURE 38.0MHz

☒ SOUND 6.5MHz

☐ PICTURE 45.75MHz

☐ SOUND 4.5MHz

☐ OTHER

☐ AM SOUND 6.5MHz

9: POWER CONSUMPTION:

☐ 65W

☐ 70W

☐ 75W

☒ 80W

☐ 110W

☐ 120W

☐ 130W

☐ 140W

☐ 180W

☐ 190W

☐ OTHER

10: POWER SOURCE:

☐ AC 120V 60Hz±10%

☐ AC 200V 50Hz±10%

☐ AC 220V 50Hz±10%

☐ AC 220V 50Hz+10%~25%

☐ AC 240V 50Hz±10%

☒ AC 110V-240V 50/60Hz±10%

☐ OTHER

11: AUDIO OUTPUT POWER (7% THD)

- ☐ 13" & 14" ---1W
- ☐ 20" & 21" ---2W
- ☐ 20" & 21" ---2W + 2W (R + L)
- ☐ 25" ---4W + 4W (R + L)
- ☐ 29" ---6W + 6W (R + L)
- ☐ 34" ---8W + 8W(R + L)
- ☒ OTHER 21"-- >=4W+4W

12: AERIAL INPUT IMPEDANCE

- ☒ 75 Ω UNBALANCED DIN JACK ANT.INPUT75
- ☐ 75 Ω UNBALANCED F TYPE ANT.INPUT FOR NTSC
- ☐ 300 Ω BALANCED (TWO TERMINALS ANT.INPUT)
- ☐ OTHER_____

13: PRODUCT SAFETY REQUIREMENT

- ☐ BS APPROVAL
- ☐ VDE APPROVAL
- ☐ UL APPROVAL
- ☒ CHINA APPROVAL
- ☐ CB APPORVAL
- ☐ OTHER_____

14: PRODUCT EMC/EMI REQUIREMENT

- ☐ FTZ APPOVAL
- ☐ FCC APPROVAL
- ☒ CHINA APPOVAL
- ☐ OTHER_____

B: BASIC FEATURES OF CONTROLLER

1: CHANNEL TUNING METHOD

- ☒ VOLTAGE SYNTHESIZER (V.S.)

☐ PLL FREQUENCY SYNTHESIZER (F.S.)

2: PRESETTABLE PROGRAM

☐ 50 PROGRAMS

☐ 99 PROGRAMS

☒ 100 PROGRAMS

☐ 181 PROGRAMS

☐ OTHER_____

3: TUNING FOR VHF AND UHF BANDS

☒ AUTO SEARCH

☒ MANUAL TUNING

☒ FINE TUNING

4: PICTURE AND SOUND ADJUSTMENT

☒ BRIGHT, CONTRAST, COLOUR AND VOLUME CONTROL

☒ TINT CONTROL(NTSC)

☐ TREBLE, BASS, BALANCE CONTROL

☒ SHARPNESS CONTROL ☐ OTHER_

5: TELETEXT

☐ SIMPLE TEXT

☐ TOP(TABLE OF PAGES)

☐ FLOF (FASTEXT)

☐ LIST

6: ON SCREEN DISPLAY

☒ GENERAL FEATURES*

☐ STEREO DUAL LAN.

☐ FOUR S.EFFECT INDICATOR

☐ GERMAN STEREO INDICATOR

*REMARK: OSD-GENERAL FEATURES OF CPU:

VOLUME, BRIGHTNESS, CONTRAST, COLOUR, PROGRAM, BAND,
AUTO SEARCH, MANUAL, TUNE, MUTING, AV AND SLEEP TIMER.

7: SLEEP TIMER

☒ 10-120 MINUTES WITH 10M.INCREMENT

8: AUTO OFF WHEN NO BROADCASTING SIGNAL

☐ 10 min

☒ 15 min

☐ 20 min

9: FULL FUNCTION INFRARED REMOTE CONTROL

P/N OF REMOTE CONTROL INLAY : 58-HS46F0-1UI

10: REMOTE EFFECTIVE DISTANCE 8 m

C: CONSTRUCTION OF FRONT PANEL

- | | |
|---|--|
| ☒ MAIN POWER SWITCH | ☐ FUNCTION SELECT |
| ☒ REMOTE SENSOR | ☒ MENU SELECT |
| ☐ SYSTEM FUNCTION | ☐ S.VHS INPUT |
| ☐ MICROPHONE INPUT | ☒ TV/AV SELECT |
| ☒ STANDBY INDICATOR | ☒ PROGRAM VOLUME UP/DOWN |
| ☐ BAND SELECT | ☒ RCA SOCKET (SIDE) |
| ☐ EARPHONE INPUT | ☐ OTHER |
| ☐ AUTO SEARCH AND MANUAL TUNING SELECT | |

D: CONSTRUCTION OF REAR PANEL

- ☒ 75Ω AERIAL TERMINAL
- ☐ 300Ω AERIAL TERMINAL
- ☐ RCA SOCKET(AV INPUT ONLY)
- ☐ RCA SOCKET--AV IN/OUT
- ☐ RCA SOCKET --A-R+L IN/OUT, V- IN/OUT
- ☐ RCA SOCKET --A-R+L /V INPUT X 2
- ☒ SCART SOCKET
- ☐ S.VHS INPUT
- ☐ EXT/INT SPEAKER SELECT
- ☐ EXT.SPEAKERS (R+L) TERMINALS
- ☐ EXT.SPEAKERS (R+L) RCA SOCKET
- ☐ SUPER WOOFER TERMINAL
- ☐ OTHER_____

E: AUDIO AND VIDEO INPUT/OUTPUT

- ☐ RCA SOCKET

☒ SCART SOCKET(AV)

☐ SCART SOCKET (FULL)

SPECIFICATION	SCART	RCA
VIDEO INPUT 75 Ω	1V _{P-P}	1V _{P-P}
AUDIO INPUT 10k Ω (R+L)	0.5V _{rmS}	0.5V _{rmS}
VIDEO OUTPUT 75 Ω	1V _{P-P}	1V _{P-P}
AUDIO OUTPUT 1k Ω (R+L)	0.5V _{rmS}	0.5V _{rmS}
RGB INPUT 75 Ω	0.7V _{P-P}	
AUDIO LINE OUTPUT 1k Ω	1V _{P-P}	

F: OTHERS INFORMATION

- 1.FLYBACK: 37-BSC250-2110X
- 2.TUNER: 07-380VI5-NX4
- 3.SAW FILTER: 45-SAW296-6M00G
- 4.POWER CORD: _____
- 5.FUSE: _____
- 6.COLOUR TEMP: _____
- 7.MAGNETIC FIELD: _____
- 8.IC EEPROM: 13-00M24C-04P
- 9.IR RECEIVER: 11-IRR001-1X0
- 10.CIRCUIT DIAGRAM: 01-2180MU-M34
11. MAIN BOARD: 40-2111MU-MAK01

Parent Item No.	Item NO.	Description	Quantity Req.	Designator	Remarks
03-2188MU-MR34	08-02111U-SEY	ASS'Y - SECAM BD	1		
08-02111U-SEY	13-TA1275-AZ0	IC TA1275AZ (SECAM)	1	IC701	
08-02111U-SEY	18-CB0203-JNX	RES. C.F. 20K OHM 1/6W +/-5%	1	R708	
08-02111U-SEY	18-CB0331-JNX	RES. C.F. 330 OHM 1/6W +/-5%	1	R701	
08-02111U-SEY	18-CB0332-JNX	RES. C.F. 3.3k OHM 1/6W +/-5%	1	R702	
08-02111U-SEY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C702	
08-02111U-SEY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C706	
08-02111U-SEY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C707	
08-02111U-SEY	26-EBP330-JCX	CAP. CER 33PF 50V +/-5% CH	1	C703	
08-02111U-SEY	26-EBP330-JCX	CAP. CER 33PF 50V +/-5% CH	1	C711	
08-02111U-SEY	27-PBC333-JOX	CAP. P.E 0.033UF 63V +/-5%	1	C705	
08-02111U-SEY	34-R100J2-OEX	COIL PL - 10 UH +/-5%	1	L701	
08-02111U-SEY	34-R100J2-OEX	COIL PL - 10 UH +/-5%	1	L702	
08-02111U-SEY	34-R270J2-OEX	COIL PL - 27 UH +/-5%	1	L703	
08-02111U-SEY	40-2111MU-SMC	P.C.B. SECAM BD	1		P202 FOR M. BD S202
08-02111U-SEY	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J704	
08-02111U-SEY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J703	
08-02111U-SEY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J705	
08-02111U-SEY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J701	
08-02111U-SEY	46-27403H-08X	HS 8P TJC8-8A (RIGHT ANGLE)	1	P202	FOR M. BD S202
08-02111U-SEY	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C701	
08-02111U-SEY	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C708	
08-02111U-SEY	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C709	
08-02111U-SEY	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C710	
08-02111U-SEY	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C704	
03-2188MU-MR34	08-02111U-TXY	ASS'Y - TEXT PARTS "W.EUROPE"	1		
08-02111U-TXY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	DT01	
08-02111U-TXY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	DT02	
08-02111U-TXY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	DT03	
08-02111U-TXY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	DT04	
08-02111U-TXY	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	QT01	
08-02111U-TXY	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	QT02	
08-02111U-TXY	13-OSTV53-47P	IC STV5347	1	ICT01	
08-02111U-TXY	18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	RT10	
08-02111U-TXY	18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	RT11	
08-02111U-TXY	18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R293	
08-02111U-TXY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	RT07	
08-02111U-TXY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	RT06	
08-02111U-TXY	18-CB0183-JNX	RES. C.F. 18k OHM 1/6W +/-5%	1	RT13	
08-02111U-TXY	18-CB0222-JNX	RES. C.F. 2.2K OHM 1/6W +/-5%	1	RT14	

08-02111U-TXY	18-CB0392-JNX	RES. C.F. 3.9K OHM 1/6W +/-5%	1	RT05	
08-02111U-TXY	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	RT01	
08-02111U-TXY	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	RT02	
08-02111U-TXY	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	RT03	
08-02111U-TXY	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	RT12	
08-02111U-TXY	18-CB0682-JNX	RES. C.F. 6.8K OHM 1/6W +/-5%	1	RT04	
08-02111U-TXY	18-CE0102-JNX	RES. C.F. 1k OHM 1/2W +/-5%	1	R416	
08-02111U-TXY	26-ABC360-JZX	CAP. CER 36 PF 50V +/-5% SL	1	CT08	
08-02111U-TXY	26-ABC360-JZX	CAP. CER 36 PF 50V +/-5% SL	1	CT09	
08-02111U-TXY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	CT07	
08-02111U-TXY	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	CT01	
08-02111U-TXY	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	CT02	
08-02111U-TXY	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	CT10	
08-02111U-TXY	34-R101J2-OEX	COIL PL - 100 UH +/-5%	1	LT01	
08-02111U-TXY	34-R229J2-OEX	COIL PL - 2.2 UH +/-5%	1	LT02	
08-02111U-TXY	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J221	
08-02111U-TXY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	JT01	
08-02111U-TXY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	JT03	
08-02111U-TXY	41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	J220	
08-02111U-TXY	41-WJ0170-B00	WIRE BARE JUMPER 17MM	1	J039	
08-02111U-TXY	41-WJ0170-B00	WIRE BARE JUMPER 17MM	1	J040	
08-02111U-TXY	41-WJ0170-B00	WIRE BARE JUMPER 17MM	1	J041	
08-02111U-TXY	45-OSC13M-8Y0	CRYSTAL 13.875MHz	1	ZT01	
08-02111U-TXY	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	CT03	
08-02111U-TXY	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	CT05	
08-02111U-TXY	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	CT06	
03-2188MU-MR34	08-02188U-AVY	ASS'Y - SIDE AV BD	1		
08-02188U-AVY	40-2180MU-SIB	P.C.B. SIDE AV BD	1		
08-02188U-AVY	46-30790H-06X	HS 6P24 400 TJC3-6Y/SCN-6Y	1	P1102	FOR M. BD P904
08-02188U-AVY	47-RCA022-XX1	RCA SOCKET RCA-3316P1 Y/W/R	1	P1101	
03-2188MU-MR34	08-02188U-CRY	ASS'Y - CRT BD (LG)	1		
08-02188U-CRY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D501	
08-02188U-CRY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D502	
08-02188U-CRY	11-SC2482-0BX	TRANSISTOR 2SC2482	1	Q501	
08-02188U-CRY	11-SC2482-0BX	TRANSISTOR 2SC2482	1	Q503	
08-02188U-CRY	11-SC2482-0BX	TRANSISTOR 2SC2482	1	Q505	
08-02188U-CRY	11-A562TM-0BX	TRANSISTOR 2SA562TM-0	1	Q507	
08-02188U-CRY	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q502	
08-02188U-CRY	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q504	
08-02188U-CRY	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q506	
08-02188U-CRY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R515	

08-02188U-CRY	18-CB0272-JNX	RES. C.F. 2.7K OHM 1/6W +/-5%	1	R514	
08-02188U-CRY	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R501	
08-02188U-CRY	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R505	
08-02188U-CRY	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R510	
08-02188U-CRY	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R503	
08-02188U-CRY	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R508	
08-02188U-CRY	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R513	
08-02188U-CRY	18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R502	
08-02188U-CRY	18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R506	
08-02188U-CRY	18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R509	
08-02188U-CRY	18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R511	
08-02188U-CRY	18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R522	
08-02188U-CRY	18-FE0272-JNX	RES. M.O. 2.7K OHM 1/2W +/-5%	1	R519	
08-02188U-CRY	18-FE0272-JNX	RES. M.O. 2.7K OHM 1/2W +/-5%	1	R520	
08-02188U-CRY	18-FE0272-JNX	RES. M.O. 2.7K OHM 1/2W +/-5%	1	R521	
08-02188U-CRY	18-FG0153-JHX	RES. M.O. 15K OHM 2W +/-5%	1	R516	
08-02188U-CRY	18-FG0153-JHX	RES. M.O. 15K OHM 2W +/-5%	1	R517	
08-02188U-CRY	18-FG0153-JHX	RES. M.O. 15K OHM 2W +/-5%	1	R518	
08-02188U-CRY	25-BLA100-M1X	CAP. ELEC 10 UF 250V +/-20%	1	C504	
08-02188U-CRY	26-AMK182-KBX	CAP. CER 1800PF 2KV +/-10%	1	C505	
08-02188U-CRY	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C509	
08-02188U-CRY	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C508	
08-02188U-CRY	26-EBP391-JCX	CAP. CER. 390PF 50V +/-5% CH	1	C501	
08-02188U-CRY	26-EBP391-JCX	CAP. CER. 390PF 50V +/-5% CH	1	C502	
08-02188U-CRY	26-EBP391-JCX	CAP. CER. 390PF 50V +/-5% CH	1	C503	
08-02188U-CRY	34-R100K2-1BX	COIL CHOKE 10 UH +/-10%	1	L502	
08-02188U-CRY	34-R100K2-1BX	COIL CHOKE 10 UH +/-10%	1	L503	
08-02188U-CRY	35-139730-00X	FERR. BEAD BF60	2		FOR C508 (L505 & L506)
08-02188U-CRY	40-2129MS-CRB	P.C.B. CRT BD	1		
08-02188U-CRY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L504	
08-02188U-CRY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L501	
08-02188U-CRY	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R507	
08-02188U-CRY	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R504	
08-02188U-CRY	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R512	
08-02188U-CRY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J503	
08-02188U-CRY	46-10967W-01X	PIN BASE *1 TJC1-1A	1		FOR CRT GROUNDING
08-02188U-CRY	46-28816H-05X	HS 5P24 500 TJC3-5Y/SCN-5Y	1	P503	FOR M. BD P201
08-02188U-CRY	46-30615H-04X	HS 4P24 460 F/W TJC3-4Y/SCN-4	1	P502	FOR M. BD P402
08-02188U-CRY	47-265540-0U7	SOCKET CRT GZS10-2-4 (C.B.)	1	S501	
08-02188U-CRY	25-BCB471-M1X	CAP. ELEC 470 UF 16V +/-20%	1	C506	
03-2188MU-MR34	08-02188U-DPY	ASS'Y - DPC BD	1		

08-02188U-DPY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D1006	
08-02188U-DPY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D1001	
08-02188U-DPY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D1002	
08-02188U-DPY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D1003	
08-02188U-DPY	10-79C12V-DBX	DIODE ZENER 12V 1/2W 5%	1	D1005	
08-02188U-DPY	10-79C8V2-DBX	DIODE ZENER 8V2 1/2W 5%	1	D1004	
08-02188U-DPY	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q1003	
08-02188U-DPY	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q1002	
08-02188U-DPY	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q1005	
08-02188U-DPY	11-SD1499-QAX	TRANSISTOR 2SD1499Q (POWER)	1	Q1001	
08-02188U-DPY	11-SK2541-OBX	TRANSISTOR 2SK2541 (N-CHANNEL)	1	Q1004	
08-02188U-DPY	18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	1	R1007	
08-02188U-DPY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R1006	
08-02188U-DPY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R1020	
08-02188U-DPY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R1018	
08-02188U-DPY	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R1023	
08-02188U-DPY	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R1025	
08-02188U-DPY	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R1012	
08-02188U-DPY	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R1014	
08-02188U-DPY	18-CB0122-JNX	RES. C.F. 1.2k OHM 1/6W +/-5%	1	R1016	
08-02188U-DPY	18-CB0153-JNX	RES. C.F. 15k OHM 1/6W +/-5%	1	R1027	
08-02188U-DPY	18-CB0183-JNX	RES. C.F. 18k OHM 1/6W +/-5%	1	R1017	
08-02188U-DPY	18-CB0184-JNX	RES. C.F. 180K OHM 1/6W +/-5%	1	R1013	
08-02188U-DPY	18-CB0222-JNX	RES. C.F. 2.2K OHM 1/6W +/-5%	1	R1005	
08-02188U-DPY	18-CB0223-JNX	RES. C.F. 22K OHM 1/6W +/-5%	1	R1024	
08-02188U-DPY	18-CB0223-JNX	RES. C.F. 22K OHM 1/6W +/-5%	1	R1022	
08-02188U-DPY	18-CB0302-JNX	RES. C.F. 3K OHM 1/6W +/-5%	1	R1002	
08-02188U-DPY	18-CB0334-JNX	RES. C.F. 330K OHM 1/6W +/-5%	1	R1015	
08-02188U-DPY	18-CB0392-JNX	RES. C.F. 3.9K OHM 1/6W +/-5%	1	R1004	
08-02188U-DPY	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R1021	
08-02188U-DPY	18-CB0563-JNX	RES. C.F. 56K OHM 1/6W +/-5%	1	R1011	
08-02188U-DPY	18-CB0564-JNX	RES. C.F. 560K OHM 1/6W +/-5%	1	R1026	
08-02188U-DPY	18-CB0622-JNX	RES. C.F. 6.2K OHM 1/6W +/-5%	1	R1001	
08-02188U-DPY	18-CB0683-JNX	RES. C.F. 68K OHM 1/6W +/-5%	1	R1009	
08-02188U-DPY	18-CB0683-JNX	RES. C.F. 68K OHM 1/6W +/-5%	1	R1010	
08-02188U-DPY	18-CB0752-JNX	RES. C.F. 7.5K OHM 1/6W +/-5%	1	R1019	
08-02188U-DPY	18-CE0222-JNX	RES. C.F. 2.2k OHM 1/2W +/-5%	1	R1008	
08-02188U-DPY	18-FG0399-JHX	RES. M.O. 3.9 OHM 2W +/-5%	1	R1003	
08-02188U-DPY	20-TR203V-50X	TRIMMER B20K VERT TYPE	1	VR1024	
08-02188U-DPY	20-TR502V-50X	TRIMMER B5k VERT TYPE	1	VR1023	
08-02188U-DPY	25-264610-M1X		1	C1009	

08-02188U-DPY	27-MBC104-J0X	CAP. M.P.E 0.1 UF 63V +/-5%	1	C1005	
08-02188U-DPY	27-MBC104-J0X	CAP. M.P.E 0.1 UF 63V +/-5%	1	C1013	
08-02188U-DPY	40-2180MU-DPB	P.C.B. DPC BD	1		
08-02188U-DPY	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J1001	
08-02188U-DPY	46-29605H-06X	HS 6P24 140 F/W TJC3/SCN-6Y	1	P1001	FOR M. BD S1001
08-02188U-DPY	63-B30100-BT4	S/T SCREW B 3 X 10 BT	2		MTG DPC BD & H. SINK(IC301)
08-02188U-DPY	64-B30080-104	M/C SCREW B 3 X 8	1		MTG Q1001 & H. SINK
08-02188U-DPY	67-H27292-3A0	HEAT SINK	1		FOR Q1001
08-02188U-DPY	25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C1006	
08-02188U-DPY	25-BCB471-M1X	CAP. ELEC 470 UF 16V +/-20%	1	C1008	
08-02188U-DPY	25-BEB101-M1X	CAP. ELEC 100 UF 35V +/-20%	1	C1004	
08-02188U-DPY	25-BEB470-M1X	CAP. ELEC 47 UF 35V +/-20%	1	C1003	
08-02188U-DPY	25-BEB470-M1X	CAP. ELEC 47 UF 35V +/-20%	1	C1007	
03-2188MU-MR34	08-2188MU-MA4	ASS'Y - MAIN BD (AI)	1		
08-2188MU-MA4	10-1N4001-EBX	DIODE 1N4001 (RECTIFIER)	1	D301	
08-2188MU-MA4	10-1N4002-EBX	DIODE 1N4002 (RECTIFIER)	1	D411	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D206	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D312	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D313	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D314	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D315	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D601	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D602	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D603	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1		J918 [(+) & J211] / [(-) & R901]
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D006	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D007	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D008	
08-2188MU-MA4	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D009	
08-2188MU-MA4	10-79C4V7-DBX	DIODE ZENER 4V7 1/2W 5%	1	D208	
08-2188MU-MA4	10-79C5V1-DBX	DIODE ZENER 5V1 1/2W 5%	1	D004	
08-2188MU-MA4	11-2N3904-OBX	TRANSISTOR 2N3904 (NPN)	1	Q001	
08-2188MU-MA4	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q007	
08-2188MU-MA4	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q601	
08-2188MU-MA4	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q203	
08-2188MU-MA4	11-SA1015-YBX	TRANSISTOR 2SA1015Y	1	Q205	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q004	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q005	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q006	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q202	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q204	

08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q603	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q605	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q901	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q902	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q903	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q905	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q208	
08-2188MU-MA4	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q904	
08-2188MU-MA4	11-SC2482-OBX	TRANSISTOR 2SC2482	1	Q401	
08-2188MU-MA4	11-SC3779-DBX	TRANSISTOR 2SC3779D (RF AMPL)	1	Q101	
08-2188MU-MA4	18-CB0101-JNX	RES. C. F. 100 OHM 1/6W +/-5%	1	R238	
08-2188MU-MA4	18-CB0101-JNX	RES. C. F. 100 OHM 1/6W +/-5%	1	R251	
08-2188MU-MA4	18-CB0101-JNX	RES. C. F. 100 OHM 1/6W +/-5%	1	R048	
08-2188MU-MA4	18-CB0101-JNX	RES. C. F. 100 OHM 1/6W +/-5%	1	R049	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R028	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R041	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R054	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R059	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R129	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R226	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R227	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R234	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R236	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R267	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R268	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R269	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R283	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R301	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R302	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R411	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R622	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R637	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R903	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R910	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R912	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R208	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R211	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R905	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R907	
08-2188MU-MA4	18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R032	
08-2188MU-MA4	18-CB0103-JNX	RES. C. F. 10K OHM 1/6W +/-5%	1	R051	

08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R052	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R019	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R020	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R043	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R034	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R033	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R038	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R012	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R011	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R017	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R415	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R222	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R915	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R633	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R636	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R001	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R607	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R602	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R604	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R605	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R916	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R917	
08-2188MU-MA4	18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	1	R918	
08-2188MU-MA4	18-CB0104-JNX	RES. C.F. 100K OHM 1/6W +/-5%	1	R035	
08-2188MU-MA4	18-CB0104-JNX	RES. C.F. 100K OHM 1/6W +/-5%	1	R037	
08-2188MU-MA4	18-CB0104-JNX	RES. C.F. 100K OHM 1/6W +/-5%	1	R042	
08-2188MU-MA4	18-CB0106-JNX	RES. C.F. 10M OHM 1/6W +/-5%	1	R134	
08-2188MU-MA4	18-CB0123-JNX	RES. C.F. 12k OHM 1/6W +/-5%	1	R231	
08-2188MU-MA4	18-CB0151-JNX	RES. C.F. 150 OHM 1/6W +/-5%	1	R107	
08-2188MU-MA4	18-CB0151-JNX	RES. C.F. 150 OHM 1/6W +/-5%	1	R109	
08-2188MU-MA4	18-CB0152-JNX	RES. C.F. 1.5k OHM 1/6W +/-5%	1	R025	
08-2188MU-MA4	18-CB0153-JNX	RES. C.F. 15k OHM 1/6W +/-5%	1	R004	
08-2188MU-MA4	18-CB0153-JNX	RES. C.F. 15k OHM 1/6W +/-5%	1	R046	
08-2188MU-MA4	18-CB0153-JNX	RES. C.F. 15k OHM 1/6W +/-5%	1	R902	
08-2188MU-MA4	18-CB0182-JNX	RES. C.F. 1.8K OHM 1/6W +/-5%	1	R642	
08-2188MU-MA4	18-CB0183-JNX	RES. C.F. 18k OHM 1/6W +/-5%	1	R922A	
08-2188MU-MA4	18-CB0220-JNX	RES. C.F. 22 OHM 1/6W +/-5%	1	R901	
08-2188MU-MA4	18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R292	
08-2188MU-MA4	18-CB0222-JNX	RES. C.F. 2.2K OHM 1/6W +/-5%	1	R230	
08-2188MU-MA4	18-CB0222-JNX	RES. C.F. 2.2K OHM 1/6W +/-5%	1	R313	
08-2188MU-MA4	18-CB0223-JNX	RES. C.F. 22K OHM 1/6W +/-5%	1	R218	

08-2188MU-MA4	18-CB0223-JNX	RES. C.F. 22K OHM 1/6W +/-5%	1	R014A	
08-2188MU-MA4	18-CB0224-JNX	RES. C.F. 220K OHM 1/6W +/-5%	1	R232	
08-2188MU-MA4	18-CB0243-JNX	RES. C.F. 24K OHM 1/6W +/-5%	1	R306	
08-2188MU-MA4	18-CB0271-JNX	RES. C.F. 270 OHM 1/6W +/-5%	1	R273	
08-2188MU-MA4	18-CB0271-JNX	RES. C.F. 270 OHM 1/6W +/-5%	1	R215	
08-2188MU-MA4	18-CB0271-JNX	RES. C.F. 270 OHM 1/6W +/-5%	1	R216	
08-2188MU-MA4	18-CB0271-JNX	RES. C.F. 270 OHM 1/6W +/-5%	1	R217	
08-2188MU-MA4	18-CB0272-JNX	RES. C.F. 2.7K OHM 1/6W +/-5%	1	R266	
08-2188MU-MA4	18-CB0272-JNX	RES. C.F. 2.7K OHM 1/6W +/-5%	1	R018	
08-2188MU-MA4	18-CB0272-JNX	RES. C.F. 2.7K OHM 1/6W +/-5%	1	R021	
08-2188MU-MA4	18-CB0303-JNX	RES. C.F. 30K OHM 1/6W +/-5%	1	R210	
08-2188MU-MA4	18-CB0331-JNX	RES. C.F. 330 OHM 1/6W +/-5%	1	R282	
08-2188MU-MA4	18-CB0331-JNX	RES. C.F. 330 OHM 1/6W +/-5%	1	R284	
08-2188MU-MA4	18-CB0331-JNX	RES. C.F. 330 OHM 1/6W +/-5%	1	R287	
08-2188MU-MA4	18-CB0332-JNX	RES. C.F. 3.3k OHM 1/6W +/-5%	1	R611	
08-2188MU-MA4	18-CB0332-JNX	RES. C.F. 3.3k OHM 1/6W +/-5%	1	R614	
08-2188MU-MA4	18-CB0333-JNX	RES. C.F. 33K OHM 1/6W +/-5%	1	R005	
08-2188MU-MA4	18-CB0333-JNX	RES. C.F. 33K OHM 1/6W +/-5%	1	R006	
08-2188MU-MA4	18-CB0333-JNX	RES. C.F. 33K OHM 1/6W +/-5%	1	R922	
08-2188MU-MA4	18-CB0363-JNX	RES. C.F. 36K OHM 1/6W +/-5%	1	R304	
08-2188MU-MA4	18-CB0391-JNX	RES. C.F. 390 OHM 1/6W +/-5%	1	R219	
08-2188MU-MA4	18-CB0391-JNX	RES. C.F. 390 OHM 1/6W +/-5%	1	R220	
08-2188MU-MA4	18-CB0392-JNX	RES. C.F. 3.9K OHM 1/6W +/-5%	1	R013	
08-2188MU-MA4	18-CB0392-JNX	RES. C.F. 3.9K OHM 1/6W +/-5%	1	R015	
08-2188MU-MA4	18-CB0393-JNX	RES. C.F. 39K OHM 1/6W +/-5%	1	R209	
08-2188MU-MA4	18-CB0393-JNX	RES. C.F. 39K OHM 1/6W +/-5%	1	R294	
08-2188MU-MA4	18-CB0470-JNX	RES. C.F. 47 OHM 1/6W +/-5%	1	R061	
08-2188MU-MA4	18-CB0470-JNX	RES. C.F. 47 OHM 1/6W +/-5%	1	R026	
08-2188MU-MA4	18-CB0470-JNX	RES. C.F. 47 OHM 1/6W +/-5%	1	R009	
08-2188MU-MA4	18-CB0470-JNX	RES. C.F. 47 OHM 1/6W +/-5%	1	R010	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R027	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R110	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R908	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R906	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R923	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R401	
08-2188MU-MA4	18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R239	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R047	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R050	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R063	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R606	

08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R623	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R007	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R029	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R030	
08-2188MU-MA4	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R031	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R036	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R924	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R925	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R926	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R927	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R928	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R929	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R930	
08-2188MU-MA4	18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	1	R931	
08-2188MU-MA4	18-CB0560-JNX	RES. C.F. 56 OHM 1/6W +/-5%	1	R112	
08-2188MU-MA4	18-CB0561-JNX	RES. C.F. 560 OHM 1/6W +/-5%	1	R247	
08-2188MU-MA4	18-CB0622-JNX	RES. C.F. 6.2K OHM 1/6W +/-5%	1	R224	
08-2188MU-MA4	18-CB0681-JNX	RES. C.F. 680 OHM 1/6W +/-5%	1	R040	
08-2188MU-MA4	18-CB0683-JNX	RES. C.F. 68K OHM 1/6W +/-5%	1	R307	
08-2188MU-MA4	18-CB0750-JNX	RES. C.F. 75 OHM 1/6W +/-5%	1	R235	
08-2188MU-MA4	18-CB0750-JNX	RES. C.F. 75 OHM 1/6W +/-5%	1	R904	
08-2188MU-MA4	18-CB0752-JNX	RES. C.F. 7.5K OHM 1/6W +/-5%	1	R940	
08-2188MU-MA4	18-CB0820-JNX	RES. C.F. 82 OHM 1/6W +/-5%	1	R914	
08-2188MU-MA4	18-CB0820-JNX	RES. C.F. 82 OHM 1/6W +/-5%	1	R909	
08-2188MU-MA4	18-CB0822-JNX	RES. C.F. 8.2K OHM 1/6W +/-5%	1	R014	
08-2188MU-MA4	18-CB0822-JNX	RES. C.F. 8.2K OHM 1/6W +/-5%	1	R016	
08-2188MU-MA4	18-CB0912-JNX	RES. C.F. 9.1K OHM 1/6W +/-5%	1	R225	
08-2188MU-MA4	18-CD0100-JNX	RES. C.F. 10 OHM 1/4W +/-5%	1	R039	
08-2188MU-MA4	18-CD0103-JNX	RES. C.F. 10K OHM 1/4W +/-5%	1	R616	
08-2188MU-MA4	18-CD0273-JNX	RES. C.F. 27K OHM 1/4W +/-5%	1	R003	
08-2188MU-MA4	18-CD0331-JNX	RES. C.F. 330 OHM 1/4W +/-5%	1	R615	
08-2188MU-MA4	18-CE0152-JNX	RES. C.F. 1.5k OHM 1/2W +/-5%	1	R312A	
08-2188MU-MA4	18-CE0109-JNX	RES. C.F. 1 OHM 1/2W +/-5%	1	R303	
08-2188MU-MA4	18-CE0121-JNX	RES. C.F. 120 OHM 1/2W +/-5%	1	R221	
08-2188MU-MA4	18-CE0331-JNX	RES. C.F. 330 OHM 1/2W +/-5%	1	R414	
08-2188MU-MA4	18-CE0479-JNX	RES. C.F. 4.7 OHM 1/2W +/-5%	1	R640	
08-2188MU-MA4	25-BHB100-M1X	CAP. ELEC 10 UF 100V +/-20%	1	C420	
08-2188MU-MA4	25-GFB109-K1X	CAP. ELEC 1UF 50V +/-10%	1	C220	
08-2188MU-MA4	25-GFB229-K1X	CAP. ELEC 2.2UF 50V +/-10%	1	C305	
08-2188MU-MA4	26-ABC121-JZX	CAP. CER 120 PF 50V +/-5% SL	1	C031	
08-2188MU-MA4	26-AIC102-KBX	CAP. CER 1000 PF 500V +/-10% B	1	C401	

08-2188MU-MA4	26-AIC332-KBX	CAP. CER 3300 PF 500V +/-10% B	1	C403	
08-2188MU-MA4	26-AIC391-KBX	CAP. CER 390 PF 500V +/-10% B	1	C407	
08-2188MU-MA4	26-AIC391-KBX	CAP. CER 390 PF 500V +/-10% B	1	C412	
08-2188MU-MA4	26-AIC391-KBX	CAP. CER 390 PF 500V +/-10% B	1	C414	
08-2188MU-MA4	26-EBP100-JCX	CAP. CER 10PF 50V +/-5% CH	1	R202	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C002	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C016	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C017	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C018	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C019	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C038	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C039	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C239	
08-2188MU-MA4	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C311	
08-2188MU-MA4	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C033	
08-2188MU-MA4	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C221	
08-2188MU-MA4	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C309	
08-2188MU-MA4	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C404	
08-2188MU-MA4	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C032	
08-2188MU-MA4	26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C272	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C223	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C931	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C026	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C027	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C029	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C042	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C112	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C113	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C114	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C203	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C210	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C218	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C226	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C237	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C242	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C244	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C415	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C417	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C425	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C636	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C605	

08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C204	
08-2188MU-MA4	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C902	
08-2188MU-MA4	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C036	
08-2188MU-MA4	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C214	
08-2188MU-MA4	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C215	
08-2188MU-MA4	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C216	
08-2188MU-MA4	26-EBP120-JCX	CAP. CER 12PF 50V +/-5% CH	1	C201	
08-2188MU-MA4	26-EBP150-JCX	CAP. CER 15PF 50V +/-5% CH	1	C270	
08-2188MU-MA4	26-EBP220-JCX	CAP. CER 22PF 50V +/-5% CH	1	C269	
08-2188MU-MA4	26-EBP220-JZX	CAP. CER 22PF 50V +/-5% SL TU	1	C022	
08-2188MU-MA4	26-EBP220-JZX	CAP. CER 22PF 50V +/-5% SL TU	1	C023	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C004	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C010	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C427	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C911	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C912	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C913	
08-2188MU-MA4	26-EBP221-JCX	CAP. CER 220PF 50V +/-5% CH	1	C914	
08-2188MU-MA4	26-EBP222-KBX	CAP. CER 2200PF 50V +/-10% B	1	C424	
08-2188MU-MA4	26-EBP222-KBX	CAP. CER 2200PF 50V +/-10% B	1	C212	
08-2188MU-MA4	26-EBP300-JZX	CAP. CER 30PF 50V +/-5% SL	1	C025	
08-2188MU-MA4	26-EBP300-JZX	CAP. CER 30PF 50V +/-5% SL	1	C024	
08-2188MU-MA4	26-EBP470-JZX	CAP. CER 47PF 50V +/-5% SL	1	C001	
08-2188MU-MA4	26-EBP471-JCX	CAP. CER 470PF 50V +/-5% CH	1	C044	
08-2188MU-MA4	26-EBP472-KBX	CAP. CER 4700PF 50V +/-10% B	1	C235	
08-2188MU-MA4	26-EBP829-JCX	CAP. CER 8.2PF 50V +/-5% CH	1	C020	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C005	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C006	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C007	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C232	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C233	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C251	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C313	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C238	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C227	
08-2188MU-MA4	27-MBC104-JOX	CAP. M.P.E 0.1 UF 63V +/-5%	1	C228	
08-2188MU-MA4	27-MBC224-JOX	CAP. M.P.E 0.22UF 63V +/-5%	1	C229	
08-2188MU-MA4	27-MBC474-JOX	CAP. M.P.E 0.47UF 63V +/-5%	1	C222	
08-2188MU-MA4	27-PBC222-JOX	CAP. P.E 0.0022UF 63V +/-5%	1	C257	
08-2188MU-MA4	27-PBC392-JOX	CAP. P.E 0.0039UF 63V +/-5%	1	C603	
08-2188MU-MA4	27-PBC392-JOX	CAP. P.E 0.0039UF 63V +/-5%	1	C601	

08-2188MU-MA4	27-PBC472-J0X	CAP. P.E 0.0047UF 63V +/-5%	1	C231	
08-2188MU-MA4	27-PBC563-J0X	CAP. P.E 0.056 UF 63V +/-5%	1	C314	
08-2188MU-MA4	27-PBC682-J0X	CAP. P.E 0.0068UF 63V +/-5%	1	C422	
08-2188MU-MA4	34-A109K0-11X	COIL CHOKE 1 UH +/-10%	1	L102	
08-2188MU-MA4	34-R100J2-OEX	COIL PL - 10 UH +/-5%	1	L208	
08-2188MU-MA4	34-R220J2-OEX	COIL PL - 22 UH +/-5%	1	L001	
08-2188MU-MA4	34-R220J2-OEX	COIL PL - 22 UH +/-5%	1	L002	
08-2188MU-MA4	34-R220J2-OEX	COIL PL - 22 UH +/-5%	1	L403	
08-2188MU-MA4	34-R229J2-OEX	COIL PL - 2.2 UH +/-5%	1	L003	
08-2188MU-MA4	34-R330J2-OEX	COIL PL - 33 UH +/-5%	1	L202	
08-2188MU-MA4	34-R330J2-OEX	COIL PL - 33 UH +/-5%	1	L203	
08-2188MU-MA4	34-R330J2-OEX	COIL PL - 33 UH +/-5%	1	L103A	
08-2188MU-MA4	34-R330J2-OEX	COIL PL - 33 UH +/-5%	1	L210	
08-2188MU-MA4	34-R569J2-OEX	COIL PL - 5.6 UH +/-5%	1	L212	
08-2188MU-MA4	34-R829J2-OEX	COIL PL - 8.2 UH +/-5%	1	L901	
08-2188MU-MA4	40-2111MU-MAK01	P.C.B. MAIN BD	1		
08-2188MU-MA4	41-WJ0025-B00	WIRE BARE JUMPER 2.5mm	1		FOR Q213 (C-E)
08-2188MU-MA4	41-WJ0025-B00	WIRE BARE JUMPER 2.5mm	1		FOR Q609 (B-C)
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1		FOR Q602 (B-E)
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1		FOR Q604 (B-E)
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	C610	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	C614	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	C621	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	C623	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J044	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J045	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J406	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J407	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L201	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L204	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L205	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L206	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	L207	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J408	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J409	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J410	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J413	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J414	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J415	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J416	
08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J411	

08-2188MU-MA4	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J412	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J005	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J009	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J012	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J102	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J112	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J116	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J239	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J243	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J251	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J604	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J623	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J906	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J908	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R002	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R044	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R609	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R617	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J115	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R612	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	R619	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J903	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J108	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J627	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J630	
08-2188MU-MA4	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J901	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J210	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J211	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J301	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J608	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J612	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	R133	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J048	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J113	
08-2188MU-MA4	41-WJ0065-B00	WIRE BARE JUMPER 6. 5MM	1	J214	
08-2188MU-MA4	41-WJ0070-B00	WIRE BARE JUMPER 7MM	1	J101	
08-2188MU-MA4	41-WJ0070-B00	WIRE BARE JUMPER 7MM	1	J109	
08-2188MU-MA4	41-WJ0070-B00	WIRE BARE JUMPER 7MM	1	J233	
08-2188MU-MA4	41-WJ0070-B00	WIRE BARE JUMPER 7MM	1	J917	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7. 5MM	1	D311	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7. 5MM	1	J003	

08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J004	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J007	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J010	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J017	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J018	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J019	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J020	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J201	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J205	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J216	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J226	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J234	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J253	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J304	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J610	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J611	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J907	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	R920	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J013	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J014	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J240	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J417	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J418	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J419	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J607	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J609	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	L411	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J213	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J912	
08-2188MU-MA4	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J913	
08-2188MU-MA4	41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J602	
08-2188MU-MA4	41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J603	
08-2188MU-MA4	41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J245	
08-2188MU-MA4	41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J244	
08-2188MU-MA4	41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J106	
08-2188MU-MA4	41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J232	
08-2188MU-MA4	41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J207	
08-2188MU-MA4	41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J002	
08-2188MU-MA4	41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J204	
08-2188MU-MA4	41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J237	
08-2188MU-MA4	41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	1	J305	

08-2188MU-MA4	41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	J404	
08-2188MU-MA4	41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	J905	
08-2188MU-MA4	41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	J042	
08-2188MU-MA4	41-WJ0095-B00	WIRE BARE JUMPER 9. 5MM	1	J235	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J006	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J008	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J021	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J028	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J029	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J034	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J121	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J122	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J123	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J209	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J231	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J238	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J241	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J605	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J606	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J615	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J624	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J904	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	JT02	
08-2188MU-MA4	41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	L904	
08-2188MU-MA4	41-WJ0110-B00	WIRE BARE JUMPER 11MM	1	J027	
08-2188MU-MA4	41-WJ0115-B00	WIRE BARE JUMPER 11. 5MM	1	J246	
08-2188MU-MA4	41-WJ0115-B00	WIRE BARE JUMPER 11. 5MM	1	J104	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J120	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J203	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J011	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J117	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J208	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J236	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J302	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J401	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J402	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J601	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J616	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J618	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	J619	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12. 5MM	1	R601	

08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	R310	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J617	
08-2188MU-MA4	41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	J249	
08-2188MU-MA4	41-WJ0130-B00	WIRE BARE JUMPER 13MM	1	J621	
08-2188MU-MA4	41-WJ0130-B00	WIRE BARE JUMPER 13MM	1	J622	
08-2188MU-MA4	41-WJ0135-B00	WIRE BARE JUMPER 13.5MM	1	J229	
08-2188MU-MA4	41-WJ0135-B00	WIRE BARE JUMPER 13.5MM	1	J225	
08-2188MU-MA4	41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J230	
08-2188MU-MA4	41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J228	
08-2188MU-MA4	41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J227	
08-2188MU-MA4	41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J625	
08-2188MU-MA4	41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J626	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J015	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J022	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J023	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J024	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J025	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J026	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J242	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J614	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J247	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J303	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	R410	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J030	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J031	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J032	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J033	
08-2188MU-MA4	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J107	
08-2188MU-MA4	41-WJ0155-B00	WIRE BARE JUMPER 15.5MM	1	J016	
08-2188MU-MA4	41-WJ0165-B00	WIRE BARE JUMPER 16.5MM	1	J217	
08-2188MU-MA4	41-WJ0165-B00	WIRE BARE JUMPER 16.5MM	1	J254	
08-2188MU-MA4	41-WJ0170-B00	WIRE BARE JUMPER 17MM	1	J036	
08-2188MU-MA4	41-WJ0175-B00	WIRE BARE JUMPER 17.5MM	1	J046	
08-2188MU-MA4	41-WJ0180-B00	WIRE BARE JUMPER 18MM	1	J218	
08-2188MU-MA4	41-WJ0180-B00	WIRE BARE JUMPER 18MM	1	J219	
08-2188MU-MA4	41-WJ0180-B00	WIRE BARE JUMPER 18MM	1	J224	
08-2188MU-MA4	41-WJ0180-B00	WIRE BARE JUMPER 18MM	1	J223	
08-2188MU-MA4	41-WJ0190-B00	WIRE BARE JUMPER 19MM	1	J222	
08-2188MU-MA4	41-WJ0190-B00	WIRE BARE JUMPER 19MM	1	J403	
08-2188MU-MA4	41-WJ0200-B00	WIRE BARE JUMPER 20MM	1	J250	
08-2188MU-MA4	10-79C8V2-DBX	DIODE ZENER 8V2 1/2W 5%	1	D404	

08-2188MU-MA4	10-0FR104-FBX	DIODE FR104	1	D401	
08-2188MU-MA4	10-0FR104-FBX	DIODE FR104	1	D402	
08-2188MU-MA4	10-0FR104-FBX	DIODE FR104	1	D403	
08-2188MU-MA4	10-0FR104-FBX	DIODE FR104	1	D406	
08-2188MU-MA4	25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C041	
08-2188MU-MA4	25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C217	
08-2188MU-MA4	25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C245	
08-2188MU-MA4	25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	C611	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C030	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C225	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C236	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C426	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C101	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C205	
08-2188MU-MA4	25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C901	
08-2188MU-MA4	25-BCB220-M1X	CAP. ELEC 22 UF 16V +/-20%	1	C903	
08-2188MU-MA4	25-BCB220-M1X	CAP. ELEC 22 UF 16V +/-20%	1	C909	
08-2188MU-MA4	25-BCB220-M1X	CAP. ELEC 22 UF 16V +/-20%	1	C246	
08-2188MU-MA4	25-BCB220-M1X	CAP. ELEC 22 UF 16V +/-20%	1	C906	
08-2188MU-MA4	25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C102	
08-2188MU-MA4	25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C224	
08-2188MU-MA4	25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C607	
08-2188MU-MA4	25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C608	
08-2188MU-MA4	25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C609	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C015	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C028	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C202	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C241	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C273	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C418	
08-2188MU-MA4	25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C423	
08-2188MU-MA4	25-BEB101-M1X	CAP. ELEC 100 UF 35V +/-20%	1	C308	
08-2188MU-MA4	25-BEB101-M1X	CAP. ELEC 100 UF 35V +/-20%	1	C320	
08-2188MU-MA4	25-BEB470-M1X	CAP. ELEC 47 UF 35V +/-20%	1	C613	
08-2188MU-MA4	25-BFB100-M1X	CAP. ELEC 10 UF 50V +/-20%	1	C219	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C211	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C234	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C602	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C624	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C619	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C615	

08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C904	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C905	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C907	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C908	
08-2188MU-MA4	25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C622	
08-2188MU-MA4	25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C612	
08-2188MU-MA4	25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	1	C003	
08-2188MU-MA4	25-BFB478-M1X	CAP. ELEC 0.47 UF 50V +/-20%	1	C213	
08-2188MU-MA4	25-BFB478-M1X	CAP. ELEC 0.47 UF 50V +/-20%	1	C230	
08-2188MU-MA4	25-BFB479-M1X	CAP. ELEC 4.7 UF 50V +/-20%	1	C104	
08-2188MU-MA4	11-A124ES-OBX	TRANSISTOR PDTA124ES (PNP)	1	Q304	
08-2188MU-MA4	11-C144ES-OBX	TRANSISTOR PDTC144ES (NPN)	1	Q606	
08-2188MU-MA4	11-C144ES-OBX	TRANSISTOR PDTC144ES (NPN)	1	Q607	
08-2188MU-MA4	11-C144ES-OBX	TRANSISTOR PDTC144ES (NPN)	1	Q301	
08-2188MU-MA4	11-C144ES-OBX	TRANSISTOR PDTC144ES (NPN)	1	Q002	
08-2188MU-MA4	11-C144ES-OBX	TRANSISTOR PDTC144ES (NPN)	1	Q211	
03-2188MU-MR34	08-2188MU-MA5	ASS'Y - MAIN BD (HI)	1		
08-2188MU-MA5	07-389VI5-NX4	TUNER UV1355-BK2 (BG/HB/IEC/5V	1	TU101	
08-2188MU-MA5	10-0BY228-F0X	DIODE BY228	1	D405	
08-2188MU-MA5	10-CW574C-DJX	DIODE CW574CD	1	D001	
08-2188MU-MA5	11-DD1555-OAX	TRANSISTOR 3DD1555	1	Q402	
08-2188MU-MA5	11-IRR001-1X0	IR RECEIVER MODULE HS0038A2	1	IR001	
08-2188MU-MA5	13-000040-53P	IC 4053 (ANALOG SW)	1	IC901	
08-2188MU-MA5	13-000040-66P	IC 4066 (ANALOG SW.)	1	IC603	
08-2188MU-MA5	13-000L78-05S	IC L7805 CV 5V 1A (REGUALTOR)	1	IC402	
08-2188MU-MA5	13-00LA79-75S	IC LA7975 SIF CONVERTER	1	IC202	
08-2188MU-MA5	13-00M24C-04P	IC M24C04 EEPROM 4K	1	IC002	
08-2188MU-MA5	13-00MC78-09S	IC MC7809C LINEAR +9V 1A	1	IC401	
08-2188MU-MA5	13-0TA840-3KS	IC TA8403K (VERT. OUTPUT)	1	IC301	
08-2188MU-MA5	13-0TDA74-96S	IC TDA7496 (AUDIO)	1	IC601	
08-2188MU-MA5	13-A02V01-TOP	CPU TCL-A02V01-T0	1	IC001	
08-2188MU-MA5	13-TB1238-ANP	IC TB1238AN (P/SIF/VCD) CH/JP	1	IC201	
08-2188MU-MA5	14-LED05R-XX1	LED RED FB205	1	D051	
08-2188MU-MA5	18-DF0229-JHX	RES. M.F. 2.2 OHM 1W +/-5%	1	R603	
08-2188MU-MA5	18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R403	
08-2188MU-MA5	18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R405	
08-2188MU-MA5	18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R406	
08-2188MU-MA5	18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5% (LS)	1	R409	
08-2188MU-MA5	18-EF0229-JGX	RES. FUS. 2.2 OHM 1W +/-5%	1	R407	
08-2188MU-MA5	18-FF0103-JGX	RES. M.O. 10K OHM 1W +/-5%	1	R413	
08-2188MU-MA5	18-FF0122-JGX	RES. M.O. 1.2K OHM 1W +/-5%	1	R441	

08-2188MU-MA5	18-FF0153-JGX	RES. M.O. 15K OHM 1W +/-5%	1	R404	
08-2188MU-MA5	18-FF0159-JGX	RES. M.O. 1.5 OHM 1W +/-5%	1	R305	
08-2188MU-MA5	18-FF0331-JGX	RES. M.O. 330 OHM 1W +/-5%	1	R336	
08-2188MU-MA5	18-FF0472-JGX	RES. M.O. 4.7K OHM 1W +/-5%	1	R408	
08-2188MU-MA5	18-FF0479-JGX	RES. M.O. 4.7 OHM 1W +/-5%	1	R410A	
08-2188MU-MA5	18-GJ0332-JTX	RES. CEMENT 3.3K OHM 5W +/-5%	1	R402	
08-2188MU-MA5	25-BJA470-M1X	CAP. ELEC 47 UF 160V +/-20%	1	C411	
08-2188MU-MA5	25-BLA100-M1X	CAP. ELEC 10 UF 250V +/-20%	1	C408	
08-2188MU-MA5	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1		SOLDER ON R903
08-2188MU-MA5	27-AGR434-J0X	CAP M.PP 0.43 UF 250V +/-5%	1	C421	
08-2188MU-MA5	27-ALR472-J0X	CAP. M.PP 4700 PF 1.6KV +/-5%	1	C406	
08-2188MU-MA5	27-ALR722-J0X	CAP. M.PP 7200 PF 1.6KV +/-5%	1	C409	
08-2188MU-MA5	27-RCK333-J0X	CAP. PP 0.033UF 100V +/-5%	1	C405	
08-2188MU-MA5	27-RHQ153-J0X	CAP. PP 0.015 UF 400V +/-5%	1	C429	
08-2188MU-MA5	34-A608K6-1BX	COIL CHOKE 0.6 UH +/-10%	1	L402	
08-2188MU-MA5	36-LIN450-XX1	COIL LINEARITY 45 UH	1	L412	
08-2188MU-MA5	36-WID601-XX1	COIL CHOKE 600 UH	1	L413	
08-2188MU-MA5	37-BSC250-2110X	FLYBACK BSC25-0211	1	T402	
08-2188MU-MA5	38-236560-00X	COIL I.F.T. 236560 FOR VCO	1	T201	
08-2188MU-MA5	41-BF0040-3BB	WIRE UL 1007 #24 40MM ORG.	1		FOR J902/P20(P903) TO R914/V1 IN
08-2188MU-MA5	41-BF0200-3BB	WIRE UL 1007 #24 200MM ORG.	1		FOR (S) - (S)
08-2188MU-MA5	45-COS503-KY0	CER. RESONATOR ZTB503F2	1	X205	
08-2188MU-MA5	45-FIL6M0-0Y1	CER. FILTER 6.0MHZ	1	X206	
08-2188MU-MA5	45-OSC4M4-3Y0	CRYSTAL 4.43MHZ (CL=16PF)	1	X202	
08-2188MU-MA5	45-OSC8M0-0Y0	CRYSTAL 8.0MHZ	1	X001	
08-2188MU-MA5	45-SAW296-6M00G	SAW FILTER K2966M	1	Z101	
08-2188MU-MA5	45-TRA5M5-0Y0	CER TRAP TPS 5.5MHZ	1	X204	
08-2188MU-MA5	45-TRA6M5-0Y0	CER TRAP TPS 6.5MHZ	1	X203	
08-2188MU-MA5	46-12866W-02X	PIN BASE *2 S11-02Y	1	P601 F	FOR F.CAB (SPK)
08-2188MU-MA5	46-20598W-04X	PIN BASE *4 TJC1-4A	1	P401 F	FOR DY CONNECTOR
08-2188MU-MA5	46-27404W-08X	PIN BASE *8 TJC8-8Y	1	S202 F	FOR SECAM BD P202
08-2188MU-MA5	46-33079W-02X	PIN BASE *2 TJC3-2A	1	P602 F	FOR F.CAB (SPK)
08-2188MU-MA5	46-33079W-02X	PIN BASE *2 TJC3-2A	1	P001 F	FOR AGING TEST
08-2188MU-MA5	46-33079W-04X	PIN BASE *4 TJC3-4A	1	P402 F	FOR CRT BD P502
08-2188MU-MA5	46-33079W-05X	PIN BASE *5 TJC3-5A	1	P201 F	FOR CRT BD P503
08-2188MU-MA5	46-33079W-06X	PIN BASE *6 TJC3-6A	1	P904 F	FOR SIDE AV BD P1102
08-2188MU-MA5	46-33079W-06X	PIN BASE *6 TJC3-6A	1	P101 F	FOR W.BAL. ADJUST
08-2188MU-MA5	46-33079W-06X	PIN BASE *6 TJC3-6A	1	S1001	FOR DPC BD P1001
08-2188MU-MA5	47-SCA001-XX0	SCART SOCKET 21 PINS SS101-P	1	P903	
08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S001	
08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S002	

08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S003	
08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S004	
08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S005	
08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S006	
08-2188MU-MA5	48-TAC002-XX0	TACT SWITCH	1	S007	
08-2188MU-MA5	54-268340-000	SPONGE CUSHION 15 X 45 X 3MM	1		STICK ON H. SINK(IC601) & SECAM BD
08-2188MU-MA5	62-10654X-00F	UNI - TIE (2.5mmX95mm)	8		
08-2188MU-MA5	62-227680-0UA	HOLDER CABLE FOR FBT (2)	1		
08-2188MU-MA5	62-291630-0HH	MTG SPACER FBT&H. SINK	1		
08-2188MU-MA5	62-310430-0HA	LED HOLDER (COMMON)	1		
08-2188MU-MA5	63-B40150-AB2	S/T SCREW B 4 X 15 AB	1		MTG FBT & H. SINK
08-2188MU-MA5	64-B30080-104	M/C SCREW B 3 X 8	1		FOR IC601
08-2188MU-MA5	64-P30060-104	M/C SCREW 3 X 6 (ZINC)	2		FOR IC401 & IC402
08-2188MU-MA5	64-P30100-104	M/C SCREW P 3 X 10	2		FOR IC301 & Q402
08-2188MU-MA5	65-Z30050-23M	NUT M 3	2		FOR IC301 & Q402
08-2188MU-MA5	66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2		FOR L412
08-2188MU-MA5	66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	4		FOR T402
08-2188MU-MA5	66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2		FOR L411
08-2188MU-MA5	67-H24249-2M2	HEAT SINK	1		FOR IC401
08-2188MU-MA5	67-H10918-4M2	HEAT SINK	1		FOR IC402
08-2188MU-MA5	67-H30752-1A0	HEAT SINK	1		FOR Q402
08-2188MU-MA5	67-H34423-8A0	HEAT SINK A=60mm	1		FOR IC601
08-2188MU-MA5	67-H34615-0A0	HEAT SINK	1		FOR IC301
08-2188MU-MA5	27-AQ563-J0X	CAP. M. PP 0.056 UF 250V +/-5%	1	C410	
08-2188MU-MA5	11-2SD882-0AX	TRANSISTOR 2SD882-P (NPN)	1	Q608	
08-2188MU-MA5	36-HDR001-AX1	TRANSFOR HOR. DRIVE (磁芯)	1	T401	
08-2188MU-MA5	25-BCA102-M1X	CAP. ELEC 1000 UF 16V +/-20%	1	C416	
08-2188MU-MA5	25-BCA102-M1X	CAP. ELEC 1000 UF 16V +/-20%	1	C635	
08-2188MU-MA5	25-BDA102-M1X	CAP. ELEC 1000 UF 25V +/-20%	1	C606	
08-2188MU-MA5	25-BDA102-M1X	CAP. ELEC 1000 UF 25V +/-20%	1	C306	
08-2188MU-MA5	25-BDB101-M1X	CAP. ELEC 100 UF 25V +/-20%	1	C604	
08-2188MU-MA5	25-BEA471-M1X	CAP. ELEC 470 UF 35V +/-20%	1	C413	
03-2188MU-MR34	08-2188MU-PA7	ASS'Y - PACKING	1		
08-2188MU-PA7	72-2188MU-X34	OPERATION MANUAL	1		
08-2188MU-PA7	74-022032-6WE	POLYBAG (22cmX32cmX0.06mm)	1		
08-2188MU-PA7	74-120120-80HAA	POLYBAG W/SUFFOCATION WARNING	1		
08-2188MU-PA7	75-2180LL-CC0	POLYFOAM "LL"	1		
08-2188MU-PA7	75-2180LR-CC0	POLYFOAM "LR"	1		
08-2188MU-PA7	75-2180UL-CC0	POLYFOAM "UL"	1		
08-2188MU-PA7	75-2180UR-CC0	POLYFOAM "UR"	1		
08-2188MU-PA7	75-326000-C00	POLYFOAM PAD	1		

08-2188MU-PA7	76-02180G-OAT	CARTON BOX	1		
03-2188MU-MR34	08-A2188U-FCY	ASS'Y - FRONT CABINET	1		
08-A2188U-FCY	02-GND021-XX0	ASS'Y - CRT GND WIRE&HOUSE	1		FOR CRT GROUNDING
08-A2188U-FCY	42-61308E-XX0	SPEAKER (58MMX128MM) 8 OHM 6W	1	W601	
08-A2188U-FCY	42-61308E-XX0	SPEAKER (58MMX128MM) 8 OHM 6W	1	W602	
08-A2188U-FCY	44-21RFLN-LG2A	CRT A51QDJ279X12	1	CRT01	
08-A2188U-FCY	46-14026H-02X	HS 2P 2468#22 570mm S11-2Y/7mm	1	P601H	FOR M. BD P601
08-A2188U-FCY	46-27688H-04X	HS 4P A/B 400/13 RBGW TJC1/4Y	1	P401H	FOR D. Y COIL
08-A2188U-FCY	46-35196H-02X	HS 2P22 570/7 TJC3-2Y	1	P602H	FOR M. BD P602
08-A2188U-FCY	54-113970-0U0	PVC TUBE #5 L=ROLL	0.32		FOR L & R SPEAKING WIRE
08-A2188U-FCY	54-271620-000	SPACER CRT MOUNTING T=1mm	4		MTG CRT & MIDDLE CAB.
08-A2188U-FCY	54-347230-000	SPONGE (3MMX3MMX280MM)	2		STICK ON SPK
08-A2188U-FCY	55-2180MC-1CN	MIDDLE CABINET	1		
08-A2188U-FCY	55-2188FC-OCN	FRONT CABINET	1		
08-A2188U-FCY	56-2180FB-OHA	PHSH BUTTON	1		
08-A2188U-FCY	56-2180LS-OHC	LENS - SENSOR & LED	1		
08-A2188U-FCY	56-2180PK-OHA	POWER KNOB	1		
08-A2188U-FCY	56-2188SL-OHN		1		
08-A2188U-FCY	56-2188SR-OHN		1		
08-A2188U-FCY	58-344810-3UI	INLAY SIDE AV	1		
08-A2188U-FCY	59-130460-00X	RUBBER PAD (25mmX7mm)	2		STICK ON F. CAB (FOOTING)
08-A2188U-FCY	59-312160-000	SPONGE CUSHION	8		MTG SPEAKER
08-A2188U-FCY	62-10654X-00F	UNI - TIE (2.5mmX95mm)	4		
08-A2188U-FCY	62-216340-0UA	HOLDER POWER CORD	1		
08-A2188U-FCY	62-262660-0HA	POWER SW. ADAPTER	1		
08-A2188U-FCY	63-B30080-BT4	S/T SCREW B 3 X 8 BT	2		MTG SIDE AV BOARD
08-A2188U-FCY	63-B30100-BT4	S/T SCREW B 3 X 10 BT	17		MTG. SPRING M. CAB & F. CAB
08-A2188U-FCY	63-B40150-AB4	S/T SCREW B 4 X 15 AB	20		MTG CRT & MIDDLE CAB.
08-A2188U-FCY	63-W30100-AB4	S/T SCREW W 3 X 10 AB	3		MTG PUSH BUTTON & MIDDLE CAB.
08-A2188U-FCY	63-W30100-AB4	S/T SCREW W 3 X 10 AB	1		MTG LENS & MIDDLE CAB.
08-A2188U-FCY	63-W30175-HS4	S/T SCREW W 3 X 17.5 BT	8		MTG SPK & MIDDLE CAB
08-A2188U-FCY	65-A60180-20E	EXT. TOOTH WASHTER 6 X 18 X 2	4		FOR CRT
08-A2188U-FCY	65-Z60100-50E	NUT M 6	4		FOR CRT
08-A2188U-FCY	67-126680-0E0	SPRING CRT 6MMX40MMX0.5MM	1		
08-A2188U-FCY	67-242830-0E0	SPRING POWER KNOB	1		
08-A2188U-FCY	67-325570-0E0	CRT METAL MTG	4		
08-A2188U-FCY	36-DEG210-BX3	DEGAUSSING COIL 2500mm	1		
03-2188MU-MR34	08-A2188U-RC1	ASS'Y - REAR CABINET	1		
08-A2188U-RC1	54-114000-00X	FELT TAPE (150mmX19mmX0.3mm)	7		STICK ON REAR CAB.
08-A2188U-RC1	55-2180RC-OCN	REAR CABINET (III)	1		
08-A2188U-RC1	58-2180RI-8UI	INLAY REAR AV	1		

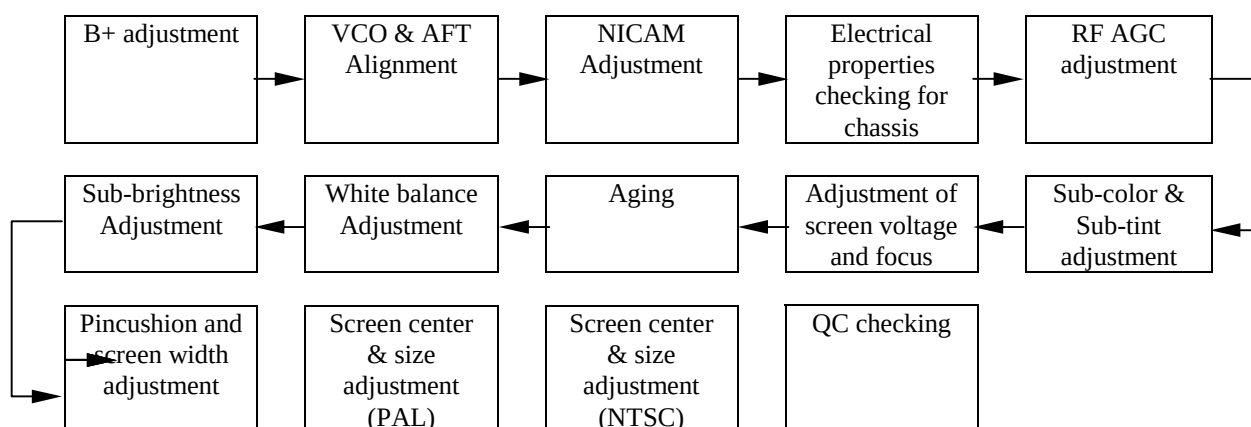
08-A2188U-RC1	58-2188MP-OUI	PLATE MODEL NO.	1		
08-A2188U-RC1	59-130460-00X	RUBBER PAD (25mmX7mm)	2		
08-A2188U-RC1	62-301490-0UN	SUPPORTER (FOR FBT)	1		
08-A2188U-RC1	63-B40200-AB2	S/T SCREW B 4 X 20 AB	4		MTG MIDDLE CAB & REAR CAB
08-A2188U-RC1	63-W30100-AB4	S/T SCREW W 3 X 10 AB	2		MTG FBT SUPPORTER & REAR CAB.
03-2188MU-MR34	08-HS46F0-M17B	ASS'Y - REMOTE HANDSET "TXT"	1		
08-HS46F0-M17B	11-OBC337-OBX	TRANSISTOR (NPN) BC337-40	1	Q1501	
08-HS46F0-M17B	13-C73C03-02B	IC SC73C0302	1	IC1501	
08-HS46F0-M17B	14-IRE05B-XX0	IR EMITTING DIODE BT-7085N-30	1	D1501	
08-HS46F0-M17B	18-CB0229-JNX	RES. C.F. 2.2 OHM 1/6W +/-5%	1	R1501	
08-HS46F0-M17B	18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R1502	
08-HS46F0-M17B	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C1503	
08-HS46F0-M17B	26-EBP101-JCX	CAP. CER 100PF 50V +/-5% CH	1	C1504	
08-HS46F0-M17B	40-21GRMF-RMA	P.C.B. REMOTE HANDSET BD	1	X1501	
08-HS46F0-M17B	45-COS455-KY0	CERAMIC RESONATOR 455KHZ	1	X1501	
08-HS46F0-M17B	49-HS46F0-00X	RUBBER PAD KEYS	1		
08-HS46F0-M17B	55-HS46FB-OHA	CASE LOWER - REMOTE HANDSET	1		
08-HS46F0-M17B	55-HS46FD-OHA	DOOR BATT. - REMOTE HANDSET	1		
08-HS46F0-M17B	55-HS46FT-OHA	CASE UPPER - REMOTE HANDSET	1		
08-HS46F0-M17B	58-HS46F0-1UI	INLAY IR TRANSMITTER BD	1		
08-HS46F0-M17B	63-B26060-BT2	S/T SCREW B 2.6 X 6 BT	1		
08-HS46F0-M17B	67-26968X-OE2	BATT. TERMINAL (+/-)	1		
08-HS46F0-M17B	67-310280-OE2	SPRING - BATTERY (-)	1		
08-HS46F0-M17B	67-310290-OE2	SPRING - BATTERY (+)	1		
08-HS46F0-M17B	74-009022-60C	POLYBAG HANDSET (9CMX22CM)	1	J1501	
08-HS46F0-M17B	41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	1	J1501	
08-HS46F0-M17B	25-HBB470-M1X	CAP. ELEC 47UF 10V +/-20%	1	C1502	
03-2188MU-MR34	08-02180U-PWY		1		
08-02180U-PWY	18-KE0475-JNX	RES. H. VOLT. CC 4.7M OHM 1/2W	1	R835A	
08-02180U-PWY	10-00RU3C-FOX	DIODE RU3C (FAST RECTIFIER)	1	D824	
08-02180U-PWY	10-ORL255-EBX	DIDEO RL255 (RECTIFIER)	1	D801	
08-02180U-PWY	10-ORL255-EBX	DIDEO RL255 (RECTIFIER)	1	D802	
08-02180U-PWY	10-ORL255-EBX	DIDEO RL255 (RECTIFIER)	1	D803	
08-02180U-PWY	10-ORL255-EBX	DIDEO RL255 (RECTIFIER)	1	D804	
08-02180U-PWY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D805	
08-02180U-PWY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D807	
08-02180U-PWY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D832	
08-02180U-PWY	10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	R823	
08-02180U-PWY	10-79C8V2-DBX	DIODE ZENER 8V2 1/2W 5%	1	D833	
08-02180U-PWY	11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q806	
08-02180U-PWY	13-TDA168-46P	IC TDA16846 (SMPS)	1	IC801	

08-02180U-PWY	18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R829	
08-02180U-PWY	18-CB0182-JNX	RES. C.F. 1.8K OHM 1/6W +/-5%	1	R804	
08-02180U-PWY	18-CB0222-JNX	RES. C.F. 2.2K OHM 1/6W +/-5%	1	R827	
08-02180U-PWY	18-CB0470-JNX	RES. C.F. 47 OHM 1/6W +/-5%	1	R826A	
08-02180U-PWY	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R826	
08-02180U-PWY	18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R828	
08-02180U-PWY	18-CB0563-JNX	RES. C.F. 56K OHM 1/6W +/-5%	1	R812	
08-02180U-PWY	18-CB0563-JNX	RES. C.F. 56K OHM 1/6W +/-5%	1	R806	
08-02180U-PWY	18-CB0752-JNX	RES. C.F. 7.5K OHM 1/6W +/-5%	1	R810	
08-02180U-PWY	18-CB0823-JNX	RES. C.F. 82K OHM 1/6W +/-5%	1	R803	
08-02180U-PWY	18-CD0101-JNX	RES. C.F. 100 OHM 1/4W +/-5%	1	R808	
08-02180U-PWY	18-CD0153-JNX	RES. C.F. 15K OHM 1/4W +/-5%	1	R811	
08-02180U-PWY	18-CD0470-JNX	RES. C.F. 47 OHM 1/4W +/-5%	1	R808A	
08-02180U-PWY	18-CE0102-JNX	RES. C.F. 1k OHM 1/2W +/-5%	1	R808B	
08-02180U-PWY	18-EF0228-JGX	RES. FUS. 0.22 OHM 1W +/-5%	1	R834	
08-02180U-PWY	18-EF0228-JGX	RES. FUS. 0.22 OHM 1W +/-5%	1	R836	
08-02180U-PWY	18-FE0120-JNX	RES. M.O. 12 OHM 1/2W +/-5%	1	R825	
08-02180U-PWY	18-FG0121-JHX	RES. M.O. 120 OHM 2W +/-5%	1	R819A	
08-02180U-PWY	18-KE0475-JNX	RES. H. VOLT. CC 4.7M OHM 1/2W	1	R840	
08-02180U-PWY	18-GJ0339-KUX	RES. CEMENT 3.3 OHM 5W +/-10%	1	R801	
08-02180U-PWY	18-KE0105-JN3	RES. H.VOLT. CC 1M OHM 1/2W +/-5%	1	R802	
08-02180U-PWY	18-KE0105-JN3	RES. H.VOLT. CC 1M OHM 1/2W +/-5%	1	R807	
08-02180U-PWY	18-KE0475-JNX	RES. H. VOLT. CC 4.7M OHM 1/2W	1	R805	
08-02180U-PWY	18-KE0475-JNX	RES. H. VOLT. CC 4.7M OHM 1/2W	1	R835	
08-02180U-PWY	20-TR502H-5CX	TRIMMER B5K HORIZ TYPE	1	VR801	
08-02180U-PWY	22-PTC200-XX0	POSISTOR 20 OHM (25-34)	1	RT801	
08-02180U-PWY	25-343260-M1X	CAR. ELEC	1	C845	
08-02180U-PWY	25-382900-M1X	CAP. ELEC 270UF 400V +/-20% 35X35	1	C806	
08-02180U-PWY	25-BJG221-M1X	CAP. ELEC 220 UF 160V +/-20%	1	C827	
08-02180U-PWY	26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C840	
08-02180U-PWY	26-AIC221-KBX	CAP. CER 220 PF 500V +/-10% B	1	C843	
08-02180U-PWY	26-AIM103-KBX	CAP. CER 0.01UF 500V +/-10% B	1	C826	
08-02180U-PWY	26-AIM103-KBX	CAP. CER 0.01UF 500V +/-10% B	1	C808	
08-02180U-PWY	26-AMK561-KDX	CAP. CER 560 PF 2KV +/-10%	1	C819	
08-02180U-PWY	26-AMK221-JZX	CAP. CER 220pF 2KV +/-5% SL	1	C839	
08-02180U-PWY	26-AMK331-JZX	CAP. CER 330 PF 2KV +/-5% SL	1	C830	
08-02180U-PWY	26-AQK472-ZFX	CAP. CER 4700PF 250VAC+80-20%F	1	C804	
08-02180U-PWY	26-AQK472-ZFX	CAP. CER 4700PF 250VAC+80-20%F	1	C805	
08-02180U-PWY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C848	
08-02180U-PWY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C841	
08-02180U-PWY	26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C844	

08-02180U-PWY	26-EBP220-JZX	CAP. CER 22PF 50V +/-5% SL TU	1	C810	
08-02180U-PWY	26-EBP561-JCX	CAP. CER 560PF 50V +/-5% CH	1	C888	
08-02180U-PWY	27-AQT224-MVH	CAP. M.PP 0.22 UF 250VAC 20%	1	C801	
08-02180U-PWY	27-MBC224-JOX	CAP. M.P.E 0.22UF 63V +/-5%	1	C814	
08-02180U-PWY	27-MHM104-KOX	CAP. METAL P.E. 0.1UF 400V 10%	1	C803	
08-02180U-PWY	18-CB0123-JNX	RES. C.F. 12k OHM 1/6W +/-5%	1	R841	
08-02180U-PWY	27-PBC102-JOX	CAP. P.E 0.001UF 63V +/-5%	1	C815	
08-02180U-PWY	27-PBC103-JOX	CAP. P.E. 0.01UF 63V +/-5%	1	C817	
08-02180U-PWY	27-PBC103-JOX	CAP. P.E. 0.01UF 63V +/-5%	1	C812	
08-02180U-PWY	27-PBC222-JOX	CAP. P.E 0.0022UF 63V +/-5%	1	C811	
08-02180U-PWY	34-R101K2-1BX	COIL CHOKE 100 UH +/-10%	1	L804	
08-02180U-PWY	35-139730-00X	FERR. BEAD BF60	2		FOR L801
08-02180U-PWY	35-139730-00X	FERR. BEAD BF60	2		FOR D831 (L810 & L811)
08-02180U-PWY	35-139730-00X	FERR. BEAD BF60	2		FOR D830 (L808 & L809)
08-02180U-PWY	35-237250-00X	FERR. BEAD HF70	2		FOR D824 (L806 & L807)
08-02180U-PWY	36-LIF001-XX0	LINE FILTER	1	T803	
08-02180U-PWY	36-LIF010-AX0	LINE FILTER	1	T801	
08-02180U-PWY	36-TRF020-AX1	TRANSFORMER CONV. BCK-4001-34e	1	T802	
08-02180U-PWY	41-AJ0125-BEE	WIRE BARE JUMPER 12.5MM	1	L801	FOR FERR. BEAD BF60 X2
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	C837	
08-02180U-PWY	26-EBP104-ZFX	CAP. CER 0.1UF 50V +80%/-20%	1	C850	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J810	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J811	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J812	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J813	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J814	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J815	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J816	
08-02180U-PWY	41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J817	
08-02180U-PWY	41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J801A	
08-02180U-PWY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J802	
08-02180U-PWY	41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J805	
08-02180U-PWY	41-WJ0140-B00	WIRE BARE JUMPER 14MM	1	J806	
08-02180U-PWY	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J801	
08-02180U-PWY	41-WJ0150-B00	WIRE BARE JUMPER 15MM	1	J803	
08-02180U-PWY	46-10962W-02X	PIN BASE *2 TJC2-2A	1	P801	FOR DEGAUSSING COIL
08-02180U-PWY	46-28559W-02X	PIN BASE *2 TJC1-2A	1	P802	FOR POWER CORD
08-02180U-PWY	48-POW001-AX0	SWITCH POWER	1	S801	
08-02180U-PWY	54-343210-000	MICA SHEET (21mmX16mmX0.1mm)	1		FOR Q801
08-02180U-PWY	66-20516X-0B0	FUSE HOLDER	2		FOR F801
08-02180U-PWY	66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2		FOR C827

08-02180U-PWY	66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	4		FOR T802
08-02180U-PWY	67-339070-1E7	SPRING CLIP	1		MTG Q801
08-02180U-PWY	67-H28649-3A0	HEAT SINK	1		FOR Q801
08-02180U-PWY	90-209770-SR1	SILICONE GREASE G-746	0.0003		FOR Q801
08-02180U-PWY	26-APK102-ME4	CAP. CER 1000PF 400VAC+/-20% E	1	C835	
08-02180U-PWY	26-APK102-ME4	CAP. CER 1000PF 400VAC+/-20% E	1	C824	
08-02180U-PWY	10-0FR104-FBX	DIODE FR104	1	D831	
08-02180U-PWY	10-0FR104-FBX	DIODE FR104	1	D830	
08-02180U-PWY	10-0FR104-FBX	DIODE FR104	1	D806	
08-02180U-PWY	51-DC0243-0CH01	POWER CORD VDE PLUG W/HOUSING	1		
08-02180U-PWY	25-BDA471-M1X	CAP. ELEC 470 UF 25V +/-20%	1	C842	
08-02180U-PWY	25-BDB470-M1X	CAP. ELEC 47 UF 25V +/-20%	1	C816	
08-02180U-PWY	50-02000D-1GS	FUSE 2.0AT 250VAC	1	F801	
08-02180U-PWY	11-SK2996-0AX	TRANSISTOR 2SK2996 (MOS)	1	Q801	
08-02180U-PWY	11-2SD882-0AX	TRANSISTOR 2SD882-P (NPN)	1	Q805	

Flowchart chart of alignment procedure for M17 chassis:



ALIGNMENT PROCEDURE FOR M17 CHASSIS:

D-mode:

Enter D-Mode by pressing D-Mode ON/OFF key, and then you can enter the D-mode.

S-mode:

Enter S-Mode by pressing VOLUME DOWN key on the unit until the volume decrease to minimum level, then press the DISPLAY key on the remote handset (don't release the volume key) and you can enter S- mode.

After enter D-mode or S-mode, you can adjust the setting according to the following procedure,

Press "1" to enter the white balance alignment menu,

Item	Description
RCUT	Red cutoff
BCUT	Blue cutoff
GCUT	Green cutoff
BDRV	Blue drive
GDRV	Green drive

Press "2" to enter picture geometry alignment menu for PAL system,

Item	Description
VPOS50	PAL V. Position
HIGH50	PAL V. Size
VLIN50	PAL V. Linearity
VSC50	PAL V-S correction
OSDV50	PAL V. position of OSD
HPOS50	PAL H. Position

Press "3" to enter picture geometry alignment menu for NTSC system,

Item	Description
VPOS60	NTSC V. Position
HIGH60	NTSC vertical size
VLIN60	NTSC V. Linearity
VSC60	NTSC V-S correction
OSDV60	NTSC V. position of OSD
HPOS60	NTSC H. Position

Press “4” to enter sharpness setting menu,

Item	Description	Default data
SHPTV3	50% sharpness in 3.58 system (TV)	20
SHPAV3	50% sharpness in 3.58 system (AV)	1A
SHPTV4	50% sharpness in 4.43 system (TV)	1D
SHPAV4	50% sharpness in 4.43 system (AV)	1A
SHPX	Maximum sharpness	3F
SHPN	Minimum sharpness	10

Press “5” to enter sound alignment menu,

Item	Description	Default data
NIML	NICAM sound output level	07
VOL1	Output level of left channel (FM)	07
VOL2	Output level of right channel (FM)	07
DRIFT	Sync. Pulse error allowance	03
HCOUNT	Sync. pulse counting	06

Press “6” to enter AGC and volume setting,

Item	Description	Default data
RFAGC	AGC setting	22
HAFC	HAFC setting.	00
S-R-Y	Sub color for system	09
S-B-Y	Sub color for system	06
VOL01	Volume output level at 1%	00
VOL25	Volume output level at 25%	18
VOL50	Volume output level at 50%	31

Press “7” to enter system setting,

Item	Description	Default data
VCDM0	System setting	68
VCDM1	System setting	00
VCDM2	System setting	40
MOD0	System setting	00
MOD1	System setting	32
MOD2	System setting	F0
OPTION	System setting	04

Press “8” to enter picture alignment menu 1,

Item	Description	Default data
SCNT	Sub contrast for luminance signal	0A
CNTX	Maximum contrast	3F
CNTN	Minimum contrast	08
BRTX	Maximum brightness	38
BRTN	Minimum brightness	18
COLX	Maximum color	7F
COLN	Minimum color	00

Press “9” to enter picture alignment menu 2,

Item	Description	Default data
CNTC	50% contrast	26
BRTC	50% brightness	38
COLC	50% color	40
TNTC	50% tint	40
COLP	Color level for PAL	00
COLS	Color level for SECAM	40
BRTS	Sub brightness for SECAM	00

Press “0” to enter OSD setting menu,

Item	Description	Default data
OSD	Horizontal position of OSD	0E
TXCX	OSD intensity when maximum contrast	30
RGCN	OSD intensity when minimum contrast	0D
TNTX	Maximum tint level	7F
TNTN	Minimum tint level	7F

I) Adjustment of B+ voltage

1. Apply 110-240VAC($\pm 5V$) to mains power input, and Philips standard testing pattern to RF input.
2. Adjust VR801 in STANDARD mode until voltage at TP2 (B+) is $112V \pm 0.5V$.

II) Adjustment of VCO and AFT

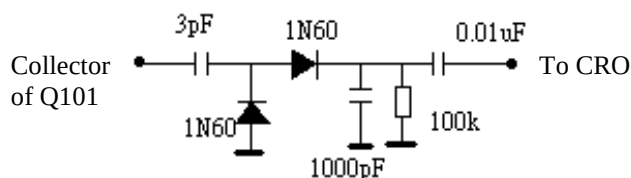
1. Apply a 38.9MHz signal to the IF input.
2. Monitor the DC voltage at pin 48 of IC201.
3. Adjust T201 until the voltage at pin 48 of IC201 becomes $4.62 \pm 0.2V$ (the picture must stable).
4. Enter D-mode and press the AFT (update/BBE) button. It will start Auto AFT Adjustment and the screen will show “PIFAFT OK” if the process is finished.

III) NICAM Adjustment (for NICAM model only)

1. Apply a 38.9MHz color bar with NICAM signal to the IF input.
2. Monitor the DC voltage at pin 15 of IC1101.
3. Adjust T1101 until the voltage at pin 15 of IC1101 becomes $2.5 \pm 0.1V$.
4. Then check the waveform at pin 4 and 6 of P1103 and it must show correct audio signal.

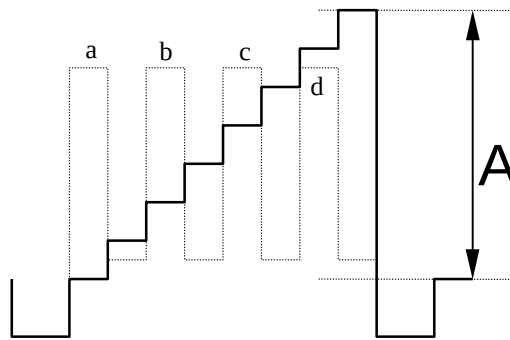
IV) The alignment of RFAGC

1. Connect the detector shown below to collector of Q101.
2. Receive a grey scale signal with $70dB\mu V$ amplitude.
3. Adjust RFAGC item until the output of the detector becomes $0.8V_{pp}$



V) Adjustment of Sub-contrast, Sub-tint and Sub-colour for NSTC and PAL signal.

1. Enter D-mode, and connect the probe of Oscilloscope to the conjunction between R217 and P201 (B-out).
2. Apply the Grey-scale/Colour-bar (NTSC signal) to the AV input, in STANDARD status.
3. Select CNTC to adjust the sub-contrast, until that the amplitude "A" is $2.5V_{p-p}$ as shown below.
4. Select COLC to adjust the sub-colour by tuning the amplitude of "a" and "d" to the same.
5. Select TNTC to adjust the sub-tint by tuning the amplitude of "b" and "c" to the same.
6. Apply the Grey-scale/Colour-bar (PAL signal) to the AV input, in STANDARD status.
7. Select COLP to adjust the sub-colour by tuning the amplitude of "a", "b", "c" and "d" to the same.



VI) Adjustment of Focus, Screen Voltage and Sub-brightness

1. Receive a crosshatch pattern.
2. Adjust the "FOCUS" VR on the flyback the make the picture clear.
3. Enter D-mode and press "1--" key and the screen will become a horizontal line. Then adjust the "SCREEN" VR on the flyback transformer to set the intensity of the line to a minimum visible level (the line can just be seen).
4. Press "1--" key again and the TV will become full raster.
5. Select BRTC to adjust the sub-brightness, until that the 2nd dark bar of 8 level grey scales just can be seen.

VII) Adjustment of White balance

1. Receive a black and white pattern at STANDARD status.
2. Use a color analyzer to measure the black side of the screen. By changing the value of BCUT and GCUT, set the reading of the color analyzer to $x=284, y=299$.
3. Then measure the white side of the screen. By changing the value of BDRV and GDRV, set the reading of the color analyzer to $x=284, y=299$.
4. Repeat step 2&3 until you can get the correct reading for both black and white sides.

VIII) Adjustment of Pincushion and Picture Width (for pure flat model only)

1. Receive a crosshatch pattern.
2. Adjust VR302 until the vertical line become straight.
3. Adjust VR303 for horizontal size.

IX) Adjustment of Picture Geometry (PAL)

1. Apply the crosshatch pattern (PAL signal) to the RF input, in STANDARD status.
2. Select HPOS50 to adjust the Horizontal center.
3. Select VPOS50 to adjust the Vertical center.
4. Select HIGH50 to adjust the Vertical amplitude.
5. Select VLIN50 to adjust the vertical linearity.
6. Select VSC50 to adjust the vertical S-correction.

X) Adjustment of Picture Geometry (NTSC)

1. Apply the crosshatch pattern (NTSC signal) to the RF input, in STANDARD status.
2. Select HPOS60 to adjust the Horizontal center.
3. Select VPOS60 to adjust the Vertical center.
4. Select HIGH60 to adjust the Vertical amplitude.
5. Select VLIN60 to adjust the vertical linearity.
6. Select VSC60 to adjust the vertical S-correction.

XI) Adjustment of OSD position

1. Enter D-mode and press key “0”, then choose OSD item and adjust the OSD horizontal position.
2. Enter D-mode and press key “2”, then choose the OSDV50 item and adjust the OSD horizontal position.
3. Enter D-mode and press key “3”, then choose the OSDV60 item and adjust the OSD horizontal position.

System setting of M17

VCDM0 (default value: 68)

BIT	Item
0	System switch: 0 : normal identify mode 1 : weak signal identify mode
1	White peak suppress: 0: on 1: off
2,3	ABL gain 00: -0.74v 01: -0.64v 10: -0.37v 11: -0.12v
4,5	ABL start point 00: -0.01v 01: -0.11v 10: -0.3v 11: -0.45v
6	CW-SW: TB1238N, pin 29 Fsc CW output 0 : AUTO, 1 : 4.43M
7	In force system mode, the status of color killer when weak signal 0: on 1: off

VCDM1 (default value: 00)

BIT	Item
0	Blanking: 0: on 1: off
1,2,3,4,5	V-Mute timing: = 200ms + 8ms ×Data
6	Base band filter in NTSC system: 0: on, 1: off
7	VMOD

VCDM2 (default value: 40 for 38MHz IF, 30 for 38.9MHz IF)

BIT	Item
0	AFT-mute: 0: on 1: off
1	SECAM-ADJ: 0: SECAM correction off 1: SECAM correction on
2	TB1238N_VMOD
3	PIF VCO ADJ 0: follow bit 0 1: manual adjust
6,5,4	IF frequency: 111: 33.9MHz 110: 33.95MHz 101: 34.47MHz 100: 38MHz 011: 38.9MHz 010: 39.5MHz 001: 45.75MHz 000: 58.75MHz
7	No use

MODE0

BIT	Item
0	0: normal AV 1: SCART
1	0: English 1: English + Chinese
2	Low Noise Amp. at tuner: 0: off 1: on
3	No use
4, 5, 6, 7	Muting time when power on: 8ms ×16 ×data (max. 1920ms)

MODE1

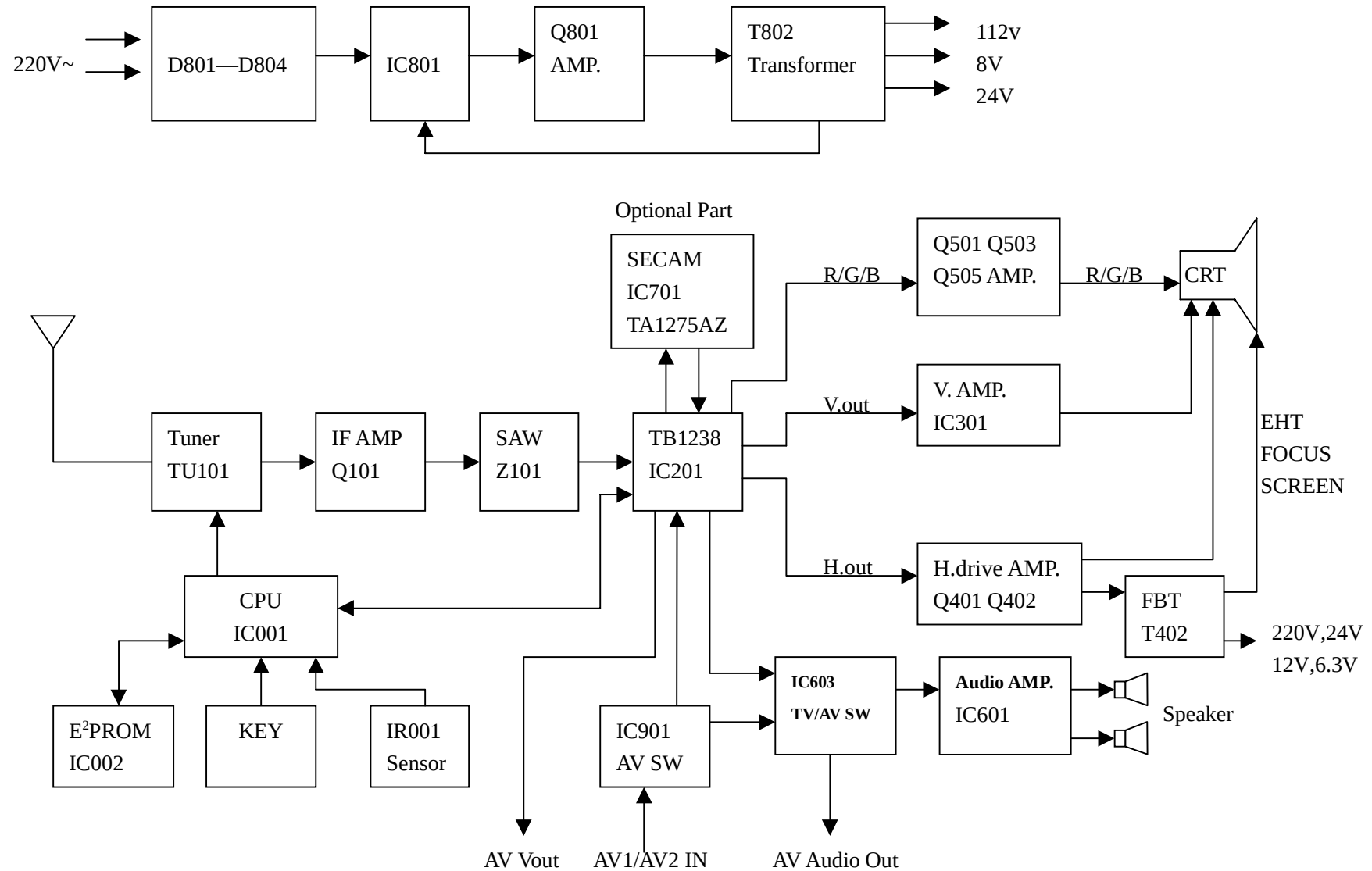
BIT	Item
0	Logo: 0: disable 1: TCL Logo
1	No. of channel: 0: 49 1: 99
2	No use
3	Menu background 0: disable 1: black background
4	No. of AV 0: 1 1: 2
5	SECAM 0: off 1: on
6	D-mode 0: enable 1: disable
7	No use

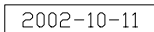
MODE2

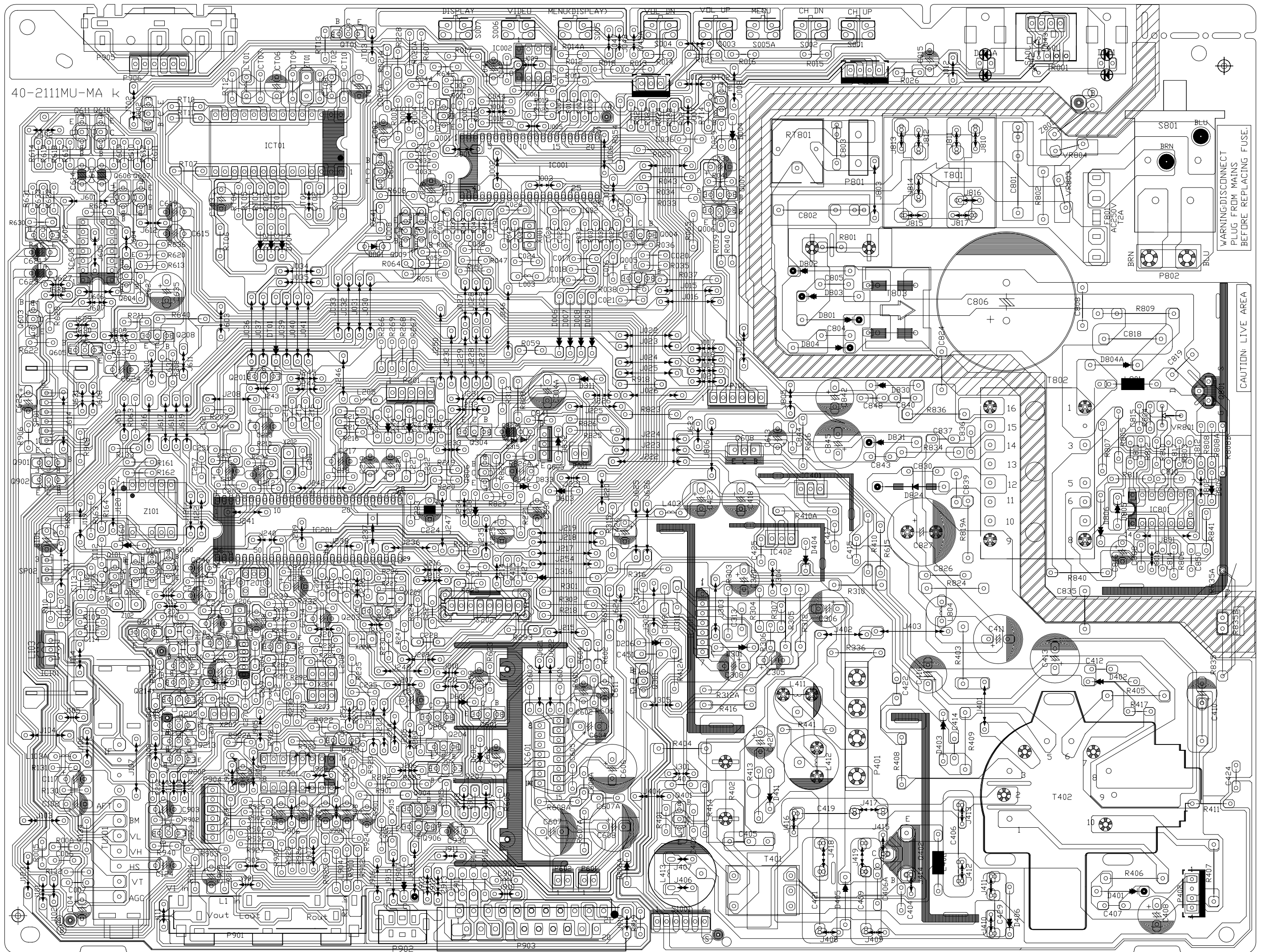
BIT	Item
0	Teletext 0: off 1: on
1	NICAM & IGR 0: off 1: on
2	No use
3	No use
4	BG : 0 : off 1 : on
5	I : 0 : off 1 : on
6	DK : 0 : off 1 : on
7	M : 0 : off 1 : on

OPTION (default value: 04)

BIT	Item
0	When blue background off (mute pin of CPU): 0: audio mute on 1: audio mute off
1	When blue background off (external mute pin of CPU): 0: audio mute on 1: audio mute off
2	When change channel: 0: picture mute off 1: picture mute on
3	Audio demodulation gain setting: 0: 50KHz 1: 25KHz
4	When no signal: 0: search channel by changing VT 1: use memorized VT
5	Power on mode: 0: previous 1: force standby
6	No use
7	No use







EC - 2188
EXPLODED VIEW

