

Illust is KRF-5090.

* Refer to parts list on page 55.


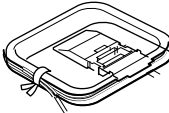


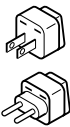
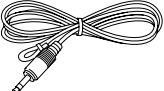





CONTENTS / ACCESSORIES


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Accessories

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Remote control unit (A70-1453-05): RC-R0913...KP1K1P2 (A70-1454-05): RC-R0914...M1X1Y1V (A70-1455-05): RC-0915.....E1E2</p> | <p>Batteries</p>  | <p>AM Loop Antenna (T90-0852-05)</p>  | <p>FM Antenna (T90-0855-05)</p>  |
|  Battery cover(A09-1166-08) | | | |
| <p>AC plug adaptor *..... (1)</p>  <p>Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)</p> | <p>Antenna ass'y (T90-0850-15) U.S.A. only</p>  | | |
| <p>* Refer to parts list.</p> | | | |

| | |
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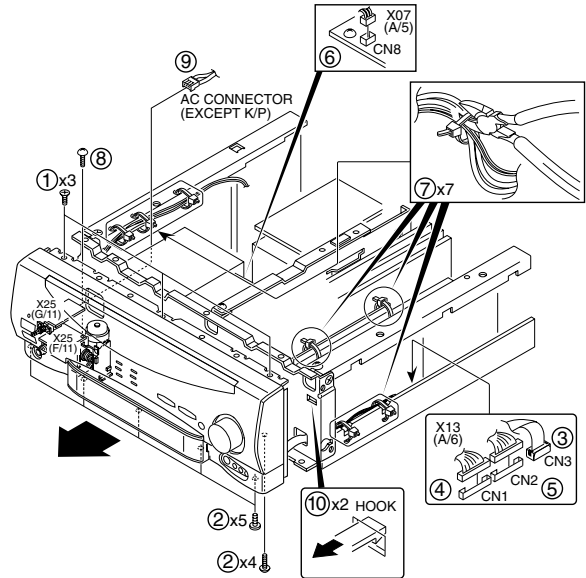
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DISASSEMBLY FOR REPAIR

How to Remove the Front Panel

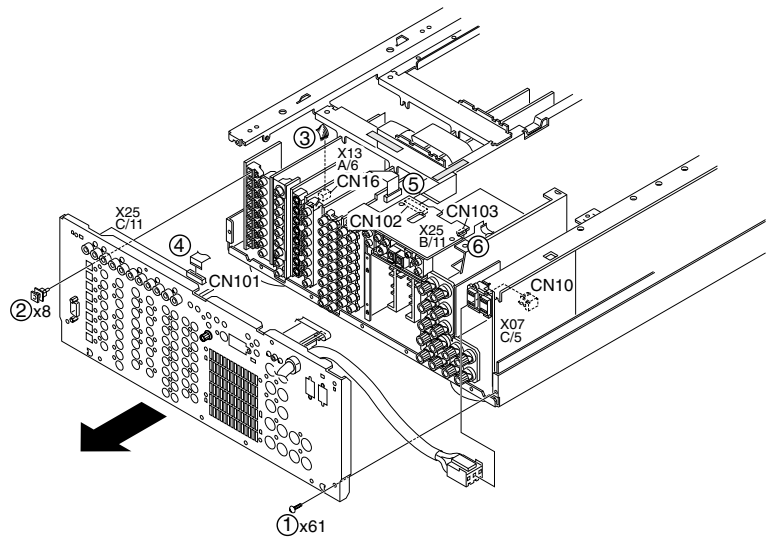
1. How to Remove the Front Panel

1. Remove the screws (①X3) on top of the panel.
2. Remove the screws (②X9) located at the bottom of the panel.
3. Disconnect the cable (③) and connectors (④,⑤) on the X13 A/6.
4. Disconnect the connector (⑥) on the X07 A/5.
5. Cut the tie band (⑦X7) as shown in the figure.
6. Remove the screw (⑧X1) on the X25 F/11.
7. Disconnect the connector (⑨) on the X25 G/11.(Except K/P type)
8. Remove the hooks (⑩X2) on the sub panel.
9. Remove the front panel in the direction of arrow.

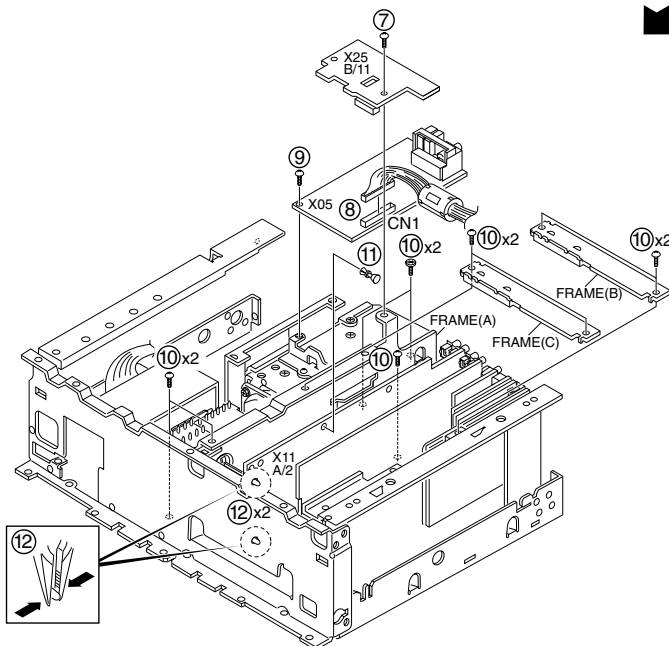


Disassembling the Rear Panel and How to Replace the Power Transistor

1. Disconnect the CN10 on the X07 C/5.
2. Remove all of screws (①X61) and digital caps (②X8) on the rear panel.
(The number of screws and caps are vary according to the models).
3. Disconnect the cable CN16 (③) on the X13 A/6.
4. Disconnect the flexible cables CN101(④) on the X25 C/11, CN102 (⑤) and * CN103 (⑥)on the X25 B/11.
* (K/P type only).
5. Remove the rear panel in the direction of arrow.
6. Remove the screw (⑦), then remove the X25 B/11.

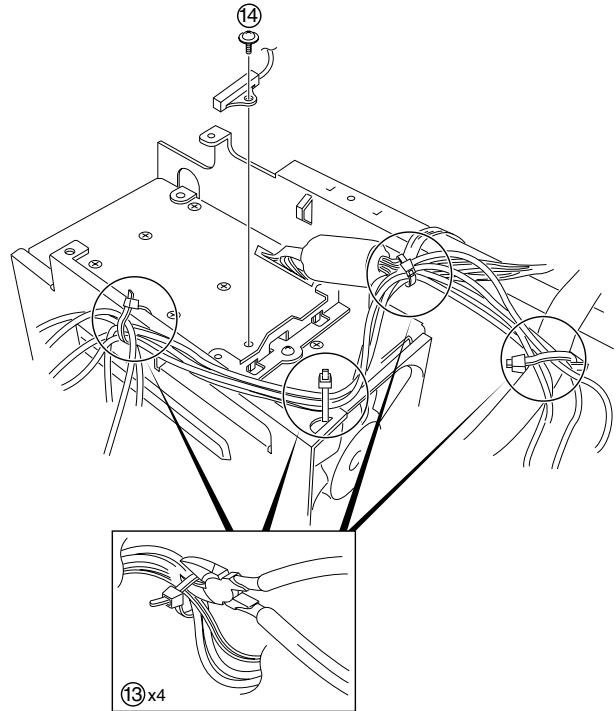


7. To remove the tuner unit, disconnect the CN1 (⑧) and remove a screw (⑨).
8. Remove the screws (⑩X9) on the frames (A/B/C), push rivet (⑪) and PC support (⑫x2)on the X11 A/2.

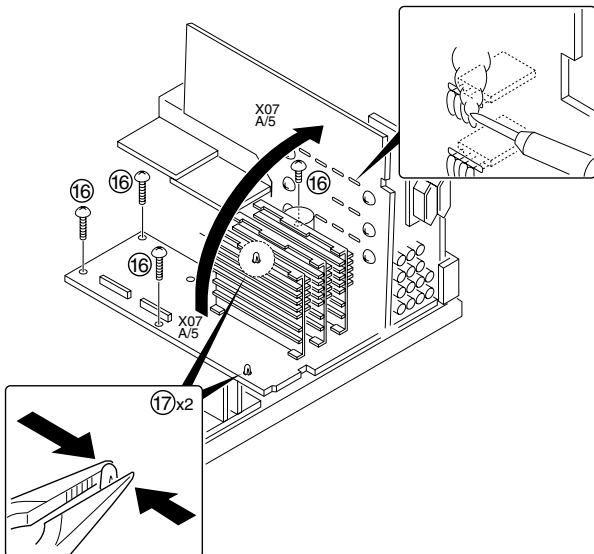
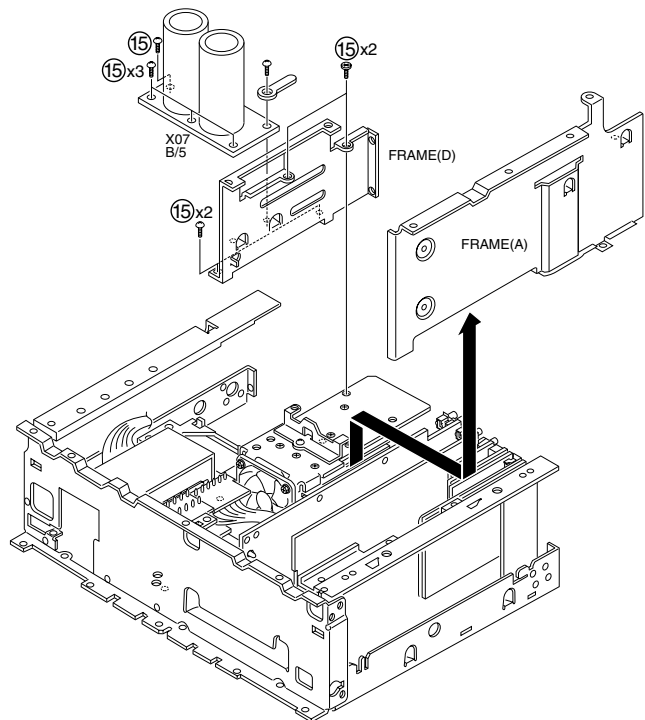


DISASSEMBLY FOR REPAIR

- To remove the frame A rearward, cut the tie bands (13X4) on the frames.
- Remove a screw (14), then remove a thermostat.

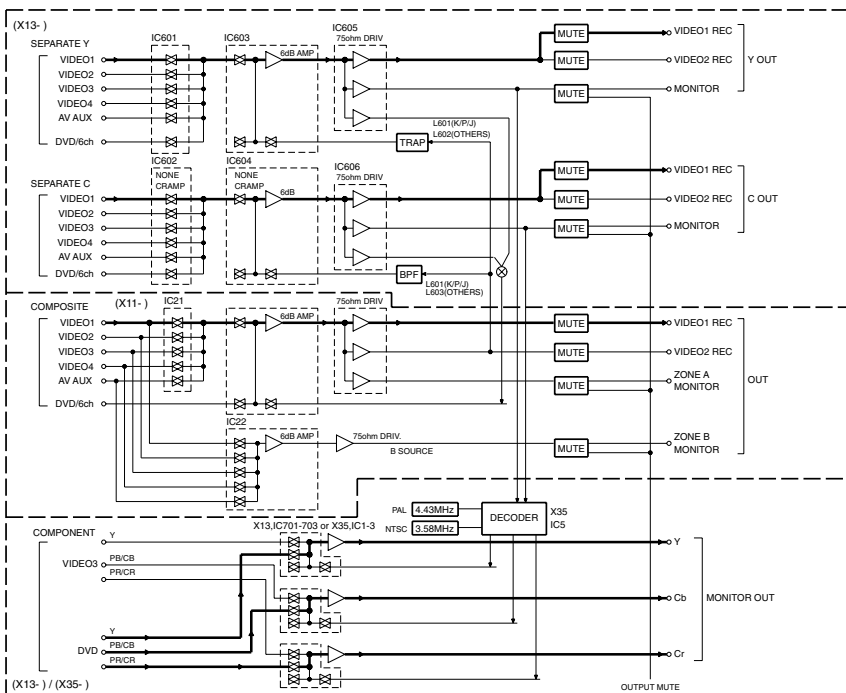


- Remove the screws (15X8), then remove a frame (D), and X07 B/5.
- To remove a power amplifier unit (X07 A/5), remove the screws (16x4), and a PC support (17x2).
- Set up the X07 A/5 in the direction of arrow as shown in the figure.
- Replace the defective transistor.



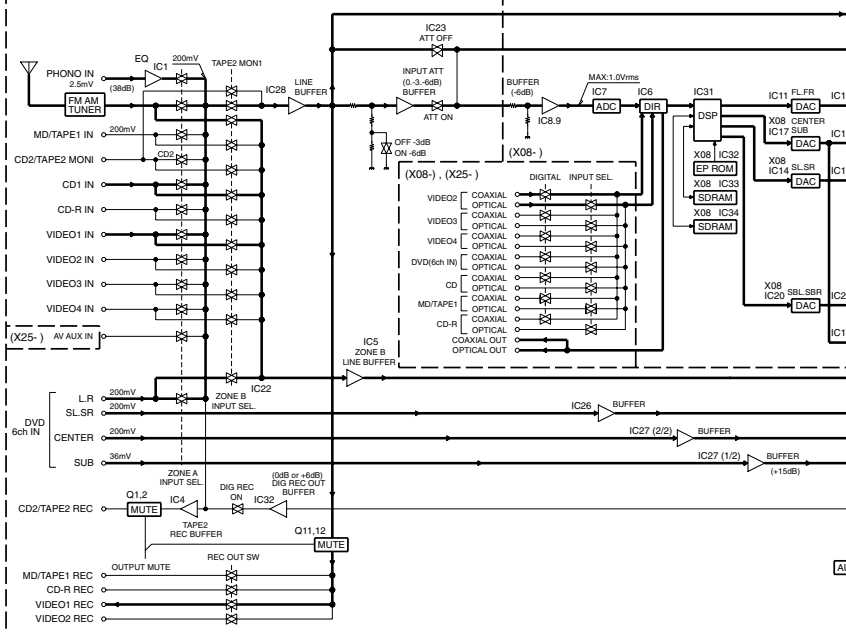
BLOCK DIAGRAM

VIDEO SECTION

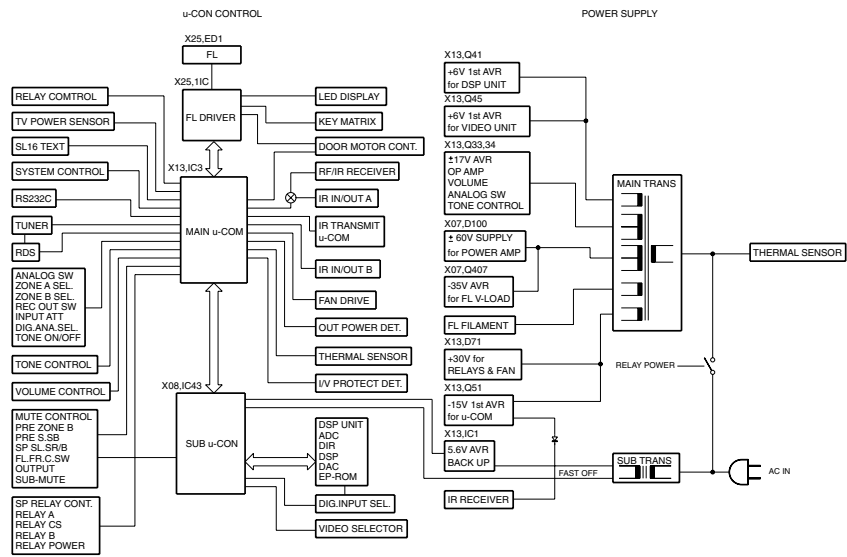


(X13-)/(X35-)

(X11-)



AUDIO SECTION



VR-5080/5090/5000
KRF-X7775D/X7775D-S/X9955D/X9955D-S

CIRCUIT DESCRIPTION

1. Initialization

1-1 The Initial Setting

- Insert the power cord to AC wall outlet by pressing the "ON/STANDBY" key.

2. Destination List of Tuner

0 : Pull down, 1: Pull up

| SET TYPE | TYPE | BAND | RECEIVING FREQUENCY RANGE | CHANNEL SPACE | IF | PLL |
|------------------------------|--------------------|------|---------------------------|---------------|----------|-------|
| K, P, R | K1 1700 | FM | 87.5MHz-108.0MHz | 100kHz | +10.7MHz | 25kHz |
| | | AM | 530kHz-1700kHz | 10kHz | +450kHz | 10kHz |
| Y, M, I, C, V | K2 1610 | FM | 87.5MHz-108.0MHz | 100kHz | +10.7MHz | 25kHz |
| | | AM | 530kHz-1610kHz | 10kHz | +450kHz | 10kHz |
| K, P | K4 1700 RBDS | FM | 87.5MHz-108.0MHz | 100kHz | +10.7MHz | 25kHz |
| | | AM | 530kHz-1700kHz | 10kHz | +450kHz | 10kHz |
| Y, M, I, C, V, E, X, H | E1 | FM | 87.5MHz-108.0MHz | 50kHz | +10.7MHz | 25kHz |
| | | AM | 531kHz-1602kHz | 9kHz | +450kHz | 9kHz |
| E, T | E3 RDS | FM | 87.5MHz-108.0MHz | 50kHz | +10.7MHz | 25kHz |
| | | AM | 531kHz-1602kHz | 9kHz | +450kHz | 9kHz |

3. Conditions according to the models or destination

3-1 Distinction of Destination

: u-com (X13,IC3) Port 54

| Type | Voltage : Max 5.0V |
|----------|--------------------|
| K2 | 0~0.52 |
| K1 | 1.61~2.49 |
| K4(RBDS) | 2.51~3.39 |
| E3(RDS) | 3.41~4.45 |
| E1 | 4.47~5.00 |

3-2 Distinction of Models : u-com (X13,IC3) Port 53

| Models | * | Voltage : Max 5.0V |
|------------------------------|-----|--------------------|
| VR-5080 | NO | 0~0.37 |
| VR-5090 | YES | 0.39~1.10 |
| VR-5700 | YES | 1.12~1.84 |
| VR-5900-S | YES | 1.86~2.49 |
| KRF-X9995D/D-S | YES | 2.51~3.14 |
| KRF-X7775D/D-S | YES | 3.16~3.88 |
| KRF-X9995D-S (M/X TYPE) | NO | 3.90~4.61 |
| KRF-X7775D-S (M/X/V TYPE) | NO | 4.63~5.00 |

* Switching of RF or Front IR and Rear IR Receiver Terminal.

4. Tuner Preset Memory

| P.ch | K1 | K2 | K4 | E1 | E3 | P.ch | K1 | K2 | K4 | E1 | E3 |
|------|-----------|-----------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|-----------|
| 1 | FM 98.3M | FM 98.3M | FM 98.3M | FM 98.3M | FM 98.3M | 21 | AM 530K | AM 530K | AM 530K | AM 531K | AM 531K |
| 2 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | 22 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 3 | FM 89.1M | FM 89.1M | FM 89.1M | FM 89.1M | FM 89.1M | 23 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 4 | FM 108.0M | FM 108.0M | FM 108.0M | FM 108.0M | FM 108.0M | 24 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 5 | FM 90.0M | FM 90.0M | FM 90.0M | FM 90.0M | FM 90.0M | 25 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 6 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | 26 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 7 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | 27 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 8 | AM 1610K | FM 87.5M | AM 1610K | FM 87.5M | FM 87.5M | 28 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 9 | AM 1700K | AM 1610K | AM 1700K | AM 1602K | AM 1602K | 29 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 10 | AM 1000K | AM 1000K | AM 1000K | AM 999K | AM 999K | 30 | FM 106.0M | FM 106.0M | FM 106.0M | FM 106.0M | FM 106.0M |
| 11 | AM 630K | AM 630K | AM 630K | AM 630K | AM 630K | 31 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 12 | AM 1440K | AM 1440K | AM 1440K | AM 1440K | AM 1440K | 32 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 13 | FM 106.0M | FM 106.0M | FM 106.0M | FM 106.0M | FM 106.0M | 33 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 14 | AM 530K | AM 530K | AM 530K | AM 531K | AM 531K | 34 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 15 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | 35 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 16 | FM 98.0M | FM 98.0M | FM 98.0M | FM 98.0M | FM 98.0M | 36 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 17 | FM 98.5M | FM 98.5M | FM 98.5M | FM 98.5M | FM 98.5M | 37 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 18 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | 38 | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M | FM 87.5M |
| 19 | AM 990K | AM 990K | AM 990K | AM 990K | AM 990K | 39 | FM 108.0M | FM 108.0M | FM 108.0M | FM 108.0M | FM 108.0M |
| 20 | FM 97.4M | FM 97.4M | FM 97.4M | FM 97.7M | FM 97.7M | 40 | AM 1000K | AM 1000K | AM 1000K | AM 945K | AM 945K |

CIRCUIT DESCRIPTION

5. Test Mode

5-1 Setting Method of the Test Mode

•Turn on the power supply while pressing the "INPUT SELECTOR DOWN" key, to make a set in test mode.

5-2 Canceling the Test Mode

•The system is initialized and the test mode is cancelled if unplug the AC power cord from an AC power wall outlet.

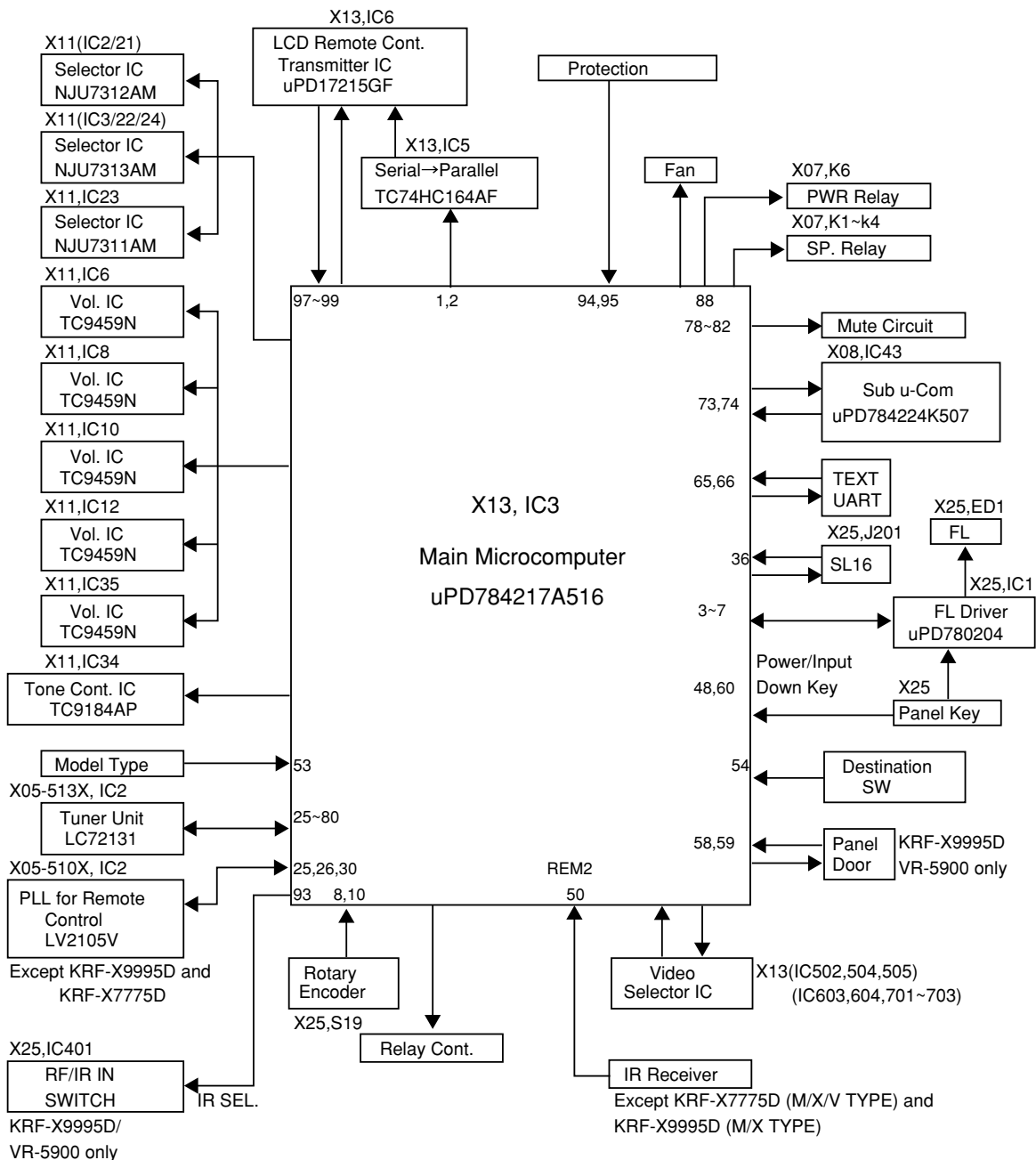
5-3 Contents of the Test Mode

* The following operation is available when the FL is all lighting up mode only.

| Key | Operation | Display |
|-------------|--------------------------------------------|-----------------|
| SOUND | Set up the RF frequency to 428MHz. | RF BAND |
| LISTEN MODE | Set up the RF frequency to 422MHz. | RF BAND |
| THX | Indicated the tuner destination in the FL. | EX. TYPE E1 |
| MEMORY | Changed the dimmer off/1/2 cyclically. | ALL FL Light ON |

6. Main Microcomputer: uPD784217A516 (X13, IC3)

6-1 Main Microcomputer Periphery block diagram



CIRCUIT DESCRIPTION

6-2 Port Description of Main Microcomputer : uPD784217A516 (X13, IC3)

| Port No. | Port Name | I/O | Function |
|----------|--------------|-----|--------------------------------------------------------------------------------------------------------------------------------|
| 1 | REM DA | O | IR transmitter IC(X13,IC5) control data output. |
| 2 | REM CK | O | IR transmitter IC(X13,IC5) control clock output. |
| 3 | FL CLK | O | Clock output to FL driver. |
| 4 | FL DIN | I | Data input from FL driver. |
| 5 | FL DOUT | O | Data output to FL driver. |
| 6 | FL STB | O | Strobe output to FL driver. |
| 7 | FL RST | O | Reset output to FL driver. |
| 8 | ENC B | I | Input port of volume encoder. |
| 9 | VDD | - | +5V power supply. |
| 10 | ENC A | I | Input port of volume encoder. |
| 11 | SEL CLK | O | Clock output to selector IC. |
| 12 | SEL DATA | O | Data output to selector IC. |
| 13~15 | SEL STB1~3 | O | Strobe (1~3) output to selector IC. |
| 16 | TONE CLK | O | Clock output to tone control / selector IC. |
| 17 | TONE DATA | O | Data output to tone control / selector IC. |
| 18 | TONE STB | O | Strobe output to tone control IC. |
| 19 | VOL CLK | O | Clock output to volume IC. |
| 20 | VOL DATA | O | Data output to volume IC. |
| 21 | VOL STB2 | O | Strobe 2 output to volume IC. |
| 22 | TEST/VPP | - | Connected to GND. |
| 23 | STEREO | I | Tuner stereo signal detection port. |
| 24 | SD | I | Tuner SD signal detection port. |
| 25 | RF PLL CLK | O | Clock output to PLL (LC72131) IC. * Clock output to PLL IC (LV2105V) for RF remote controller. * Except KRF-X7775D/9995D |
| 26 | RF PLL DATA | O | Data output to PLL(LC72131) IC. * Data output to PLL IC (LV2105V) for RF remote controller. * Except KRF-X7775D/9995D |
| 27 | PLL DO | I | Data input from PLL (LC72131)IC. |
| 28 | PLL CE | O | Chip enable to PLL (LC72131) IC. |
| 29 | T MUTE | O | Mute control to tuner. |
| 30 | RF PLL CE | O | PLL (LV2105V)CE for RF remote controller. (VR series only) |
| 31~33 | P MACRO A~C | O | Output port for perfect macro (A~C). (Refer to 7-6) |
| 34 | TV SENS | I | Detection port of TV signal. (Refer to 7-7) |
| 35 | VOL STB1 | O | Strobe 1 output to volume IC. |
| 36 | S DATA | I/O | SL16 data input/output. |
| 37 | VDD | - | +5V power supply |
| 38 | X2 | - | Crystal resonator (12.5MHz) connection. |
| 39 | X1 | - | Crystal resonator (12.5MHz) connection. |
| 40 | VSS | - | Connected to GND. |
| 41 | XT2 | - | Unused. |
| 42 | XT1 | - | Unused. |
| 43 | RESET | I | Reset signal input for main microcomputer. |
| 44 | CE | I | Detection port of chip enable. |
| 45 | S BUSY | I/O | Busy signal input/output. |
| 46 | 232C DET | I | Detection port of RS232C communication. (Except KRF-X7775D) |
| 47 | RDS CLK | I | Clock input of RDS demodulator IC. (E/T type only) |
| 48 | POWER KEY IN | I | Detection port for power key. |
| 49 | REM1 | I | Remote control signal input 1 (front panel). |
| 50 | REM2 | I | Remote control signal input 2 (IR receiver). Except KRF-X7775D (X/M/V)and KRF-X9995D (M/X) |

CIRCUIT DESCRIPTION

| Port No. | Port Name | I/O | Function |
|----------|-------------------|-----|--------------------------------------------------------------------------------------------|
| 51 | VDD | - | +5V power supply |
| 52 | AVREF | - | Reference voltage input. |
| 53 | MODEL SEL | I | Discrimination port for model type. |
| 54 | DSW0 | I | Detection port for tuner destination SW 0. |
| 55 | THERM SW | I | Detection port for thermal switch. (Refer to 7-1) |
| 56 | S LEVEL | I | RDS signal level input. (E/T type only) |
| 57 | RDS DATA | I | Data input of RDS demodulator IC. (E/T type only) |
| 58 | CLOSE SENS | I | Detection port of close sensor for panel door. (Refer to 7-3) (KRF-X9995D/VR-5900 only) |
| 59 | OPEN SENS | I | Detection port of open sensor for panel door. (Refer to 7-3) (KRF-X9995D/VR5900 only) |
| 60 | INPUT DOWN KEY IN | I | Detection port of input down key. |
| 61 | AVSS | - | Connected to GND. |
| 62 | P MACRO IN | I | Input port of perfect macro. (Refer to 7-7) |
| 63 | RELAY CONT | O | Relay control output. (Refer to 7-4) |
| 64 | AVREF1 | - | Reference voltage input. |
| 65 | 1394/TEXT RX | I | CD TEXT UTRA communication data input. |
| 66 | 1394/TEXT TX | O | CD TEXT UTRA communication data output. |
| 67 | SUB RESET | O | Reset signal output to sub microcomputer. |
| 68 | RS RX1 | I | RS232C communication data input 1. (Except KRF-X7775D) |
| 69 | RS TX1 | O | RS232C communication data output 1. (Ditto) |
| 70 | RS RX2 | I | RS232C communication data input 2. (Ditto) |
| 71 | RS TX2 | O | RS232C communication data output 2. (Ditto) |
| 72 | LED | O | Control port for pro logic2 led. |
| 73 | SDT | I | Communication data input from sub microcomputer. |
| 74 | MDT | O | Communication data output to sub microcomputer. |
| 75 | MCK | O | Clock output to sub microcomputer. |
| 76 | MREQ | O | Communication master request. |
| 77 | SREQ | I | Communication slave request. |
| 78 | F/CSW MUTE | O | Mute control port for room A. |
| 79 | PRE S/B MUTE | O | Mute control port for pre out surround. |
| 80 | SP S/B MUTE | O | Mute control port for S/B speakers. |
| 81 | PRE ZB MUTE | O | Mute control port for pre out B (zone B). |
| 82 | V/RECMUTE | O | Mute control port for video rec out. |
| 83 | 10dB GAIN | O | Switching port for +10dB amplifier. |
| 84 | RELAY CS | O | Mute control port for center/surround speakers. |
| 85 | RELAY B | O | Relay control port for speaker B. |
| 86 | RELAY A | O | Relay control port for speaker A. |
| 87 | RELAY TR | O | Switching port for transformer tap. |
| 88 | POWER | O | Power relay control port. |
| * 89 | FAN H/L | O | Control port for fan motor (H/L). |
| * 90 | FAN ON/OFF | O | Control port for fan motor (on/off). |
| * 91 | 10W | I | 10W detection port for fan control. |
| * 92 | 1W | I | 1W detection port for fan control. |
| 93 | IR SELECT | O | RF/IR IN switch control. (Refer to 7-5), KRF-X9995D/VR-5900 only |
| 94 | V PROT | I | Detection port of protection signal. |
| 95 | I PROT | I | Detection port of protection signal. |
| 96 | STBY LED | O | Control port for standby led. |
| 97 | REM RWR | I | RWR from LCD remote controller. |
| 98 | REM ENB | I | Chip enable from LCD remote controller. |
| 99 | REM REQ | O | Request to LCD remote controller. |
| 100 | VSS | - | GND |

* Refer to 7-1

CIRCUIT DESCRIPTION

7. Description of the Circuit Control

7-1 Fan Control (X13,IC3)

| Fan | 10W(91Pin) | 1W(92Pin) | THERMAL SW(55Pin) | FAN ON/OFF(90Pin) | FAN H/L(89Pin) |
|---------------|------------|-----------|-------------------|-------------------|----------------|
| FAN STOP | H | H | L | 0 | 1 |
| FAN LOW SPEED | H | L | L | 1 | 1 |
| FAN HI SPEED | L | L | L | 1 | 0 |
| FAN LOW SPEED | H | H | H | 1 | 1 |
| | H | L | H | 1 | 1 |
| FAN HI SPEED | L | L | H | 1 | 0 |

7-2 Door Open/Close Control : FL Driver(X25,IC1)

KRF-X9995D/VR-5900 only

| | DOOR OUT1(42Pin) | DOOR OUT2(41Pin) |
|-------|------------------|------------------|
| OPEN | 1 | 0 |
| CLOSE | 0 | 1 |
| STOP | 0 | 0 |
| BREAK | 1 | 1 |

7-3 Open Close Sensor(X13,IC3 : Main u-com)

KRF-X9995D/VR-5900 only

| | OPEN SENS(59Pin) | CLOSE SENS(58Pin) |
|---------------------|------------------|-------------------|
| END OF OPEN ACTION | 0 | 1 |
| END OF CLOSE ACTION | 1 | 0 |

7-4 Relay Control : X13,IC3(Main u-com)

| SELECTOR | RELAY CONT.(63Pin) |
|-------------------|--------------------|
| PHONO | 0 |
| TUNER | |
| CD1 | |
| MD/TAPE1 | |
| CD-R | |
| CD2/TAPE2 MONITOR | 1 |
| VIDEO1 | |
| VIDEO2 | |
| VIDEO3 | |
| VIDEO4 | |
| DVD | |
| AV/AUX | |

7-5 IR Remote Control

| | | X25,IC401 RF IN (7Pin) | X25,IC401 IR IN (6Pin) | IR SELECT X13,IC3 (93Pin) |
|--------------------|--------------|------------------------|------------------------|---------------------------|
| WITH RF VERSION | RF ON | X | O | 0 |
| | RF OFF | O | X | 1 |
| WITHOUT RF VERSION | FRONT IR ON | X | O | 0 |
| | FRONT IR OFF | O | X | 1 |

7-6 P Macro Video Switch(X13,IC505)

| SELECTOR | P MACRO A(3Pin) | P Macro B(4Pin) | P Macro C(5Pin) |
|----------|-----------------|-----------------|-----------------|
| VIDEO1 | 0 | 0 | 0 |
| VIDEO2 | 0 | 1 | 0 |
| VIDEO3 | 1 | 0 | 0 |
| VIDEO4 | 1 | 1 | 0 |
| DVD | 0 | 0 | 1 |

7-7 Video/TV Detection : X13,IC3

Video Detection

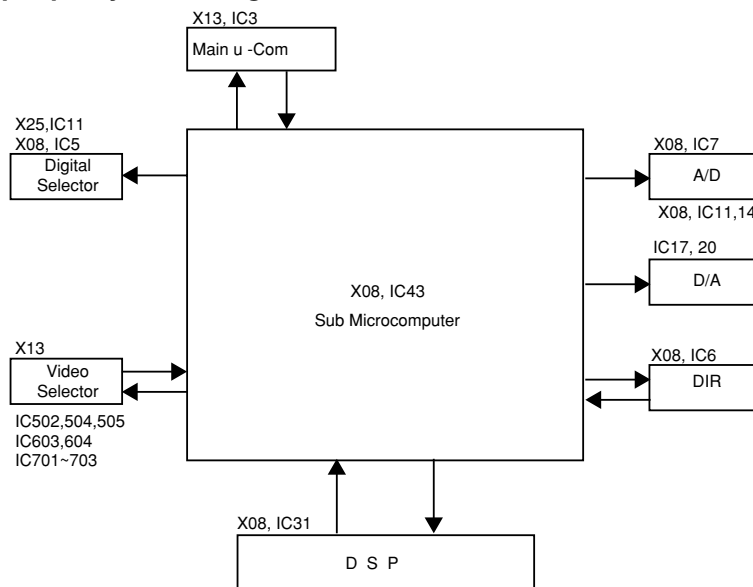
| Video Signal | P Macro IN(62Pin) |
|--------------|-------------------|
| Yes | H |
| No | L |

TV Detection

| TV POWER | TV SENS.(34Pin) |
|----------|-----------------|
| ON | H |
| OFF | L |

8. Sub microcomputer: uPD784224K507(X08, IC43)

8-1 Sub microcomputerperiphery block diagram



CIRCUIT DESCRIPTION

8-2 Port Description of Sub Microcomputer : uPD784224K507 (X08,IC43)

| Port No. | Port Name | I/O | Function | ACTIVE | |
|----------|----------------|-----|------------------------------------------------------------------------------------------|------------|-----------------------|
| | | | | H | L |
| 1 | ERF | I | D.I.R. (X08, IC6) error flag. | | |
| 2 | FS96 DET | I | 96KHz fs detection. H : fs>88.1kHz detection | | |
| 3 | AUTO | I | Non-PCM detection. H : Non-PCM detection | | |
| 4 | AVSS | - | GND | | |
| 5 | DIR PD | O | Power down for D.I.R. (X08, IC6). L : DIR power down and reset | | |
| 6 | DIR CS | O | Chip select for D.I.R. (X08, IC6). L : Chip selection | | |
| 7 | AVREF | - | Reference voltage. | | |
| 8 | DIR DIN | I | Data input from D.I.R. (X08, IC6). | | |
| 9 | DIR DOUT | O | Data output for D.I.R. (X08, IC6). | | |
| 10 | DIR CLK | O | Clock output for D.I.R. (X08, IC6). | | |
| 11 | D MUTE | O | Mute signal output for D.I.R. (X08, IC6). | | Data mute |
| 12 | DAC PD | O | Power down for D/A converter (X08, IC11/14/17/20). | | Power down |
| 13 | DAC 96K | O | Double speed sampling mode for D/A converter speed mode (X08, IC11/14/17/20). H : Double | | |
| 14 | DAC MUTE | O | Mute signal output for D/A converter (X08, IC11/14/17/20). | Mute | |
| 15 | ADC RST | O | Reset signal output for A/D converter (X08, IC7). | | Reset |
| 16 | MDT | I | Main microcomputer master data. | | |
| 17 | SDT | O | Sub microcomputer data output. | | |
| 18 | MCK | I | Main microcomputer control data clock | | |
| 19 | MREQ | I | Main microcomputer master request. | | |
| 20 | SREQ | O | Main microcomputer slave request. | | |
| 21 | REC 6dB | O | Rec gain control when HDCD +6dB. | +6dB on | |
| 22~24 | DSEL A~C | O | Control port for digital input selector (A~C). | | |
| 25 | DSP POWER | O | Power supply for DSP/DAC/ADC/DIR. | | |
| 26 | DSP RESET | O | Reset signal output for DSP. | | |
| 27~32 | DSP D0~D5 | I/O | DSP control data. | | |
| 33 | VSS | - | GND | | |
| 34,35 | DSP D6,7 | I/O | DSP control data. | | |
| 36 | DSP REQ | O | DSP communication request. | | Request |
| 37 | DSP ACK | I | Input port of command data reading from DSP. | | Ack. |
| 38 | DSP BUSY | I | DSP status busy. | Busy | |
| 39 | DSP WRT | O | DSP Write | Data write | Data read |
| 40 | DTS DET | I | DSP DTS detection. | DTS | |
| 41 | PCM ZERO | I | PCM zero data detection. | PCM 0 | |
| 42 | HDCD DET | I | DSP HDCD sync. Detection. | HDCD | |
| 43 | HDCD 6dB DET | I | DSP HDCD +6dB detection. (KPCM) | +6dB | |
| 44 | OVER LEVEL | I | DSP over level detection. | Over level | |
| 45 | PCM MUTE | O | DSP mute control (PCM). | | Fixed |
| 46 | DRIVE | O | DSP D.R.I.V.E. /HDCD control (PCM). | | D.R.I.V.E/ HDCD ON |
| 47 | SUB MUTE | O | Sub microcomputer analog mute. | | Mute on |
| 48~50 | C ROOMB(C/B/A) | O | Zone B video selector control. | | |
| 51,52 | YC SEL(B, A) | O | Zone A video selector control. | | |
| 53~59 | C ROOMA(A~G) | O | Zone A video selector control. | | |
| 60 | RESET | I | Reset signal input. | | |
| 61 | YC MUTE | O | Zone A video selector (Y/C) mute control. | | |
| 62 | FSC CTRL | O | Zone A video selector FSC control. | | |
| 63 | VSEL | O | Zone A video selector control. | | |
| 64 | CTRL A2 | O | Zone A video selector control A2. | | |
| 65 | CTRL B | O | Zone A video selector control B. | | |
| 66 | CTRL A | O | Zone A video selector control A. | | |

CIRCUIT DESCRIPTION

| Port No. | Port Name | I/O | Function | ACTIVE | |
|----------|-----------|-----|--------------------------------------|--------|-----------|
| | | | | H | L |
| 67 | VSS | - | GND | | |
| 68 | VDD | - | Power supply (+3.3V). | | |
| 69 | X2 | - | Crystal resonator (6MHz) connection. | | |
| 70 | X1 | I | Crystal resonator (6MHz) connection. | | |
| 71 | TEST | - | Pull down port. | | |
| 72 | XT2 | - | Unused. | | |
| 73 | XT1 | - | GND | | |
| 74 | VDD | - | Power supply (+3.3V). | | |
| 75 | AVDD | - | Power supply (+3.3V). | | |
| 76 | NC | - | Unused. | | |
| 77 | C DET | I | Zone A component signal detection. | | Detection |
| 78 | Y DET | I | Zone A S-terminal signal detection. | | Detection |
| 79 | CK DET | I | Zone A color killer detection. | | |
| 80 | OPT DET | I | Optical digital input detection. | | |

9. Description of the Circuit Control

* The number in the () is pin number of sub microcomputer.

9-1 Digital Selector

• VR-5700/5900/5090/KRF-X9995D(for OPT and COAX)

| INPUT | DSEL A(Pin22) | DSEL B(Pin23) | DSEL C(Pin24) |
|----------|---------------|---------------|---------------|
| CD1 | L | H | L |
| MD/TAPE1 | H | H | L |
| CD-R | L | L | H |
| VIDEO2 | H | L | H |
| VIDEO3 | L | H | H |
| VIDEO4 | H | H | H |
| DVD | H | L | L |
| OTHERS | L | L | L |

• VR-5080/KRF-X7775D

| INPUT | DSEL A (Pin22) | DSEL B (Pin23) | DSEL C (Pin24) |
|---------------|----------------|----------------|----------------|
| CD1(OPT) | L | H | L |
| VIDEO2(COAX) | L | H | L |
| VIDEO3(COAX) | H | H | L |
| DVD(OPT/COAX) | H | L | L |
| OTHERS | L | L | L |

9-2 Video Selector

(BA7649AF,BA7611AF,BA7612F,BA7613F)

① VSEL

| INPUT | VSEL(Pin63) |
|--------|-------------|
| VIDEO1 | L |
| VIDEO2 | L |
| VIDEO3 | L |
| VIDEO4 | L |
| AV-AUX | L |
| DVD | H |
| V MUTE | L |

② Y C Select

② -1 Y Detect(Pin78) = H

| INPUT | Y C SEL A (Pin52) | Y C SEL B (Pin51) |
|--------|-------------------|-------------------|
| VIDEO1 | L | H |
| VIDEO2 | L | H |
| VIDEO3 | L | H |
| VIDEO4 | L | H |
| AV-AUX | L | H |
| DVD | H | L |
| V MUTE | H | H |

③ CTRL A, CTRL A2, CTRL B

③ -1 C Detect(Pin77) = L

VR-5900/5090/KRF-X9995D

② -2 Y Detect(Pin78) = L

| INPUT | Y C SEL A (Pin52) | Y C SEL B (Pin51) |
|--------|-------------------|-------------------|
| VIDEO1 | L | L |
| VIDEO2 | L | L |
| VIDEO3 | L | L |
| VIDEO4 | L | L |
| AV-AUX | L | L |
| DVD | L | L |
| V MUTE | H | H |

| INPUT | CTRL A (Pin66) | CTRL A2 (Pin64) | CTRL B (Pin65) |
|--------|----------------|-----------------|----------------|
| VIDEO1 | L | L | H |
| VIDEO2 | L | L | H |
| VIDEO3 | L | L | L |
| VIDEO4 | L | L | H |
| AV-AUX | L | L | H |
| DVD | H | H | L |
| V MUTE | H | H | H |

CIRCUIT DESCRIPTION

③ -2 C Detect(Pin77) = H

- CK DET(Pin79) = L
- VR-5900/5090/KRF-X9995D

| INPUT | CTRL A (Pin66) | CTRL A2 (Pin64) | CTRL B (Pin65) |
|--------|-------------------|--------------------|-------------------|
| VIDEO1 | L | L | H |
| VIDEO2 | L | L | H |
| VIDEO3 | L | L | H |
| VIDEO4 | L | L | H |
| AV-AUX | L | L | H |
| DVD | L | L | H |
| V MUTE | H | H | H |

③ -3 CK DET(Pin79) = H

VR-5900/5090/KRF-X9995D

| INPUT | CTRL A (Pin66) | CTRL A2 (Pin64) | CTRL B (Pin65) |
|--------|-------------------|--------------------|-------------------|
| VIDEO1 | L | H | H |
| VIDEO2 | L | H | H |
| VIDEO3 | L | H | H |
| VIDEO4 | L | H | H |
| AV-AUX | L | H | H |
| DVD | L | H | H |
| V MUTE | H | H | H |

④ CPST A(Pin53~59)

④ -1 Y Detect(Pin78) = H

| INPUT | CPST AA (Pin59) | CPST AB (Pin58) | CPST AC (Pin57) | CPST AD (Pin56) | CPST AE (Pin55) | CPST AF (Pin54) | CPST AG (Pin53) |
|--------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| VIDEO1 | L | L | L | L | L | L | L |
| VIDEO2 | H | H | H | H | L | L | L |
| VIDEO3 | L | H | L | L | L | L | L |
| VIDEO4 | L | H | H | L | L | L | L |
| AV-AUX | H | L | L | L | L | L | L |
| DVD | L | H | L | L | H | L | L |
| V MUTE | L | H | L | L | H | H | H |

④ -2 Y Detect(Pin78) = L

| INPUT | CPST AA (Pin59) | CPST AB (Pin58) | CPST AC (Pin57) | CPST AD (Pin56) | CPST AE (Pin55) | CPST AF (Pin54) | CPST AG (Pin53) |
|--------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| VIDEO1 | L | L | L | L | L | L | H |
| VIDEO2 | H | H | H | H | L | L | H |
| VIDEO3 | L | H | L | L | L | L | H |
| VIDEO4 | L | H | H | L | L | L | H |
| AV-AUX | H | L | L | L | L | L | H |
| DVD | L | H | L | L | H | H | L |
| V MUTE | L | H | L | L | H | H | H |

⑤ CPST B(Pin48~50)

| INPUT | CPST BA (Pin50) | CPST BB (Pin49) | CPST BC (Pin48) |
|--------|--------------------|--------------------|--------------------|
| VIDEO1 | L | L | L |
| VIDEO2 | L | H | L |
| VIDEO3 | H | L | L |
| VIDEO4 | H | H | L |
| DVD | L | H | H |

10. Key Matrix

* The number in the () is pin number of FL driver (X25,IC1).

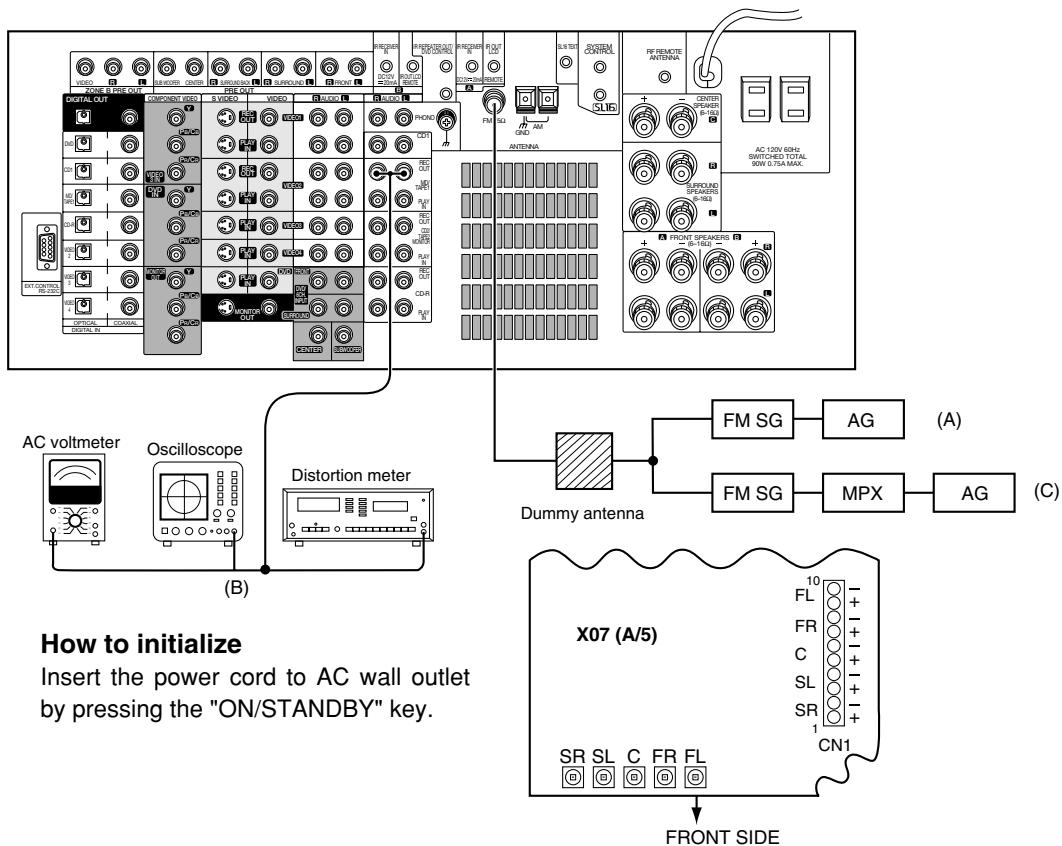
* KRF-X9995D/VR-5900 only

| | Key | |
|--------------|--------------|------------------|
| Key 1(Pin26) | INPUT UP | * OPEN/CLOSE |
| Key 2(Pin27) | AUTO | BAND |
| Key 3(Pin28) | P. CALL UP | MEMORY |
| Key 4(Pin29) | P. CALL DOWN | MULTI CONT. UP |
| Key 5(Pin30) | SOUND/SET UP | MULTI CONT. DOWN |
| Key 6(Pin31) | LISTEN MODE | THX |
| Key 7(Pin32) | INPUT MODE | CD2/TAPE2 MONI. |
| Key 8(Pin33) | SPEAKER A | SPEAKER B |

ADJUSTMENT

| No. | ITEM | INPUT SETTINGS | OUTPUT SETTINGS | RECEIVER SETTINGS | ALIGNMENT POINTS | ALIGN FOR | FIG. |
|-----------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------|------|
| FM SECTION : SELECTOR : FM *Adjust NO.1 and NO.2 repeatedly. | | | | | | | |
| 1 | DISCRIMINATOR | (A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input) | Connect a DC voltmeter between CN2 ① and CN2 ② (X05) | MONO 98.0MHz | L4 (X05-) | 0V | |
| 2 | DISTORTION (MONO) | (A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input) | (B) | MONO 98.0MHz | L5 (X05-) | Minimum distortion | |
| 3 | DISTORTION (STEREO) | (C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input) | (B) | AUTO 98.0MHz | IFT(RF FRONT END : A1) (X05-) | Minimum distortion (L or R) | |
| 4 | TUNING LEVEL | (A) 98.0MHz MONO 1kHz, ±40kHz dev. 30dBf (ANT. input) | — | MONO 98.0MHz | VR1 (X05-) | Adjust VR1 and stop at the point where ED1 (TUNED) goes on. | |
| AUDIO SECTION SPEAKER : A PREOUT : OFF PROLOGIC : ON | | | | | | | |
| <1> | IDLE CURRENT | — | Connect a DC voltmeter across each T.P. CN1(⑨, ⑩) FLch CN1(⑤, ⑥) Cch CN1(⑦, ⑧) FRch CN1(①, ②) SRch CN1(③, ④) SRch X07(A/5) | (FRONT 2ch MODE) Volume: Minimum | VR1(FL) VR2(FR) VR3(SL) VR4(SR) VR5(CENTER) X07(A/5) | Adjust every potentiometer 10 minutes later after turned the power on. | |

SYSTEM CONNECTIONS



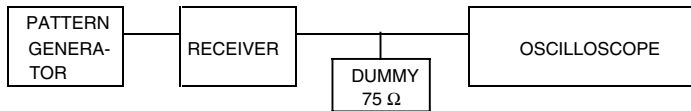
ADJUSTMENT

Adjustment of Sub Color and Contrast (X35, VR1, VR2)

Except KRF-X7775D/VR-5080

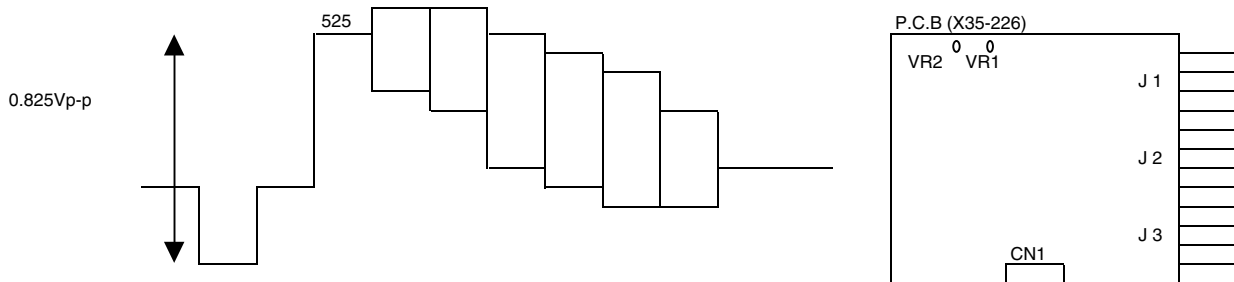
| No. | ITEM | INPUT SETTINGS | OUTPUT SETTINGS | ALIGNMENT POINTS | ALIGNMENT FOR | FIG. |
|-----|-----------|-------------------------------------|-------------------------------------------------------------------|------------------|--------------------------------------------------------|-------|
| 1 | SUB COLOR | PAL 75% COLOR BAR (NO SET UP) | Connect a component video output(Y) to oscilloscope with 75Ω. | VR2 | (Adjust an amplitude of video signal.) 0.825Vp - p | FIG.1 |
| 2 | CONTRAST | PAL 75% COLOR BAR (NO SET UP) | Connect a component video output(Cb,Cr) to oscilloscope with 75Ω. | VR1 | (Adjust an amplitude of video signal.) ±0.525Vp - p | FIG.2 |

INSTRUMENTS CONNECTION

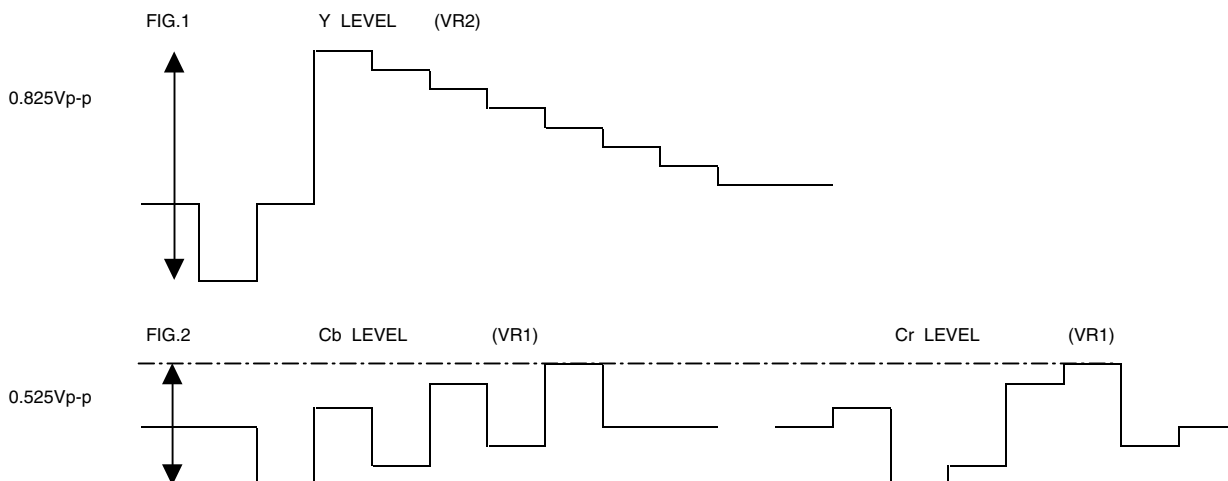


INPUT SIGNAL : 75% COLOR BAR SIGNAL

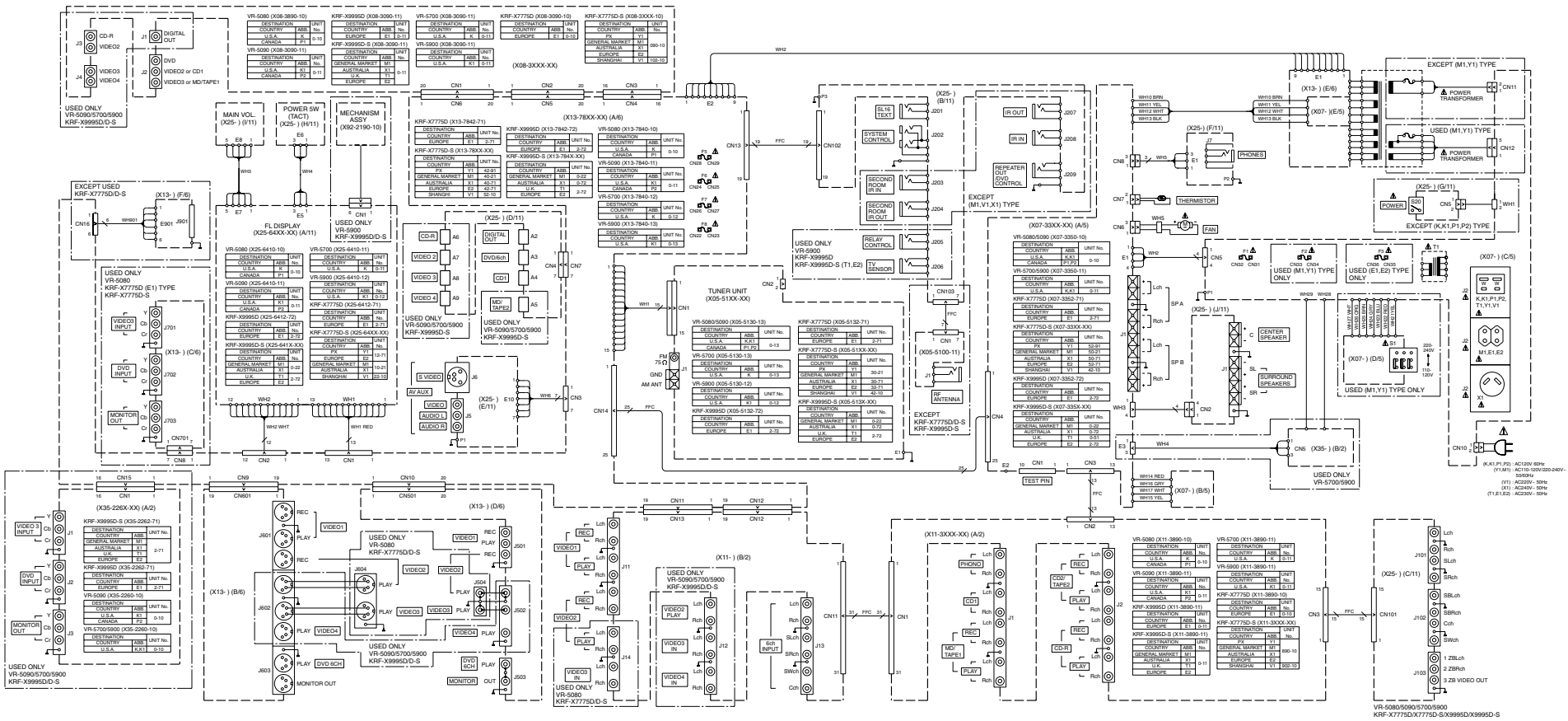
| PARAMETER | | WHITE | YELLOW | CYAN | GREEN | MAGENTA | RED | BLUE |
|--------------------|-----|-------|--------|------|-------|---------|-----|------|
| LUMINANCE LEVEL | mV | 525 | 465 | 368 | 308 | 217 | 157 | 60 |
| | IRE | | | | | | | |
| CHROMA LEVEL | mV | 0 | 470 | 664 | 620 | 620 | 664 | 470 |
| | IRE | | | | | | | |
| CHROMA PHASE (deg) | +V | | 167 | 283 | 241 | 61 | 103 | 347 |
| | -V | | 193 | 77 | 119 | 299 | 257 | 13 |



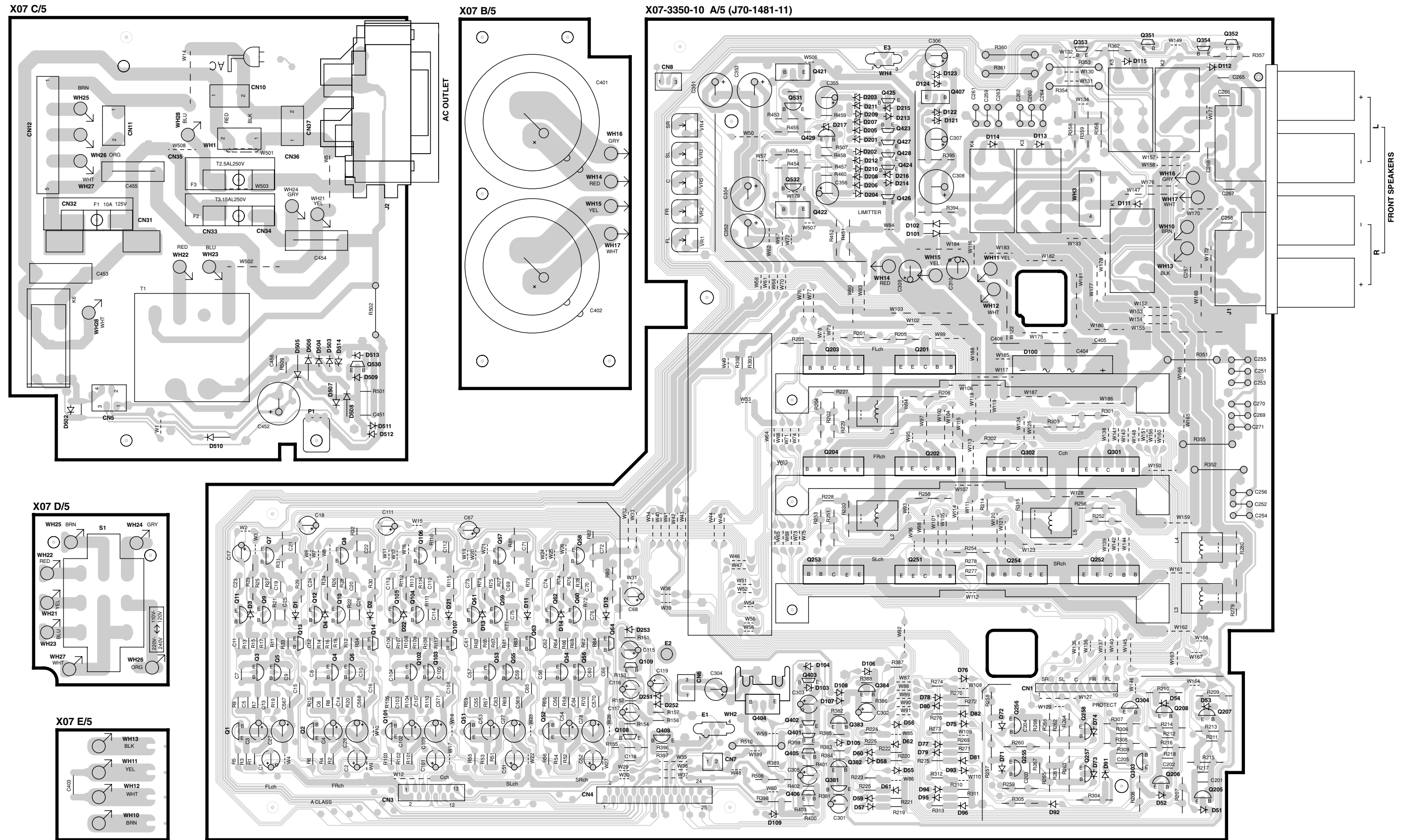
ADJUSTMENT OUTPUT SIGNAL :



WIRING DIAGRAM

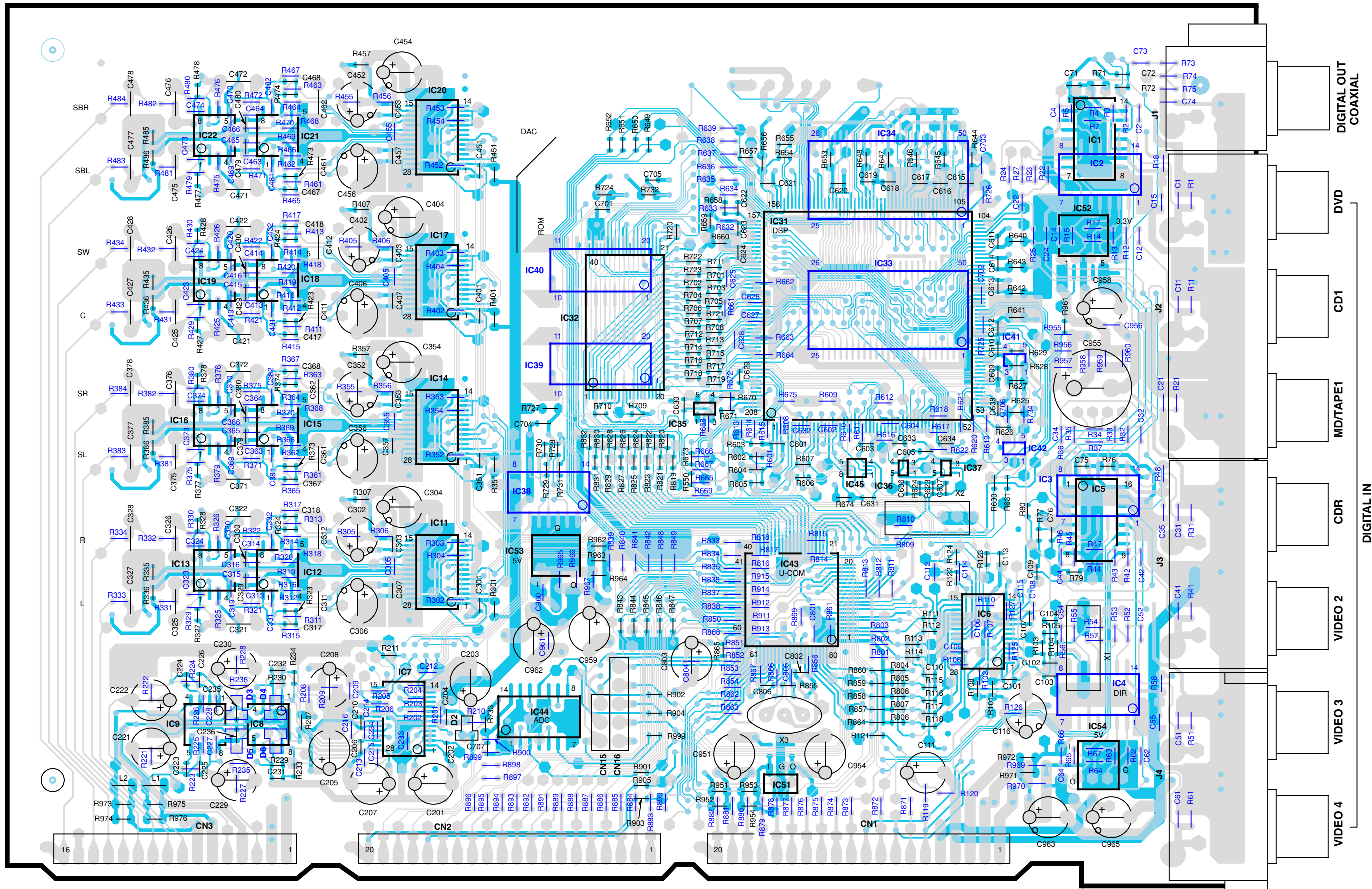


PC BOARD (Component side view)

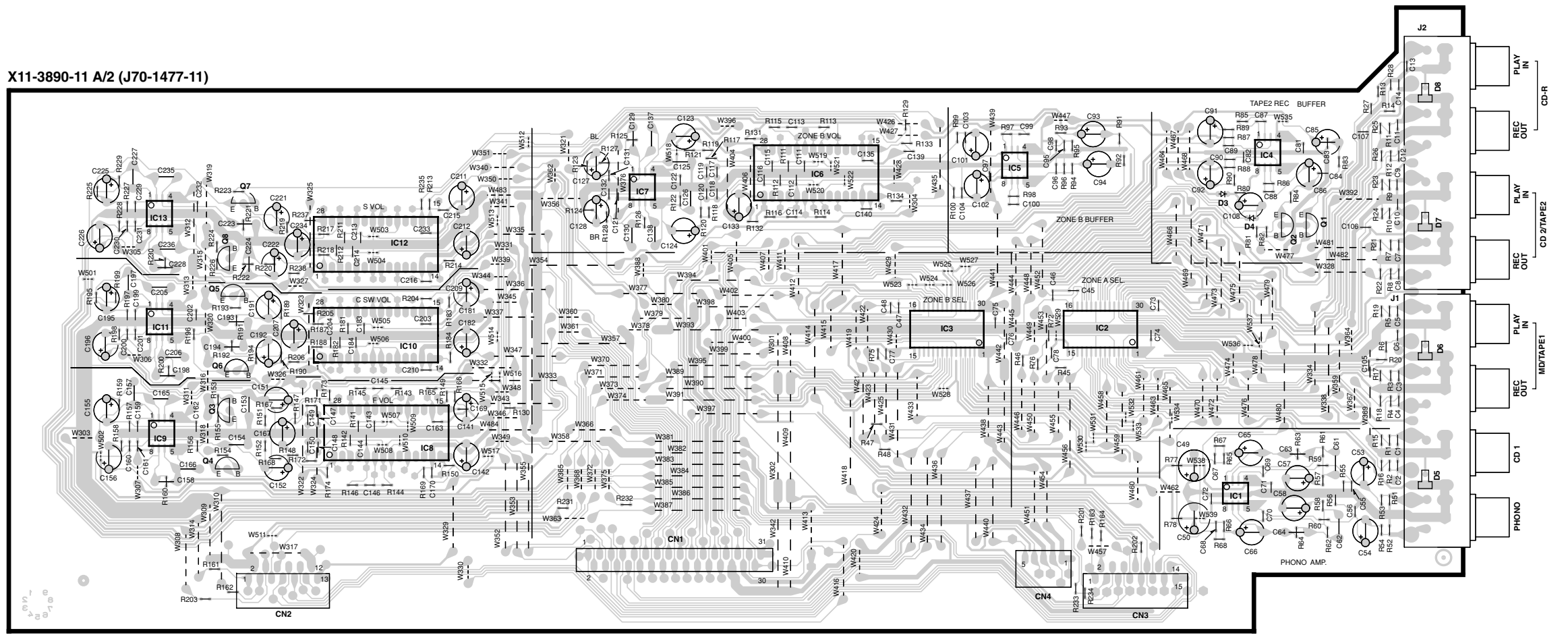
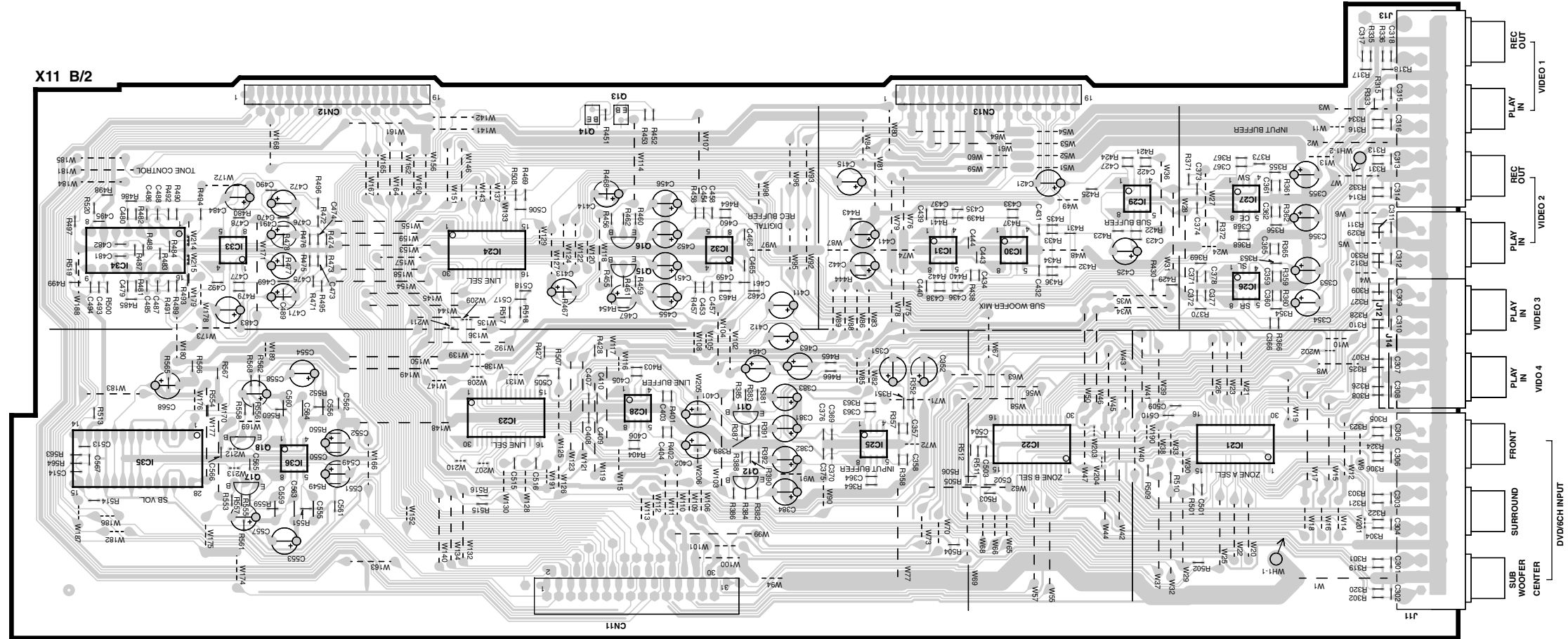


PC BOARD (Component side view)

X08-3090-11 (J70-1482-12)

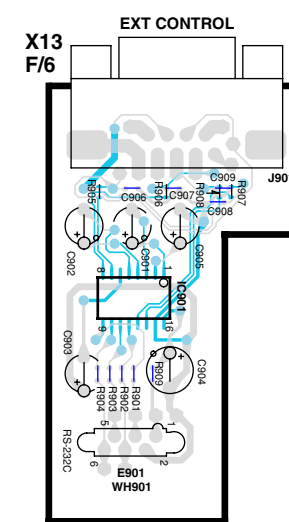
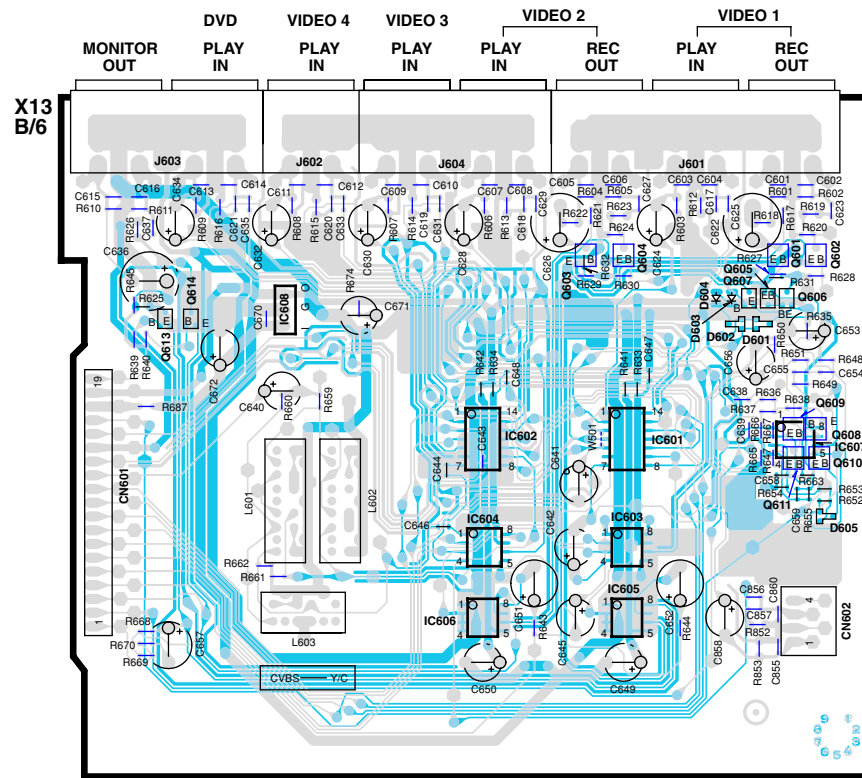
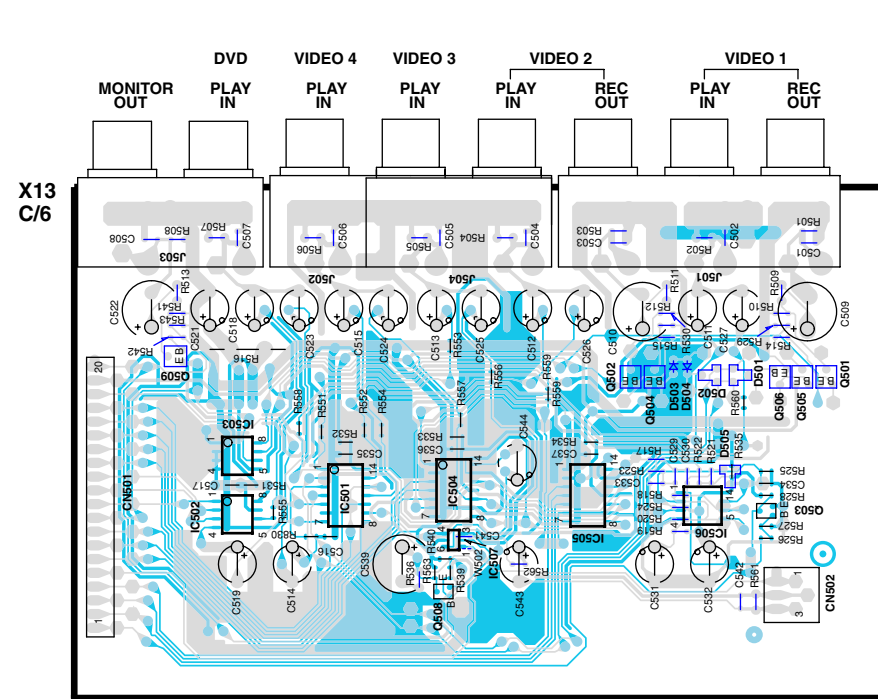


PC BOARD (Component side view)

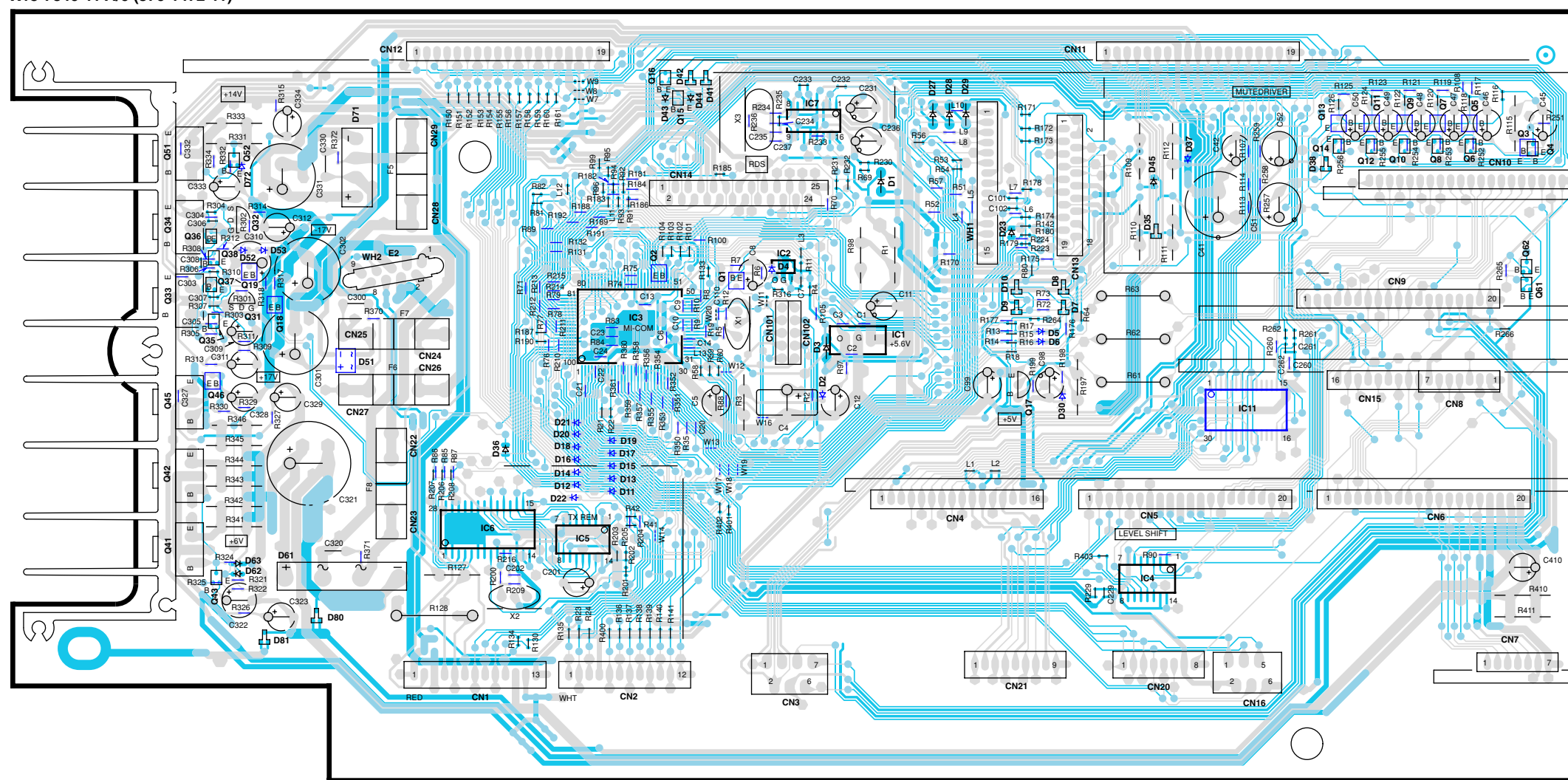


Refer to the schematic diagram for the value of resistors and capacitors.

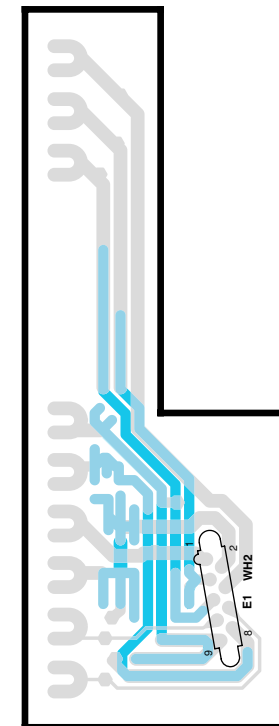
PC BOARD (Component side view)



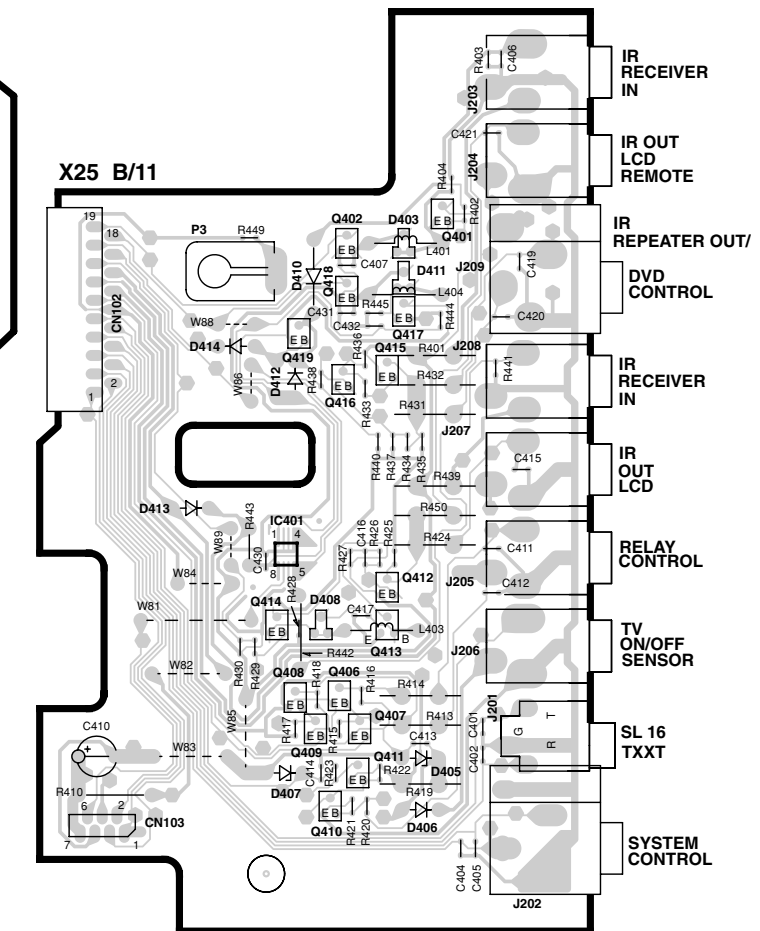
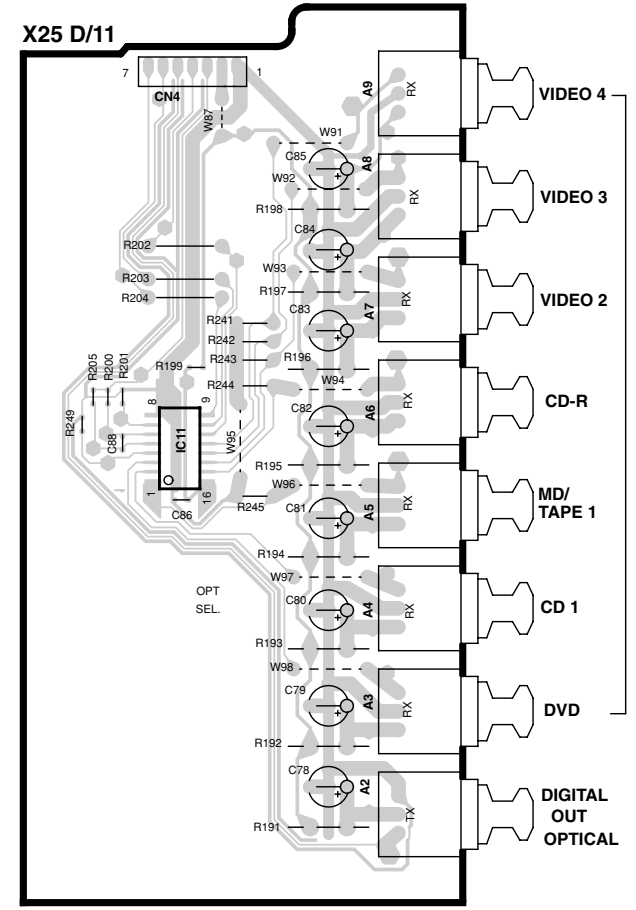
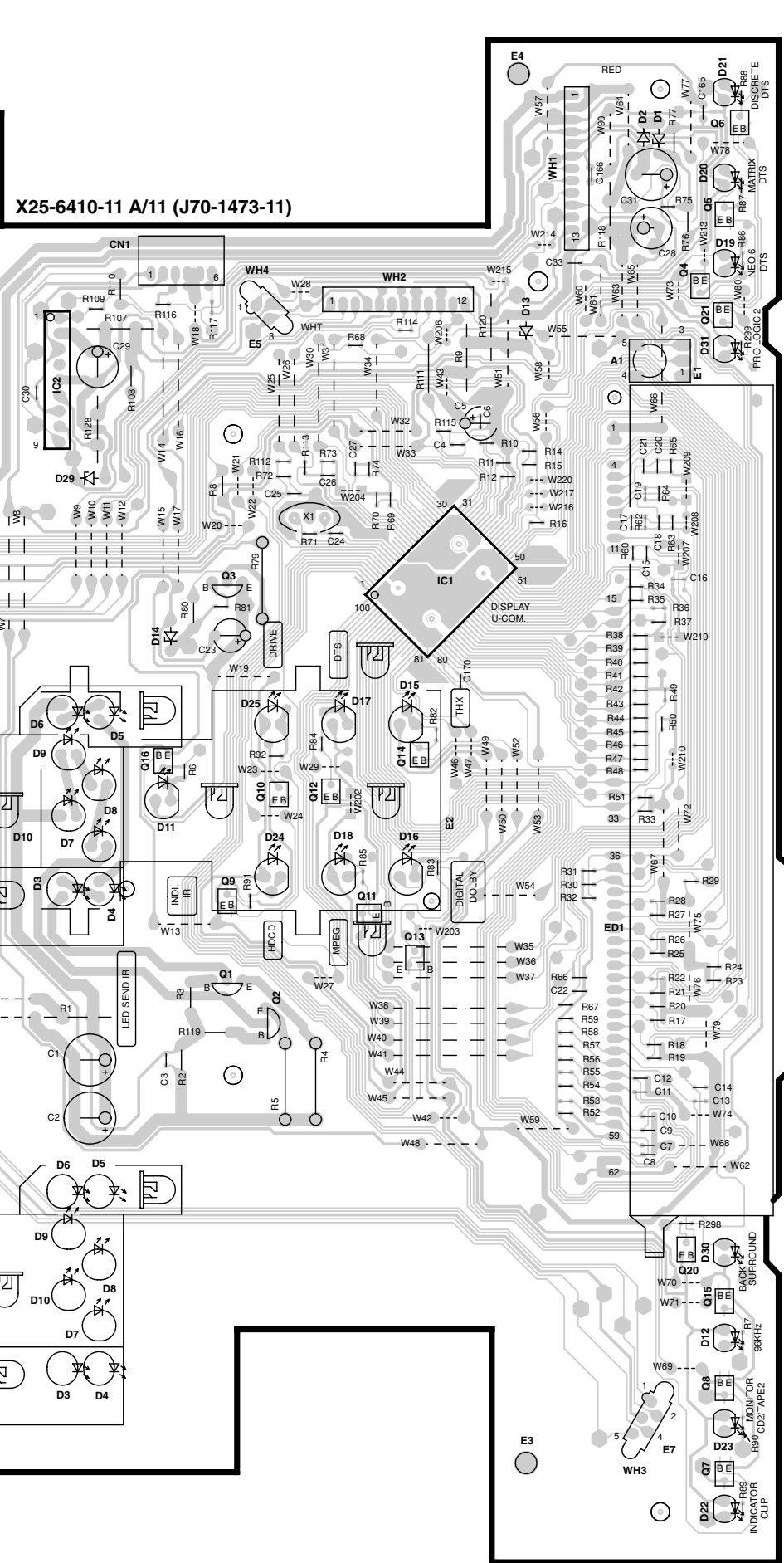
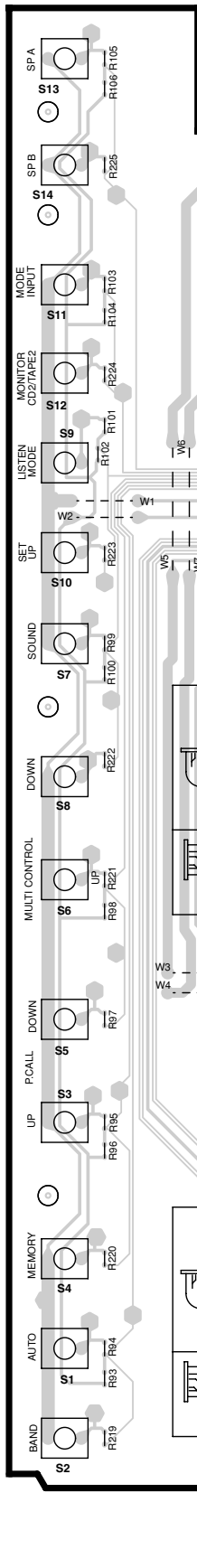
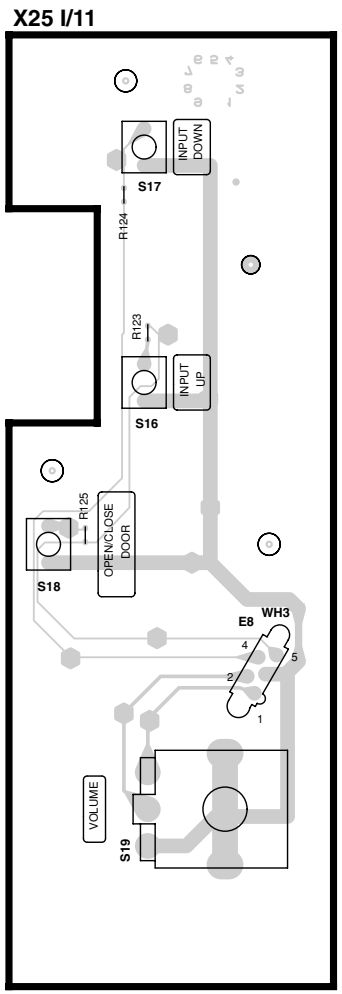
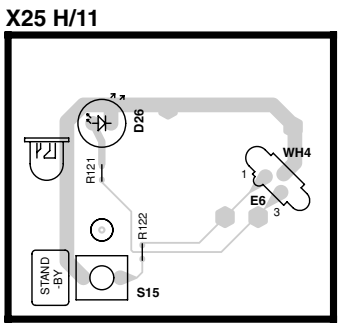
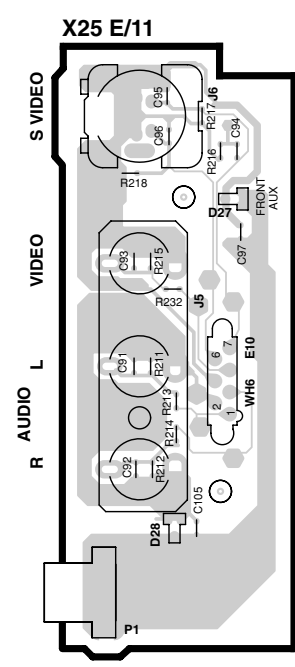
X13-7840-11 A/6 (J70-1472-11)



X13 E/6



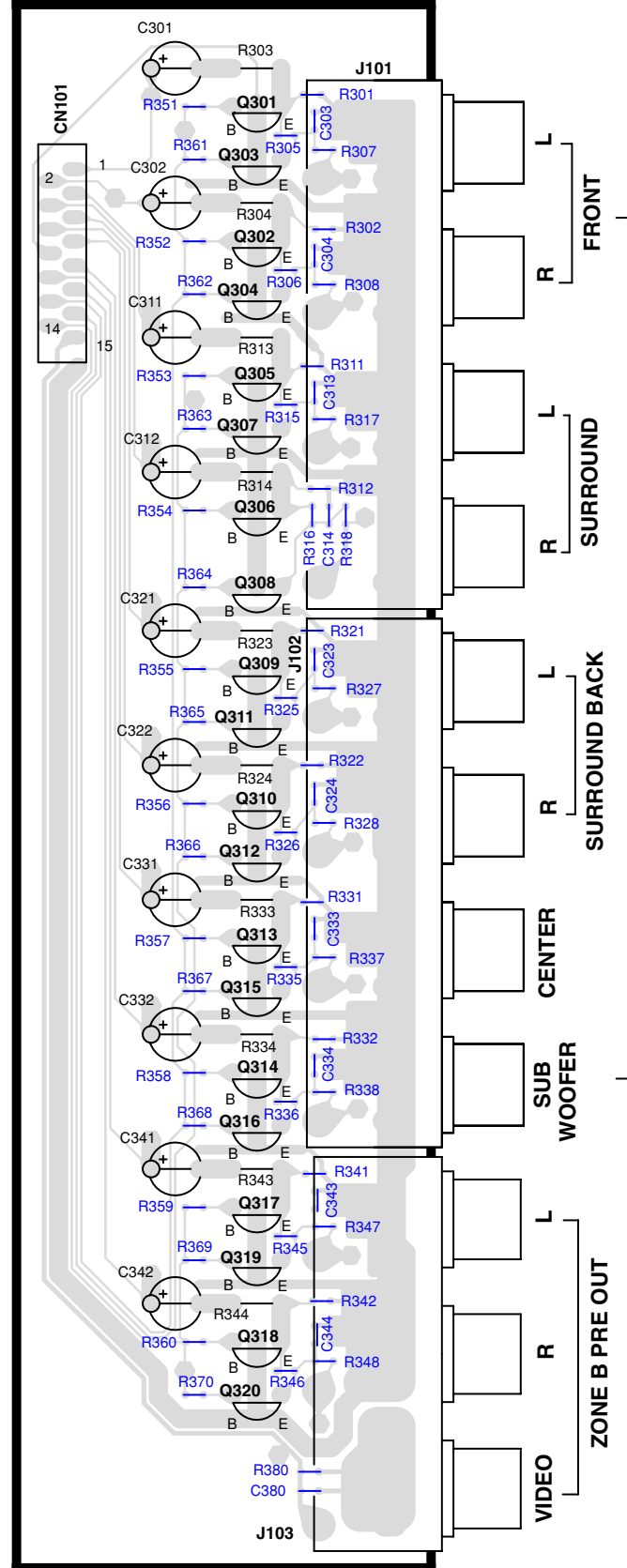
PC BOARD (Component side view)



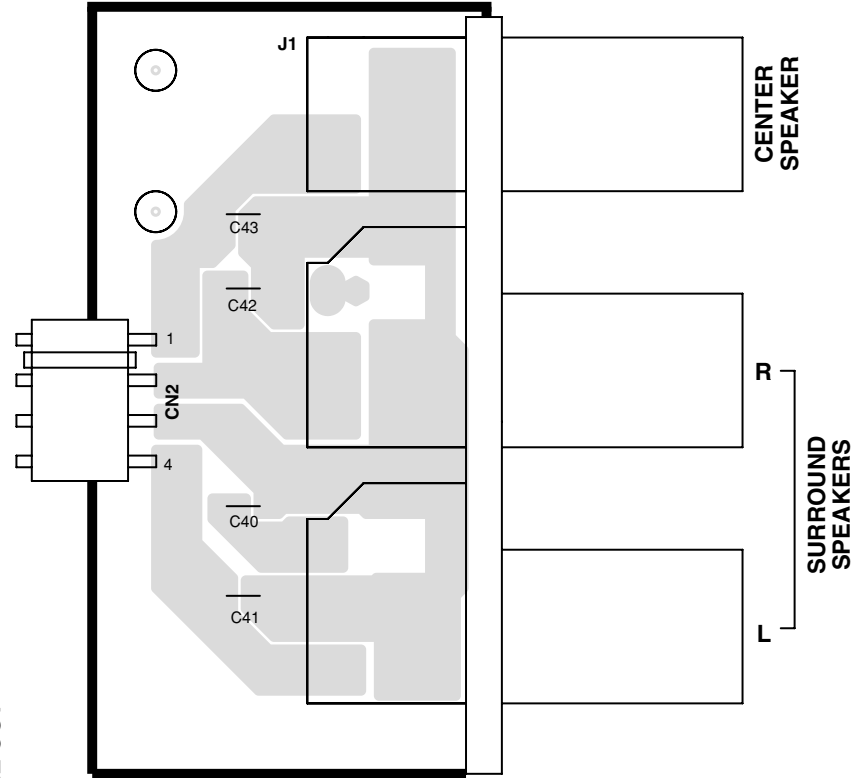
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (Component side view)

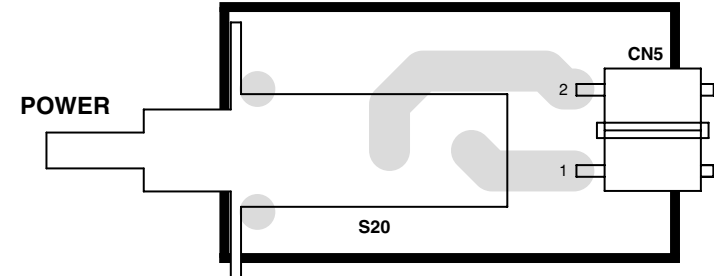
X25 C/11



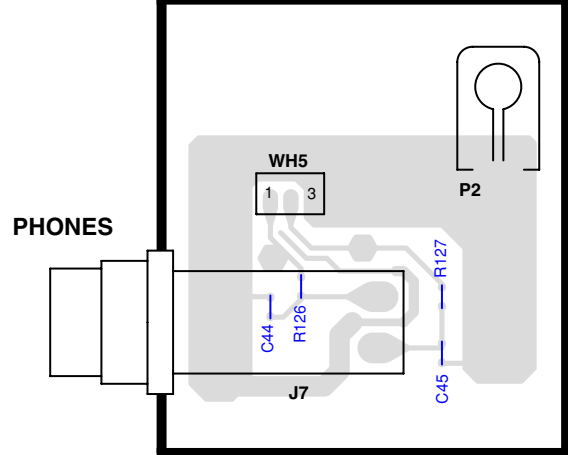
X25 J/11



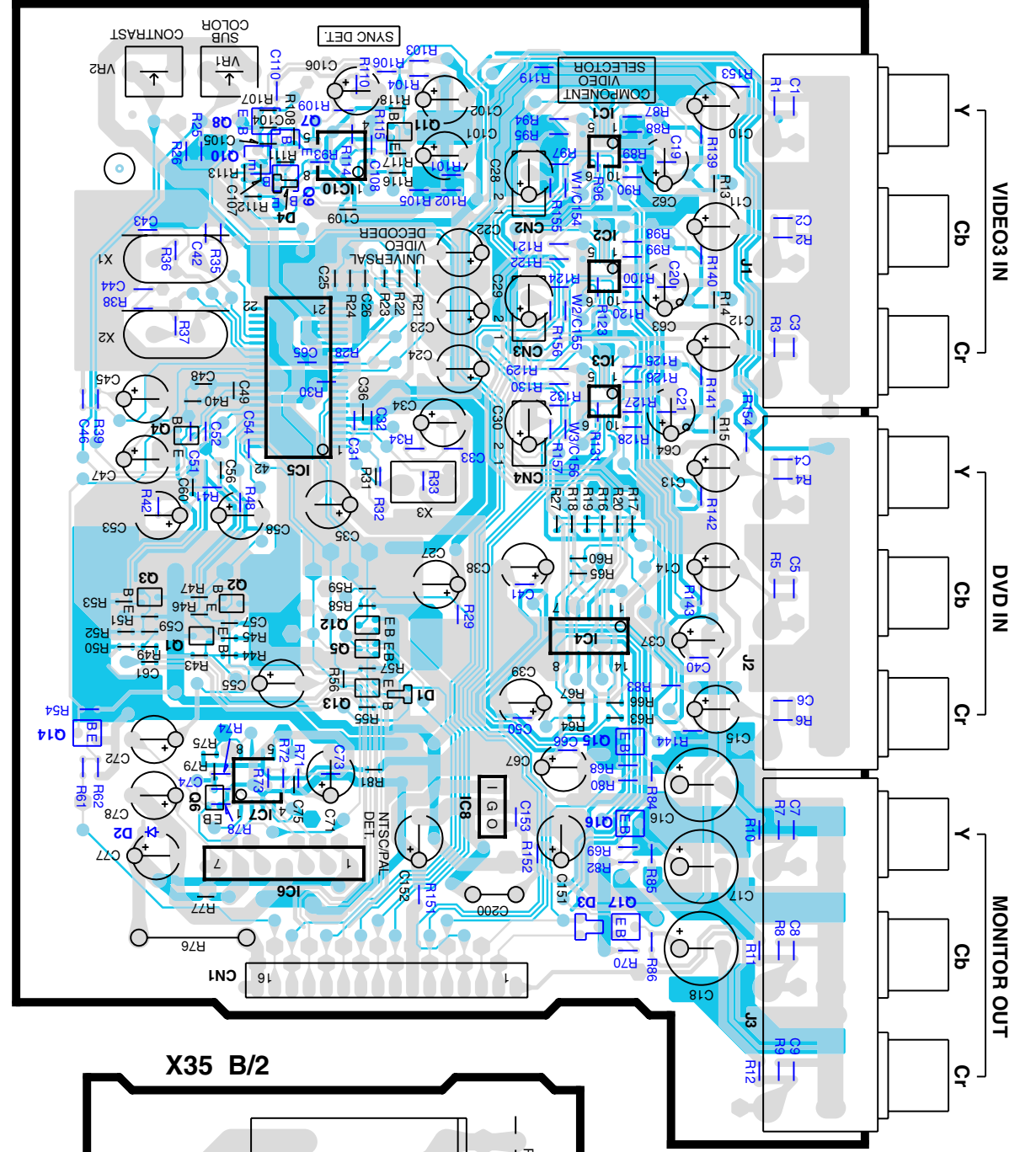
X25 G/11



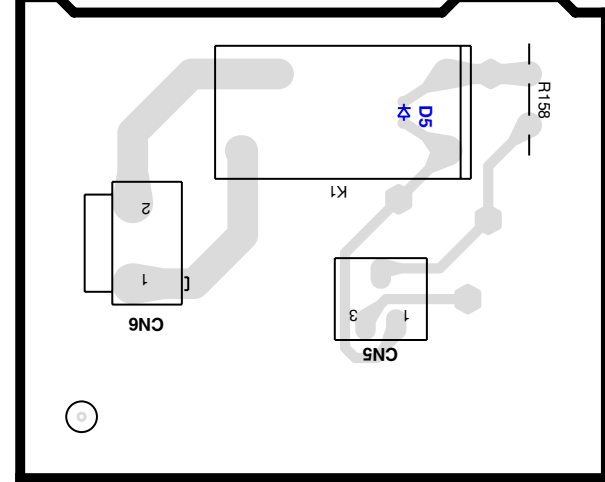
X25 F/11



X35-2260-10 A/2 (J70-1475-11)

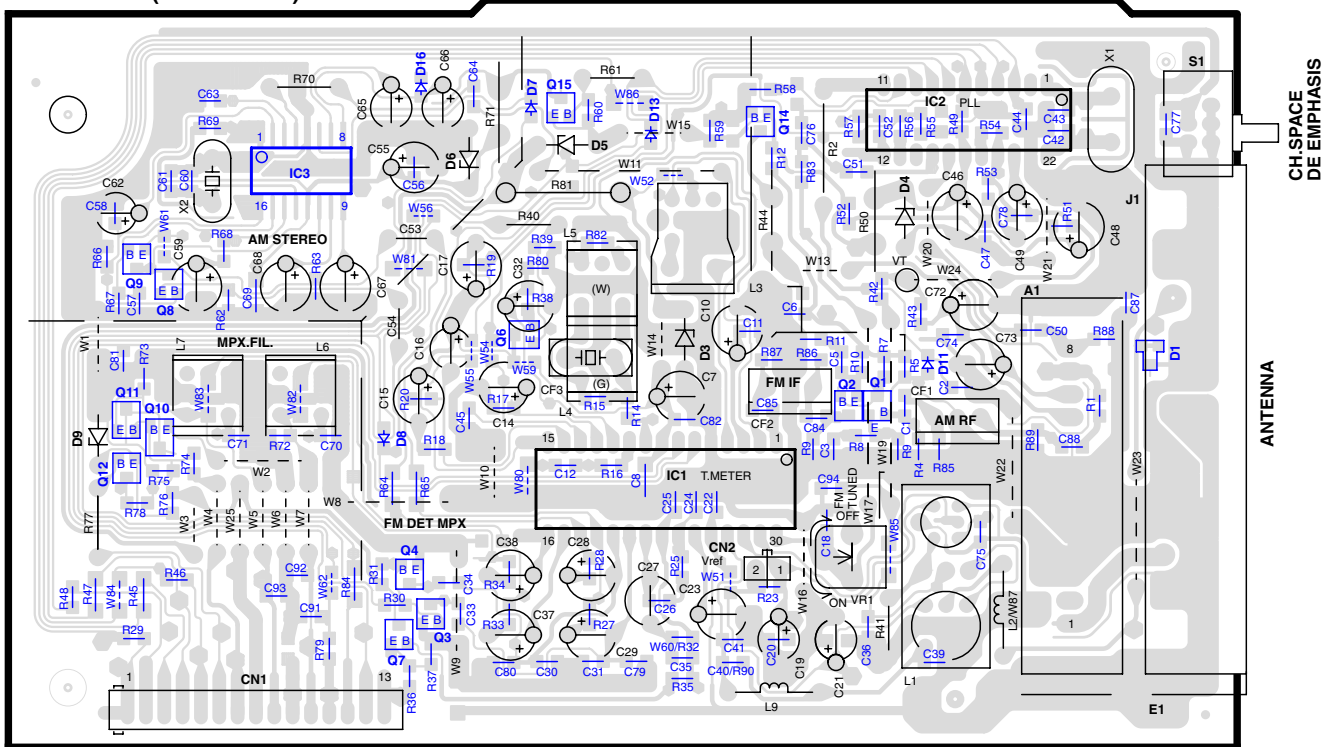


X35 B/2

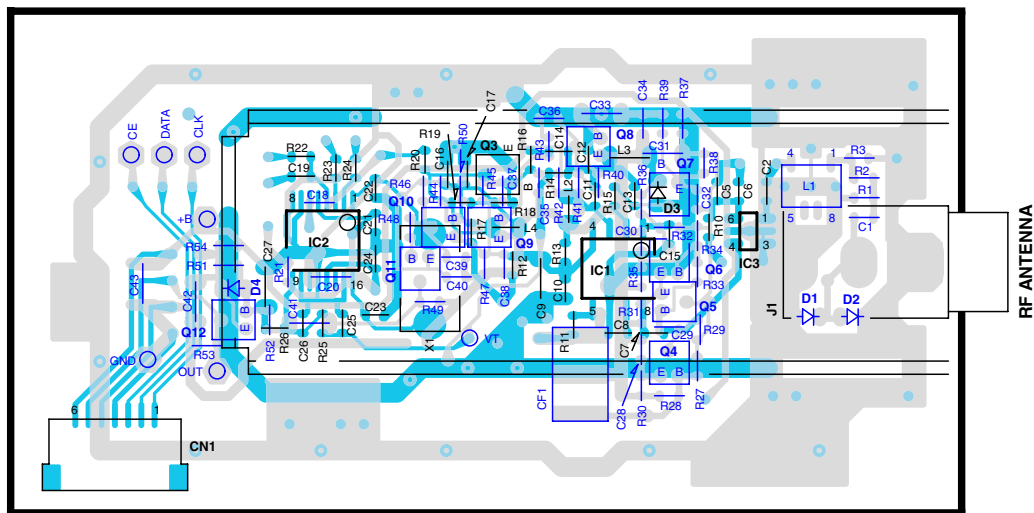


PC BOARD (Component side view)

X05-5130-13 (J70-1381-11)

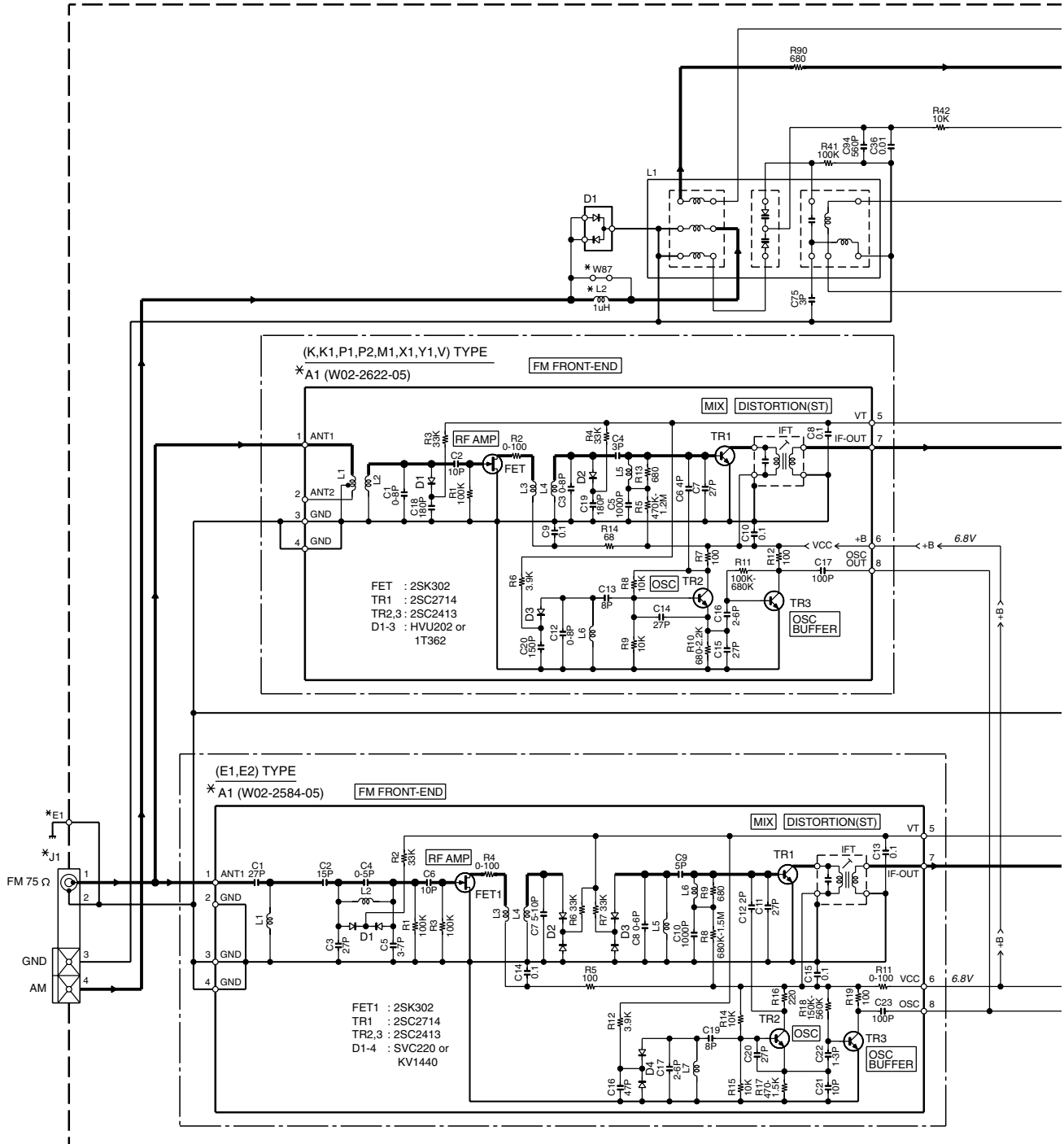


X05-5100-11 (J70-1411-32)



Refer to the schematic diagram for the value of resistors and capacitors.

TUNER UNIT (X05-51XX-XX)



VR-5080/5090 (X05-5130-13)

| DESTINATION | COUNTRY | ABB. | UNIT No. | A | B | C | F | E1 | J1 | L2, 6,7 | R8, 11 | R23 | R25 | R27, 28 | R29 | R72, 73 | S1 | W56 | W82, 83,87 | | | | | | | | |
|-------------|---------|------|----------|----|---|---|---|----------|------|---------|--------|-----|-------|---------------|----------|----------|----|-----|------------|-----|------|----|-----|----|----|-----|--|
| U.S.A. | K,K1 | | 0-13 | NO | | | | W02-2622 | 180P | 0.033 | NO | YES | 1000P | L72-0596(MS2) | F10-1108 | E70-0141 | NO | 33 | 4.7K | 18K | 6.8K | NO | 33K | NO | NO | YES | |
| CANADA | P1,P2 | | | | | | | | | | | | | | | | | | | | | | | | | | |

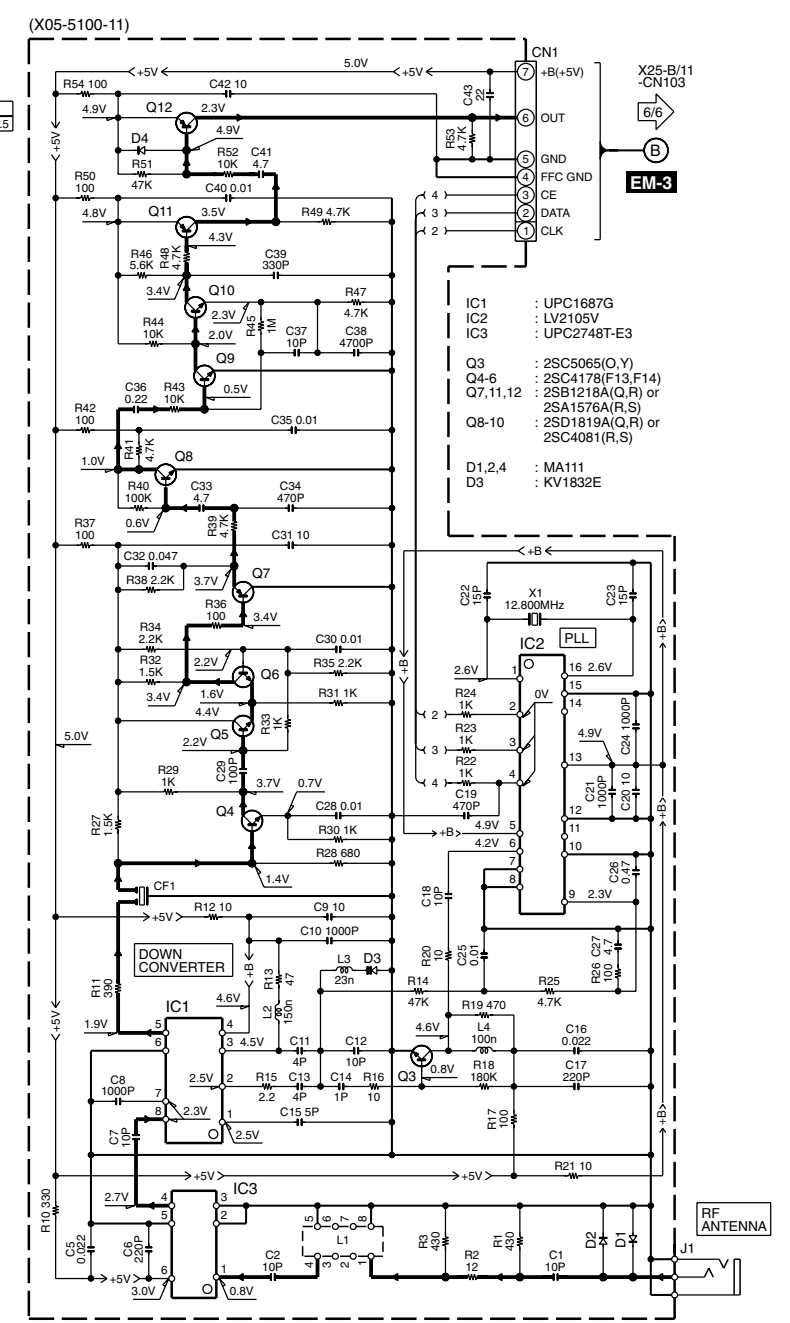
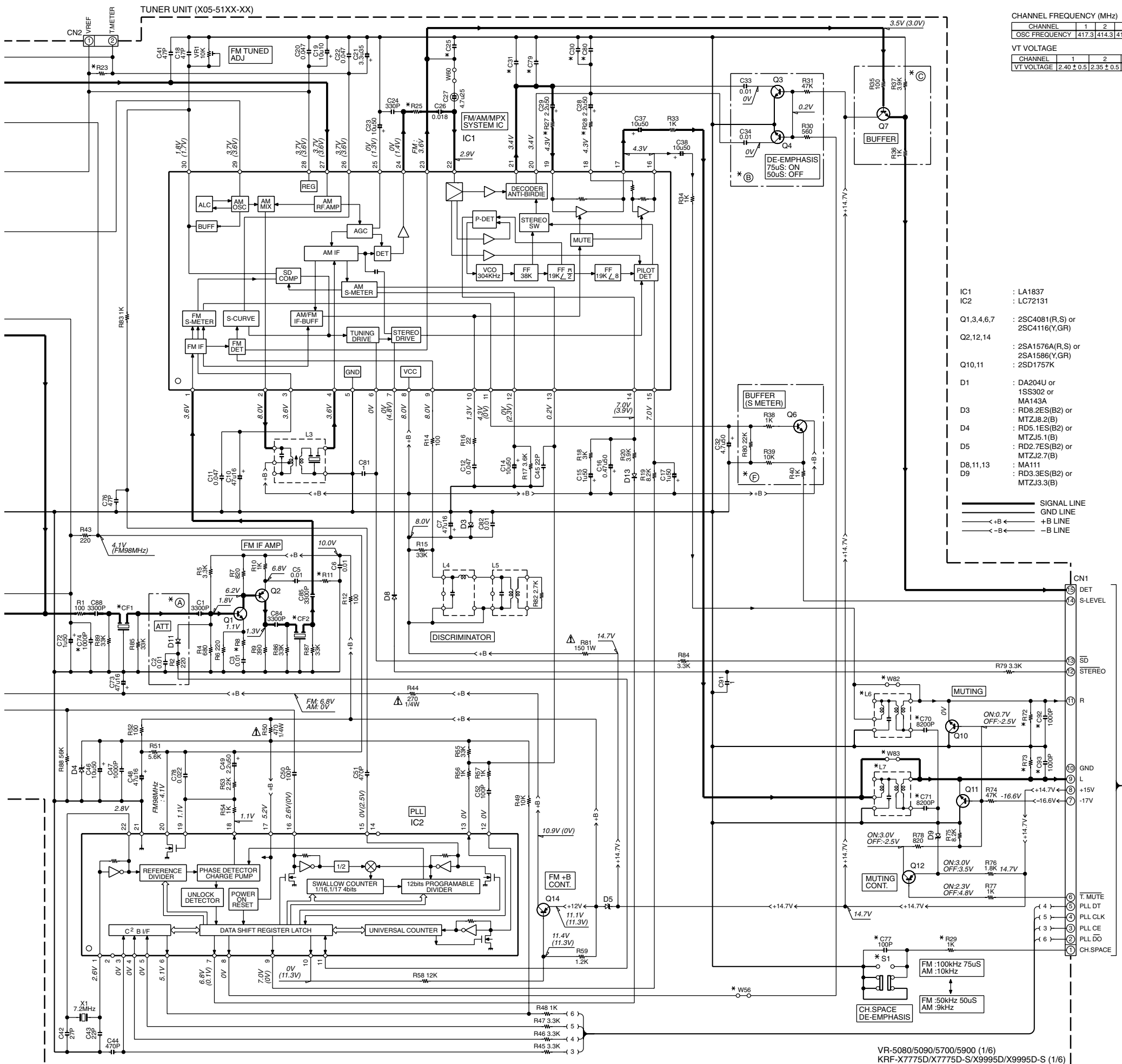
KRF-X7775D (X05-5132-71)

| DESTINATION | COUNTRY | ABB. | UNIT No. | A | C | F | E | A1 | C25 | C30, 31 | C70, 71, 77, 78,82 | C74, 77, 92,93 | C79, 80 | CF1,2 | E1 | J1 | L2, 6,7 | R8 | R11 | R23 | R25 | R27, 28 | R29 | R72, 73 | S1 | W56 | W82, 83,87 | |
|-------------|---------|------|----------|-----|----|---|---|----------|------|---------|--------------------|----------------|---------|---------------|----------|----------|---------|----|-----|-----|-----|---------|-----|---------|------|-----|------------|----|
| EUROPE | E1 | | 2-71 | YES | NO | | | W02-2584 | 180P | 0.022 | YES | NO | 4700P | L72-0536(MS3) | F10-1109 | E70-0080 | YES | 10 | 22 | 15K | 27K | 4.3K | NO | NO | 3.9K | NO | NO | NO |

KRF-X7775D-S (X05-51XX-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | A | C | F | E | A1 | C25 | C30, 31 | C70, 71, 77, 78,82 | C74, 77, 92,93 | C77 | C79, 80 | CF1,2 | E1 | J1 | L2, 6,7 | R8 | R11 | R23 | R25 | R27, 28 | R29 | R72, 73 | S1 | W56 | W82, 83,87 | |
|----------------|---------|------|----------|-----|-----|---|---|----------|------|---------|--------------------|----------------|-----|---------|---------------|----------|----------|---------|----|-----|------|------|---------|-----|---------|-----|-----|------------|--|
| SHANGHAI | V | | 42-10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL MARKET | M1 | | 30-21 | NO | YES | | | W02-2622 | 330P | 0.022 | NO | YES | YES | 1500P | L72-0531(MA5) | F10-1108 | E70-0080 | NO | 33 | 33 | 4.7K | 18K | 6.8K | YES | 33K | YES | YES | YES | |
| AUSTRALIA | X1 | | 30-71 | | | | | | | | | | | 1200P | | | | | | | | 6.8K | | | | | | | |
| EUROPE | E2 | | 32-71 | YES | NO | | | W02-2584 | 180P | | YES | NO | NO | 4700P | L72-0536(MS3) | F10-1109 | | YES | 10 | 22 | 15K | 27K | 4.3K | NO | 3.9K | NO | NO | NO | |

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



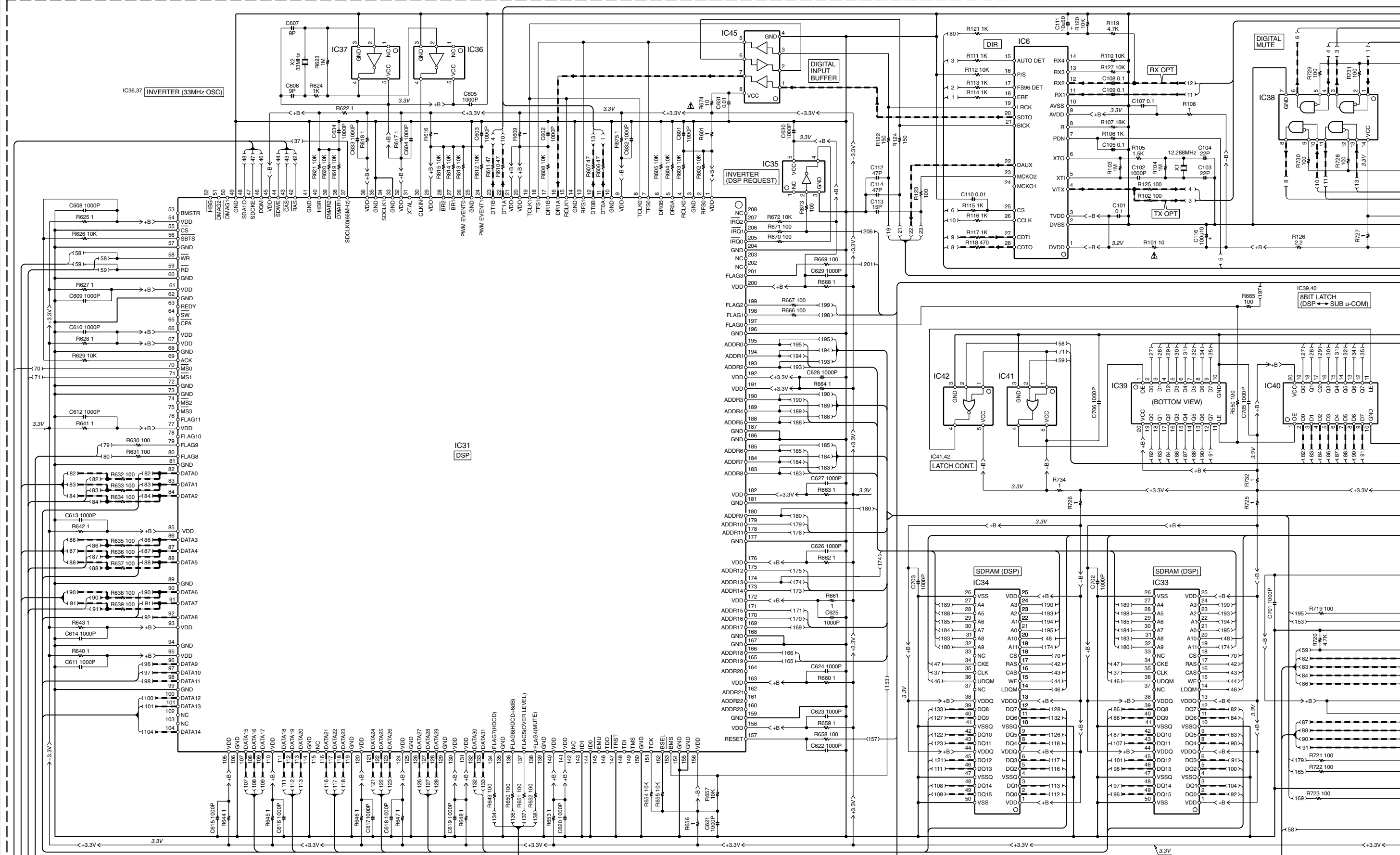
The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

| MODE | CARRIER | MODULATION | | ANT INPUT |
|------|--------------|------------|------------------------------|-----------|
| | | FREQUENCY | DEVIATION | |
| FM | 98MHz | 1kHz | STEREO 67.5kHz 7.5kHz(Pilot) | 60dB |
| AM | 1000(999)kHz | 400Hz | MONO 30% MOD | 60dB |

VR-5080/5090/5700/5900 (1/6)
 KRF-X7775D/X7775D-S/X9995D/X9995D-S (1/6)

Y05-4210-10

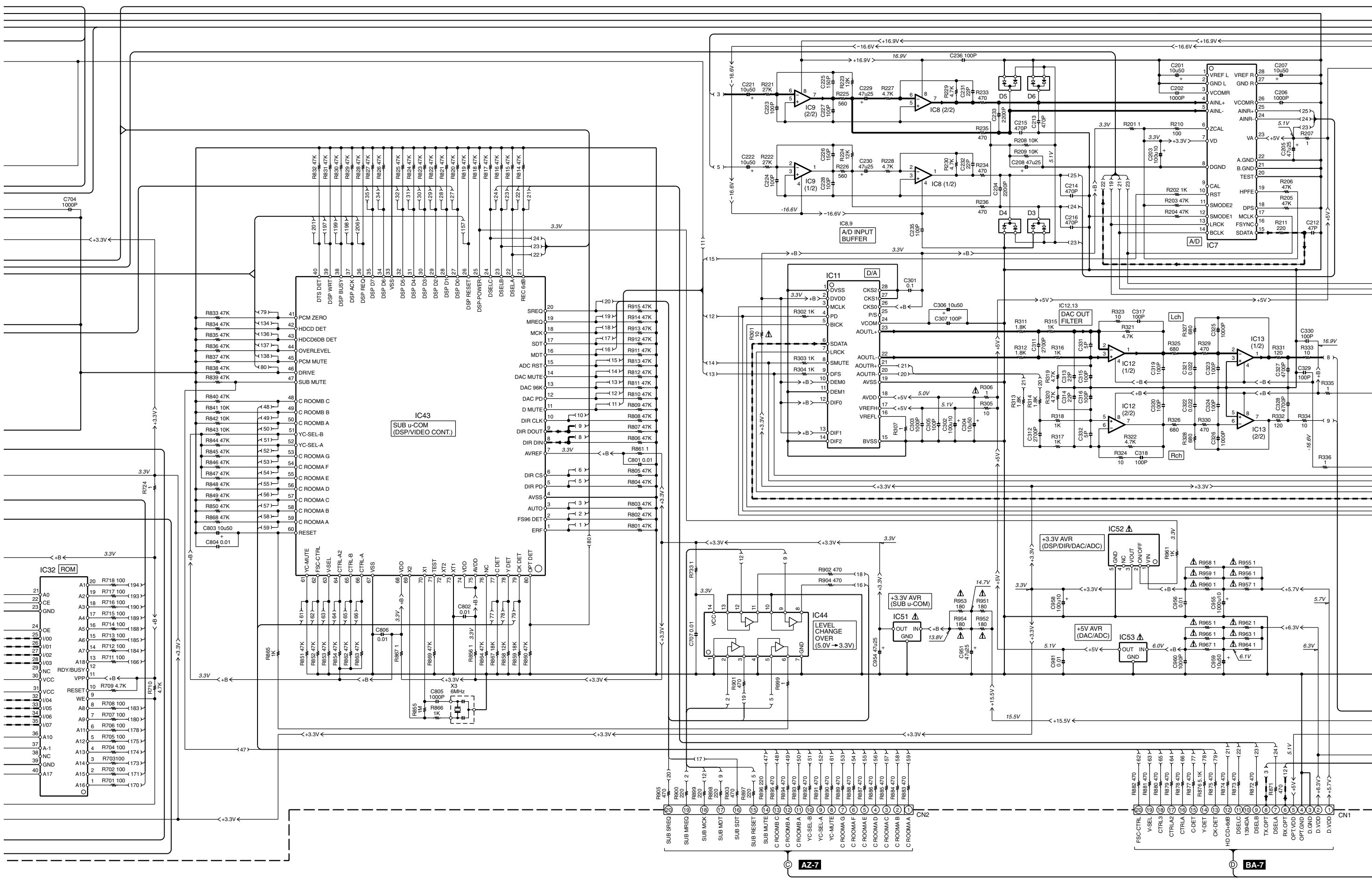
KENWOOD



The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

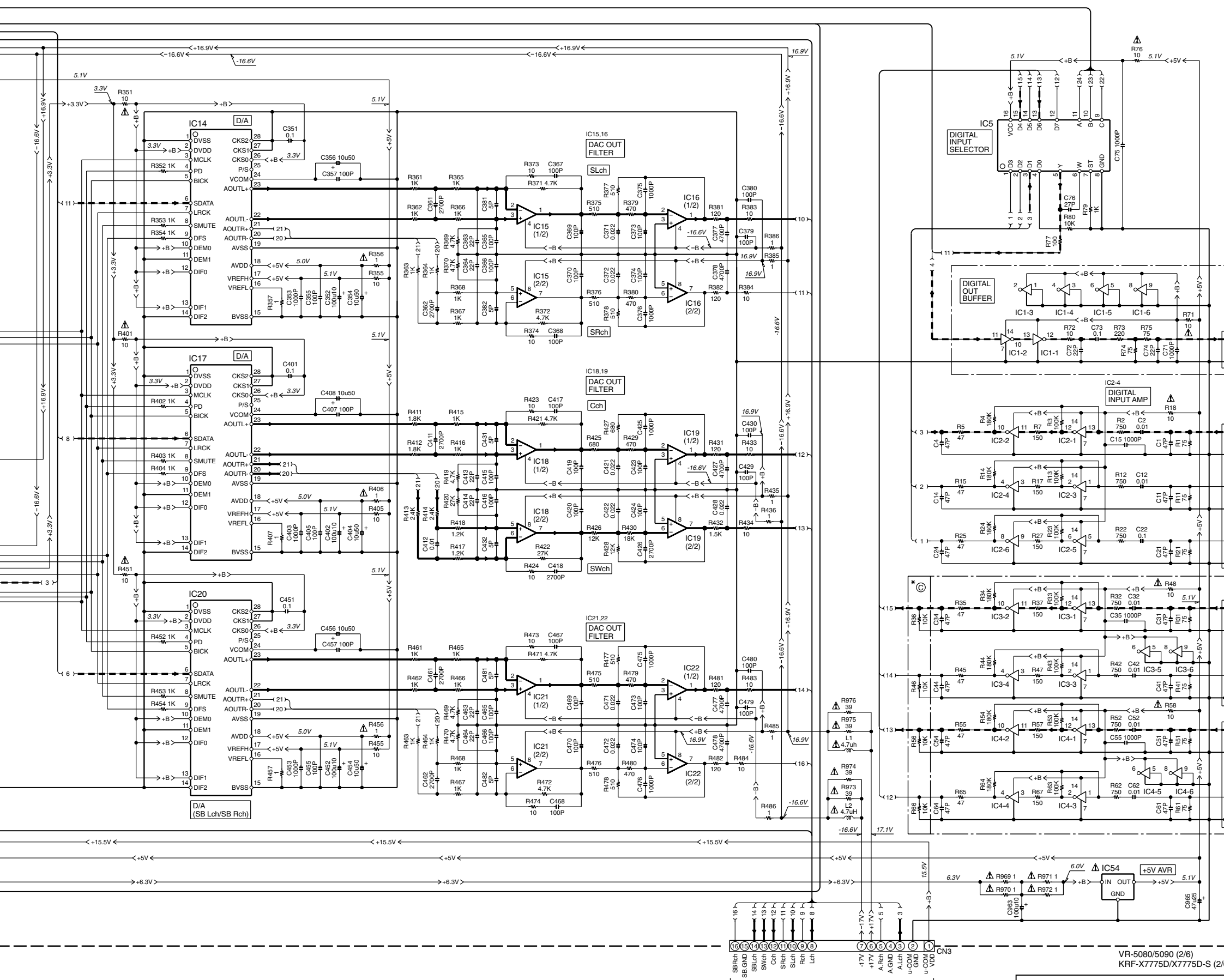
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(X08-3XXX-XX)



AZ-7

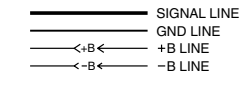
BA-7



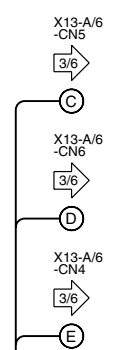
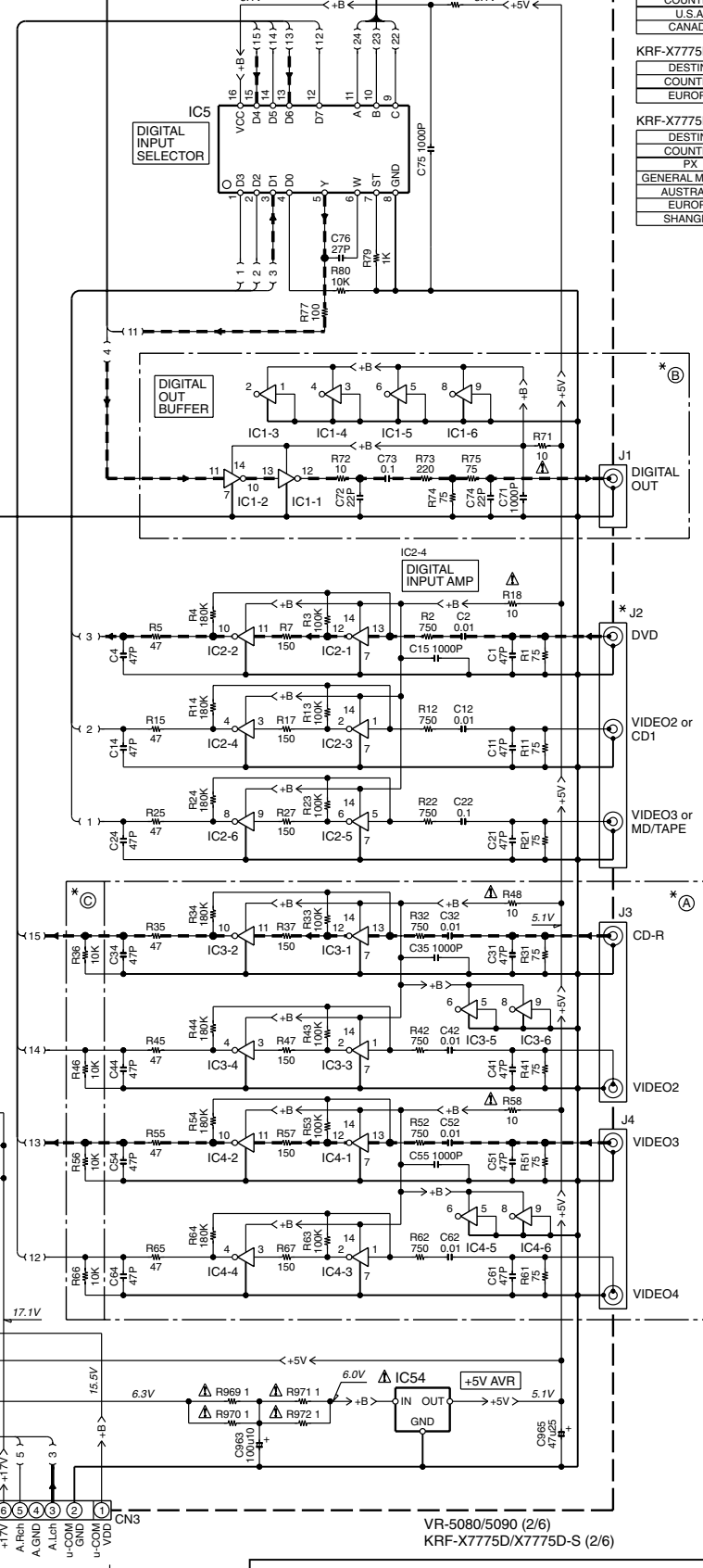
| | | | | | | |
|----------------------------|----------|--------|-----|-----|-------------|--|
| VR-5080 (X08-3890-10) | | | | | | |
| DESTINATION | UNIT No. | (A) | (B) | (C) | J2 | |
| COUNTRY | ABB. | | | | | |
| U.S.A. | K | 0-10 | NO | YES | E63-1129-05 | |
| CANADA | P1 | | | | | |
| VR-5090 (X08-3090-11) | | | | | | |
| DESTINATION | UNIT No. | (A) | (B) | (C) | J2 | |
| COUNTRY | ABB. | | | | | |
| U.S.A. | K1 | 0-11 | YES | NO | E63-1130-05 | |
| CANADA | P2 | | | | | |
| KRF-X7775D (X08-3090-XX) | | | | | | |
| DESTINATION | UNIT No. | (A) | (B) | (C) | J2 | |
| COUNTRY | ABB. | | | | | |
| EUROPE | E1 | 0-10 | NO | YES | E63-1129-05 | |
| KRF-X7775D-S (X08-3XXX-10) | | | | | | |
| DESTINATION | UNIT No. | (A) | (B) | (C) | J2 | |
| COUNTRY | ABB. | | | | | |
| FX | Y1 | | | | | |
| GENERAL MARKET | M1 | 090-10 | NO | YES | E63-1129-05 | |
| AUSTRALIA | X1 | | | | | |
| EUROPE | E2 | | | | | |
| SHANGHAI | V | 102-10 | | | | |

- IC1-4 : TC74HC04AF
- IC5 : TC74HC151AF
- IC6 : AK4112BVF
- IC7 : AK5383VF
- IC8,9,12,13,15,16,18,19,21,22 : NJM4565MD
- IC11,14,17,20 : AK4393VF or AK4393-VF
- IC31 : ADSST-A-3525
- IC32 : 49B7008A1ALA
- IC33,34 : HY57V16160DTC
- IC35 : TC7S04F
- IC36,37 : TC7SHU04FU
- IC38 : TC74HC08AF
- IC39,40 : TC74LVX573F
- IC41 : TC7SH32F
- IC42 : TC7SH02F
- IC43 : uPD784224K507
- IC44 : TC74VHC125F
- IC45 : TC7WH34FK
- IC51 : uPC29L33T
- IC52 : PQ3D213
- IC53,54 : uPC29M05T

D3-6 : DA204U or 1SS302



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



VR-5080/5090 (2/6)
KRF-X7775D/X7775D-S (2/6)

BL-3

KRF-X7775D/X7775D-S/VR-5080/5090

Y05-4210-10

KENWOOD

X05-513/514
CN1

A

X08-CN3
2/6

E

EB-3

F

WH2

IC1 : TA7805TS
IC2 : S-80740AL-A4 or S-80840ALUP
IC3 : UPD784217A516
IC4 : TC74HCT7007AF
IC5 : TC74HC164AF
IC6 : UPD17215GT-737
IC7 : LC72723M

Q1,35,37,43,46,52 : 2SC4081(R,S) or 2SC4116(Y,GR)
Q2,16,61 : DTC124EUA or UN5212
Q3,5,7,9,11,13 : DTA113ZUA or UN5119
Q4,6,8,10,12,14 : DTC143TUA or UN5216
Q15,18,62 : DTA143TUA or UN5116
Q17 : 2SC3940A(R,S)
Q19 : 2SC4213(B)
Q31,32 : 2SK246(Y,GR)
Q33,34,41,42,45 : 2SB1375
Q36,38 : 2SA1576A(R,S) or 2SA1586(Y,GR)
Q51 : 2SD2012

D1,3,27-29 : U1BC44
D2,4-6,11,23,36,37,43-45,63 : MA111
D7,9,35,38 : DAN202U or 1SS301
D8,10,41,42 : DAP202U or 1SS300
D30 : UDZ55.6B or UDZ5.6B
D51 : S1ZB20(4072)
D52 : UDZ58.2B or UDZ28.2B
D53 : UDZ57.5B or UDZ7.5B
D61 : D4SBL20UF03
D62 : UDZ56.2B or UDZ6.2B
D71 : KBP02ML-6127
D72 : UDZ16B
D80,81 : DA204U or 1SS302

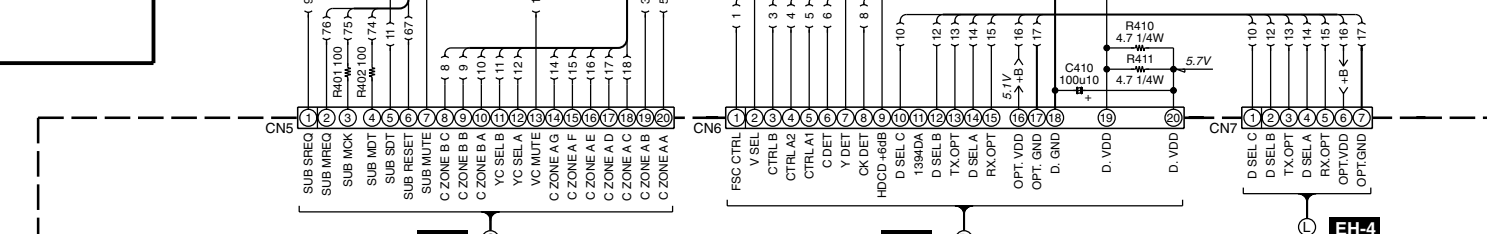
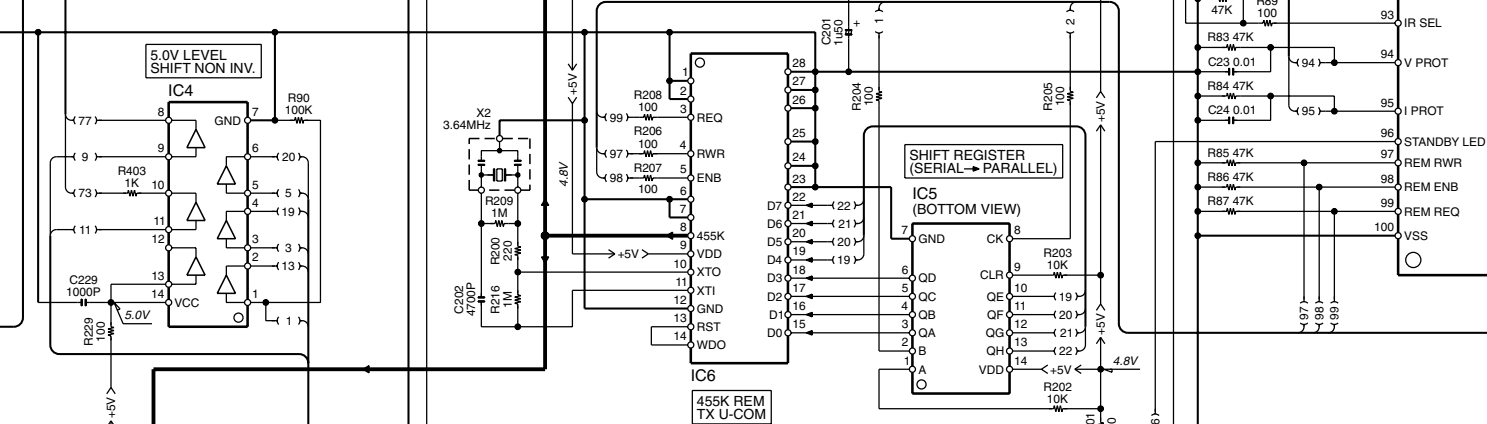
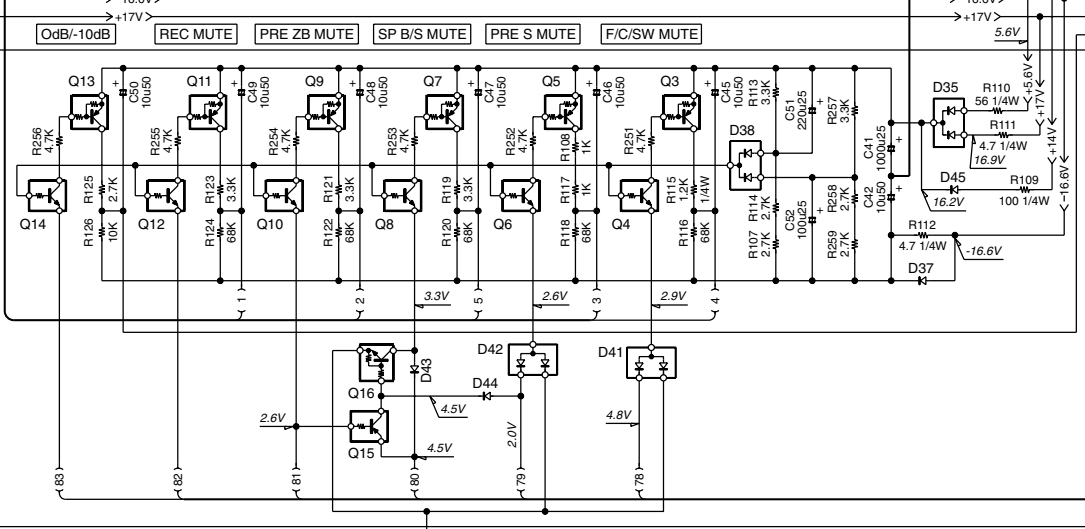
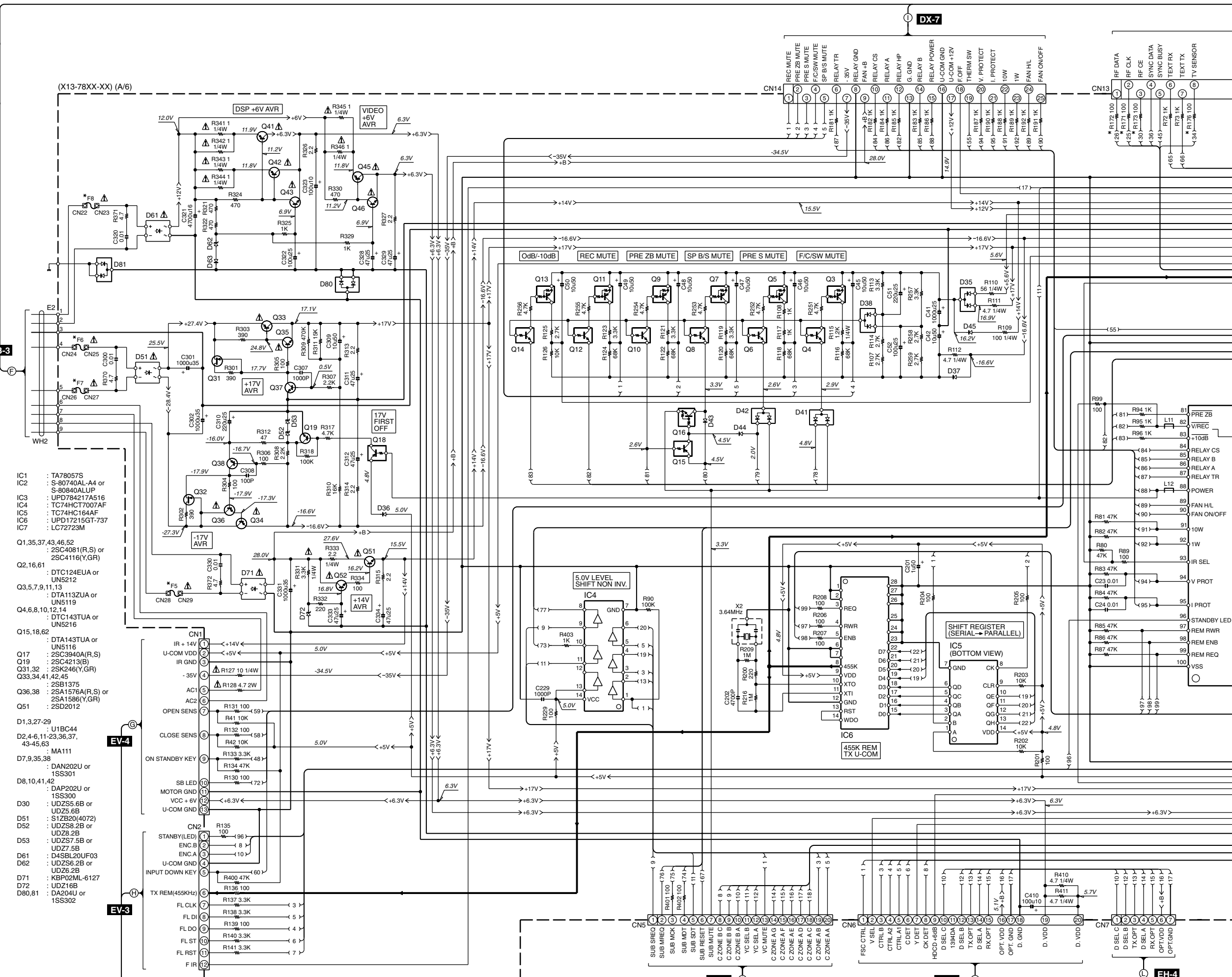
D1,3,27-29 : U1BC44
D2,4-6,11,23,36,37,43-45,63 : MA111
D7,9,35,38 : DAN202U or 1SS301
D8,10,41,42 : DAP202U or 1SS300
D30 : UDZ55.6B or UDZ5.6B
D51 : S1ZB20(4072)
D52 : UDZ58.2B or UDZ28.2B
D53 : UDZ57.5B or UDZ7.5B
D61 : D4SBL20UF03
D62 : UDZ56.2B or UDZ6.2B
D71 : KBP02ML-6127
D72 : UDZ16B
D80,81 : DA204U or 1SS302

X08-CN2
2/6

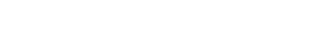
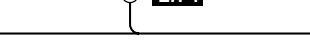
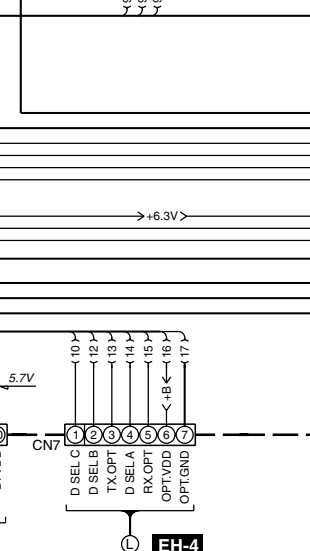
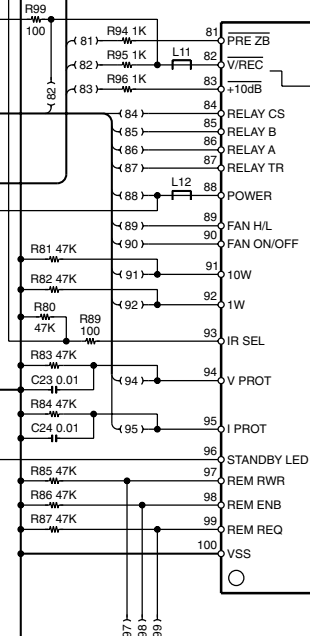
C

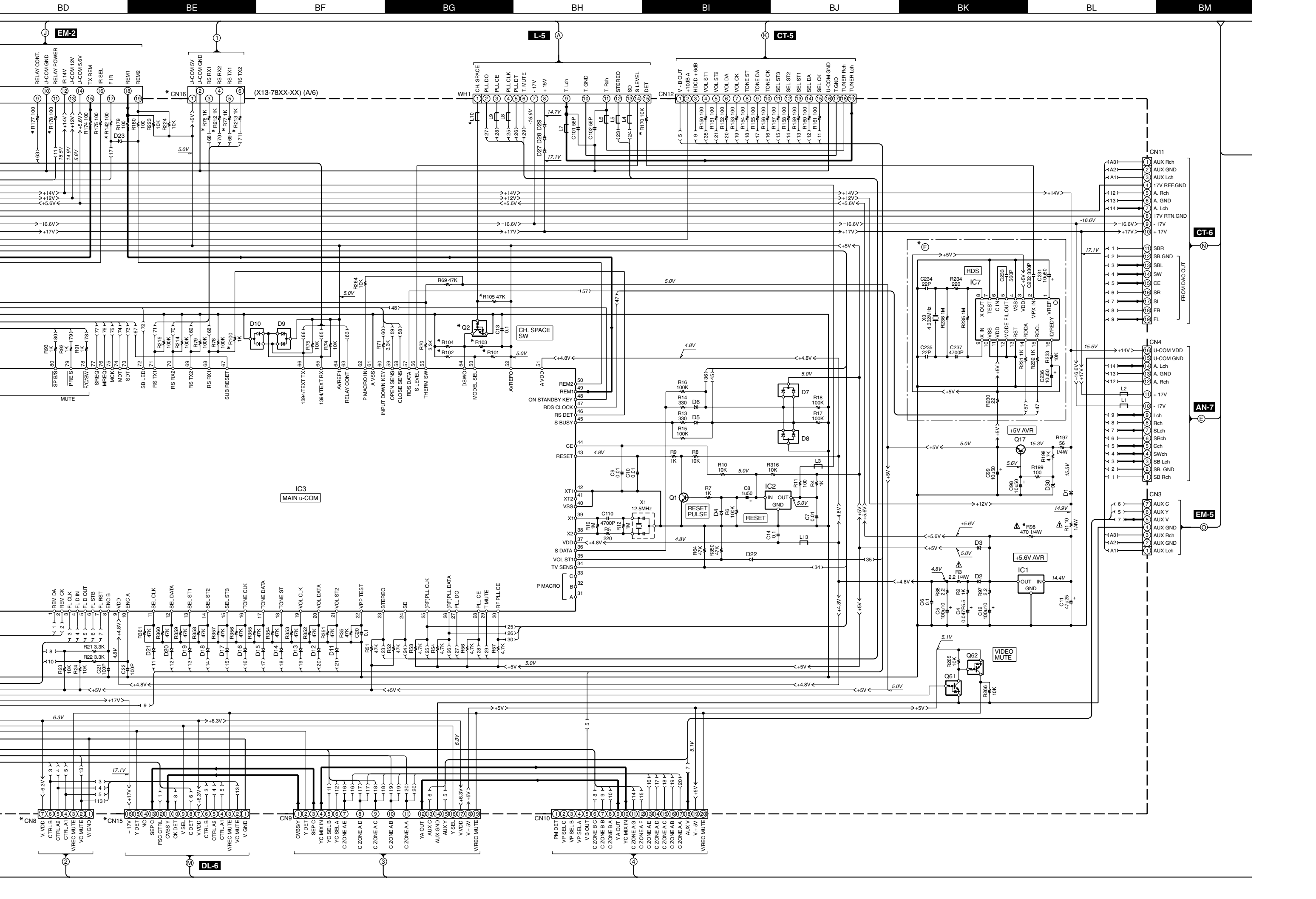
X08-CN1
2/6

D



- IC1 : TA7805TS
IC2 : S-80740AL-A4 or S-80840ALUP
IC3 : UPD784217A516
IC4 : TC74HCT7007AF
IC5 : TC74HC164AF
IC6 : UPD17215GT-737
IC7 : LC72723M
- Q1,35,37,43,46,52 : 2SC4081(R,S) or 2SC4116(Y,GR)
Q2,16,61 : DTC124EUA or UN5212
Q3,5,7,9,11,13 : DTA113ZUA or UN5119
Q4,6,8,10,12,14 : DTC143TUA or UN5216
Q15,18,62 : DTA143TUA or UN5116
Q17 : 2SC3940A(R,S)
Q19 : 2SC4213(B)
Q31,32 : 2SK246(Y,GR)
Q33,34,41,42,45 : 2SB1375
Q36,38 : 2SA1576A(R,S) or 2SA1586(Y,GR)
Q51 : 2SD2012
- D1,3,27-29 : U1BC44
D2,4-6,11,23,36,37,43-45,63 : MA111
D7,9,35,38 : DAN202U or 1SS301
D8,10,41,42 : DAP202U or 1SS300
D30 : UDZ55.6B or UDZ5.6B
D51 : S1ZB20(4072)
D52 : UDZ58.2B or UDZ28.2B
D53 : UDZ57.5B or UDZ7.5B
D61 : D4SBL20UF03
D62 : UDZ56.2B or UDZ6.2B
D71 : KBP02ML-6127
D72 : UDZ16B
D80,81 : DA204U or 1SS302





EM-2

L-5

CT-5

(X13-78XX-XX) (A/6)

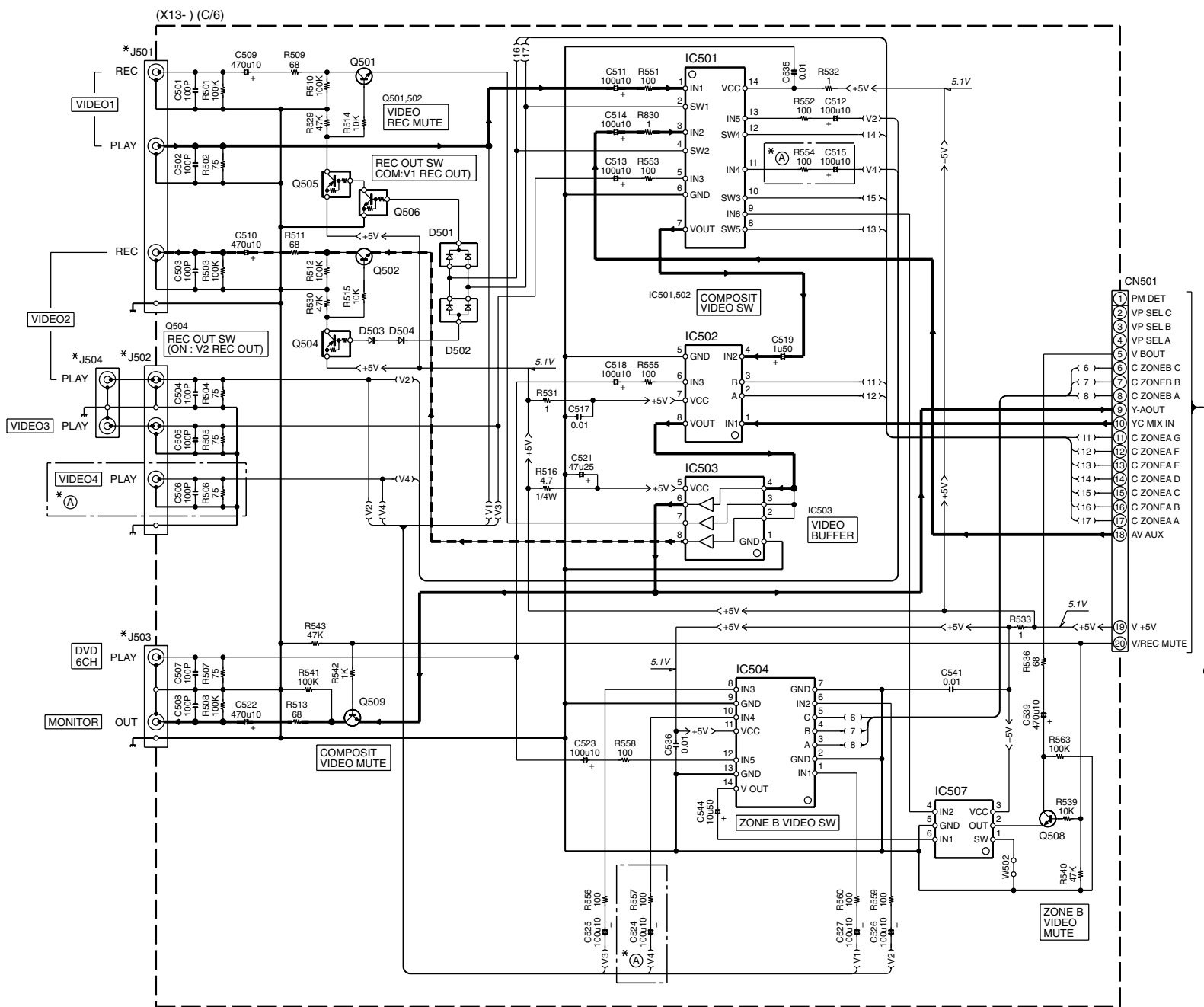
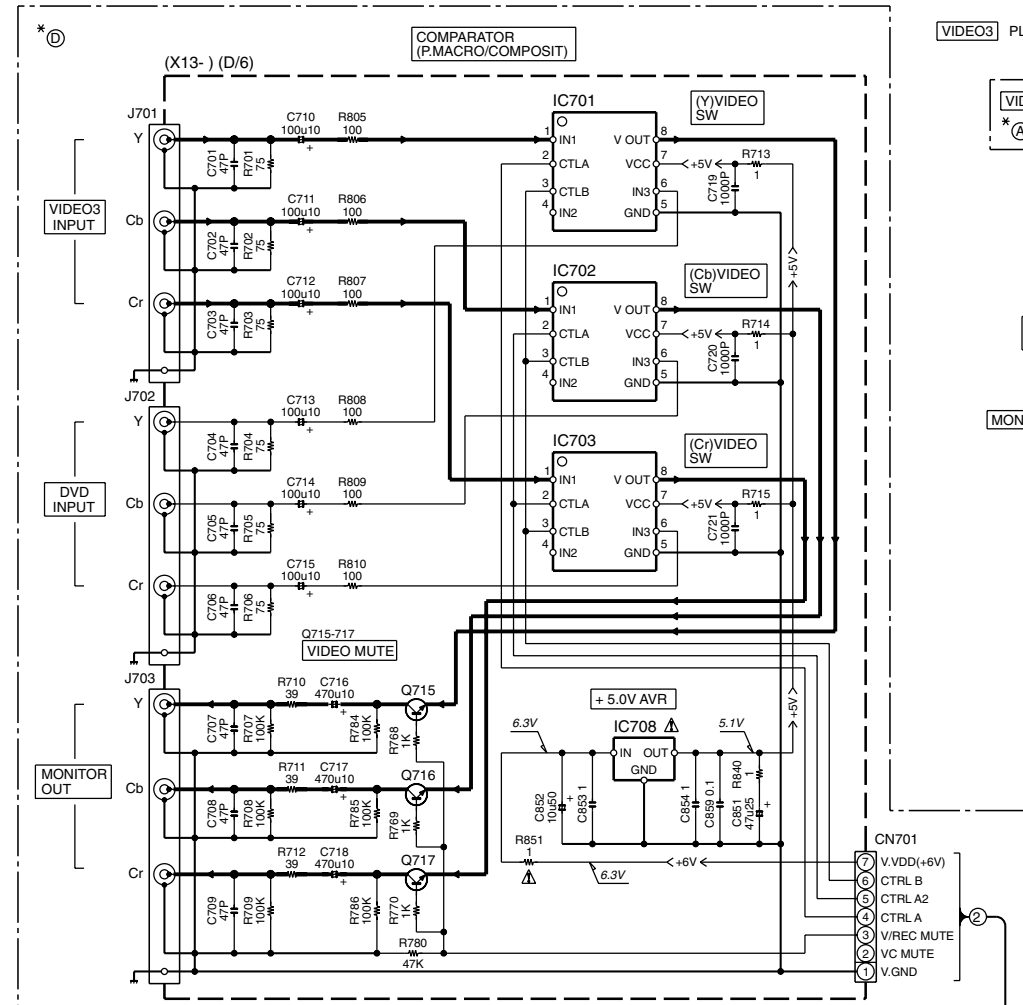
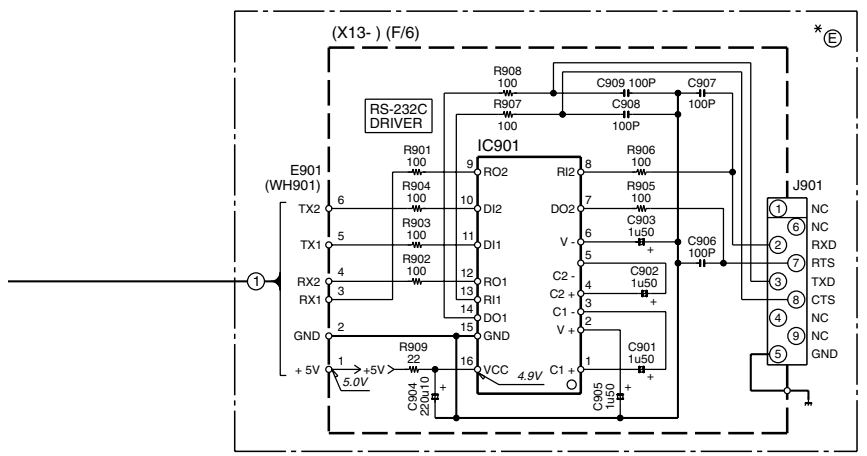
IC3
MAIN u-COM

DL-6

CT-6

AN-7

EM-5



VR-5080 (X13-7840-10) (A/6)

| DESTINATION | COUNTRY | ABB. | UNIT No. | CN8 | CN15 | F5-7 | F8 | L10 | Q2 | R58-63,101,105,142,170,176-178 | R76,77,98,100,171-173,212,213 | R102 | R103 | R104 | |
|-------------|---------|------|----------|-----|------|------|------------|------------|----|--------------------------------|-------------------------------|------|------|------|------|
| U.S.A. | K | | 0-10 | NO | YES | NO | 1.25A 125V | 3.15A 125V | NO | NO | NO | YES | 10K | 6.2K | 4.7K |
| CANADA | P1 | | | | | | | | | | | | | | |

VR-5090 (X13-7840-11) (A/6)

| DESTINATION | COUNTRY | ABB. | UNIT No. | CN8 | CN15 | F5-7 | F8 | L10 | Q2 | R58-63,105,142,170,176-178 | R76,77,98,100,171-173,212,213 | R101 | R102 | R103 | R104 | |
|-------------|---------|------|----------|-----|------|------|------------|------------|----|----------------------------|-------------------------------|------|------|------|------|------|
| U.S.A. | K1 | | 0-11 | NO | NO | YES | 1.25A 125V | 3.15A 125V | NO | NO | NO | YES | 10K | 1.8K | 6.2K | 4.7K |
| CANADA | P2 | | | | | | | | | | | | | | | |

KRF-X7775D (X13-7842-71) (A/6)

| DESTINATION | COUNTRY | ABB. | UNIT No. | CN8 | CN15 | F5-7 | F8 | L10 | Q2 | R58-63,76,77,98,100,105,212,213 | R101 | R102 | R103 | R104 | R142,170-173,176-178 | |
|-------------|---------|------|----------|-----|------|------|-----------|--------------|----|---------------------------------|------|------|------|------|----------------------|-----|
| EUROPE | E1 | | 2-71 | YES | YES | NO | T1AL 250V | T3.15AL 250V | NO | NO | NO | 3.3K | 8.2K | 2.2K | 2.2K | YES |

KRF-X7775D-S (X13-78XX-XX) (A/6)

| DESTINATION | COUNTRY | ABB. | UNIT No. | CN8 | CN15 | F5-7 | F8 | L10 | Q2 | R58-63,76,77,98,100,212,213 | R101 | R102 | R103 | R104 | R105 | R142,170-173 |
|----------------|---------|------|----------|-----|------|------|-----------|--------------|-----|-----------------------------|------|------|------|------|------|--------------|
| FX | Y1 | | 42-91 | | | | | | | | | | | | | YES |
| GENERAL MARKET | M1 | | 40-21 | NO | | | | YES | YES | | | | | | | NO |
| AUSTRALIA | X1 | | 40-71 | | YES | NO | T1AL 250V | T3.15AL 250V | | NO | 10K | NO | 10K | NO | NO | NO |
| EUROPE | E2 | | 42-71 | YES | | | | | | | 3.3K | 8.2K | 2.2K | 2.2K | | YES |
| SHANGHI | V | | 52-10 | NO | | | | | | YES | YES | | | | | YES |

VR-5080 (X13-7840-10)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (C) | (E) | (D) | C640,645,646,651,652 | J501 | J502,602 | J503,504 | J601 | J603,604 | L601 | R643,644,659-662 |
|-------------|---------|------|----------|-----|-----|-----|-----|----------------------|-------------|----------|-------------|-------------|-------------|------|------------------|
| U.S.A. | K | | | | | | | NO | E63-1021-05 | NO | E63-1020-05 | E56-0029-05 | E56-0027-05 | NO | NO |
| CANADA | P1 | | 0-10 | NO | YES | | | NO | | | | | | | |

VR-5090 (X13-7840-11)

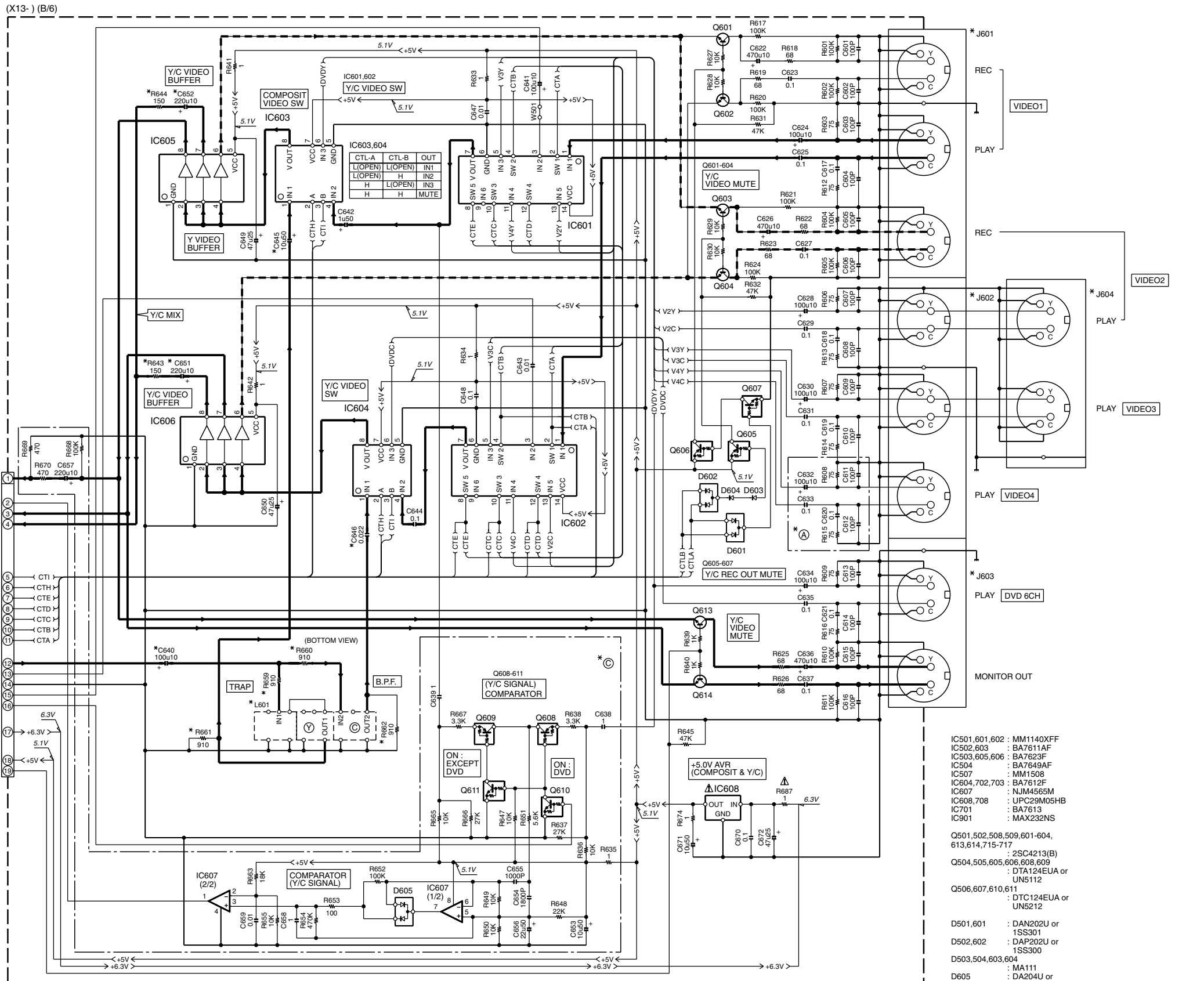
| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (C) | (E) | (D) | C640,645,646,651,652 | J501 | J502,602 | J503,504 | J601 | J603,604 | L601 | R643,644,659-662 |
|-------------|---------|------|----------|-----|-----|-----|-----|----------------------|-------------|----------|-------------|------|-------------|-------------|------------------|
| U.S.A. | K1 | | | YES | NO | | | YES | E63-1125-05 | YES | E63-1123-05 | NO | E56-0030-05 | E56-0028-05 | YES |
| CANADA | P2 | | 0-11 | YES | NO | | | YES | | | | | | | YES |

KRF-X7775D (X13-7842-71)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (E) | (C) | (D) | C640,645,646,651,652 | J501 | J502,602 | J503,504 | J601 | J603,604 | L601 | R643,644,659-662 |
|-------------|---------|------|----------|-----|-----|-----|-----|----------------------|-------------|----------|-------------|-------------|-------------|------|------------------|
| EUROPE | E1 | | 2-71 | NO | NO | YES | | NO | E63-1021-05 | NO | E63-1020-05 | E56-0029-05 | E56-0027-05 | NO | NO |

KRF-X7775D-S (X13-78XX-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | (A) | (C) | (E) | (D) | C640,645,646,651,652 | J501 | J502,602 | J503,504 | J601 | J603,604 | L601 | R643,644,659-662 |
|----------------|---------|------|----------|-----|-----|-----|-----|----------------------|-------------|----------|-------------|-------------|-------------|------|------------------|
| FX | Y1 | | 42-91 | | | | | NO | E63-1021-05 | NO | E63-1020-05 | E56-0029-05 | E56-0027-05 | NO | NO |
| GENERAL MARKET | M1 | | 40-21 | | | | | NO | | | | | | | |
| AUSTRALIA | X1 | | 40-71 | | NO | YES | | NO | | | | | | | |
| EUROPE | E2 | | 42-71 | | | | | NO | | | | | | | |
| SHANGHI | V | | 52-10 | | | | | NO | | | | | | | |



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

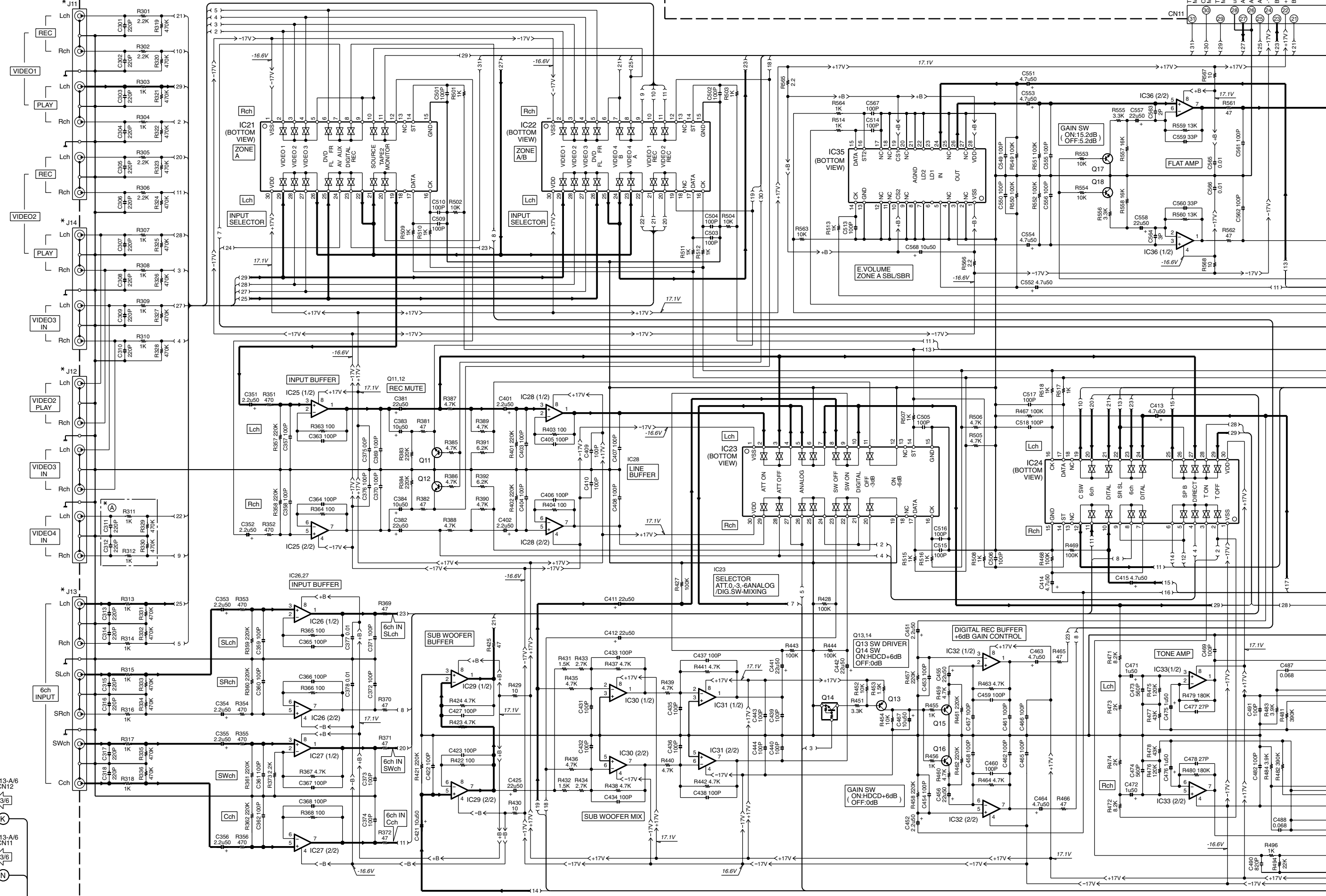
VR-5080/5090 (3/6)
KRF-X7775D/X7775D-S (3/6)

KRF-X7775D/X7775D-S/VR-5080/5090

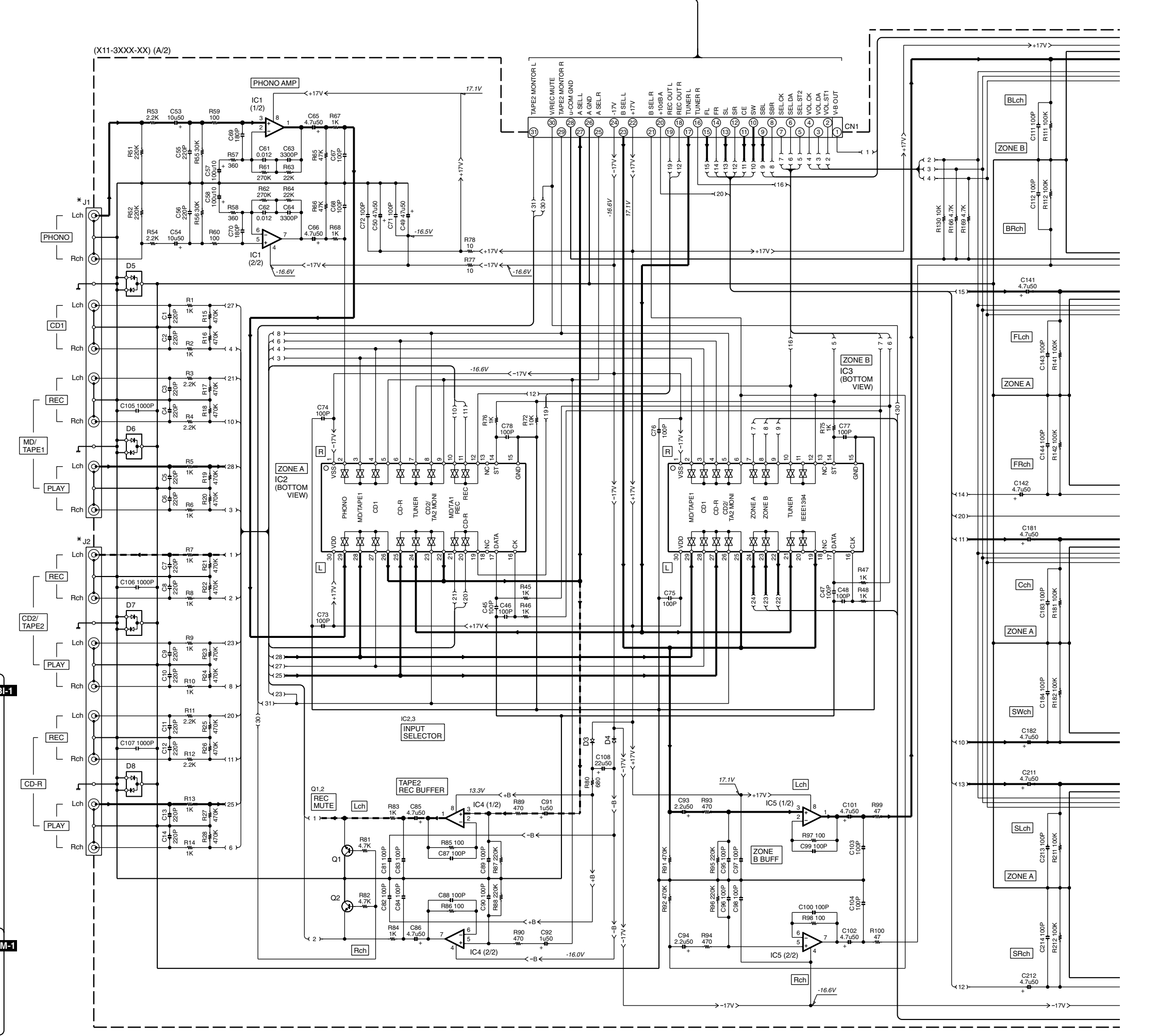
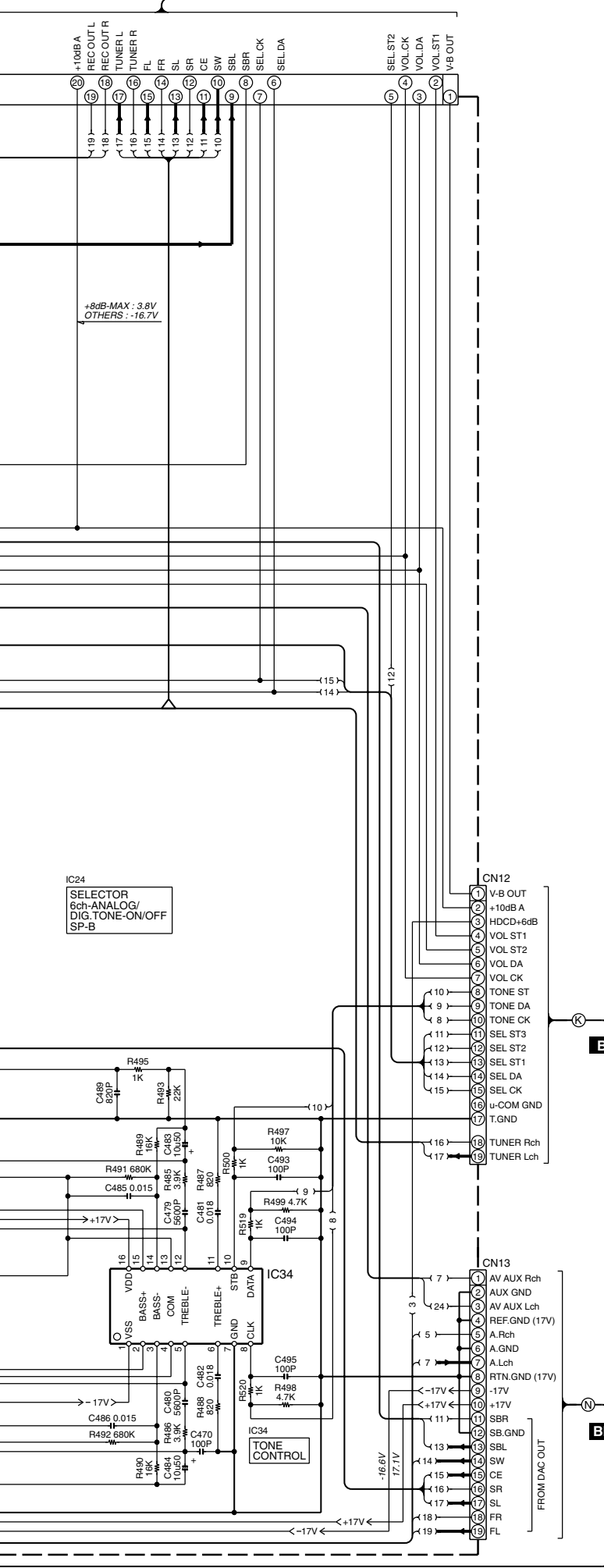
Y05-4210-10

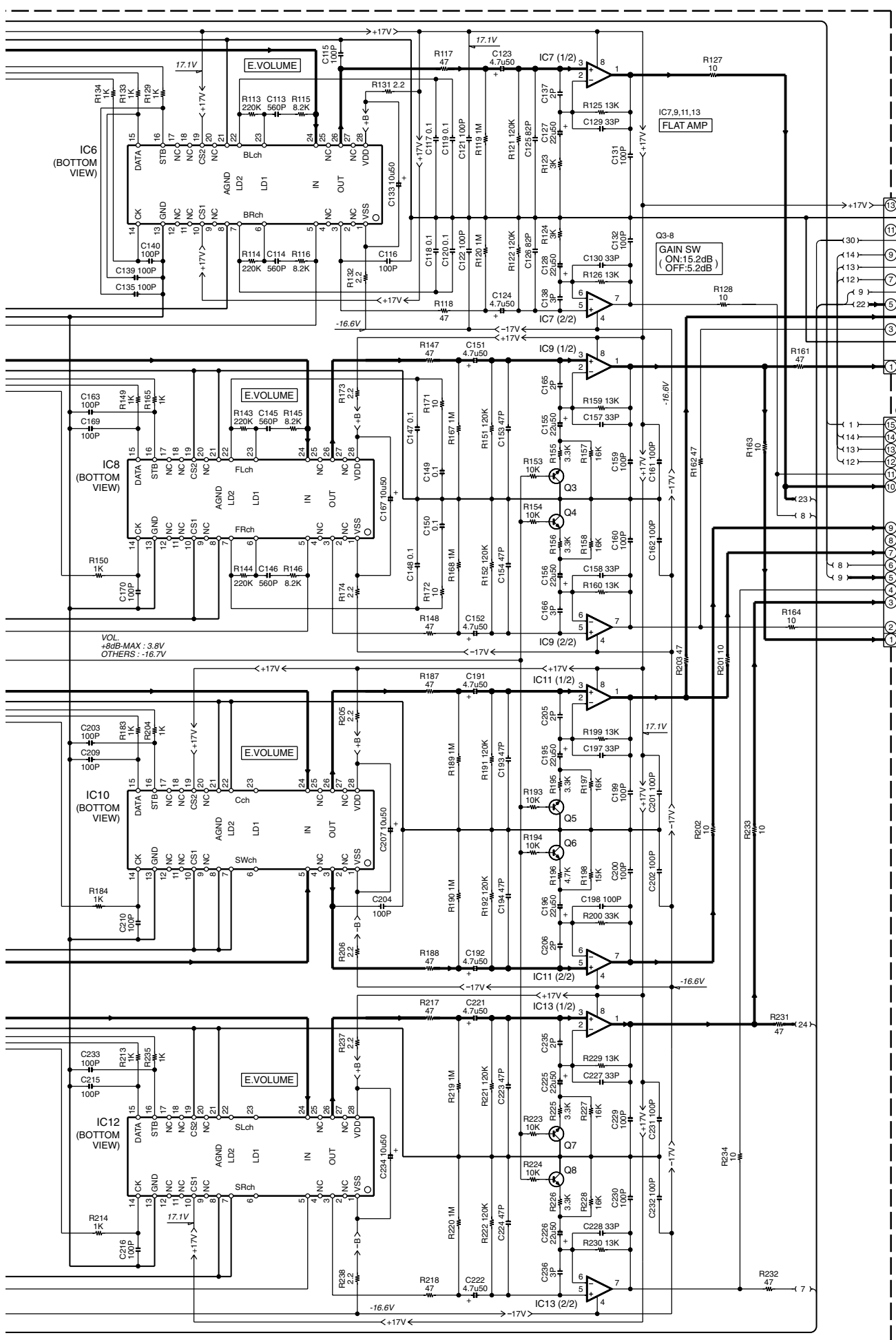
KENWOOD

(X11-3XXX-XX) (B/2)

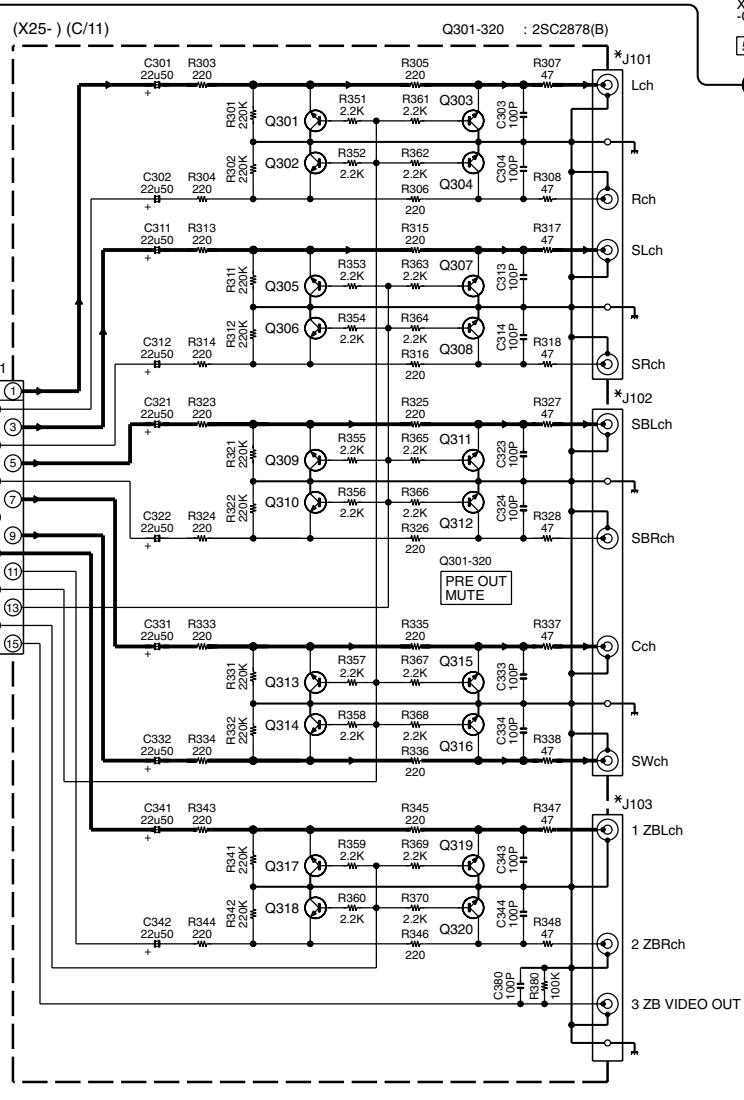
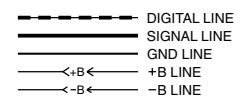


2
3
4
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7





- IC1 : NJM4580ED
- IC2,21 : NJU7312AM
- IC3,22,24 : NJU7313AM
- IC4,5,7,29,33,36 : NJM4565M
- IC6,8,10,12 : TC9459N
- IC9,11,13,25-28 : NJM4565MD
- IC23 : NJU7311AM
- IC34 : TC9184AP
- IC35 : TC9459N
- Q1-8,11,12,15-18 : 2SC2878 (B)
- Q13 : 2SA1576A (R,S) or 2SA1586 (Y,GR)
- Q14 : DT1242EUA or UN5212
- D3,4 : MA111
- D5-8 : DA204U or 1SS302



VR-5080 (X25-6410-10)

| DESTINATION | UNIT | J101 | J102 | J103 |
|-------------|------|------------------|------------------|------------------|
| COUNTRY | ABB. | No. | | |
| U.S.A. | K | E63-1173-05 (NI) | E63-1174-05 (NI) | E63-1178-05 (NI) |
| CANADA | P1 | 0-10 | | |

VR-5090 (X25-6410-11)

| DESTINATION | UNIT | J101 | J102 | J103 |
|-------------|------|--------------------|--------------------|--------------------|
| COUNTRY | ABB. | No. | | |
| U.S.A. | K1 | E63-1176-05 (GOLD) | E63-1177-05 (GOLD) | E63-1179-05 (GOLD) |
| CANADA | P2 | 0-11 | | |

KRF-X7775D (X25-641X-XX)

| DESTINATION | UNIT | J101 | J102 | J103 |
|-------------|------|------|------------------|------------------|
| COUNTRY | ABB. | No. | | |
| EUROPE | E1 | 2-71 | E63-1173-05 (NI) | E63-1174-05 (NI) |
| | | | | E63-1178-05 (NI) |

KRF-X7775D-S (X25-64XX-XX)

| DESTINATION | UNIT | J101 | J102 | J103 |
|----------------|------|------------------|------------------|------------------|
| COUNTRY | ABB. | No. | | |
| PX | Y1 | 12-71 | | |
| EUROPE | E2 | E63-1173-05 (NI) | E63-1174-05 (NI) | E63-1178-05 (NI) |
| GENERAL MARKET | M1 | 10-21 | | |
| AUSTRALIA | X1 | | | |
| SHANGHAI | V | 22-10 | | |

VR-5080 (X11-3890-10)

| DESTINATION | UNIT | J1,2 | J11 | J12 | J13 | J14 |
|-------------|------|------|-------------|-------------|-----|-------------|
| COUNTRY | ABB. | No. | | | | |
| U.S.A. | K | NO | E63-1112-05 | E63-1164-05 | NO | E63-1114-05 |
| CANADA | P1 | 0-10 | | | | E63-1163-05 |

VR-5090 (X11-3890-11)

| DESTINATION | UNIT | J1,2 | J11,12 | J13 | J14 | |
|-------------|------|------|--------|-------------|-------------|----|
| COUNTRY | ABB. | No. | | | | |
| U.S.A. | K1 | 0-11 | YES | E63-1113-05 | E63-1111-05 | NO |
| CANADA | P2 | | | | | |

KRF-X7775D (X11-3890-XX)

| DESTINATION | UNIT | J1,2 | J11 | J12 | J13 | J14 |
|-------------|------|------|-----|-------------|-------------|-------------|
| COUNTRY | ABB. | No. | | | | |
| EUROPE | E1 | 0-10 | NO | E63-1112-05 | E63-1164-05 | NO |
| | | | | | | E63-1114-05 |
| | | | | | | E63-1163-05 |

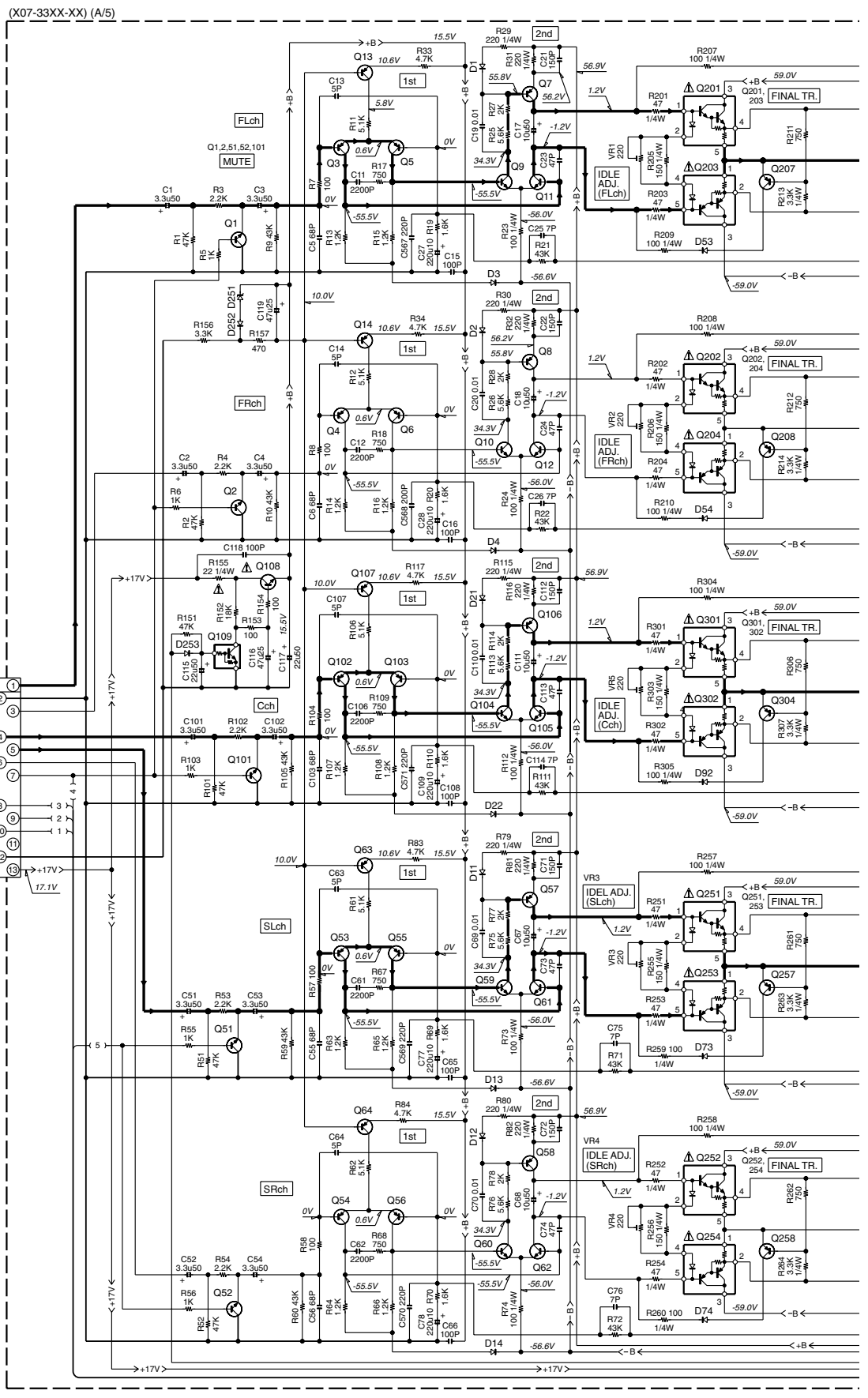
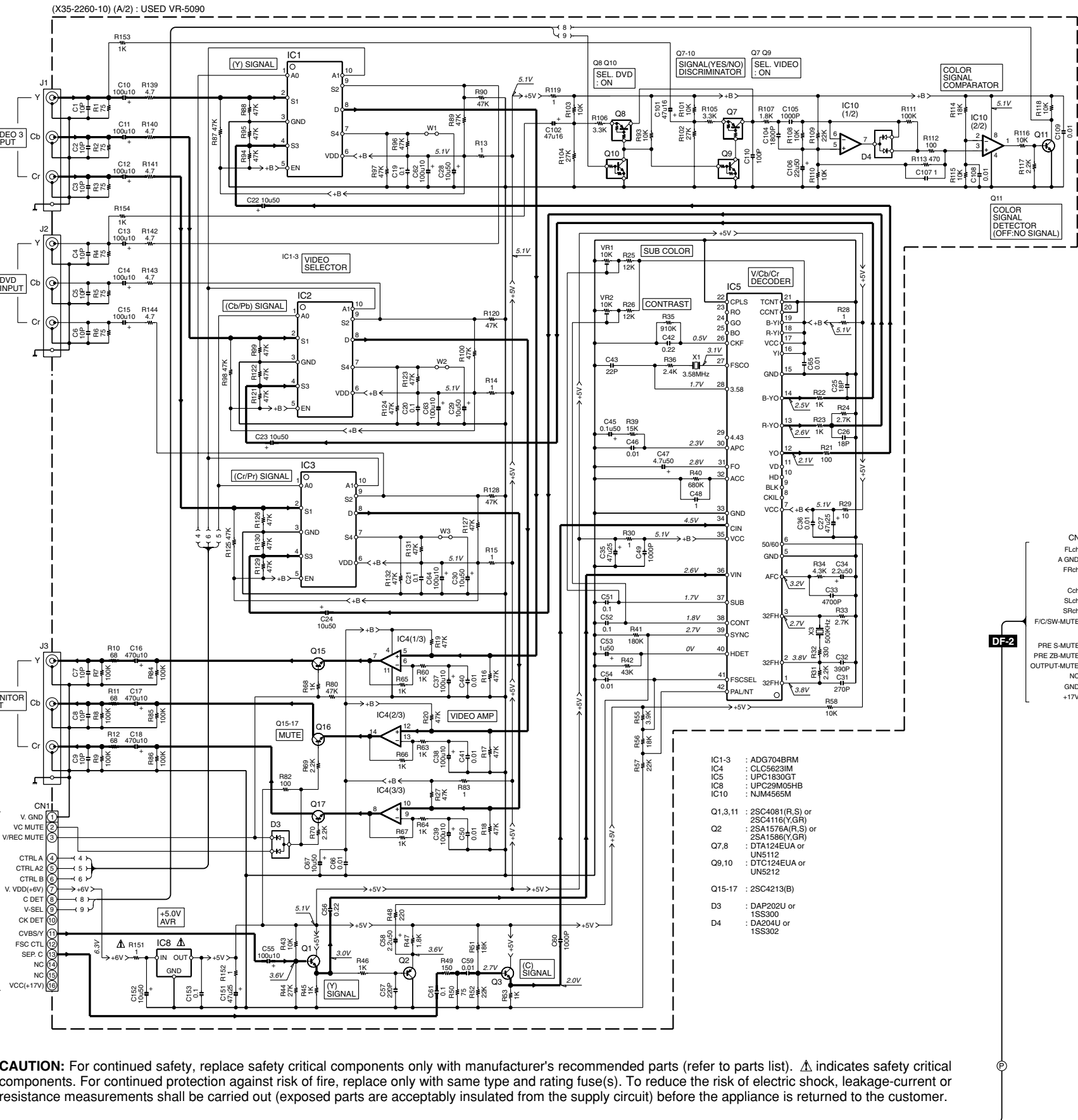
KRF-X7775D-S (X11-3XXX-XX)

| DESTINATION | UNIT | J1,2 | J11 | J12 | J13 | J14 |
|----------------|------|--------|-----|-------------|-------------|-----|
| COUNTRY | ABB. | No. | | | | |
| PX | Y1 | 890-10 | NO | E63-1112-05 | E63-1164-05 | NO |
| GENERAL MARKET | M1 | | | | | |
| AUSTRALIA | X1 | | | | | |
| EUROPE | E2 | | | | | |
| SHANGHAI | V | 902-10 | | | | |

VR-5080/5090 (4/6)
KRF-X7775D/X7775D-S (4/6)

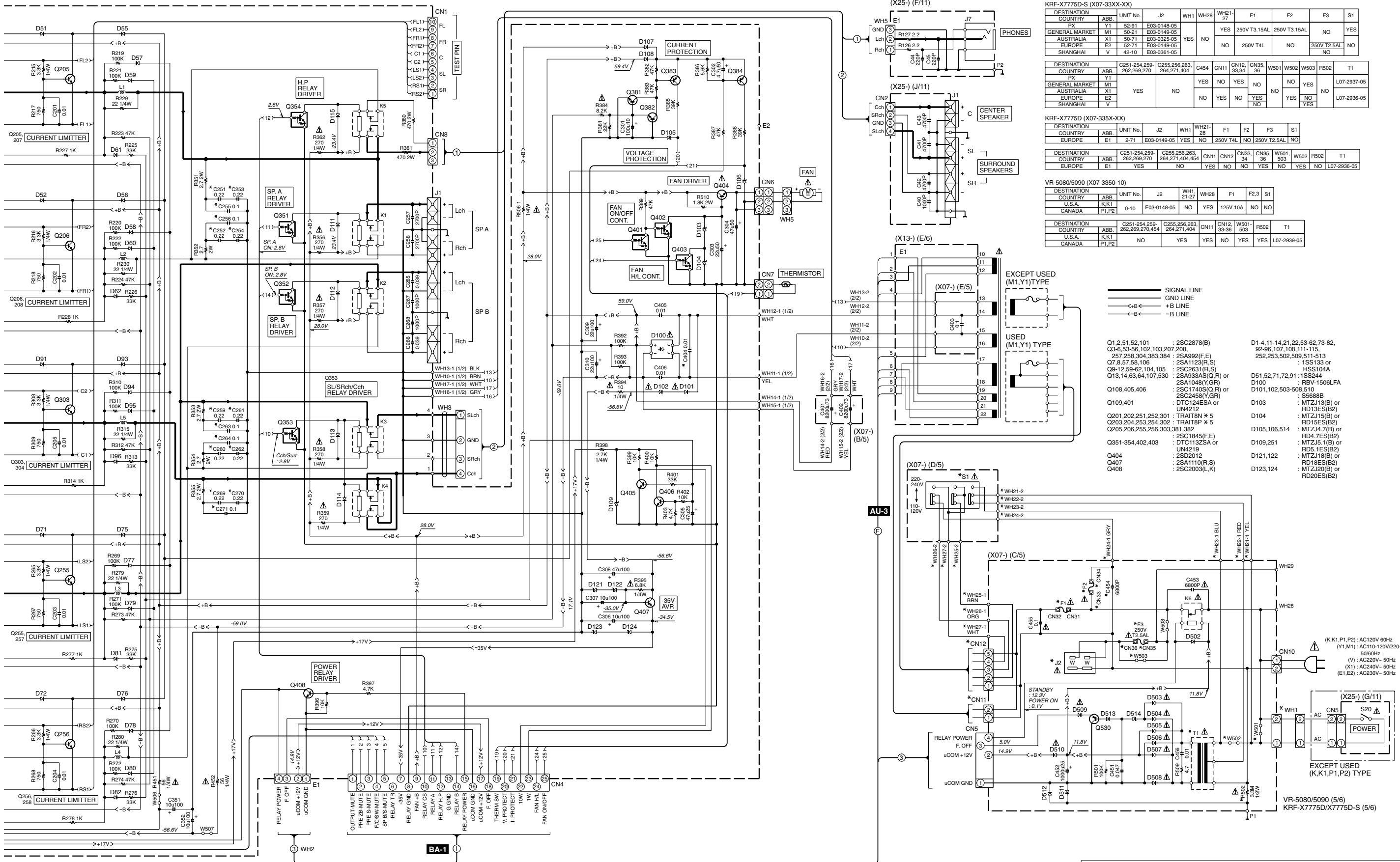
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



KRF-X7775D-S (X07-33XX-XX)

| DESTINATION | COUNTRY | ABB. | UNIT No. | J2 | WH1 | WH28 | WH21-27 | F1 | F2 | F3 | S1 | |
|----------------|-----------|------|----------|-------------|-----|------|---------|----|--------------|--------------|-------------|-----|
| GENERAL MARKET | PX | Y1 | 52-91 | E03-0148-05 | | | YES | NO | 250V T3.15AL | 250V T3.15AL | NO | YES |
| GENERAL MARKET | AUSTRALIA | X1 | 50-21 | E03-0149-05 | | | YES | NO | 250V T3.15AL | 250V T3.15AL | NO | YES |
| GENERAL MARKET | EUROPE | E2 | 52-71 | E03-0149-05 | | | NO | NO | 250V T4L | NO | 250V T2.5AL | NO |
| GENERAL MARKET | SHANGHAI | V | 42-10 | E03-0361-05 | | | | | | | | |

KRF-X7775D (X07-335X-XX)

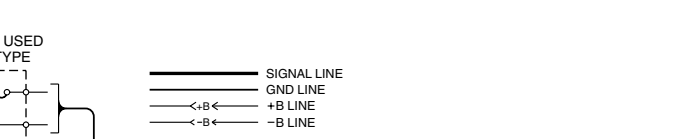
| DESTINATION | COUNTRY | ABB. | UNIT No. | J2 | WH1 | WH21-28 | F1 | F2 | F3 | S1 | | |
|----------------|-----------|------|----------|-------------|-----|---------|-----|----|--------------|--------------|-------------|-------------|
| GENERAL MARKET | PX | Y1 | 52-91 | E03-0148-05 | | | YES | NO | 250V T3.15AL | 250V T3.15AL | NO | L07-2937-05 |
| GENERAL MARKET | AUSTRALIA | X1 | 50-21 | E03-0325-05 | | | NO | NO | 250V T3.15AL | 250V T3.15AL | NO | L07-2936-05 |
| GENERAL MARKET | EUROPE | E2 | 52-71 | E03-0149-05 | | | NO | NO | 250V T4L | NO | 250V T2.5AL | NO |
| GENERAL MARKET | SHANGHAI | V | 42-10 | E03-0361-05 | | | | | | | | |

VR-5080/5090 (X07-3350-10)

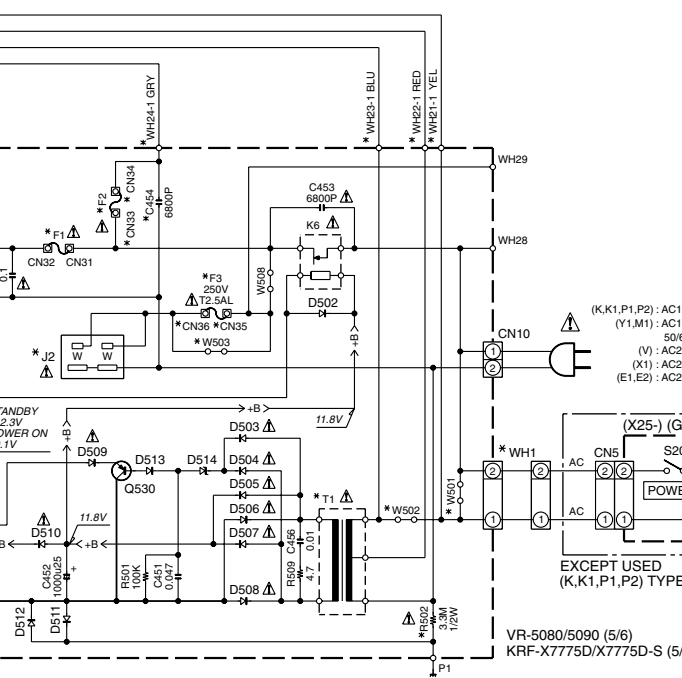
| DESTINATION | COUNTRY | ABB. | UNIT No. | J2 | WH1 | WH28 | F1 | F2,3 | S1 | | |
|----------------|---------|-------|----------|-------------|-----|------|----|------|----------|----|----|
| GENERAL MARKET | U.S.A. | K,K1 | 0-10 | E03-0148-05 | | | NO | YES | 125V 10A | NO | NO |
| GENERAL MARKET | CANADA | P1,P2 | 0-10 | E03-0148-05 | | | NO | YES | 125V 10A | NO | NO |

VR-5080/5090 (X07-3350-10)

| DESTINATION | COUNTRY | ABB. | UNIT No. | J2 | WH1 | WH28 | F1 | F2,3 | S1 | | |
|----------------|---------|-------|----------|-------------|-----|------|----|------|----------|----|----|
| GENERAL MARKET | U.S.A. | K,K1 | 0-10 | E03-0148-05 | | | NO | YES | 125V 10A | NO | NO |
| GENERAL MARKET | CANADA | P1,P2 | 0-10 | E03-0148-05 | | | NO | YES | 125V 10A | NO | NO |



- Q1,2,51,52,101 : 2SC2878(B)
- Q3-6,53-56,102,103,207,208, 257,258,304,383,384 : 2SA992(F,E)
- Q7,8,57,58,106 : 2SA1123(R,S)
- Q9-12,59-62,104,105 : 2SC2631(R,S)
- Q13,14,63,64,107,530 : 2SA933A(S,Q,R) or 2SA1048(Y,G,R)
- Q108,405,406 : 2SC1740S(Q,R) or 2SC2458(Y,G,R) or UN4219
- Q109,401 : DTC124ESA or UN4219
- Q201,202,251,252,301 : TRAIT8N x 5
- Q203,204,253,254,302 : TRAIT8P x 5
- Q205,206,255,256,303,381,382 : 2SC1845(F,E)
- Q351-354,402,403 : DTC1132SA or UN4219
- Q404 : 2SD2012
- Q407 : 2SA1110(R,S)
- Q408 : 2SC2003(L,K)
- D1-4,11-14,21,22,53-62,73-82, 92-96,107,108,111-115, 252,253,502,509,511-513 : 1SS133 or HSS104A
- D100 : RBV-1506LFA
- D101,102,503-508,510 : S5688B
- D103 : MTZJ13(B) or RD13ES(B2)
- D104 : MTZJ15(B) or RD15ES(B2)
- D105,106,514 : MTZJ4.7(B) or RD4.7ES(B2)
- D109,251 : MTZJ5.1(B) or RD5.1ES(B2)
- D121,122 : MTZJ18(B) or RD18ES(B2)
- D123,124 : MTZJ20(B) or RD20ES(B2)



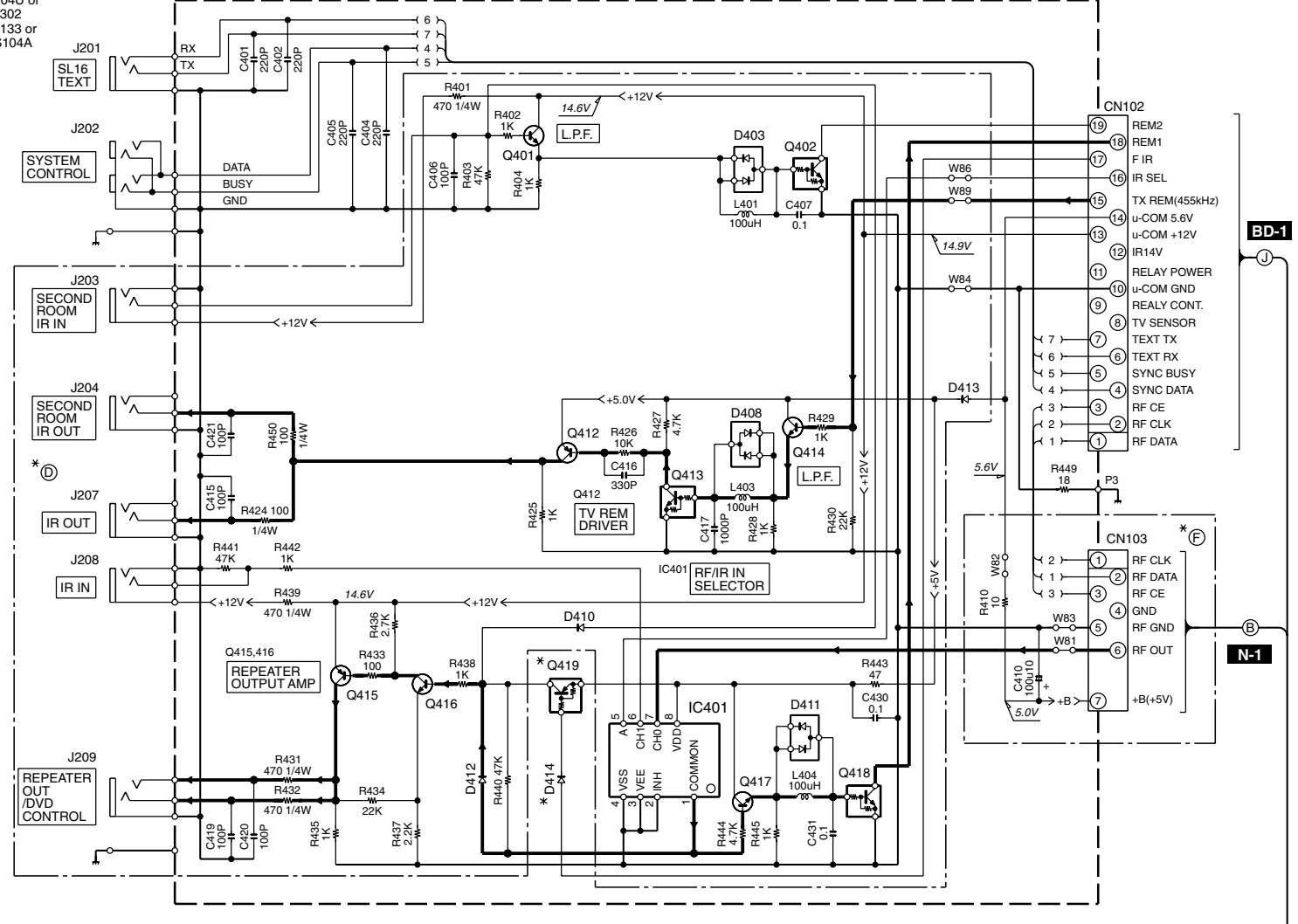
VR-5080/5090 (5/6) KRF-X7775D/X7775D-S (5/6)

| DESTINATION | COUNTRY | ABB. | UNIT No. | J2 | WH1 | WH28 | F1 | F2,3 | S1 | | |
|----------------|---------|-------|----------|-------------|-----|------|----|------|----------|----|----|
| GENERAL MARKET | U.S.A. | K,K1 | 0-10 | E03-0148-05 | | | NO | YES | 125V 10A | NO | NO |
| GENERAL MARKET | CANADA | P1,P2 | 0-10 | E03-0148-05 | | | NO | YES | 125V 10A | NO | NO |

KRF-X7775D/X7775D-S/VR-5080/5090

IC401 : TC4W53FU
 D403,408,411 : DA204U or 1SS302
 Q401,414,416,417 : 2SC4081(R,S) or 2SC4116(Y,GR)
 D410,412-414 : 1SS133 or HSS104A
 Q402,413,418 : DTC124EUA or UN5212
 Q412,415 : 2SA1576A(R,S) or 2SA1586(Y,GR)
 Q419 : DTA124EUA or UN5112

(X25-) (B/11)



VR-5080 (X25-6410-10)

| DESTINATION | UNIT | (B) | (C) | (D) | (F) | D11 | D15-18, 24,25 | D414 | Q419 | R6 | R82-85, 91,92 | R241-244 | W95 |
|-------------|------|------|-----|-----|-----|---------------------|-------------------|------|------|-----|---------------|----------|-----|
| COUNTRY | ABB. | No. | | | | | | | | | | | |
| U.S.A. | K | 0-10 | NO | YES | | B30-2548-05 (GREEN) | B30-2573-05 (RED) | NO | NO | 150 | 270 | YES | YES |
| CANADA | P1 | | | | | | | | | | | | |

VR-5090 (X25-6410-11)

| DESTINATION | UNIT | (B) | (C) | (D) | (F) | D11 | D15-18, 24,25 | D414 | Q419 | R6 | R82-85, 91,92 | R241-244 | W95 |
|-------------|------|------|-----|-----|-----|---------------------|-------------------|------|------|-----|---------------|----------|-----|
| COUNTRY | ABB. | No. | | | | | | | | | | | |
| U.S.A. | K1 | 0-11 | YES | | | B30-2548-05 (GREEN) | B30-2573-05 (RED) | NO | NO | 150 | 270 | NO | NO |
| CANADA | P2 | | | | | | | | | | | | |

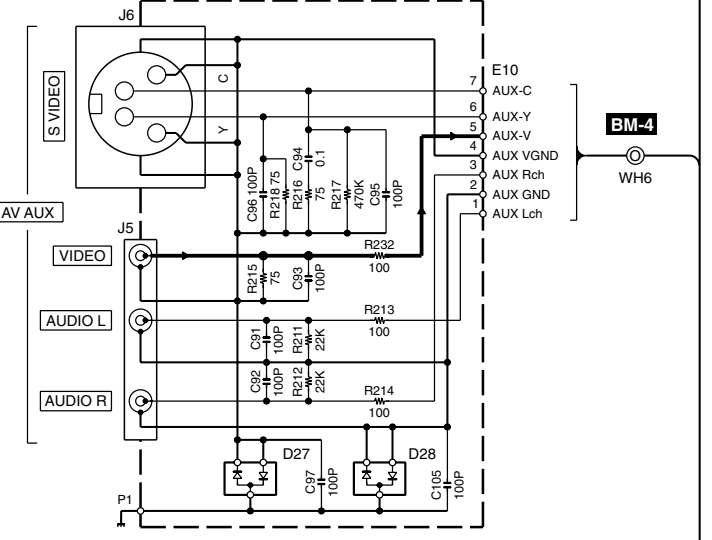
KRF-X7775D (X25-641X-XX)

| DESTINATION | UNIT | (B) | (C) | (F) | (D) | D11 | D15-18, 24,25 | D414 | Q419 | R6 | R82-85, 91,92 | R241-244 | S18 | W95 |
|-------------|------|------|-----|-----|-----|---------------------|-------------------|------|------|-----|---------------|----------|-----|-----|
| COUNTRY | ABB. | No. | | | | | | | | | | | | |
| EUROPE | E1 | 2-71 | NO | YES | | B30-2548-05 (GREEN) | B30-2573-05 (RED) | YES | YES | 150 | 270 | YES | NO | YES |

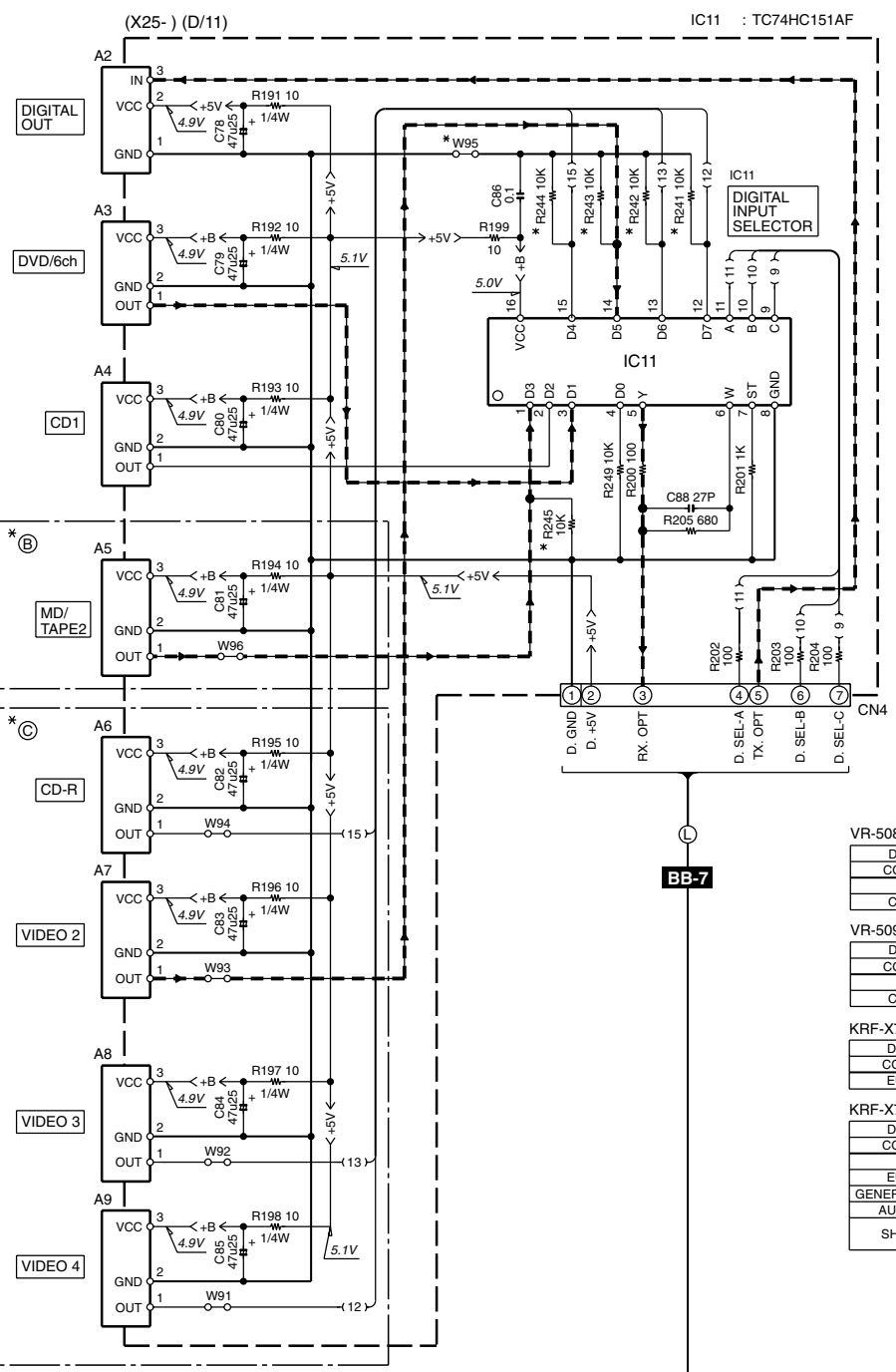
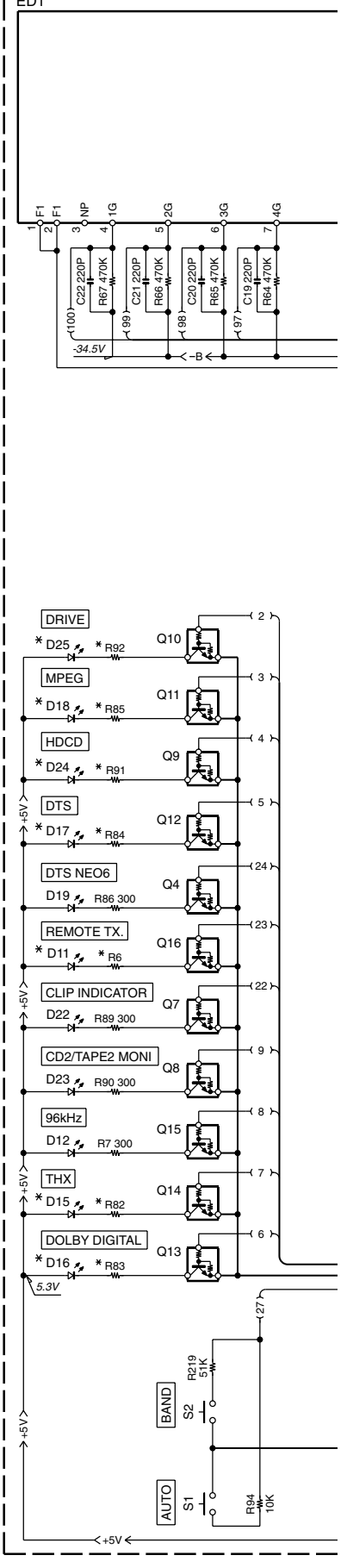
KRF-X7775D-S (X25-64XX-XX)

| DESTINATION | UNIT | (B) | (C) | (F) | (D) | D11 | D15-18, 24,25 | D414 | Q419 | R6 | R82-85, 91,92 | R241-244 | W95 | |
|----------------|------|-------|-----|-----|-----|---------------------|--------------------|------|------|-----|---------------|----------|-----|-----|
| COUNTRY | ABB. | No. | | | | | | | | | | | | |
| EUROPE | Y1 | 12-71 | | | YES | B30-2548-05 (GREEN) | B30-2573-05 (RED) | YES | YES | 150 | 270 | YES | YES | |
| GENERAL MARKET | M1 | 10-21 | NO | | NO | | | | | | | | YES | YES |
| AUSTRALIA | X1 | | | | NO | B30-2571-05 (BLUE) | B30-2571-05 (BLUE) | NO | NO | 220 | 220 | | | |
| SHANGHAI | V1 | 22-10 | | | | | | | | | | | | |

(X25-) (E/11) D27,28 : DA204U or 1SS302



(X25-64XX-XX) (A/11)



- X05-510 -CN1
- X13-A/6 -CN1
- X13-A/6 -CN2
- X13-A/6 -CN13
- X13-A/6 -CN7
- X13-A/6 -CN3

BB-7

BM-4

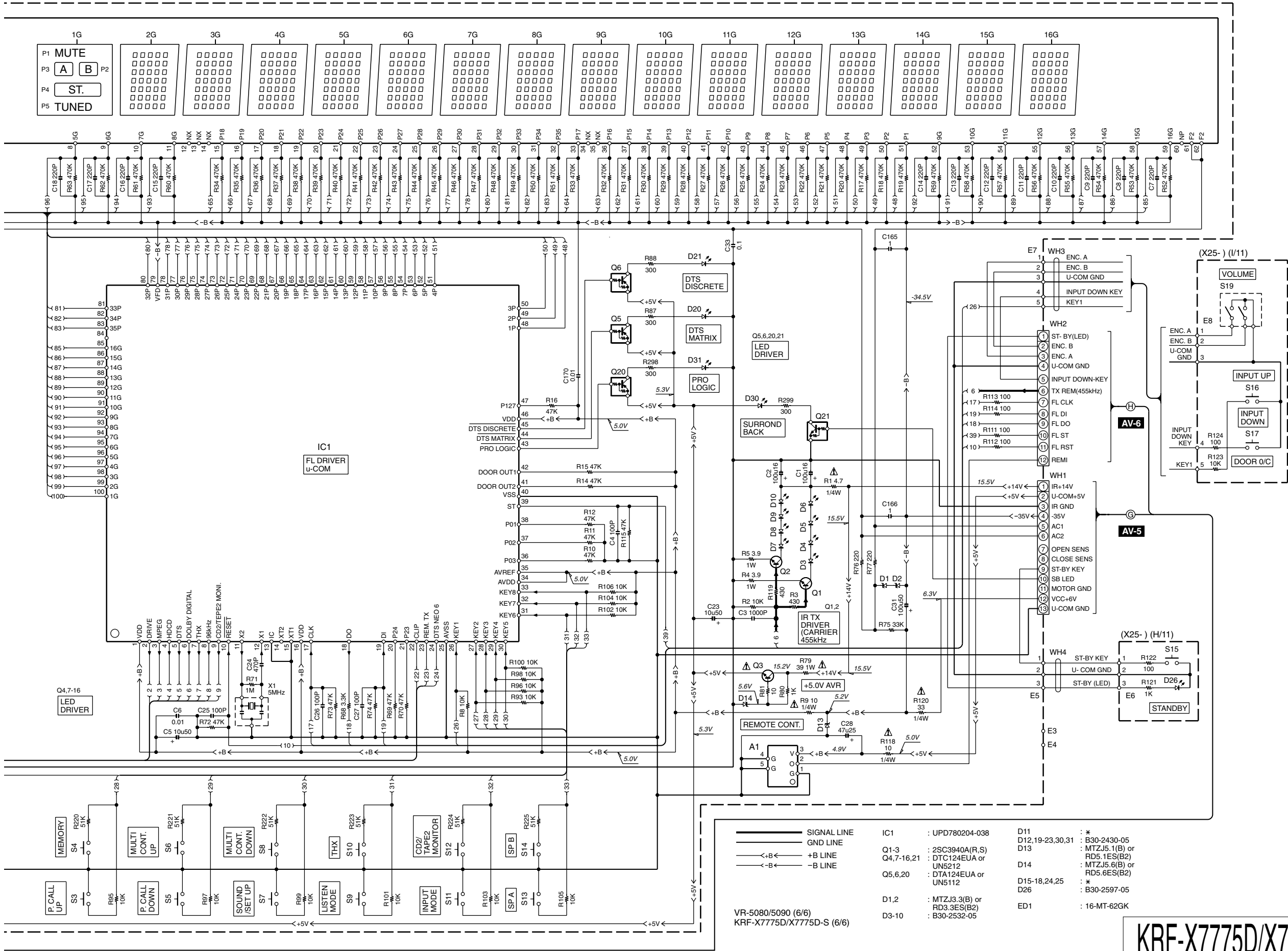
BD-1

N-1

WH6

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



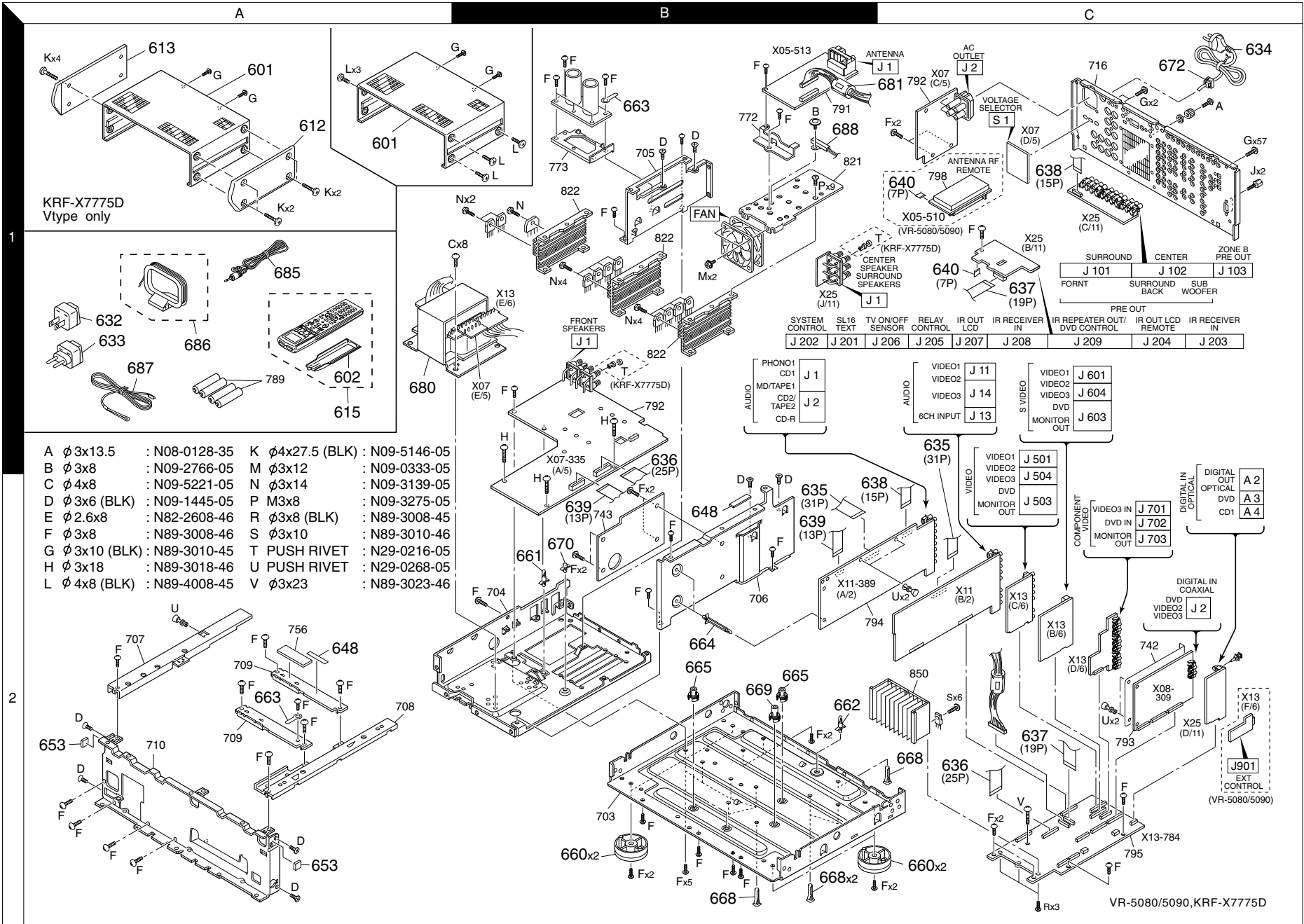
| | | | | | |
|-------|-------------|------------|-----------------------------|-----------------|-----------------------------|
| — | SIGNAL LINE | IC1 | : UPD780204-038 | D11 | : * |
| — | GND LINE | Q1-3 | : 2SC3940A(R,S) | D12,19-23,30,31 | : B30-2430-05 |
| —>+B< | +B LINE | Q4,7-16,21 | : DTC124EUA or UN5212 | D13 | : MTZJ5.1(B) or RD5.1ES(B2) |
| —>-B< | -B LINE | Q5,6,20 | : DTA124EUA or UN5112 | D14 | : MTZJ5.6(B) or RD5.6ES(B2) |
| | | D1,2 | : MTZJ3.3(B) or RD3.3ES(B2) | D15-18,24,25 | : * |
| | | D3-10 | : B30-2532-05 | D26 | : B30-2597-05 |
| | | | | ED1 | : 16-MT-62GK |

VR-5080/5090 (6/6)
KRF-X7775D/X7775D-S (6/6)

KRF-X7775D/X7775D-S/VR-5080/5090

Y05-4210-10

KENWOOD



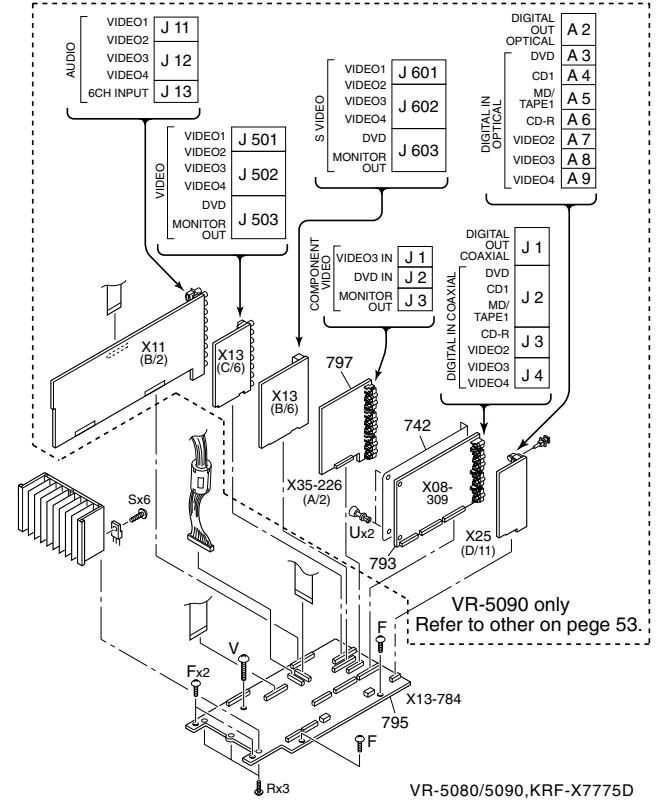
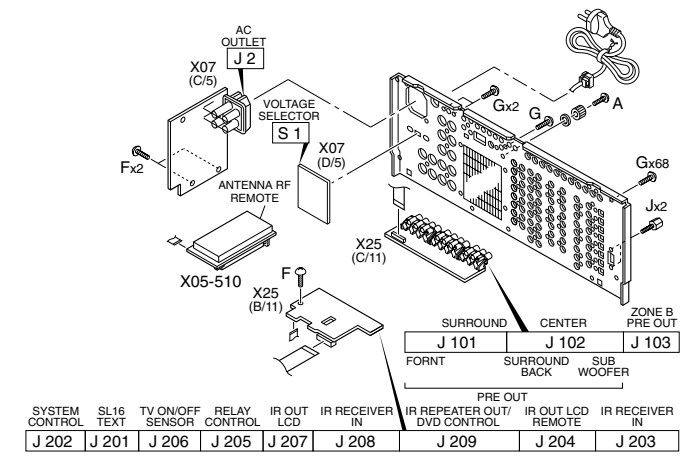
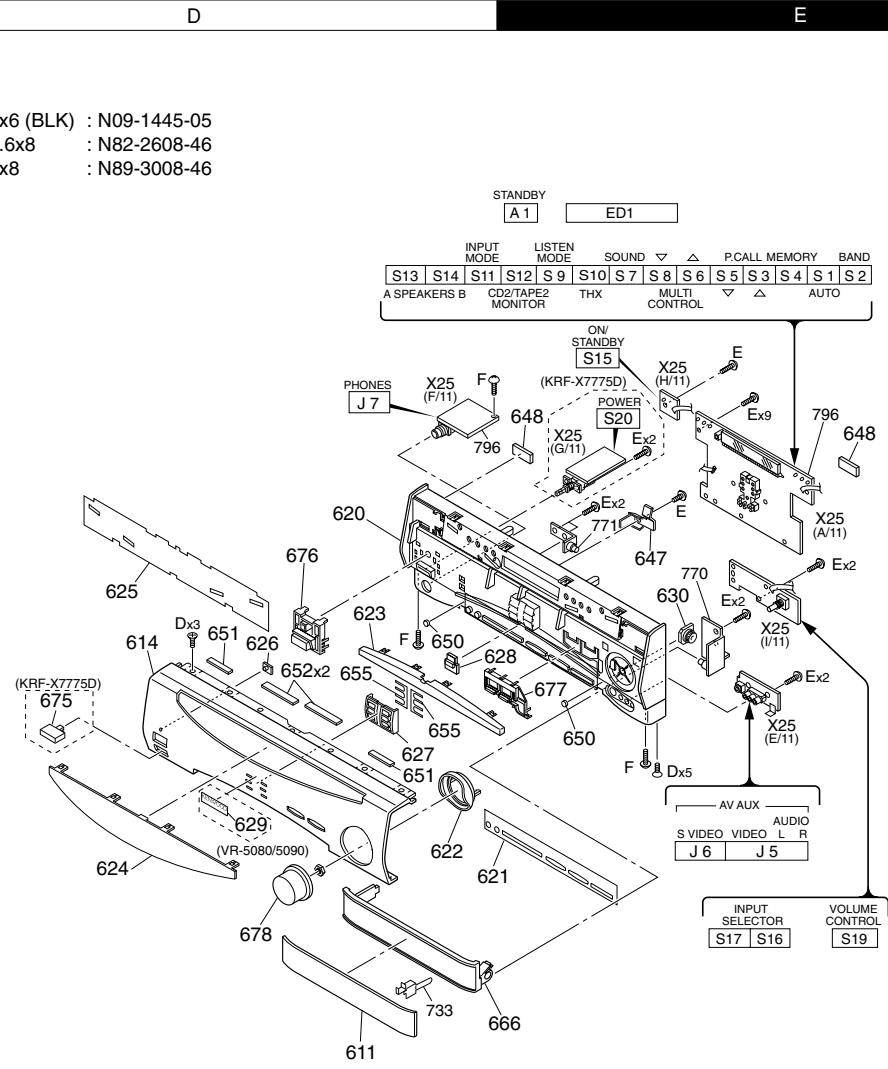
- | | | | |
|---------------------|---------------|-----------------------|---------------|
| A ϕ 3x13.5 | : N08-0128-35 | K ϕ 4x27.5 (BLK) | : N09-5146-05 |
| B ϕ 3x8 | : N09-2766-05 | M ϕ 3x12 | : N09-0333-05 |
| C ϕ 4x8 | : N09-5221-05 | N ϕ 3x14 | : N09-3139-05 |
| D ϕ 3x6 (BLK) | : N09-1445-05 | P M3x8 | : N09-3275-05 |
| E ϕ 2.6x8 | : N82-2608-46 | R ϕ 3x8 (BLK) | : N89-3008-45 |
| F ϕ 3x8 | : N89-3008-46 | S ϕ 3x10 | : N89-3010-46 |
| G ϕ 3x10 (BLK) | : N89-3010-45 | T PUSH RIVET | : N29-0216-05 |
| H ϕ 3x18 | : N89-3018-46 | U PUSH RIVET | : N29-0268-05 |
| L ϕ 4x8 (BLK) | : N89-4008-45 | V ϕ 3x23 | : N89-3023-46 |

EXPLODED VIEW (UNIT)

KRF-X7775D/X7775D-S/VR-5080/5090

Parts with exploded numbers larger than 700 are not supplied.

- D ϕ 3x6 (BLK) : N09-1445-05
- E ϕ 2.6x8 : N82-2608-46
- F ϕ 3x8 : N89-3008-46



VR-5080/5090, KRF-X7775D

* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

①

| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|------------------------------------------------|----------|-----------|-------------|-------------------------------|--------------|----------|
| KRF-X7775D/KRF-X7775D-S/VR-5080/VR-5090 | | | | | | |
| 601 | 1A | * | A01-3802-01 | METALLIC CABINET | M1X1E2 | |
| 601 | 1A | * | A01-3803-01 | METALLIC CABINET | V | |
| 601 | 1A | * | A01-3804-01 | METALLIC CABINET | KP1K1 | |
| 601 | 1A | * | A01-3804-01 | METALLIC CABINET | P2E1Y1 | |
| 602 | 1A | | A09-1166-08 | BATTERY COVER | | |
| 611 | 2D | * | A29-1137-03 | PANEL | M1X1 | |
| 611 | 2D | * | A29-1138-03 | PANEL | KP1K1 | |
| 611 | 2D | * | A29-1138-03 | PANEL | P2Y1 | |
| 611 | 2D | * | A29-1139-03 | PANEL | E2 | |
| 611 | 2D | * | A29-1140-03 | PANEL | E1 | |
| 612 | 1A | | A50-1344-02 | SIDE PLATE R | V | |
| 613 | 1A | | A50-1345-02 | SIDE PLATE L | V | |
| 614 | 1D | * | A60-1959-02 | PANEL | KP1 | |
| 614 | 1D | * | A60-1960-02 | PANEL | K1P2 | |
| 614 | 1D | * | A60-1961-02 | PANEL | M1X1E2 | |
| 614 | 1D | * | A60-1963-02 | PANEL | E1Y1 | |
| 614 | 1D | * | A60-2014-02 | PANEL | V | |
| 615 | 1A | * | A70-1453-05 | REMOTE CONTROL ASSY(RC-R0913) | KP1K1 | |
| 615 | 1A | * | A70-1453-05 | REMOTE CONTROL ASSY(RC-R0913) | P2 | |
| 615 | 1A | * | A70-1454-05 | REMOTE CONTROL ASSY(RC-R0914) | V | |
| 615 | 1A | * | A70-1454-05 | REMOTE CONTROL ASSY(RC-R0914) | Y1M1X1 | |
| 615 | 1A | * | A70-1455-05 | REMOTE CONTROL ASSY(RC-R0915) | E1E2 | |
| 620 | 1D | * | B01-0543-11 | PANEL ESCUTCHEON | KP1K1 | |
| 620 | 1D | * | B01-0543-11 | PANEL ESCUTCHEON | P2E1Y1 | |
| 620 | 1D | * | B01-0544-11 | PANEL ESCUTCHEON | M1X1E2 | |
| 620 | 1D | * | B01-0544-11 | PANEL ESCUTCHEON | V | |
| 621 | 2D | * | B03-3874-03 | DRESSING PLATE | KP1K1 | |
| 621 | 2D | * | B03-3874-03 | DRESSING PLATE | P2 | |
| 621 | 2D | * | B03-3875-03 | DRESSING PLATE | M1X1E2 | |
| 621 | 2D | * | B03-3875-03 | DRESSING PLATE | V | |
| 621 | 2D | * | B03-3877-03 | DRESSING PLATE | E1Y1 | |
| 622 | 2D | | B07-2495-04 | ESCUTCHEON | M1X1E2 | |
| 622 | 2D | | B07-2495-04 | ESCUTCHEON | V | |
| 622 | 2D | | B07-2496-04 | ESCUTCHEON | KP1K1 | |
| 622 | 2D | | B07-2496-04 | ESCUTCHEON | P2E1Y1 | |
| 623 | 1D | | B10-3570-03 | FRONT GLASS | | |
| 624 | 2D | * | B10-3639-02 | FRONT GLASS | | |
| 625 | 1D | * | B11-1528-03 | COLOR FILTER | | |
| 626 | 1D | | B12-0390-04 | INDICATOR | | |
| 627 | 2D | | B12-0391-14 | INDICATOR | | |
| 628 | 1D | | B12-0392-14 | INDICATOR | | |
| 629 | 2D | * | B43-0322-04 | KENWOOD BADGE | KP1K1 | |
| 629 | 2D | * | B43-0322-04 | KENWOOD BADGE | P2 | |
| - | | | B46-0096-53 | WARRANTY CARD | X1 | |
| - | | | B46-0310-03 | WARRANTY CARD | E1E2 | |
| - | | | B46-0330-03 | WARRANTY CARD | Y1 | |
| - | | * | B46-0331-03 | WARRANTY CARD | KK1 | |
| - | | | B46-0344-03 | WARRANTY CARD | V | |
| - | | * | B46-0358-00 | QUESTIONNAIRE CARD | KK1 | |
| - | | * | B46-0359-03 | WARRANTY CARD | P1P2 | |
| - | | | B58-0513-04 | CAUTION CARD (PRESET220-240) | Y1 | |
| - | | | B58-0964-13 | CAUTION CARD (UL) | KK1Y1 | |

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②

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|--------------|----------|-----------|-------------|--------------------------|--------------|----------|
| - | | | B58-0965-13 | CAUTION CARD (T_XtypePL) | X1 | |
| - | | | B58-0966-13 | CAUTION CARD (ELMtypePL) | E1M1E2 | |
| - | | | B58-0967-03 | CAUTION CARD (PtypePL) | P1P2 | |
| - | | | B58-1546-03 | CAUTION CARD | V | |
| - | | | B59-1104-00 | SERVICE DIRECTORY | Y1 | |
| - | | * | B60-4861-00 | INSTRUCTION MANUAL (EN1) | KP1K1 | |
| - | | * | B60-4861-00 | INSTRUCTION MANUAL (EN1) | P2 | |
| - | | * | B60-4862-00 | INSTRUCTION MANUAL (FR1) | P1P2 | |
| - | | * | B60-4863-00 | INSTRUCTION MANUAL (EN1) | Y1M1X1 | |
| - | | * | B60-4864-00 | INSTRUCTION MANUAL (FR1) | E2 | |
| - | | * | B60-4865-00 | INSTRUCTION MANUAL (GE1) | E1E2 | |
| - | | * | B60-4866-00 | INSTRUCTION MANUAL (NE1) | E1E2 | |
| - | | * | B60-4867-00 | INSTRUCTION MANUAL (IT1) | E2 | |
| - | | * | B60-4868-00 | INSTRUCTION MANUAL (ES1) | E2 | |
| - | | * | B60-4869-00 | INSTRUCTION MANUAL (TC1) | M1 | |
| - | | * | B60-4870-00 | INSTRUCTION MANUAL (AR1) | M1 | |
| - | | * | B60-4872-00 | INSTRUCTION MANUAL (EN2) | KP1K1 | |
| - | | * | B60-4872-00 | INSTRUCTION MANUAL (EN2) | P2 | |
| - | | * | B60-4873-00 | INSTRUCTION MANUAL (FR2) | P1P2 | |
| - | | * | B60-4874-00 | INSTRUCTION MANUAL (EN2) | Y1M1X1 | |
| - | | * | B60-4875-00 | INSTRUCTION MANUAL (FR2) | E2 | |
| - | | * | B60-4876-00 | INSTRUCTION MANUAL (GE2) | E1E2 | |
| - | | * | B60-4877-00 | INSTRUCTION MANUAL (NE2) | E1E2 | |
| - | | * | B60-4878-00 | INSTRUCTION MANUAL (IT2) | E2 | |
| - | | * | B60-4879-00 | INSTRUCTION MANUAL (ES2) | E2 | |
| - | | * | B60-4880-00 | INSTRUCTION MANUAL (TC2) | M1 | |
| - | | * | B60-4881-00 | INSTRUCTION MANUAL (AR2) | M1 | |
| - | | * | B60-5035-00 | INSTRUCTION MANUAL (SC1) | V | |
| - | | * | B60-5036-00 | INSTRUCTION MANUAL (SC2) | V | |
| 630 | 1E | | D39-0347-05 | DAMPER | | |
| Δ 632 | 1A | * | E03-0382-05 | AC PLUG ADAPTER (WA-6) | M1 | |
| Δ 633 | 1A | * | E03-0383-05 | AC PLUG ADAPTER (WA-9C) | M1 | |
| Δ 634 | 1C | | E30-2789-05 | AC POWER CORD | Y1 | |
| Δ 634 | 1C | | E30-2790-05 | AC POWER CORD | X1 | |
| Δ 634 | 1C | | E30-2824-15 | AC POWER CORD | V | |
| Δ 634 | 1C | | E30-2943-05 | AC POWER CORD | E1E2 | |
| Δ 634 | 1C | | E30-2944-05 | AC POWER CORD | KP1K1 | |
| Δ 634 | 1C | | E30-2944-05 | AC POWER CORD | P2 | |
| Δ 634 | 1C | * | E30-7225-05 | AC POWER CORD | M1 | |
| 635 | 2B,1C | * | E35-2757-05 | FLAT CABLE (31P) | | |
| 636 | 2B,2C | * | E35-2758-05 | FLAT CABLE (25P) | | |
| 637 | 1C,2C | * | E35-2759-05 | FLAT CABLE (19P) | | |
| 638 | 1C,2C | * | E35-2760-05 | FLAT CABLE (15P) | | |
| 639 | 2B | * | E35-2761-05 | FLAT CABLE (13P) | | |
| 640 | 1C | * | E35-2762-05 | FLAT CABLE (7P) | KP1K1 | |
| 640 | 1C | * | E35-2762-05 | FLAT CABLE (7P) | P2 | |
| 647 | 1E | | G02-1701-04 | FLAT SPRING | | |
| 648 | 1B,1E | | G10-0541-04 | NON-WOVEN FABRIC | | |
| 650 | 1D,2E | | G11-2719-04 | CUSHION | | |
| 651 | 1D | | G11-2730-04 | SOFT TAPE | | |
| 652 | 1D | | G11-2731-04 | SOFT TAPE | | |
| 653 | 2A | | G11-2743-14 | CUSHION | | |
| 655 | 2D | | G11-2762-04 | CUSHION | V | |

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|---------|----------|-----------|-------------|-------------------------------|--------------|----------|
| - | | | H10-7636-12 | POLYSTYRENE FOAMED FIXTURE,L | KP1K1 | |
| - | | | H10-7636-12 | POLYSTYRENE FOAMED FIXTURE,L | P2E1 | |
| - | | | H10-7636-12 | POLYSTYRENE FOAMED FIXTURE,L | X1Y1 | |
| - | | * | H10-7637-22 | POLYSTYRENE FOAMED FIXTURE,R | KP1K1 | |
| - | | * | H10-7637-22 | POLYSTYRENE FOAMED FIXTURE,R | P2E1 | |
| - | | | H10-7637-22 | POLYSTYRENE FOAMED FIXTURE,R | X1Y1 | |
| - | | | H10-7638-22 | POLYSTYRENE FOAMED FIXTURE,L | V | |
| - | | | H10-7639-32 | POLYSTYRENE FOAMED FIXTURE,R | V | |
| - | | * | H10-7755-12 | POLYSTYRENE FOAMED FIXTURE,L | M1E2 | |
| - | | * | H10-7756-22 | POLYSTYRENE FOAMED FIXTURE,R | M1E2 | |
| - | | | H12-3527-04 | PACKING FIXTURE | M1E2 | |
| - | | * | H13-0050-04 | CARTON BOARD | M1E2 | |
| - | | * | H13-0330-14 | CARTON BOARD | | |
| - | | * | H13-0341-04 | CARTON BOARD | KP1K1 | |
| - | | * | H13-0341-04 | CARTON BOARD | P2 | |
| - | | | H21-0388-04 | PROTECTION SHEET | V | |
| - | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | KP1K1 | |
| - | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | P2E1Y1 | |
| - | | * | H25-0232-04 | PROTECTION BAG (235X350X0.03) | X1V | |
| - | | * | H25-0632-24 | PROTECTION BAG (250X400) | M1E2 | |
| - | | | H25-0692-04 | PROTECTION BAG | E1E2 | |
| - | | | H25-0692-04 | PROTECTION BAG | M1X1Y1 | |
| - | | | H25-1671-04 | PROTECTION BAG | V | |
| - | | * | H25-1710-04 | PROTECTION BAG (500X950) | KP1K1 | |
| - | | * | H25-1710-04 | PROTECTION BAG (500X950) | P2 | |
| - | | | H50-3941-04 | ITEM CARTON CASE | KP1 | |
| - | | * | H50-3942-04 | ITEM CARTON CASE | K1P2 | |
| - | | * | H50-3943-04 | ITEM CARTON CASE | E1 | |
| - | | * | H50-4074-04 | ITEM CARTON CASE | V | |
| - | | * | H50-4150-04 | ITEM CARTON CASE | Y1 | |
| - | | | H50-4151-04 | ITEM CARTON CASE | X1 | |
| - | | * | H50-4219-04 | ITEM CARTON CASE | M1 | |
| - | | * | H50-4220-04 | ITEM CARTON CASE | E2 | |
| 660 | 2B,2C | | J02-1467-03 | FOOT (D=60,H=21.5) | | |
| 661 | 2B | | J19-5910-05 | UNIT HOLDER | | |
| 662 | 2B | | J19-5911-05 | UNIT HOLDER | | |
| 663 | 2A,1B | | J19-0306-05 | LEAD HOLDER | | |
| 664 | 2B | | J19-5919-05 | UNIT HOLDER | | |
| 665 | 2B | | J19-6002-04 | UNIT HOLDER | | |
| 666 | 2E | | J19-6053-12 | HOLDER | M1X1E2 | |
| 666 | 2E | | J19-6068-12 | HOLDER | KP1K1 | |
| 666 | 2E | | J19-6068-12 | HOLDER | P2E1Y1 | |
| 668 | 2B,2C | * | J19-6163-05 | HOLDER | | |
| 669 | 2B | * | J19-6203-04 | UNIT HOLDER | | |
| 670 | 2B | * | J19-6080-05 | UNIT HOLDER | | |
| 672 | 1C | | J42-0083-05 | POWER CORD BUSHING | Y1X1 | |
| 672 | 1C | | J42-0157-05 | POWER CORD BUSHING | E2 | |
| 672 | 1C | | J42-0157-05 | POWER CORD BUSHING | KP1K1 | |
| 672 | 1C | | J42-0157-05 | POWER CORD BUSHING | P2E1M1 | |
| - | | | J61-0307-05 | WIRE BAND | | |
| 675 | 2D | | K27-2388-04 | KNOB (BUTTON) | M1X1E2 | |
| 675 | 2D | | K27-2388-04 | KNOB (BUTTON) | V | |
| 675 | 2D | | K27-2398-04 | KNOB (BUTTON) | E1Y1 | |
| 676 | 1D | | K29-7727-04 | KNOB | M1X1E2 | |

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|-----------------------------------------------------------|----------|-----------|---------------|-------------------|--------------|----------|
| 676 | 1D | | K29-7727-04 | KNOB | V | |
| 676 | 1D | | K29-7729-04 | KNOB | KP1K1 | |
| 676 | 1D | | K29-7729-04 | KNOB | P2E1Y1 | |
| 677 | 2E | | K29-7739-13 | KNOB | M1X1E2 | |
| 677 | 2E | | K29-7739-13 | KNOB | V | |
| 677 | 2E | | K29-7740-13 | KNOB | KP1K1 | |
| 677 | 2E | | K29-7740-13 | KNOB | P2E1Y1 | |
| 678 | 2D | | K29-7742-04 | KNOB | M1X1E2 | |
| 678 | 2D | | K29-7742-04 | KNOB | V | |
| 678 | 2D | | K29-7743-04 | KNOB | KP1K1 | |
| 678 | 2D | | K29-7743-04 | KNOB | P2E1Y1 | |
| Δ 680 | 1A | * | L07-2941-05 | POWER TRANSFORMER | KP1K1 | |
| Δ 680 | 1A | * | L07-2941-05 | POWER TRANSFORMER | P2 | |
| Δ 680 | 1A | * | L07-2942-05 | POWER TRANSFORMER | E1E2 | |
| Δ 680 | 1A | * | L07-2943-05 | POWER TRANSFORMER | Y1M1 | |
| Δ 680 | 1A | * | L07-2944-05 | POWER TRANSFORMER | X1 | |
| Δ 680 | 1A | * | L07-2950-05 | POWER TRANSFORMER | V | |
| 681 | 1C | * | L92-0533-05 | FERRITE CORE | | |
| 682 | 2C | * | L92-0531-05 | FERRITE CORE | | |
| 685 | 1A | * | T90-0850-15 | ANTENNA ASSY | KP1K1 | |
| 685 | 1A | * | T90-0850-15 | ANTENNA ASSY | P2 | |
| 686 | 1A | * | T90-0852-05 | LOOP ANTENNA | | |
| 687 | 1A | * | T90-0855-05 | LEAD WIRE ANTENNA | | |
| 688 | 1B | * | DP40203SG270 | THERMISTOR | | |
| RF-RC DEMODULATOR UNIT (X05-5100-11) K,P type only | | | | | | |
| C1 | .2 | | CC73GCH1H100D | CHIP C | 10PF | D |
| C5 | | | CK73GB1E223K | CHIP C | 0.022UF | K |
| C6 | | | CC73GCH1H221J | CHIP C | 220PF | J |
| C7 | | | CC73GCH1H100D | CHIP C | 10PF | D |
| C8 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C9 | | | C93-0037-05 | CERAMIC | 10UF | 10WV |
| C10 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C11 | | | CC73GCH1H040C | CHIP C | 4.0PF | C |
| C12 | | | CC73GCH1H100D | CHIP C | 10PF | D |
| C13 | | | CC73GCH1H040C | CHIP C | 4.0PF | C |
| C14 | | | CC73GCH1H010C | CHIP C | 1.0PF | C |
| C15 | | | CC73GCH1H050C | CHIP C | 5.0PF | C |
| C16 | | | CK73GB1E223K | CHIP C | 0.022UF | K |
| C17 | | | CC73GCH1H221J | CHIP C | 220PF | J |
| C18 | | | CC73GCH1H100D | CHIP C | 10PF | D |
| C19 | | | CC73GCH1H471J | CHIP C | 470PF | J |
| C20 | | | C93-0037-05 | CERAMIC | 10UF | 10WV |
| C21 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C22 | .23 | | CC73GCH1H150J | CHIP C | 15PF | J |
| C24 | | | CK73GB1H102K | CHIP C | 1000PF | K |
| C25 | | | CK73GB1E103K | CHIP C | 0.010UF | K |
| C26 | | | CK73GF1A474Z | CHIP C | 0.47UF | Z |
| C27 | | | C93-0036-05 | CHIP-C | 4.7UF | Z |
| C28 | | | CK73GB1E103K | CHIP C | 0.010UF | K |
| C29 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C30 | | | CK73GB1E103K | CHIP C | 0.010UF | K |
| C31 | | | C93-0037-05 | CERAMIC | 10UF | 10WV |
| C32 | | | CK73GB1C473K | CHIP C | 0.047UF | K |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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|---------|----------|-----------|---------------|---------------------------------|--------------|----------|
| C33 | | | C93-0036-05 | CHIP-C 4.7UF Z | | |
| C34 | | | CC73GCH1H471J | CHIP C 470PF J | | |
| C35 | | | CK73GB1E103K | CHIP C 0.010UF K | | |
| C36 | | | CK73GF1C224Z | CHIP C 0.22UF Z | | |
| C37 | | | CC73GCH1H100D | CHIP C 10PF D | | |
| C38 | | | CK73GB1H472K | CHIP C 4700PF K | | |
| C39 | | | CC73GCH1H331J | CHIP C 330PF J | | |
| C40 | | | CK73GB1E103K | CHIP C 0.010UF K | | |
| C41 | | | C93-0036-05 | CHIP-C 4.7UF Z | | |
| C42 | | | C93-0037-05 | CERAMIC 10UF 10WV | | |
| C43 | | | C93-0039-05 | CERAMIC 22UF 10WV | | |
| CN1 | | | E40-8530-05 | FLAT CABLE CONNECTOR | | |
| J1 | | | E11-0904-05 | MINIATURE PHONE JACK(STEREO MI) | | |
| CF1 | | | L72-0626-05 | CERAMIC FILTER | | |
| L1 | | | L79-1269-05 | LC FILTER | | |
| L2 | | | L40-1585-67 | SMALL FIXED INDUCTOR(150N,J,20) | | |
| L3 | | | L32-1021-05 | FM OSCILLATING COIL | | |
| L4 | | | L40-1085-67 | SMALL FIXED INDUCTOR(100N,J,20) | | |
| X1 | | | L77-2274-05 | CRYSTAL RESONATOR | | |
| R1 | | | RK73GB1J431J | CHIP R 430 J 1/16W | | |
| R2 | | | RK73GB1J120J | CHIP R 12 J 1/16W | | |
| R3 | | | RK73GB1J431J | CHIP R 430 J 1/16W | | |
| R10 | | | RK73GB1J331J | CHIP R 330 J 1/16W | | |
| R11 | | | RK73GB1J391J | CHIP R 390 J 1/16W | | |
| R12 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R13 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R14 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R15 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R16 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R17 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R18 | | | RK73GB1J184J | CHIP R 180K J 1/16W | | |
| R19 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R20 ,21 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R22 -24 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R25 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R26 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R27 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R28 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R29 -31 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R32 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R33 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R34 ,35 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R36 ,37 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R38 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R39 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R40 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R41 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R42 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R43 ,44 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R45 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R46 | | | RK73GB1J562J | CHIP R 5.6K J 1/16W | | |
| R47 -49 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R50 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |

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|-------------------------------------|----------|-----------|-----------------|----------------------------|--------------|----------|
| R51 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R52 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R53 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R54 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| D1 ,2 | | | MA111 | DIODE | | |
| D3 | | | KV1832E | VARIABLE CAPACITANCE DIODE | | |
| D4 | | | MA111 | DIODE | | |
| IC1 | | | UPC1687G | ANALOGUE IC | | |
| IC2 | | | LV2105V | MOS-IC | | |
| IC3 | | | UPC2748T-E3 | ANALOGUE IC | | |
| Q3 | | | 2SC5065(O,Y) | TRANSISTOR | | |
| Q4 -6 | | | 2SC4178(F13,14) | TRANSISTOR | | |
| Q7 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q7 | | | 2SB1218A(Q,R) | TRANSISTOR | | |
| Q8 -10 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q8 -10 | | | 2SD1819A(Q,R) | TRANSISTOR | | |
| Q11 ,12 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q11 ,12 | | | 2SB1218A(Q,R) | TRANSISTOR | | |
| TUNER UNIT (X05-513/514X-XX) | | | | | | |
| C1 | | | CK73FB1H332K | CHIP C 3300PF K | | |
| C2 | | | CK73FB1H103K | CHIP C 0.010UF K | | E1E2 |
| C3 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C5 ,6 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C7 | | | CE04KW1C470M | ELECTRO 47UF 16WV | | |
| C10 | | | CE04KW1C470M | ELECTRO 47UF 16WV | | |
| C11 ,12 | | | CK73FB1H473K | CHIP C 0.047UF K | | |
| C14 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C15 | | | CE04KW1H010M | ELECTRO 1.0UF 50WV | | |
| C16 | | | CE04RW1HR47M | ELECTRO 0.47UF 50WV | | |
| C17 | | | CE04KW1H010M | ELECTRO 1.0UF 50WV | | |
| C18 | | | CC73FCH1H470J | CHIP C 47PF J | | |
| C19 | | | CE04RW1A100M | ELECTRO 10UF 10WV | | |
| C20 | | | CK73FB1H473K | CHIP C 0.047UF K | | |
| C21 | | | CE04RW1V3R3M | ELECTRO 3.3UF 35WV | | |
| C22 | | | CK73FB1H473K | CHIP C 0.047UF K | | |
| C23 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C24 | | | CC73FCH1H331J | CHIP C 330PF J | | |
| C25 | | | CC73FCH1H181J | CHIP C 180PF J | | KP1K1 |
| C25 | | | CC73FCH1H181J | CHIP C 180PF J | | P2E1E2 |
| C25 | | | CC73FCH1H331J | CHIP C 330PF J | | V |
| C25 | | | CC73FCH1H331J | CHIP C 330PF J | | Y1M1X1 |
| C26 | | | CK73FB1H183K | CHIP C 0.018UF K | | |
| C27 | | | CE04HW1E4R7M | NP-ELEC 4.7UF 25WV | | |
| C28 ,29 | | | CE04KW1H2R2M | ELECTRO 2.2UF 50WV | | |
| C30 ,31 | | | CK73FB1H223K | CHIP C 0.022UF K | | E1Y1M1 |
| C30 ,31 | | | CK73FB1H223K | CHIP C 0.022UF K | | X1E2V |
| C30 ,31 | | | CK73FB1H333K | CHIP C 0.033UF K | | KP1K1 |
| C30 ,31 | | | CK73FB1H333K | CHIP C 0.033UF K | | P2 |
| C32 | | | CE04KW1H4R7M | ELECTRO 4.7UF 50WV | | |
| C33 ,34 | | | CK73FB1H103K | CHIP C 0.010UF K | | Y1M1V |
| C36 | | | CK73FB1H103K | CHIP C 0.010UF K | | |
| C37 ,38 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C41 | | | CC73FCH1H470J | CHIP C 47PF J | | |
| C42 | | | CC73FCH1H270J | CHIP C 27PF J | | |

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|---------|----------|-----------|--------------|------------------------------|--------------|----------|
| R50 | | | RD14NB2E471J | RD 470 J 1/4W | | |
| R51 | | | RK73FB2A562J | CHIP R 5.6K J 1/10W | | |
| R52 | | | RK73FB2A101J | CHIP R 100 J 1/10W | | |
| R53 | | | RK73FB2A222J | CHIP R 2.2K J 1/10W | | |
| R54 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R55 | | | RK73FB2A333J | CHIP R 33K J 1/10W | | |
| R56 .57 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R58 | | | RK73FB2A123J | CHIP R 12K J 1/10W | | |
| R59 | | | RK73FB2A122J | CHIP R 1.2K J 1/10W | | |
| R72 .73 | | | RK73FB2A333J | CHIP R 33K J 1/10W | KP1K1 | |
| R72 .73 | | | RK73FB2A333J | CHIP R 33K J 1/10W | P2Y1M1 | |
| R72 .73 | | | RK73FB2A392J | CHIP R 3.9K J 1/10W | X1V | |
| R74 | | | RK73FB2A473J | CHIP R 47K J 1/10W | E1E2 | |
| R75 | | | RK73FB2A822J | CHIP R 8.2K J 1/10W | | |
| R76 | | | RK73FB2A182J | CHIP R 1.8K J 1/10W | | |
| R78 | | | RK73FB2A821J | CHIP R 820 J 1/10W | | |
| R79 | | | RK73FB2A332J | CHIP R 3.3K J 1/10W | | |
| R80 | | | RK73FB2A223J | CHIP R 22K J 1/10W | E1E2 | |
| R81 | | | RS14KB3A151J | FL-PROOF RS 150 J 1W | | |
| R82 | | | RK73FB2A272J | CHIP R 2.7K J 1/10W | | |
| R83 | | | RK73FB2A102J | CHIP R 1.0K J 1/10W | | |
| R84 | | | RK73EB2B332J | CHIP R 3.3K J 1/8W | | |
| R85 -87 | | | RK73FB2A333J | CHIP R 33K J 1/10W | | |
| R88 | | | RK73FB2A563J | CHIP R 56K J 1/10W | | |
| R89 | | | RK73FB2A333J | CHIP R 33K J 1/10W | | |
| R90 | | | RK73FB2A681J | CHIP R 680 J 1/10W | | |
| VR1 | | | R32-0037-05 | SEMI FIXED VARIABLE RESISTOR | | |
| W51 .52 | | | R92-0670-05 | CHIP R 0 OHM | | |
| W54 .55 | | | R92-0670-05 | CHIP R 0 OHM | | |
| W56 | | | R92-0670-05 | CHIP R 0 OHM | Y1M1V | |
| W59 .60 | | | R92-0670-05 | CHIP R 0 OHM | | |
| W62 | | | R92-0670-05 | CHIP R 0 OHM | | |
| W80 | | | R92-0679-05 | CHIP R 0 OHM | | |
| W82 -85 | | | R92-0679-05 | CHIP R 0 OHM | KP1K1 | |
| W82 -85 | | | R92-0679-05 | CHIP R 0 OHM | P2Y1M1 | |
| W82 -85 | | | R92-0679-05 | CHIP R 0 OHM | X1V | |
| W84 .85 | | | R92-0679-05 | CHIP R 0 OHM | E1E2 | |
| S1 | | | S62-0034-05 | SLIDE SWITCH | Y1M1V | |
| D1 | | | DA204U | DIODE | | |
| D1 | | | MA143A | DIODE | | |
| D1 | | | 1SS302 | DIODE | | |
| D3 | | | MTZJ8.2(B) | ZENER DIODE | | |
| D3 | | | RD8.2ES(B2) | ZENER DIODE | | |
| D4 | | | MTZJ5.1(B) | ZENER DIODE | | |
| D4 | | | RD5.1ES(B2) | ZENER DIODE | | |
| D5 | | | MTZJ2.7(B) | ZENER DIODE | | |
| D5 | | | RD2.7ES(B2) | ZENER DIODE | | |
| D8 | | | MA111 | DIODE | | |
| D9 | | | MTZJ3.3(B) | ZENER DIODE | | |
| D9 | | | RD3.3ES(B2) | ZENER DIODE | | |
| D11 | | | MA111 | DIODE | E1E2 | |
| D13 | | | MA111 | DIODE | | |
| IC1 | | | LA1837 | ANALOGUE IC | | |

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|-----------------------------------------------|----------|-----------|---------------|-------------------|--------------|----------|
| IC2 | | | LC72131 | MOS-IC | | |
| Q1 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q1 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| Q2 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q2 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| Q3 .4 | | | 2SC4081(R,S) | TRANSISTOR | | Y1M1V |
| Q3 .4 | | | 2SC4116(Y,GR) | TRANSISTOR | | Y1M1V |
| Q6 .7 | | | 2SC4081(R,S) | TRANSISTOR | | E1E2 |
| Q6 .7 | | | 2SC4116(Y,GR) | TRANSISTOR | | E1E2 |
| Q10 .11 | | | 2SD1757K | TRANSISTOR | | |
| Q12 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q12 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| Q14 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q14 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| A1 | | | W02-2584-05 | FM FRONT-END ASSY | | E1E2 |
| A1 | | | W02-2622-05 | FM FRONT-END ASSY | | KP1K1 |
| A1 | | | W02-2622-05 | FM FRONT-END ASSY | | P2Y1M1 |
| A1 | | | W02-2622-05 | FM FRONT-END ASSY | | X1V |
| POWER AMPLIFIER UNIT (X07-334/335X-XX) | | | | | | |
| C1 -4 | | | CE04KW1H3R3M | ELECTRO 3.3UF | | 50WV |
| C5 .6 | | | CC45FSL1H680J | CERAMIC 68PF | | J |
| C11 .12 | | | CK45FB1H222K | CERAMIC 2200PF | | K |
| C13 .14 | | | CC45FCH1H050C | CERAMIC 5.0PF | | C |
| C15 .16 | | | CC45FSL1H101J | CERAMIC 100PF | | J |
| C17 .18 | | | CE04KW1H100M | ELECTRO 10UF | | 50WV |
| C19 .20 | | | CK45FF1H103Z | CERAMIC 0.010UF | | Z |
| C21 .22 | | | CC45FSL1H151J | CERAMIC 150PF | | J |
| C23 .24 | | | CC45FSL2H470J | CERAMIC 47PF | | J |
| C25 .26 | | | CC45FSL1H070D | CERAMIC 7.0PF | | D |
| C27 .28 | | | CE04KW1A221M | ELECTRO 220UF | | 10WV |
| C51 -54 | | | CE04KW1H3R3M | ELECTRO 3.3UF | | 50WV |
| C55 .56 | | | CC45FSL1H680J | CERAMIC 68PF | | J |
| C61 .62 | | | CK45FB1H222K | CERAMIC 2200PF | | K |
| C63 .64 | | | CC45FCH1H050C | CERAMIC 5.0PF | | C |
| C65 .66 | | | CC45FSL1H101J | CERAMIC 100PF | | J |
| C67 .68 | | | CE04KW1H100M | ELECTRO 10UF | | 50WV |
| C69 .70 | | | CK45FF1H103Z | CERAMIC 0.010UF | | Z |
| C71 .72 | | | CC45FSL1H151J | CERAMIC 150PF | | J |
| C73 .74 | | | CC45FSL2H470J | CERAMIC 47PF | | J |
| C75 .76 | | | CC45FSL1H070D | CERAMIC 7.0PF | | D |
| C77 .78 | | | CE04KW1A221M | ELECTRO 220UF | | 10WV |
| C101 .102 | | | CE04KW1H3R3M | ELECTRO 3.3UF | | 50WV |
| C103 | | | CC45FSL1H680J | CERAMIC 68PF | | J |
| C106 | | | CK45FB1H222K | CERAMIC 2200PF | | K |
| C107 | | | CC45FCH1H050C | CERAMIC 5.0PF | | C |
| C108 | | | CC45FSL1H101J | CERAMIC 100PF | | J |
| C109 | | | CE04KW1A221M | ELECTRO 220UF | | 10WV |
| C110 | | | CK45FF1H103Z | CERAMIC 0.010UF | | Z |
| C111 | | | CE04KW1H100M | ELECTRO 10UF | | 50WV |
| C112 | | | CC45FSL1H151J | CERAMIC 150PF | | J |
| C113 | | | CC45FSL2H470J | CERAMIC 47PF | | J |
| C114 | | | CC45FSL1H070D | CERAMIC 7.0PF | | D |
| C115 | | | CE04KW1H220M | ELECTRO 22UF | | 50WV |
| C116 | | | CE04KW1E470M | ELECTRO 47UF | | 25WV |

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|----------|---------|-----------|---------------|----------------------|-------------|---------|
| C117 | | | CE04KW1H220M | ELECTRO | 50WV | |
| C118 | | | CC45FSL1H101J | CERAMIC | 100PF | |
| C119 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C201-205 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C251-254 | | | CF92FV1H224J | MF-C | 0.22UF | J |
| C251-254 | | | CF92FV1H224J | MF-C | 0.22UF | J |
| C255,256 | | | CF92FV1H104J | MF-C | 0.10UF | J |
| C255,256 | | | CF92FV1H104J | MF-C | 0.10UF | J |
| C257,258 | | | CQ93FMG1H272J | MYLAR | 2700PF | J |
| C259-262 | | | CF92FV1H224J | MF-C | 0.22UF | J |
| C259-262 | | | CF92FV1H224J | MF-C | 0.22UF | J |
| C263,264 | | | CF92FV1H104J | MF-C | 0.10UF | J |
| C263,264 | | | CF92FV1H104J | MF-C | 0.10UF | J |
| C265,266 | | | CQ93FMG1H393J | MYLAR | 0.039UF | J |
| C267,268 | | | CK45FB1H102K | CERAMIC | 1000PF | K |
| C269,270 | | | CF92FV1H224J | MF-C | 0.22UF | J |
| C269,270 | | | CF92FV1H224J | MF-C | 0.22UF | J |
| C271 | | | CF92FV1H104J | MF-C | 0.10UF | J |
| C271 | | | CF92FV1H104J | MF-C | 0.10UF | J |
| C301 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C302 | | | CE04KW1H4R7M | ELECTRO | 4.7UF | 50WV |
| C303 | | | CE04KW1H220M | ELECTRO | 22UF | 50WV |
| C304 | | | CE04KW1H470M | ELECTRO | 47UF | 50WV |
| C305 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C306,307 | | | GE04KW2A100M | ELECTRO | 10UF | 100WV |
| C308 | | | CE04KW2A470M | ELECTRO | 47UF | 100WV |
| C309,310 | | | CE04KW2A220M | ELECTRO | 22UF | 100WV |
| C351,352 | | | CE04KW2A100M | ELECTRO | 10UF | 100WV |
| C401,402 | | | C90-3868-05 | ELECTRO | 8200UF | 73WV |
| C403 | | | C91-1422-05 | MP | 0.10UF | 250WV |
| C404 | | | CK45FE2H103P | CERAMIC | 0.010UF | P |
| C404 | | | CK45FE2H103P | CERAMIC | 0.010UF | P |
| C405,406 | | | CK45FE2H103P | CERAMIC | 0.010UF | P |
| C451 | | | CQ93FMG1H473J | MYLAR | 0.047UF | J |
| C452 | | | GE04KW1E102M | ELECTRO | 1000UF | 25WV |
| C453 | | | C91-1488-05 | MF | 6800PF | 250VAC |
| C454 | | | C91-1488-05 | MF | 6800PF | 250VAC |
| C455 | | * | C91-1627-05 | POLYESTE | 0.1UF | 250VAC |
| C456 | | | CK45FF1H103Z | CERAMIC | 0.010UF | Z |
| C567-571 | | | CC45FSL1H221J | CERAMIC | 220PF | J |
| CN1 | | | E40-4879-05 | PIN ASSY | | |
| CN3 | | | E40-8251-05 | FLAT CABLE CONNECTOR | | |
| CN4 | | | E40-8255-05 | FLAT CABLE CONNECTOR | | |
| CN5 | | | E40-4294-05 | FLAT CABLE CONNECTOR | | |
| CN6 | | | E40-3247-05 | PIN ASSY | | |
| CN7 | | | E40-3246-05 | PIN ASSY | | |
| CN8 | | | E40-3247-05 | PIN ASSY | | |
| CN10 | | | E40-4245-05 | PIN ASSY | | |
| CN11 | | | E40-4245-05 | PIN ASSY | | |
| CN11 | | | E40-4245-05 | PIN ASSY | | |
| CN12 | | | E40-4281-05 | PIN ASSY | | |
| J1 | | * | E70-0131-05 | SCREW TERMINAL BOARD | | |
| J2 | | | E03-0148-05 | AC OUTLET | | |
| J2 | | | E03-0148-05 | AC OUTLET | | |

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| J2 | | | E03-0149-05 | AC OUTLET | E1M1E2 | |
| J2 | | | E03-0325-05 | AC OUTLET | X1 | |
| J2 | | | E03-0361-05 | AC OUTLET | V | |
| F1 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | Y1M1 | |
| F1 | | | F05-4025-05 | FUSE (SEMKO) (250V T4A L) | E1X1E2 | |
| F1 | | | F50-0078-05 | FUSE(5X20) | KP1K1 | |
| F1 | | | F50-0078-05 | FUSE(5X20) | P2 | |
| F1 | | | F50-0112-05 | FUSE(5X20) | V | |
| F2 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | Y1M1 | |
| F3 | | | F05-2525-05 | FUSE (SEMKO) (250V T2.5AL) | E1E2 | |
| FAN | 1B | | F09-0139-05 | FAN | | |
| CN31,32 | | | J13-0075-05 | FUSE CLIP | | |
| CN33,34 | | | J13-0075-05 | FUSE CLIP | Y1M1 | |
| CN35,36 | | | J13-0075-05 | FUSE CLIP | E1E2 | |
| E2 | | | J11-0808-05 | WIRE CLAMPER | | |
| L1 -5 | | | L39-0085-05 | PHASE COMPENSATION COIL | | |
| T1 | | * | L07-2936-05 | POWER TRANSFORMER | E1X1E2 | |
| T1 | | * | L07-2936-05 | POWER TRANSFORMER | V | |
| T1 | | * | L07-2937-05 | POWER TRANSFORMER | Y1M1 | |
| T1 | | * | L07-2939-05 | POWER TRANSFORMER | KP1K1 | |
| T1 | | * | L07-2939-05 | POWER TRANSFORMER | P2 | |
| R23 ,24 | | | RD14NB2E101J | RD | 100 | J 1/4W |
| R29 -32 | | | RD14NB2E221J | RD | 220 | J 1/4W |
| R73 ,74 | | | RD14NB2E101J | RD | 100 | J 1/4W |
| R79 -82 | | | RD14NB2E221J | RD | 220 | J 1/4W |
| R112 | | | RD14NB2E101J | RD | 100 | J 1/4W |
| R115,116 | | | RD14NB2E221J | RD | 220 | J 1/4W |
| R155 | | | RD14NB2E220J | RD | 22 | J 1/4W |
| R201-204 | | | RD14NB2E470J | RD | 47 | J 1/4W |
| R205,206 | | | RD14NB2E151J | RD | 150 | J 1/4W |
| R207-210 | | | RD14NB2E101J | RD | 100 | J 1/4W |
| R213-216 | | | RD14NB2E332J | RD | 3.3K | J 1/4W |
| R229,230 | | | RD14NB2E220J | RD | 22 | J 1/4W |
| R251-254 | | | RD14NB2E470J | RD | 47 | J 1/4W |
| R255,256 | | | RD14NB2E151J | RD | 150 | J 1/4W |
| R257-260 | | | RD14NB2E101J | RD | 100 | J 1/4W |
| R263-266 | | | RD14NB2E332J | RD | 3.3K | J 1/4W |
| R279,280 | | | RD14NB2E220J | RD | 22 | J 1/4W |
| R301,302 | | | RD14NB2E470J | RD | 47 | J 1/4W |
| R303 | | | RD14NB2E151J | RD | 150 | J 1/4W |
| R304,305 | | | RD14NB2E101J | RD | 100 | J 1/4W |
| R307,308 | | | RD14NB2E332J | RD | 3.3K | J 1/4W |
| R315 | | | RD14NB2E220J | RD | 22 | J 1/4W |
| R351-355 | | | RS14KB3D2R7J | FL-PROOF RS | 2.7 | J 2W |
| R356-359 | | | RD14NB2E271J | RD | 270 | J 1/4W |
| R360,361 | | | RS14KB3D471J | FL-PROOF RS | 470 | J 2W |
| R362 | | | RD14NB2E271J | RD | 270 | J 1/4W |
| R394 | | | RD14NB2E100J | RD | 10 | J 1/4W |
| R395 | | | RD14NB2E682J | RD | 6.8K | J 1/4W |
| R398 | | | RD14NB2E272J | RD | 2.7K | J 1/4W |
| R451,452 | | | RD14NB2E560J | RD | 56 | J 1/4W |
| R502 | | | R92-1844-05 | CARBON | 3.3M | J 1/2W |
| R502 | | | R92-1844-05 | CARBON | 3.3M | J 1/2W |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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|------------------------------------------------------|---------|-----------|--------------------------------------------------------------------|-------------------------------------------------------------------------|-------------|---------|
| △ R506 R510 VR1 -5 | | | RD14NB2E1R0J RS14KB3D182J R32-0030-05 | RD 1 J 1/4W FL-PROOF RS 1.8K J 2W SEMI FIXED VARIABLE RESISTOR | | |
| K1 -5 K6 △ S1 | | | S76-0076-05 S76-0106-05 S31-3010-05 | MAGNETIC RELAY MAGNETIC RELAY SLIDE SWITCH | Y1M1 | |
| D1 -4 D1 -4 D11 -14 D11 -14 D21 ,22 | | | HSS104A 1SS133 HSS104A 1SS133 HSS104A | DIODE DIODE DIODE DIODE DIODE | | |
| D21 ,22 D51 ,52 D53 -62 D53 -62 D71 ,72 | | | 1SS133 1SS244 HSS104A 1SS133 1SS244 | DIODE DIODE DIODE DIODE DIODE | | |
| D73 -82 D73 -82 D91 D92 -96 D92 -96 | | | HSS104A 1SS133 1SS244 HSS104A 1SS133 | DIODE DIODE DIODE DIODE DIODE | | |
| △ D100 △ D101,102 D103 D103 D104 | | | RBV-1506LFA S5688B MTZJ13(B) RD13ES(B2) MTZJ15(B) | DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE | | |
| D104 D105,106 D105,106 D107,108 D107,108 | | | RD15ES(B2) MTZJ4.7(B) RD4.7ES(B2) HSS104A 1SS133 | ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE | | |
| D109 D109 D111-115 D111-115 D121,122 | | | MTZJ5.1(B) RD5.1ES(B2) HSS104A 1SS133 MTZJ18(B) | ZENER DIODE ZENER DIODE DIODE DIODE ZENER DIODE | | |
| D121,122 D123,124 D123,124 D251 D251 | | | RD18ES(B2) MTZJ20(B) RD20ES(B2) MTZJ5.1(B) RD5.1ES(B2) | ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE | | |
| D252,253 D252,253 D502 D502 △ D503-508 | | | HSS104A 1SS133 HSS104A 1SS133 S5688B | DIODE DIODE DIODE DIODE DIODE | | |
| △ D509 △ D510 △ D511-513 D511-513 | | | HSS104A 1SS133 S5688B HSS104A 1SS133 | DIODE DIODE DIODE DIODE DIODE | | |
| D514 D514 Q1 ,2 | | | MTZJ4.7(B) RD4.7ES(B2) 2SC2878(B) | ZENER DIODE ZENER DIODE TRANSISTOR | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|------------------------------------------------------------|---------|-----------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------|
| Q3 -6 Q7 ,8 Q9 -12 Q13 ,14 Q13 ,14 | | | 2SA992(F,E) 2SA1123(R,S) 2SC2631(R,S) 2SA1048(Y,GR) 2SA933AS(Q,R) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q51 ,52 Q53 -56 Q57 ,58 Q59 -62 Q63 ,64 | | | 2SC2878(B) 2SA992(F,E) 2SA1123(R,S) 2SC2631(R,S) 2SA1048(Y,GR) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q63 ,64 Q101 Q102,103 Q104,105 Q106 | | | 2SA933AS(Q,R) 2SC2878(B) 2SA992(F,E) 2SC2631(R,S) 2SA1123(R,S) | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q107 Q107 Q108 △ Q108 Q109 | | | 2SA1048(Y,GR) 2SA933AS(Q,R) 2SC1740S(Q,R) 2SC2458(Y,GR) DTC124ESA | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR | | |
| Q109 △ Q201,202 △ Q203,204 Q205,206 Q207,208 | | * | UN4212 TRAIT8N*5 TRAIT8P*5 2SC1845(F,E) 2SA992(F,E) | DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| △ Q251,252 △ Q253,254 Q255,256 Q257,258 △ Q301 | | * | TRAIT8N*5 TRAIT8P*5 2SC1845(F,E) 2SA992(F,E) TRAIT8N*5 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| △ Q302 Q303 Q304 Q351-354 Q351-354 | | * | TRAIT8P*5 2SC1845(F,E) 2SA992(F,E) DTC113ZSA UN4219 | TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR | | |
| Q381,382 Q383,384 Q401 Q401 Q402,403 | | | 2SC1845(F,E) 2SA992(F,E) DTC124ESA UN4212 DTC113ZSA | TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR | | |
| △ Q402,403 △ Q404 Q405,406 Q405,406 △ Q407 | | | UN4219 2SD2012 2SC1740S(Q,R) 2SC2458(Y,GR) 2SA1110(R,S) | DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | | |
| Q408 Q530 Q530 | | | 2SC2003(L,K) 2SA1048(Y,GR) 2SA933AS(Q,R) | TRANSISTOR TRANSISTOR TRANSISTOR | | |
| SURROUND UNIT (X08-309/310X-XX) | | | | | | |
| C1 C2 C4 C11 C12 | | | CC73GCH1H470J CK73GB1H103K CC73GCH1H470J CC73GCH1H470J CK73GB1H103K | CHIP C CHIP C CHIP C CHIP C CHIP C | 47PF 0.010UF 47PF 47PF 0.010UF | J K J J K |

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|-----------|----------|-----------|---------------|-------------|--------------|----------|
| C14 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C15 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C21 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C22 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C24 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C31 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C32 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C34 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C35 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C41 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C42 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C44 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C51 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C52 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C54 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C55 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C61 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C62 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C64 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C71 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C72 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C73 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C74 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C75 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C76 | | | CC73GCH1H270J | CHIP C | 27PF | J |
| C101 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C102 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C103, 104 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C105 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C107-109 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C110 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C111 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C112 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C113 | | | CC73GCH1H150J | CHIP C | 15PF | J |
| C114 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C116 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C201 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C202 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C203 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C205 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C206 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C207 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C208 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C212 | | | CC73GCH1H470J | CHIP C | 47PF | J |
| C213-216 | | | CC73GCH1H471J | CHIP C | 470PF | J |
| C221,222 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C223,224 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C225,226 | | | CC73GCH1H151J | CHIP C | 150PF | J |
| C227,228 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C229,230 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C231,232 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C233,234 | | | CK73GB1H222K | CHIP C | 2200PF | K |
| C235,236 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C301 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C302 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |

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|----------|----------|-----------|---------------|-------------|--------------|----------|
| C303 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C304 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C305 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C306 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C307 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C311,312 | | | CQ93FMG1H272J | MYLAR | 2700PF | J |
| C313,314 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C315-320 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C321,322 | | | CQ93FMG1H223J | MYLAR | 0.022UF | J |
| C323,324 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C325,326 | | | CQ93FMG1H102J | MYLAR | 1000PF | J |
| C327,328 | | | CQ93FMG1H472J | MYLAR | 4700PF | J |
| C329,330 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C331,332 | | | CC73GCH1H050C | CHIP C | 5.0PF | C |
| C351 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C352 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C353 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C354 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C355 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C356 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C357 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C361,362 | | | CQ93FMG1H272J | MYLAR | 2700PF | J |
| C363,364 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C365-370 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C371,372 | | | CQ93FMG1H223J | MYLAR | 0.022UF | J |
| C373,374 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C375,376 | | | CQ93FMG1H102J | MYLAR | 1000PF | J |
| C377,378 | | | CQ93FMG1H472J | MYLAR | 4700PF | J |
| C379,380 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C381,382 | | | CC73GCH1H050C | CHIP C | 5.0PF | C |
| C401 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C402 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C403 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C404 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C405 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C406 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C407 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C411 | | | CQ93FMG1H272J | MYLAR | 2700PF | J |
| C412 | | | CQ93FMG1H103J | MYLAR | 0.010UF | J |
| C413,414 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C415-417 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C418 | | | CK73GB1H272K | CHIP C | 2700PF | K |
| C419,420 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C421,422 | | | CQ93FMG1H223J | MYLAR | 0.022UF | J |
| C423,424 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C425 | | | CQ93FMG1H102J | MYLAR | 1000PF | J |
| C426 | | | CQ93FMG1H272J | MYLAR | 2700PF | J |
| C427 | | | CQ93FMG1H472J | MYLAR | 4700PF | J |
| C428 | | | CQ93FMG1H223J | MYLAR | 0.022UF | J |
| C429,430 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C431,432 | | | CC73GCH1H050C | CHIP C | 5.0PF | C |
| C451 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C452 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C453 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C454 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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|----------|---------|-----------|---------------|------------------------------|-------------|---------|
| C455 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C456 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C457 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C461,462 | | | CQ93FMG1H272J | MYLAR 2700PF J | | |
| C463,464 | | | CC73GCH1H220J | CHIP C 22PF J | | |
| C465-470 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C471,472 | | | CQ93FMG1H223J | MYLAR 0.022UF J | | |
| C473,474 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C475,476 | | | CQ93FMG1H102J | MYLAR 1000PF J | | |
| C477,478 | | | CQ93FMG1H472J | MYLAR 4700PF J | | |
| C479,480 | | | CC73GCH1H101J | CHIP C 100PF J | | |
| C481,482 | | | CC73GCH1H050C | CHIP C 5.0PF C | | |
| C601-605 | | | CC73GCH1H102J | CHIP C 1000PF J | | |
| C606,607 | | | CC73GCH1H090D | CHIP C 9.0PF D | | |
| C608-630 | | | CC73GCH1H102J | CHIP C 1000PF J | | |
| C631 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C632-634 | | | CC73GCH1H102J | CHIP C 1000PF J | | |
| C701-706 | | | CC73GCH1H102J | CHIP C 1000PF J | | |
| C707 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C801,802 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C803 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C804 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C805 | | | CC73GCH1H102J | CHIP C 1000PF J | | |
| C806 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C951 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C954 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| C955 | | | CE04DW1A102M | ELECTRO 1000UF 10WV | | |
| C956 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C958 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C959 | | | CE04KW1H100M | ELECTRO 10UF 50WV | | |
| C960 | | | CC73GCH1H102J | CHIP C 1000PF J | | |
| C961 | | | CK73GB1H103K | CHIP C 0.010UF K | | |
| C963 | | | CE04KW1A101M | ELECTRO 100UF 10WV | | |
| C965 | | | CE04KW1E470M | ELECTRO 47UF 25WV | | |
| CN1 ,2 | | | E40-9836-05 | SOCKET FOR PIN ASSY | | |
| CN3 | | | E40-9832-05 | SOCKET FOR PIN ASSY | | |
| J1 | | | E63-1128-05 | PIN JACK | K1P2 | |
| J2 | | | E63-1129-05 | PIN JACK | E2V | |
| J2 | | | E63-1129-05 | PIN JACK | KP1E1 | |
| J2 | | | E63-1129-05 | PIN JACK | Y1M1X1 | |
| J2 | | | E63-1130-05 | PIN JACK | K1P2 | |
| J3 ,4 | | | E63-1124-05 | PIN JACK | K1P2 | |
| L1 ,2 | | | L40-4795-34 | SMALL FIXED INDUCTOR(4.7UH) | | |
| X1 | | * | L77-2337-05 | CRYSTAL RESONATOR(12.288MHZ) | | |
| X2 | | * | L77-2314-05 | CRYSTAL RESONATOR(33MHZ) | | |
| X3 | | * | L78-0604-05 | RESONATOR (6.00MHZ) | | |
| R1 | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R2 | | | RK73GB1J751J | CHIP R 750 J 1/16W | | |
| R3 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R4 | | | RK73GB1J184J | CHIP R 180K J 1/16W | | |
| R5 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R7 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R11 | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R12 | | | RK73GB1J751J | CHIP R 750 J 1/16W | | |

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|---------|---------|-----------|--------------|---------------------|-------------|---------|
| R13 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R14 | | | RK73GB1J184J | CHIP R 180K J 1/16W | | |
| R15 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R17 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R18 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R21 | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R22 | | | RK73GB1J751J | CHIP R 750 J 1/16W | | |
| R23 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R24 | | | RK73GB1J184J | CHIP R 180K J 1/16W | | |
| R25 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R27 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R31 | | | RK73GB1J750J | CHIP R 75 J 1/16W | K1P2 | |
| R32 | | | RK73GB1J751J | CHIP R 750 J 1/16W | K1P2 | |
| R33 | | | RK73GB1J104J | CHIP R 100K J 1/16W | K1P2 | |
| R34 | | | RK73GB1J184J | CHIP R 180K J 1/16W | K1P2 | |
| R35 | | | RK73GB1J470J | CHIP R 47 J 1/16W | K1P2 | |
| R36 | | | RK73GB1J103J | CHIP R 10K J 1/16W | E2V | |
| R36 | | | RK73GB1J103J | CHIP R 10K J 1/16W | KP1E1 | |
| R36 | | | RK73GB1J103J | CHIP R 10K J 1/16W | Y1M1X1 | |
| R37 | | | RK73GB1J151J | CHIP R 150 J 1/16W | K1P2 | |
| R41 | | | RK73GB1J750J | CHIP R 75 J 1/16W | K1P2 | |
| R42 | | | RK73GB1J751J | CHIP R 750 J 1/16W | K1P2 | |
| R43 | | | RK73GB1J104J | CHIP R 100K J 1/16W | K1P2 | |
| R44 | | | RK73GB1J184J | CHIP R 180K J 1/16W | K1P2 | |
| R45 | | | RK73GB1J470J | CHIP R 47 J 1/16W | K1P2 | |
| R46 | | | RK73GB1J103J | CHIP R 10K J 1/16W | E2V | |
| R46 | | | RK73GB1J103J | CHIP R 10K J 1/16W | KP1E1 | |
| R46 | | | RK73GB1J103J | CHIP R 10K J 1/16W | Y1M1X1 | |
| R47 | | | RK73GB1J151J | CHIP R 150 J 1/16W | K1P2 | |
| R48 | | | RK73FB2A100J | CHIP R 10 J 1/10W | K1P2 | |
| R51 | | | RK73GB1J750J | CHIP R 75 J 1/16W | K1P2 | |
| R52 | | | RK73GB1J751J | CHIP R 750 J 1/16W | K1P2 | |
| R53 | | | RK73GB1J104J | CHIP R 100K J 1/16W | K1P2 | |
| R54 | | | RK73GB1J184J | CHIP R 180K J 1/16W | K1P2 | |
| R55 | | | RK73GB1J470J | CHIP R 47 J 1/16W | K1P2 | |
| R56 | | | RK73GB1J103J | CHIP R 10K J 1/16W | E2V | |
| R56 | | | RK73GB1J103J | CHIP R 10K J 1/16W | KP1E1 | |
| R56 | | | RK73GB1J103J | CHIP R 10K J 1/16W | Y1M1X1 | |
| R57 | | | RK73GB1J151J | CHIP R 150 J 1/16W | K1P2 | |
| R58 | | | RK73FB2A100J | CHIP R 10 J 1/10W | K1P2 | |
| R61 | | | RK73GB1J750J | CHIP R 75 J 1/16W | K1P2 | |
| R62 | | | RK73GB1J751J | CHIP R 750 J 1/16W | K1P2 | |
| R63 | | | RK73GB1J104J | CHIP R 100K J 1/16W | K1P2 | |
| R64 | | | RK73GB1J184J | CHIP R 180K J 1/16W | K1P2 | |
| R65 | | | RK73GB1J470J | CHIP R 47 J 1/16W | K1P2 | |
| R66 | | | RK73GB1J103J | CHIP R 10K J 1/16W | E2V | |
| R66 | | | RK73GB1J103J | CHIP R 10K J 1/16W | KP1E1 | |
| R66 | | | RK73GB1J103J | CHIP R 10K J 1/16W | Y1M1X1 | |
| R67 | | | RK73GB1J151J | CHIP R 150 J 1/16W | K1P2 | |
| R71 | | | RK73FB2A100J | CHIP R 10 J 1/10W | K1P2 | |
| R72 | | | RK73GB1J100J | CHIP R 10 J 1/16W | K1P2 | |
| R73 | | | RK73GB1J221J | CHIP R 220 J 1/16W | K1P2 | |
| R74 ,75 | | | RK73GB1J750J | CHIP R 75 J 1/16W | K1P2 | |
| R76 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R77 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|---------|-----------|--------------|---------------------|--------------|----------|
| R79 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R80 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R101 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R102 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R103,104 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R105 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R106 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R107 | | | RK73GB1J183J | CHIP R 18K J 1/16W | | |
| R108 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R110 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R111 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R112 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R113-117 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R118 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R119 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R120 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R121 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R122 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R123 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R124 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | |
| R125 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R126 | | | RK73FB2A2R2J | CHIP R 2.2 J 1/10W | | |
| R127 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R201 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R202 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R203-206 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R207 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R208,209 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R210 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R211 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R221,222 | | | RK73GB1J273J | CHIP R 27K J 1/16W | | |
| R223,224 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R225,226 | | | RK73GB1J561J | CHIP R 560 J 1/16W | | |
| R227-230 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R233-236 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R301 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R302-304 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R305 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R306 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R307 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R311-314 | | | RK73GB1J182J | CHIP R 1.8K J 1/16W | | |
| R315-318 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R319-322 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R323,324 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R325-328 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R329,330 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R331,332 | | | RK73GB1J121J | CHIP R 120 J 1/16W | | |
| R333,334 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R335,336 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R351 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R352-354 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R355 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R356 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R357 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R361-368 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |

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|----------|---------|-----------|--------------|---------------------|--------------|----------|
| R369-372 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R373,374 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R375-378 | | | RK73GB1J511J | CHIP R 510 J 1/16W | | |
| R379,380 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R381,382 | | | RK73GB1J121J | CHIP R 120 J 1/16W | | |
| R383,384 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R385,386 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R401 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R402-404 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R405 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R406 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R407 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R411,412 | | | RK73GB1J182J | CHIP R 1.8K J 1/16W | | |
| R413,414 | | | RK73GB1J242J | CHIP R 2.4K J 1/16W | | |
| R415,416 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R417,418 | | | RK73GB1J122J | CHIP R 1.2K J 1/16W | | |
| R419 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R420 | | | RK73GB1J273J | CHIP R 27K J 1/16W | | |
| R421 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R422 | | | RK73GB1J273J | CHIP R 27K J 1/16W | | |
| R423,424 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R425 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R426 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R427 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R428 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R429 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R430 | | | RK73GB1J183J | CHIP R 18K J 1/16W | | |
| R431 | | | RK73GB1J121J | CHIP R 120 J 1/16W | | |
| R432 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R433,434 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R435,436 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R451 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R452-454 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R455 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R456 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R457 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R461-468 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R469-472 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R473,474 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R475-478 | | | RK73GB1J511J | CHIP R 510 J 1/16W | | |
| R479,480 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R481,482 | | | RK73GB1J121J | CHIP R 120 J 1/16W | | |
| R483,484 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R485,486 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R550 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R601 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R602-605 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R606,607 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R608 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R609 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R610,611 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R612-615 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R616-618 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R619-621 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R622 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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|------------|----------|-----------|--------------|---------------------|--------------|----------|
| R623 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R624 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R625 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R626 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R627,628 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R629 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R630-639 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R640-648 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R649-652 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R653 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R654,655 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R656 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R657 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R658 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R659-664 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R665-667 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R668 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R669-671 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R672 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R673 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| △ R674 | | | RK73FB2A100J | CHIP R 10 J 1/10W | | |
| R675 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R701-708 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R709,710 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R711-719 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R720 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R721-723 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R724-727 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R728-731 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R732-734 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R801-854 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R855 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R856 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R857 | | | RK73GB1J183J | CHIP R 18K J 1/16W | | |
| R858 | | | RK73GB1J123J | CHIP R 12K J 1/16W | | |
| R859 | | | RK73GB1J183J | CHIP R 18K J 1/16W | | |
| R860 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R861 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R862-864 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R865,866 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R867 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| R868,869 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R871-875 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R876 | | | RK73GB1J512J | CHIP R 5.1K J 1/16W | | |
| R877-895 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R896-900 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R901-905 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R911-915 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R951-954 | | | RK73FB2A181J | CHIP R 180 J 1/10W | | |
| △ R955-960 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| △ R961 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| △ R962-967 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| △ R969-972 | | | RK73FB2A1R0J | CHIP R 1 J 1/10W | | |
| △ R973-976 | | | RK73FB2A390J | CHIP R 39 J 1/10W | | |
| R999 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |

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|---------------------------------------|----------|-----------|---------------|----------------------|--------------|----------|
| D3 -6 | | | DA204U | DIODE | | |
| D3 -6 | | | 1SS302 | DIODE | | |
| IC1 | | | TC74HC04AF | IC(HEX INVERTER SMD) | K1P2 | |
| IC2 | | | TC74HC04AF | IC(HEX INVERTER SMD) | | |
| IC3, 4 | | | TC74HC04AF | IC(HEX INVERTER SMD) | K1P2 | |
| IC5 | | | TC74HC151AF | MOS-IC | | |
| IC6 | | * | AK4112BVF | MOS-IC | | |
| IC7 | | * | AK5383VF | MOS-IC | | |
| IC8, 9 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC11 | | | AK4393-VF | MOS-IC | | |
| IC11 | | * | AK4393VF | MOS-IC | | |
| IC12,13 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC14 | | | AK4393-VF | MOS-IC | | |
| IC14 | | * | AK4393VF | MOS-IC | | |
| IC15,16 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC17 | | | AK4393-VF | MOS-IC | | |
| IC17 | | * | AK4393VF | MOS-IC | | |
| IC18,19 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC20 | | | AK4393-VF | MOS-IC | | |
| IC20 | | * | AK4393VF | MOS-IC | | |
| IC21,22 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC31 | | * | ADSST-A-3525 | MOS-IC | | |
| IC32 | | * | 49BV008A1ALA | MOS-IC | | |
| IC33,34 | | | HY57V16160DTC | MEMORY IC | | |
| IC35 | | | TC7S04F | IC(2CH NAND GATE) | | |
| IC36,37 | | | TC7SHU04FU | MOS-IC | | |
| IC38 | | | TC74HC08AF | MOS-IC | | |
| IC39,40 | | * | TC74LVX573F | MOS-IC | | |
| IC41 | | | TC7SH32F | MOS-IC | | |
| IC42 | | | TC7SH02F | MOS-IC | | |
| IC43 | | * | UPD784224K507 | MI-COM IC | | |
| IC44 | | | TC74VHC125F | MOS-IC | | |
| IC45 | | | TC7WH34FK | MOS-IC | | |
| △ IC51 | | | UPC29L33T | ANALOGUE IC | | |
| △ IC52 | | * | PQ3DZ13 | ANALOGUE IC | | |
| △ IC53,54 | | * | UPC29M05T | ANALOGUE IC | | |
| CONTROL UNIT (X11-389/390X-XX) | | | | | | |
| C1 -14 | | | CC73GCH1H221J | CHIP C 220PF | J | |
| C45 -48 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C49, 50 | | | CE04KW1H470M | ELECTRO 47UF | 50WV | |
| C53, 54 | | | CE04KW1H100M | ELECTRO 10UF | 50WV | |
| C55, 56 | | | CC73GCH1H221J | CHIP C 220PF | J | |
| C57, 58 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | |
| C61, 62 | | | CQ93FMG1H123J | MYLAR 0.012UF | J | |
| C63, 64 | | | CQ93FMG1H332J | MYLAR 3300PF | J | |
| C65, 66 | | | CE04KW1H4R7M | ELECTRO 4.7UF | 50WV | |
| C67, 68 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C69, 70 | | | CC73GCH1H181J | CHIP C 180PF | J | |
| C71 -78 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C81 -84 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C85, 86 | | | CE04KW1H4R7M | ELECTRO 4.7UF | 50WV | |
| C87 -90 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C91, 92 | | | CE04KW1H010M | ELECTRO 1.0UF | 50WV | |
| C93, 94 | | | CE04KW1H2R2M | ELECTRO 2.2UF | 50WV | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------------------------------------------------------|----------|-----------|----------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------|-----------------------------|
| C95 -100 C101,102 C103,104 C105-107 C108 | | | CC73GCH1H101J CE04KW1H4R7M CC73GCH1H101J CC73GCH1H102J CE04KW1H220M | CHIP C ELECTRO CHIP C CHIP C ELECTRO | 100PF 4.7UF 100PF 1000PF 22UF | J 50WV J J 50WV |
| C111,112 C113,114 C115,116 C117-120 C121,122 | | | CC73GCH1H101J CC73GCH1H561J CC73GCH1H101J CK73FB1C104K CC73GCH1H101J | CHIP C CHIP C CHIP C CHIP C CHIP C | 100PF 560PF 100PF 0.10UF 100PF | J J J K J |
| C123,124 C125,126 C127,128 C129,130 C131,132 | | | CE04KW1H4R7M CC45FSL1H820J CE04KW1H220M CC45FSL1H330J CC73GCH1H101J | ELECTRO CERAMIC ELECTRO CERAMIC CHIP C | 4.7UF 82PF 22UF 33PF 100PF | 50WV J 50WV J J |
| C133 C135 C137 C138 C139,140 | | | CE04KW1H100M CC73GCH1H101J CC45FSL1H020C CC45FSL1H030C CC73GCH1H101J | ELECTRO CHIP C CERAMIC CERAMIC CHIP C | 10UF 100PF 2.0PF 3.0PF 100PF | 50WV J C C J |
| C141,142 C143,144 C145,146 C147-150 C151,152 | | | CE04KW1H4R7M CC73GCH1H101J CC73GCH1H561J CK73FB1C104K CE04KW1H4R7M | ELECTRO CHIP C CHIP C CHIP C ELECTRO | 4.7UF 100PF 560PF 0.10UF 4.7UF | 50WV J J K 50WV |
| C153,154 C155,156 C157,158 C159-163 C165 | | | CC45FSL1H470J CE04KW1H220M CC45FSL1H330J CC73GCH1H101J CC45FSL1H020C | CERAMIC ELECTRO CERAMIC CHIP C CERAMIC | 47PF 22UF 33PF 100PF 2.0PF | J 50WV J C C |
| C166 C167 C169,170 C181,182 C183,184 | | | CC45FSL1H030C CE04KW1H100M CC73GCH1H101J CE04KW1H4R7M CC73GCH1H101J | CERAMIC ELECTRO CHIP C ELECTRO CHIP C | 3.0PF 10UF 100PF 4.7UF 100PF | C 50WV J 50WV J |
| C191,192 C193,194 C195,196 C197 C198 | | | CE04KW1H4R7M CC45FSL1H470J CE04KW1H220M CC45FSL1H330J CC45FSL1H101J | ELECTRO CERAMIC ELECTRO CERAMIC CERAMIC | 4.7UF 47PF 22UF 33PF 100PF | 50WV J 50WV J J |
| C199-204 C205,206 C207 C209,210 C211,212 | | | CC73GCH1H101J CC45FSL1H020C CE04KW1H100M CC73GCH1H101J CE04KW1H4R7M | CHIP C CERAMIC ELECTRO CHIP C ELECTRO | 100PF 2.0PF 10UF 100PF 4.7UF | J C 50WV J 50WV |
| C213-216 C221,222 C223,224 C225,226 C227,228 | | | CC73GCH1H101J CE04KW1H4R7M CC45FSL1H470J CE04KW1H220M CC45FSL1H330J | CHIP C ELECTRO CERAMIC ELECTRO CERAMIC | 100PF 4.7UF 47PF 22UF 33PF | J 50WV J 50WV J |
| C229-233 C234 C235 C236 C301-310 | | | CC73GCH1H101J CE04KW1H100M CC45FSL1H020C CC45FSL1H030C CC73GCH1H221J | CHIP C ELECTRO CERAMIC CERAMIC CHIP C | 100PF 10UF 2.0PF 3.0PF 220PF | J 50WV C C J |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------------------------------------------------------|----------|-----------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|-----------------------------------|
| C311,312 C313-318 C351-356 C357-376 C377,378 | | | CC73GCH1H221J CC73GCH1H221J CE04KW1H2R2M CC73GCH1H101J CK73GB1H103K | CHIP C CHIP C ELECTRO CHIP C CHIP C | 220PF 220PF 2.2UF 100PF 0.010UF | J J 50WV J K |
| C381,382 C383,384 C401,402 C403-410 C411,412 | | | CE04KW1H220M CE04KW1H100M CE04KW1H2R2M CC73GCH1H101J CE04KW1H220M | ELECTRO ELECTRO ELECTRO CHIP C ELECTRO | 22UF 10UF 2.2UF 100PF 22UF | 50WV 50WV 50WV J 50WV |
| C413-415 C421 C422,423 C425 C427 | | | CE04KW1H4R7M CE04KW1H100M CC73GCH1H101J CE04KW1H220M CC73GCH1H101J | ELECTRO ELECTRO CHIP C ELECTRO CHIP C | 4.7UF 10UF 100PF 22UF 100PF | 50WV 50WV J 50WV J |
| C431-440 C441,442 C443,444 C451,452 C453,454 | | | CC73GCH1H101J CE04KW1H220M CC73GCH1H101J CE04KW1H2R2M CC73GCH1H101J | CHIP C ELECTRO CHIP C ELECTRO CHIP C | 100PF 22UF 100PF 2.2UF 100PF | J 50WV J 50WV J |
| C455,456 C457-462 C463,464 C465,466 C467 | | | CE04KW1H220M CC73GCH1H101J CE04KW1H4R7M CC73GCH1H101J CE04KW1H100M | ELECTRO CHIP C ELECTRO CHIP C ELECTRO | 22UF 100PF 4.7UF 100PF 10UF | 50WV J 50WV J 50WV |
| C469,470 C471,472 C473,474 C475,476 C477,478 | | | CC73GCH1H101J CE04KW1H010M CC73GCH1H561J CE04KW1H010M CC73GCH1H270J | CHIP C ELECTRO CHIP C ELECTRO CHIP C | 100PF 1.0UF 560PF 1.0UF 27PF | J 50WV J 50WV J |
| C479,480 C481,482 C483,484 C485,486 C487,488 | | | CK73GB1H562K CK73FB1H183K CE04KW1H100M CK73FB1H153K CK73FB1H683K | CHIP C CHIP C ELECTRO CHIP C CHIP C | 5600PF 0.018UF 10UF 0.015UF 0.068UF | K K 50WV K K |
| C489,490 C491-495 C501-506 C509,510 C513-518 | | | CC73GCH1H821J CC73GCH1H101J CC73GCH1H101J CC73GCH1H101J CC73GCH1H101J | CHIP C CHIP C CHIP C CHIP C CHIP C | 820PF 100PF 100PF 100PF 100PF | J J J J J |
| C549,550 C551-554 C555,556 C557,558 C559,560 | | | CC73GCH1H101J CE04KW1H4R7M CC45FSL1H101J CE04KW1H220M CC45FSL1H330J | CHIP C ELECTRO CERAMIC ELECTRO CERAMIC | 100PF 4.7UF 100PF 22UF 33PF | J 50WV J 50WV J |
| C561,562 C563 C564 C565,566 C567 | | | CC73GCH1H101J CC45FSL1H020C CC45FSL1H030C CK73GB1H103K CC73GCH1H101J | CHIP C CERAMIC CERAMIC CHIP C CHIP C | 100PF 2.0PF 3.0PF 0.010UF 100PF | J C C K J |
| C568 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| CN1 CN2 CN3 | | | E40-8319-05 E40-8250-05 E40-8354-05 | FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR | | |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------------------------------------------------------|----------|-----------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|
| CN11 CN12,13 J1 ,2 J1 ,2 J1 ,2 | | * | E40-8318-05 E40-9835-05 E63-1112-05 E63-1112-05 E63-1112-05 | FLAT CABLE CONNECTOR SOCKET FOR PIN ASSY PIN JACK PIN JACK PIN JACK | E2V KP1E1 Y1M1X1 | |
| J1 ,2 J11 J11 J11 J11 J11 | | | E63-1113-05 E63-1111-05 E63-1164-05 E63-1164-05 E63-1164-05 | PIN JACK PIN JACK PIN JACK PIN JACK PIN JACK | K1P2 K1P2 E2V KP1E1 Y1M1X1 | |
| J12 J13 J13 J13 J13 | | | E63-1111-05 E63-1114-05 E63-1114-05 E63-1114-05 E63-1115-05 | PIN JACK PIN JACK PIN JACK PIN JACK PIN JACK | K1P2 E2V KP1E1 Y1M1X1 K1P2 | |
| J14 J14 J14 | | | E63-1163-05 E63-1163-05 E63-1163-05 | PIN JACK PIN JACK PIN JACK | E2V KP1E1 Y1M1X1 | |
| R1 ,2 R3 ,4 R5 -10 R11 ,12 R13 ,14 | | | RK73GB1J102J RK73GB1J222J RK73GB1J102J RK73GB1J222J RK73GB1J102J | CHIP R CHIP R CHIP R CHIP R CHIP R | 1.0K 2.2K 1.0K 2.2K 1.0K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R15 -28 R45 -48 R51 ,52 R53 ,54 R55 ,56 | | | RK73GB1J474J RK73GB1J102J RK73GB1J224J RK73GB1J222J RK73GB1J303J | CHIP R CHIP R CHIP R CHIP R CHIP R | 470K 1.0K 220K 2.2K 30K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R57 ,58 R59 ,60 R61 ,62 R63 ,64 R65 ,66 | | | RK73GB1J361J RK73GB1J101J RK73GB1J274J RK73GB1J223J RK73GB1J473J | CHIP R CHIP R CHIP R CHIP R CHIP R | 360 100 270K 22K 47K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R67 ,68 R72 R75 ,76 R77 ,78 R80 | | | RK73GB1J102J RK73GB1J103J RK73GB1J102J RK73GB1J100J RK73GB1J681J | CHIP R CHIP R CHIP R CHIP R CHIP R | 1.0K 10K 1.0K 10 680 | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R81 ,82 R83 ,84 R85 ,86 R87 ,88 R89 ,90 | | | RK73GB1J472J RK73GB1J102J RK73GB1J101J RK73GB1J224J RK73GB1J471J | CHIP R CHIP R CHIP R CHIP R CHIP R | 4.7K 1.0K 100 220K 470 | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R91 ,92 R93 ,94 R95 ,96 R97 ,98 R99 ,100 | | | RK73GB1J474J RK73GB1J471J RK73GB1J224J RK73GB1J101J RK73GB1J470J | CHIP R CHIP R CHIP R CHIP R CHIP R | 470K 470 220K 100 47 | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R111,112 R113,114 R115,116 R117,118 R119,120 | | | RK73GB1J104J RK73GB1J224J RK73GB1J822J RK73GB1J470J RK73GB1J105J | CHIP R CHIP R CHIP R CHIP R CHIP R | 100K 220K 8.2K 47 1.0M | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R121,122 | | | RK73GB1J124J | CHIP R | 120K | J 1/16W |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------------------------------------------------------|----------|-----------|------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------|--------------------------------------------------------------------|
| R123,124 R125,126 R127,128 R129 R130 | | | RK73GB1J302J RK73GB1J133J RK73GB1J100J RK73GB1J102J RK73GB1J103J | CHIP R CHIP R CHIP R CHIP R CHIP R | 3.0K 13K 10 1.0K 10K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R131,132 R133,134 R141,142 R143,144 R145,146 | | | RK73GB1J2R2J RK73GB1J102J RK73GB1J104J RK73GB1J224J RK73GB1J822J | CHIP R CHIP R CHIP R CHIP R CHIP R | 2.2 1.0K 100K 220K 8.2K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R147,148 R149,150 R151,152 R153,154 R155,156 | | | RK73GB1J470J RK73GB1J102J RK73GB1J124J RK73GB1J103J RK73GB1J332J | CHIP R CHIP R CHIP R CHIP R CHIP R | 47 1.0K 120K 10K 3.3K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R157,158 R159,160 R161,162 R163,164 R165 | | | RK73GB1J163J RK73GB1J133J RK73GB1J470J RK73GB1J100J RK73GB1J102J | CHIP R CHIP R CHIP R CHIP R CHIP R | 16K 13K 47 10 1.0K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R166 R167,168 R169 R171,172 R173,174 | | | RK73GB1J472J RK73GB1J105J RK73GB1J472J RK73GB1J100J RK73GB1J2R2J | CHIP R CHIP R CHIP R CHIP R CHIP R | 4.7K 1.0M 4.7K 10 2.2 | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R181,182 R183,184 R187,188 R189,190 R191,192 | | | RK73GB1J104J RK73GB1J102J RK73GB1J470J RK73GB1J105J RK73GB1J124J | CHIP R CHIP R CHIP R CHIP R CHIP R | 100K 1.0K 47 1.0M 120K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R193,194 R195 R196 R197 R198 | | | RK73GB1J103J RK73GB1J332J RK73GB1J472J RK73GB1J163J RK73GB1J153J | CHIP R CHIP R CHIP R CHIP R CHIP R | 10K 3.3K 4.7K 16K 15K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R199 R200 R201,202 R203 R204 | | | RK73GB1J133J RK73GB1J333J RK73GB1J100J RK73GB1J470J RK73GB1J102J | CHIP R CHIP R CHIP R CHIP R CHIP R | 13K 33K 10 47 1.0K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R205,206 R211,212 R213,214 R217,218 R219,220 | | | RK73GB1J2R2J RK73GB1J104J RK73GB1J102J RK73GB1J470J RK73GB1J105J | CHIP R CHIP R CHIP R CHIP R CHIP R | 2.2 100K 1.0K 47 1.0M | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R221,222 R223,224 R225,226 R227,228 R229,230 | | | RK73GB1J124J RK73GB1J103J RK73GB1J332J RK73GB1J163J RK73GB1J133J | CHIP R CHIP R CHIP R CHIP R CHIP R | 120K 10K 3.3K 16K 13K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |
| R231,232 R233,234 R235 R237,238 R301,302 | | | RK73GB1J470J RK73GB1J100J RK73GB1J102J RK73GB1J2R2J RK73GB1J222J | CHIP R CHIP R CHIP R CHIP R CHIP R | 47 10 1.0K 2.2 2.2K | J J J J J 1/16W 1/16W 1/16W 1/16W 1/16W |

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|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R303,304 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | K1P2 | |
| R305,306 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R307-310 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R311,312 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R313-318 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R319-328 | | | RK73GB1J474J | CHIP R 470K J 1/16W | K1P2 | |
| R319,330 | | | RK73GB1J474J | CHIP R 470K J 1/16W | | |
| R331-336 | | | RK73GB1J474J | CHIP R 470K J 1/16W | | |
| R351-356 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R357-362 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R363-366 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R367 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R368 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R369-372 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R373 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R381,382 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R383,384 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R385-390 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R391,392 | | | RK73GB1J622J | CHIP R 6.2K J 1/16W | | |
| R401,402 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R403,404 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R421 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R422 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R423,424 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R425 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R427,428 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R429,430 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| R431,432 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R433,434 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R435-442 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R443,444 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R451 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R452 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R453 | | | RK73GB1J152J | CHIP R 1.5K J 1/16W | | |
| R454 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R455,456 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R457,458 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R459,460 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R461,462 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R463,464 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R465,466 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R467-469 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R471,472 | | | RK73GB1J822J | CHIP R 8.2K J 1/16W | | |
| R473,474 | | | RK73GB1J202J | CHIP R 2.0K J 1/16W | | |
| R475,476 | | | RK73GB1J124J | CHIP R 120K J 1/16W | | |
| R477,478 | | | RK73GB1J433J | CHIP R 43K J 1/16W | | |
| R479,480 | | | RK73GB1J184J | CHIP R 180K J 1/16W | | |
| R481,482 | | | RK73GB1J394J | CHIP R 390K J 1/16W | | |
| R483-486 | | | RK73GB1J392J | CHIP R 3.9K J 1/16W | | |
| R487,488 | | | RK73GB1J821J | CHIP R 820 J 1/16W | | |
| R489,490 | | | RK73GB1J163J | CHIP R 16K J 1/16W | | |
| R491,492 | | | RK73GB1J684J | CHIP R 680K J 1/16W | | |
| R493,494 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R495,496 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R497 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|-----------------------------|--------------|----------|
| R498,499 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R500,501 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R502 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R503 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R504 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R505,506 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R507-520 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R549-552 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R553,554 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R555,556 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R557,558 | | | RK73GB1J163J | CHIP R 16K J 1/16W | | |
| R559,560 | | | RK73GB1J133J | CHIP R 13K J 1/16W | | |
| R561,562 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R563 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R564 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R565,566 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R567,568 | | | RK73GB1J100J | CHIP R 10 J 1/16W | | |
| W201-204 | | | R92-1963-05 | JUMPER WIRE (RESISTOR TYPE) | | |
| W205,206 | | | R92-0679-05 | CHIP R 0 OHM | | |
| W207-215 | | | R92-1963-05 | JUMPER WIRE (RESISTOR TYPE) | | |
| W501-539 | | | R92-1963-05 | JUMPER WIRE (RESISTOR TYPE) | | |
| D3 ,4 | | | MA111 | DIODE | | |
| D5 -8 | | | DA204U | DIODE | | |
| D5 -8 | | | 1SS302 | DIODE | | |
| IC1 | | | NJM4580ED | ANALOGUE IC | | |
| IC2 | | | NUJ7312AM | MOS-IC | | |
| IC3 | | | NUJ7313AM | ANALOGUE IC | | |
| IC4 ,5 | | | NJM4565M | ANALOGUE IC | | |
| IC6 | | * | TC9459N | MOS-IC | | |
| IC7 | | | NJM4565M | ANALOGUE IC | | |
| IC8 | | * | TC9459N | MOS-IC | | |
| IC9 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC10 | | * | TC9459N | MOS-IC | | |
| IC11 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC12 | | * | TC9459N | MOS-IC | | |
| IC13 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC21 | | | NUJ7312AM | MOS-IC | | |
| IC22 | | | NUJ7313AM | ANALOGUE IC | | |
| IC23 | | | NUJ7311AM | MOS-IC | | |
| IC24 | | | NUJ7313AM | ANALOGUE IC | | |
| IC25-28 | | | NJM4565MD | IC(OP AMP X2) | | |
| IC29-33 | | | NJM4565M | ANALOGUE IC | | |
| IC34 | | | TC9184AP | MOS-IC | | |
| IC35 | | * | TC9459N | MOS-IC | | |
| IC36 | | | NJM4565M | ANALOGUE IC | | |
| Q1 -8 | | | 2SC2878(B) | TRANSISTOR | | |
| Q11 ,12 | | | 2SC2878(B) | TRANSISTOR | | |
| Q13 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q13 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| Q14 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q14 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q15 -18 | | | 2SC2878(B) | TRANSISTOR | | |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

* New Parts
Parts without **Parts No.** are not supplied.
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Table with columns: Ref. No, Add-ress, New Parts, Parts No., Description, Destination, Remarks. Section: SUB-CIRCUIT UNIT (X13-784/785X-XX). Rows include parts like C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C20, C21, C22, C23, C24, C41, C42, C45-50, C51, C52, C98, C99, C101, C102, C110, C201, C202, C229, C231, C232, C233, C234, C235, C236, C237, C300, C301, C302, C307, C308, C309, C310, C311, C312, C320, C321, C322, C323, C328, C329, C330, C331, C333, C334, C410, C501, C505, C506, C507, C508, C509, C510, C511-514, C515, C517, C518.

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Table with columns: Ref. No, Add-ress, New Parts, Parts No., Description, Destination, Remarks. Rows include parts like C519, C521, C522, C523, C524, C525-527, C535,536, C539, C541, C544, C601-610, C611,612, C613-616, C617-619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638,639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649,650, C651,652, C653, C654, C655, C656, C657, C658, C659, C670, C671, C672, C701-709.

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|----------------------|--------------|----------|
| C701-709 | | | CC73GCH1H470J | CHIP C 47PF | J | KP1E1 |
| C701-709 | | | CC73GCH1H470J | CHIP C 47PF | J | Y1M1X1 |
| C710-715 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | E2V |
| C710-715 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | KP1E1 |
| C710-715 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | Y1M1X1 |
| C716-718 | | | CE04KW1A471M | ELECTRO 470UF | 10WV | E2V |
| C716-718 | | | CE04KW1A471M | ELECTRO 470UF | 10WV | KP1E1 |
| C716-718 | | | CE04KW1A471M | ELECTRO 470UF | 10WV | Y1M1X1 |
| C719-721 | | | CC73GCH1H102J | CHIP C 1000PF | J | E2V |
| C719-721 | | | CC73GCH1H102J | CHIP C 1000PF | J | KP1E1 |
| C719-721 | | | CC73GCH1H102J | CHIP C 1000PF | J | Y1M1X1 |
| C851 | | | CE04KW1E470M | ELECTRO 47UF | 25WV | E2V |
| C851 | | | CE04KW1E470M | ELECTRO 47UF | 25WV | KP1E1 |
| C851 | | | CE04KW1E470M | ELECTRO 47UF | 25WV | Y1M1X1 |
| C852 | | | CE04KW1H100M | ELECTRO 10UF | 50WV | E2V |
| C852 | | | CE04KW1H100M | ELECTRO 10UF | 50WV | Y1M1X1 |
| C853,854 | | | CF92FV1H105J | MF-C 1.0UF | J | E2V |
| C853,854 | | | CF92FV1H105J | MF-C 1.0UF | J | KP1E1 |
| C853,854 | | | CF92FV1H105J | MF-C 1.0UF | J | Y1M1X1 |
| C859 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | E2V |
| C859 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | KP1E1 |
| C859 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | Y1M1X1 |
| C901-903 | | | CE04KW1H010M | ELECTRO 1.0UF | 50WV | KP1K1 |
| C901-903 | | | CE04KW1H010M | ELECTRO 1.0UF | 50WV | P2 |
| C904 | | | CE04KW1A221M | ELECTRO 220UF | 10WV | KP1K1 |
| C904 | | | CE04KW1A221M | ELECTRO 220UF | 10WV | P2 |
| C905 | | | CE04KW1H010M | ELECTRO 1.0UF | 50WV | KP1K1 |
| C905 | | | CE04KW1H010M | ELECTRO 1.0UF | 50WV | P2 |
| C906-909 | | | CC73GCH1H101J | CHIP C 100PF | J | KP1K1 |
| C906-909 | | | CC73GCH1H101J | CHIP C 100PF | J | P2 |
| CN1 | | | E40-3257-05 | PIN ASSY | | |
| CN2 | | | E40-3256-05 | PIN ASSY | | |
| CN3 | | | E40-4297-05 | FLAT CABLE CONNECTOR | | |
| CN4 | | | E40-9849-05 | PIN ASSY | | |
| CN5,6 | | | E40-9853-05 | PIN ASSY | | |
| CN7 | | | E40-9840-05 | PIN ASSY | | |
| CN8 | | | E40-9840-05 | PIN ASSY | | E2V |
| CN8 | | | E40-9840-05 | PIN ASSY | | KP1E1 |
| CN8 | | | E40-9840-05 | PIN ASSY | | Y1M1X1 |
| CN9 | | * | E40-9852-05 | PIN ASSY | | |
| CN10 | | | E40-9853-05 | PIN ASSY | | |
| CN11,12 | | * | E40-9852-05 | PIN ASSY | | |
| CN13 | | | E40-8258-05 | FLAT CABLE CONNECTOR | | |
| CN14 | | | E40-8255-05 | FLAT CABLE CONNECTOR | | |
| CN15 | | | E40-9849-05 | PIN ASSY | | K1P2 |
| CN16 | | | E40-4296-05 | FLAT CABLE CONNECTOR | | KP1K1 |
| CN16 | | | E40-4296-05 | FLAT CABLE CONNECTOR | | P2 |
| CN501 | | | E40-9836-05 | SOCKET FOR PIN ASSY | | |
| CN601 | | * | E40-9835-05 | SOCKET FOR PIN ASSY | | |
| CN701 | | | E40-9823-05 | SOCKET FOR PIN ASSY | | E2V |
| CN701 | | | E40-9823-05 | SOCKET FOR PIN ASSY | | KP1E1 |
| J501 | | | E63-1021-05 | PIN JACK | | Y1M1X1 |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|-----------------------------|--------------|----------|
| J501 | | | E63-1021-05 | PIN JACK | | KP1E1 |
| J501 | | | E63-1021-05 | PIN JACK | | Y1M1X1 |
| J501 | | | E63-1125-05 | PIN JACK | | K1P2 |
| J502 | | | E63-1125-05 | PIN JACK | | K1P2 |
| J503 | | | E63-1020-05 | PIN JACK | | E2V |
| J503 | | | E63-1020-05 | PIN JACK | | KP1E1 |
| J503 | | | E63-1020-05 | PIN JACK | | Y1M1X1 |
| J503 | | | E63-1123-05 | PIN JACK | | K1P2 |
| J504 | | | E63-1020-05 | PIN JACK | | E2V |
| J504 | | | E63-1020-05 | PIN JACK | | KP1E1 |
| J504 | | | E63-1020-05 | PIN JACK | | Y1M1X1 |
| J601 | | | E56-0029-05 | CYLINDRICAL RECEPTACLE | | E2 |
| J601 | | | E56-0029-05 | CYLINDRICAL RECEPTACLE | | KP1E1 |
| J601 | | | E56-0029-05 | CYLINDRICAL RECEPTACLE | | Y1M1X1 |
| J601 | | | E56-0029-05 | CYLINDRICAL RECEPTACLE | | K1P2 |
| J602 | | | E56-0030-05 | CYLINDRICAL RECEPTACLE | | K1P2 |
| J603 | | | E56-0027-05 | CYLINDRICAL RECEPTACLE | | E2V |
| J603 | | | E56-0027-05 | CYLINDRICAL RECEPTACLE | | KP1E1 |
| J603 | | | E56-0027-05 | CYLINDRICAL RECEPTACLE | | Y1M1X1 |
| J603 | | | E56-0028-05 | CYLINDRICAL RECEPTACLE | | K1P2 |
| J604 | | | E56-0027-05 | CYLINDRICAL RECEPTACLE | | E2V |
| J604 | | | E56-0027-05 | CYLINDRICAL RECEPTACLE | | KP1E1 |
| J604 | | | E56-0027-05 | CYLINDRICAL RECEPTACLE | | Y1M1X1 |
| J701-703 | | * | E63-1175-05 | PIN JACK | | E2V |
| J701-703 | | * | E63-1175-05 | PIN JACK | | KP1E1 |
| J701-703 | | * | E63-1175-05 | PIN JACK | | Y1M1X1 |
| J901 | | * | E58-0033-05 | RECTANGULAR RECEPTACLE | | KP1K1 |
| J901 | | * | E58-0033-05 | RECTANGULAR RECEPTACLE | | P2 |
| Δ F5 -7 | | | F06-1022-05 | FUSE (SEMKO) (250V T1AL) | | E1Y1M1 |
| Δ F5 -7 | | | F06-1022-05 | FUSE (SEMKO) (250V T1AL) | | X1E2 |
| Δ F5 -7 | | | F50-0067-05 | FUSE(5X20) | | KP1K1 |
| Δ F5 -7 | | | F50-0067-05 | FUSE(5X20) | | P2 |
| Δ F5 -7 | | | F50-0108-05 | FUSE(5X20) | | V |
| Δ F8 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | | E1Y1M1 |
| Δ F8 | | | F05-3121-05 | FUSE (SEMKO) (250V T3.15AL) | | X1E2 |
| Δ F8 | | | F50-0072-05 | FUSE(5X20) | | KP1K1 |
| Δ F8 | | | F50-0072-05 | FUSE(5X20) | | P2 |
| Δ F8 | | | F50-0111-05 | FUSE(5X20) | | V |
| CN22-29 | | | J13-0075-05 | FUSE CLIP | | |
| L1 -9 | | | L92-0140-05 | CHIP FERRITE | | |
| L10 | | | L92-0140-05 | CHIP FERRITE | | Y1M1V |
| L11 -13 | | | L92-0140-05 | CHIP FERRITE | | |
| L601 | | | L76-0018-05 | DELAY LINE | | K1P2 |
| X1 | | | L78-0615-05 | RESONATOR (12.5MHZ) | | |
| X2 | | | L78-0674-05 | RESONATOR (3.64MHZ) | | |
| X3 | | | L77-2002-05 | CRYSTAL RESONATOR(4.332MHZ) | | E1E2 |
| Δ R1 | | | RD14NB2E100J | RD 10 J 1/4W | | |
| R2 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R3 | | | RD14NB2E2R2J | RD 2.2 J 1/4W | | |
| Δ R4 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R5 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R6 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R7 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |

PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|----------|---------|-----------|--------------|---------------------|-------------|---------|
| R8 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R9 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R10 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R11 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R12 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R13 ,14 | | | RK73GB1J331J | CHIP R 330 J 1/16W | | |
| R15 -18 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R19 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R21 ,22 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R23 ,24 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R35 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R41 ,42 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R51 ,52 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R53 ,54 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R56 ,57 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R64 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R69 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R70 ,71 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R72 ,73 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R74 ,75 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R76 ,77 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R76 ,77 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R78 ,79 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R80 -87 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R88 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R89 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R90 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R91 -96 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R97 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R98 | | | RD14NB2E471J | RD 470 J 1/4W | KP1K1 | |
| R98 | | | RD14NB2E471J | RD 470 J 1/4W | P2 | |
| R99 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R100 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R100 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2 | |
| R101 | | | RK73GB1J103J | CHIP R 10K J 1/16W | K1P2Y1 | |
| R101 | | | RK73GB1J103J | CHIP R 10K J 1/16W | M1X1V | |
| R101 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | E1E2 | |
| R102 | | | RK73GB1J103J | CHIP R 10K J 1/16W | KP1 | |
| R102 | | | RK73GB1J182J | CHIP R 1.8K J 1/16W | K1P2 | |
| R102 | | | RK73GB1J822J | CHIP R 8.2K J 1/16W | E1E2 | |
| R103 | | | RK73GB1J103J | CHIP R 10K J 1/16W | V | |
| R103 | | | RK73GB1J103J | CHIP R 10K J 1/16W | Y1M1X1 | |
| R103 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | E1E2 | |
| R103 | | | RK73GB1J622J | CHIP R 6.2K J 1/16W | KP1K1 | |
| R103 | | | RK73GB1J622J | CHIP R 6.2K J 1/16W | P2 | |
| R104 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | KP1K1 | |
| R104 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | P2 | |
| R104 | | | RK73GB1J822J | CHIP R 8.2K J 1/16W | E1E2 | |
| R105 | | | RK73GB1J473J | CHIP R 47K J 1/16W | Y1M1V | |
| R107 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R108 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R109 | | | RD14NB2E101J | RD 100 J 1/4W | | |
| R110 | | | RD14NB2E560J | RD 56 J 1/4W | | |
| R111,112 | | | RD14NB2E4R7J | RD 4.7 J 1/4W | | |
| R113 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|----------|---------|-----------|--------------|----------------------|-------------|---------|
| R114 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R115 | | | RD14NB2E122J | RD 1.2K J 1/4W | | |
| R116 | | | RK73GB1J683J | CHIP R 68K J 1/16W | | |
| R117 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R118 | | | RK73GB1J683J | CHIP R 68K J 1/16W | | |
| R119 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R120 | | | RK73GB1J683J | CHIP R 68K J 1/16W | | |
| R121 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R122 | | | RK73GB1J683J | CHIP R 68K J 1/16W | | |
| R123 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R124 | | | RK73GB1J683J | CHIP R 68K J 1/16W | | |
| R125 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R126 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R127 | | | RD14NB2E100J | RD 10 J 1/4W | | |
| R128 | | | RS14KB3D4R7J | FL-PROOF RS 4.7 J 2W | | |
| R130-132 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R133 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R134 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R135,136 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R137,138 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R139 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R140,141 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R142 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | E1Y1E2 |
| R150-161 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R170 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | E1E2 |
| R171-173 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | KP1K1 |
| R171-173 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | P2E1E2 |
| R174,175 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R176-178 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | E1E2Y1 |
| R179,180 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R181-192 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R197 | | | RD14NB2E560J | RD 56 J 1/4W | | |
| R198 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R199 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R200 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R201 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R202,203 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R204-208 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R209 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R212,213 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | KP1K1 |
| R212,213 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | P2 |
| R214,215 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R216 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | |
| R223,224 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R229 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R230 | | | RK73GB1J220J | CHIP R 22 J 1/16W | | E1E2 |
| R231,232 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | E1E2 |
| R233 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | E1E2 |
| R234 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | E1E2 |
| R235,236 | | | RK73GB1J105J | CHIP R 1.0M J 1/16W | | E1E2 |
| R251-256 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R257 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | |
| R258,259 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | | |
| R264-266 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R301-303 | | | RK73GB1J391J | CHIP R 390 J 1/16W | | |

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PARTS LIST

KRF-X77775D/X7775D-S/MR-5080/5090

* New Parts

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|------------|---------|-----------|--------------|---------------------|-------------|---------|
| R304-306 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R307,308 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R309 | | | RK73GB1J474J | CHIP R 470K J 1/16W | | |
| R310 | | | RK73GB1J163J | CHIP R 16K J 1/16W | | |
| R311 | | | RK73GB1J153J | CHIP R 15K J 1/16W | | |
| R312 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R313-315 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R316 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R317 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | | |
| R318 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R321,322 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R324 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R325 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R326,327 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R329 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R330 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | |
| R331 | | | RD14NB2E332J | RD 3.3K J 1/4W | | |
| R332 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R333 | | | RD14NB2E2R2J | RD 2.2 J 1/4W | | |
| R334 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| △ R341-346 | | | RD14NB2E1R0J | RD 1 J 1/4W | | |
| R350-361 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R370-372 | | | RK73GB1J4R7J | CHIP R 4.7 J 1/16W | | |
| R400 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R401,402 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R403 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R410,411 | | | RD14NB2E4R7J | RD 4.7 J 1/4W | | |
| R501 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R502 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R503 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R504,505 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R506 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R507 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R508 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R509 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R510 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R511 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R512 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R513 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R514,515 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R516 | | | RD14NB2E4R7J | RD 4.7 J 1/4W | | |
| R529,530 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R531-533 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R536 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R539 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R540 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R541 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R542 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R543 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R551-553 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R554 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R555,556 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R557 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R558-560 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R563 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |

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|------------|---------|-----------|--------------|---------------------|-------------|---------|
| R601,602 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R603 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R604,605 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R606,607 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R608 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | K1P2 |
| R609 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R610,611 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R612-614 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R615 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | |
| R616 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | K1P2 |
| R617 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R618,619 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R620,621 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R622,623 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R624 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R625,626 | | | RK73FB2A680J | CHIP R 68 J 1/10W | | |
| R627-630 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R631,632 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R633,634 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | KP1E1 |
| R635 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | K1P2 |
| R636 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | K1P2 |
| R637 | | | RK73GB1J273J | CHIP R 27K J 1/16W | | K1P2 |
| R638 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | K1P2 |
| R639,640 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R641,642 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R643,644 | | | RK73GB1J151J | CHIP R 150 J 1/16W | | K1P2 |
| R645 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R647 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | K1P2 |
| R648 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | K1P2 |
| R649,650 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | K1P2 |
| R651 | | | RK73GB1J562J | CHIP R 5.6K J 1/16W | | K1P2 |
| R652 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | K1P2 |
| R653 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | K1P2 |
| R654 | | | RK73GB1J474J | CHIP R 470K J 1/16W | | K1P2 |
| R655 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | K1P2 |
| R659-662 | | | RK73GB1J911J | CHIP R 910 J 1/16W | | K1P2 |
| R663 | | | RK73GB1J183J | CHIP R 18K J 1/16W | | K1P2 |
| R665 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | K1P2 |
| R666 | | | RK73GB1J273J | CHIP R 27K J 1/16W | | K1P2 |
| R667 | | | RK73GB1J332J | CHIP R 3.3K J 1/16W | | K1P2 |
| R668 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | K1P2 |
| R669,670 | | | RK73GB1J471J | CHIP R 470 J 1/16W | | K1P2 |
| R674 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| R687 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | |
| △ R701-706 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | E2V |
| R701-706 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | KP1E1 |
| R701-706 | | | RK73FB2A750J | CHIP R 75 J 1/10W | | Y1M1X1 |
| R707-709 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | E2V |
| R707-709 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | KP1E1 |
| R707-709 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | Y1M1X1 |
| R710-712 | | | RK73FB2A390J | CHIP R 39 J 1/10W | | E2V |
| R710-712 | | | RK73FB2A390J | CHIP R 39 J 1/10W | | KP1E1 |
| R710-712 | | | RK73FB2A390J | CHIP R 39 J 1/10W | | Y1M1X1 |
| R713-715 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | E2V |
| R713-715 | | | RK73GB1J1R0J | CHIP R 1 J 1/16W | | KP1E1 |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|----------|---------|-----------|--------------|-------------|-----------------|---------|
| R713-715 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | Y1M1X1 |
| R768-770 | | | RK73GB1J102J | CHIP R | 1.0K J 1/16W | E2V |
| R768-770 | | | RK73GB1J102J | CHIP R | 1.0K J 1/16W | KP1E1 |
| R768-770 | | | RK73GB1J102J | CHIP R | 1.0K J 1/16W | Y1M1X1 |
| R780 | | | RK73GB1J473J | CHIP R | 47K J 1/16W | E2 |
| R780 | | | RK73GB1J473J | CHIP R | 47K J 1/16W | KP1E1 |
| R780 | | | RK73GB1J473J | CHIP R | 47K J 1/16W | Y1M1X1 |
| R784-786 | | | RK73GB1J104J | CHIP R | 100K J 1/16W | E2V |
| R784-786 | | | RK73GB1J104J | CHIP R | 100K J 1/16W | KP1E1 |
| R784-786 | | | RK73GB1J104J | CHIP R | 100K J 1/16W | Y1M1X1 |
| R805-810 | | | RK73GB1J101J | CHIP R | 100 J 1/16W | E2V |
| R805-810 | | | RK73GB1J101J | CHIP R | 100 J 1/16W | KP1E1 |
| R805-810 | | | RK73GB1J101J | CHIP R | 100 J 1/16W | Y1M1X1 |
| R830 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | E2V |
| R840 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | E2V |
| R840 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | KP1E1 |
| R840 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | Y1M1X1 |
| R851 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | E2V |
| R851 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | KP1E1 |
| R851 | | | RK73GB1J1R0J | CHIP R | 1 J 1/16W | Y1M1X1 |
| R901-908 | | | RK73GB1J101J | CHIP R | 100 J 1/16W | KP1K1 |
| R901-908 | | | RK73GB1J101J | CHIP R | 100 J 1/16W | P2 |
| R909 | | | RK73GB1J220J | CHIP R | 22 J 1/16W | KP1K1 |
| R909 | | | RK73GB1J220J | CHIP R | 22 J 1/16W | P2 |
| W501,502 | | | R92-1963-05 | JUMPER WIRE | (RESISTOR TYPE) | |
| D1 | | | U1BC44 | DIODE | | |
| D2 | | | MA111 | DIODE | | |
| D3 | | | U1BC44 | DIODE | | |
| D4 -6 | | | MA111 | DIODE | | |
| D7 | | | DAN202U | DIODE | | |
| D7 | | | 1SS301 | DIODE | | |
| D8 | | | DAP202U | DIODE | | |
| D8 | | | 1SS300 | DIODE | | |
| D9 | | | DAN202U | DIODE | | |
| D9 | | | 1SS301 | DIODE | | |
| D10 | | | DAP202U | DIODE | | |
| D10 | | | 1SS300 | DIODE | | |
| D11 -23 | | | MA111 | DIODE | | |
| D27 -29 | | | U1BC44 | DIODE | | |
| D30 | | | UDZS5.6B | ZENER DIODE | | |
| D30 | | | UDZS5.6B | ZENER DIODE | | |
| D35 | | | DAN202U | DIODE | | |
| D35 | | | 1SS301 | DIODE | | |
| D36 ,37 | | | MA111 | DIODE | | |
| D38 | | | DAN202U | DIODE | | |
| D38 | | | 1SS301 | DIODE | | |
| D41 ,42 | | | DAP202U | DIODE | | |
| D41 ,42 | | | 1SS300 | DIODE | | |
| D43 -45 | | | MA111 | DIODE | | |
| D51 | | | S1ZB20(4072) | DIODE | | |
| D52 | | | UDZS8.2B | ZENER DIODE | | |
| D52 | | | UDZ8.2B | ZENER DIODE | | |
| D53 | | * | UDZS7.5B | ZENER DIODE | | |
| D53 | | | UDZ7.5B | ZENER DIODE | | |
| D61 | | | D4SBL20UF03 | DIODE | | |

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East,Hawaii)

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|-----------|---------|-----------|----------------|----------------------|-------------|---------|
| D62 | | | UDZS6.2B | ZENER DIODE | | |
| D62 | | | UDZ6.2B | ZENER DIODE | | |
| D63 | | | MA111 | DIODE | | |
| D71 | | | KBP02ML-6127 | DIODE | | |
| D72 | | | UDZ16B | ZENER DIODE | | |
| D80 ,81 | | | DA204U | DIODE | | |
| D80 ,81 | | | 1SS302 | DIODE | | |
| D501 | | | DAN202U | DIODE | | |
| D501 | | | 1SS301 | DIODE | | |
| D502 | | | DAP202U | DIODE | | |
| D502 | | | 1SS300 | DIODE | | |
| D503,504 | | | MA111 | DIODE | | |
| D601 | | | DAN202U | DIODE | | |
| D601 | | | 1SS301 | DIODE | | |
| D602 | | | DAP202U | DIODE | | |
| D602 | | | 1SS300 | DIODE | | |
| D603,604 | | | MA111 | DIODE | | |
| D605 | | | DA204U | DIODE | | K1P2 |
| D605 | | | 1SS302 | DIODE | | K1P2 |
| IC1 | | | TA78057S | ANALOGUE IC | | |
| IC2 | | | S-80740AL-A4 | IC(VOLTAGE DETECTOR) | | |
| IC2 | | * | S-80840ALUP | MOS-IC | | |
| IC3 | | * | UPD784217A516 | MI-COM IC | | |
| IC4 | | | TC74HCT7007AF | MOS-IC | | |
| IC5 | | | TC74HC164AF | IC(SHIFT REGISTER) | | |
| IC6 | | | UPD17215GT-737 | MI-COM IC | | |
| IC7 | | | LC72723M | MOS-IC | | E1E2 |
| IC501 | | * | MM1140XFF | ANALOGUE IC | | |
| IC502 | | | BA7611AF | ANALOGUE IC | | |
| IC503 | | | BA7623F | ANALOGUE IC | | |
| IC504 | | | BA7649AF | ANALOGUE IC | | |
| IC507 | | * | MM1508 | ANALOGUE IC | | |
| IC601,602 | | * | MM1140XFF | ANALOGUE IC | | |
| IC603 | | | BA7611AF | ANALOGUE IC | | |
| IC604 | | | BA7612F | ANALOGUE IC | | |
| IC605,606 | | | BA7623F | ANALOGUE IC | | |
| IC607 | | | NJM4565M | ANALOGUE IC | | K1P2 |
| IC608 | | | UPC29M05HB | ANALOGUE IC | | |
| IC701 | | | BA7613F | ANALOGUE IC | | E2V |
| IC701 | | | BA7613F | ANALOGUE IC | | KP1E1 |
| IC701 | | | BA7613F | ANALOGUE IC | | Y1M1X1 |
| IC702,703 | | | BA7612F | ANALOGUE IC | | E2V |
| IC702,703 | | | BA7612F | ANALOGUE IC | | KP1E1 |
| IC702,703 | | | BA7612F | ANALOGUE IC | | Y1M1X1 |
| IC708 | | | UPC29M05HB | ANALOGUE IC | | E2V |
| IC708 | | | UPC29M05HB | ANALOGUE IC | | KP1E1 |
| IC708 | | | UPC29M05HB | ANALOGUE IC | | Y1M1X1 |
| IC901 | | | MAX232NS | MOS-IC | | KP1K1 |
| IC901 | | | MAX232NS | MOS-IC | | P2 |
| Q1 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q1 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| Q2 | | | DTC124EUA | DIGITAL TRANSISTOR | | Y1M1V |
| Q2 | | | UN5212 | DIGITAL TRANSISTOR | | Y1M1V |
| Q3 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q3 | | | UN5119 | DIGITAL TRANSISTOR | | |

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| Ref. No | Address | New Parts | Parts No. | Description | Destination | Remarks |
|-----------|---------|-----------|---------------|--------------------|-------------|---------|
| Q4 | | | DTC143TUA | DIGITAL TRANSISTOR | | |
| Q4 | | | UN5216 | DIGITAL TRANSISTOR | | |
| Q5 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q5 | | | UN5119 | DIGITAL TRANSISTOR | | |
| Q6 | | | DTC143TUA | DIGITAL TRANSISTOR | | |
| Q6 | | | UN5216 | DIGITAL TRANSISTOR | | |
| Q7 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q7 | | | UN5119 | DIGITAL TRANSISTOR | | |
| Q8 | | | DTC143TUA | DIGITAL TRANSISTOR | | |
| Q8 | | | UN5216 | DIGITAL TRANSISTOR | | |
| Q9 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q9 | | | UN5119 | DIGITAL TRANSISTOR | | |
| Q10 | | | DTC143TUA | DIGITAL TRANSISTOR | | |
| Q10 | | | UN5216 | DIGITAL TRANSISTOR | | |
| Q11 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q11 | | | UN5119 | DIGITAL TRANSISTOR | | |
| Q12 | | | DTC143TUA | DIGITAL TRANSISTOR | | |
| Q12 | | | UN5216 | DIGITAL TRANSISTOR | | |
| Q13 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q13 | | | UN5119 | DIGITAL TRANSISTOR | | |
| Q14 | | | DTC143TUA | DIGITAL TRANSISTOR | | |
| Q14 | | | UN5216 | DIGITAL TRANSISTOR | | |
| Q15 | | | DTA113ZUA | DIGITAL TRANSISTOR | | |
| Q15 | | | UN5116 | DIGITAL TRANSISTOR | | |
| Q16 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q16 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q17 | | | 2SC3940A(R,S) | TRANSISTOR | | |
| Q18 | | | DTA143TUA | DIGITAL TRANSISTOR | | |
| Q18 | | | UN5116 | DIGITAL TRANSISTOR | | |
| Q19 | | | 2SC4213(B) | TRANSISTOR | | |
| Q31 ,32 | | | 2SK246(Y,GR) | FET | | |
| △ Q33 ,34 | | | 2SB1375 | TRANSISTOR | | |
| △ Q35 | | | 2SC4081(R,S) | TRANSISTOR | | |
| △ Q35 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| △ Q36 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| △ Q36 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| △ Q37 | | | 2SC4081(R,S) | TRANSISTOR | | |
| △ Q37 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| △ Q38 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| △ Q38 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| △ Q41 ,42 | | | 2SB1375 | TRANSISTOR | | |
| △ Q43 | | | 2SC4081(R,S) | TRANSISTOR | | |
| △ Q43 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| △ Q45 | | | 2SB1375 | TRANSISTOR | | |
| △ Q46 | | | 2SC4081(R,S) | TRANSISTOR | | |
| △ Q46 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| △ Q51 | | | 2SD2012 | TRANSISTOR | | |
| △ Q52 | | | 2SC4081(R,S) | TRANSISTOR | | |
| △ Q52 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| △ Q61 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q61 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q62 | | | DTA143TUA | DIGITAL TRANSISTOR | | |
| Q62 | | | UN5116 | DIGITAL TRANSISTOR | | |
| Q501 ,502 | | | 2SC4213(B) | TRANSISTOR | | |
| Q504,505 | | | DTA124EUA | DIGITAL TRANSISTOR | | |

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|---------------------------------------|---------|-----------|---------------|--------------------|-------------|---------|
| Q504,505 | | | UN5112 | DIGITAL TRANSISTOR | | |
| Q506 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q506 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q508,509 | | | 2SC4213(B) | TRANSISTOR | | |
| Q601-604 | | | 2SC4213(B) | TRANSISTOR | | |
| Q605,606 | | | DTA124EUA | DIGITAL TRANSISTOR | | |
| Q605,606 | | | UN5112 | DIGITAL TRANSISTOR | | |
| Q607 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q607 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q608,609 | | | DTA124EUA | DIGITAL TRANSISTOR | | K1P2 |
| Q608,609 | | | UN5112 | DIGITAL TRANSISTOR | | K1P2 |
| Q610,611 | | | DTC124EUA | DIGITAL TRANSISTOR | | K1P2 |
| Q610,611 | | | UN5212 | DIGITAL TRANSISTOR | | K1P2 |
| Q613,614 | | | 2SC4213(B) | TRANSISTOR | | |
| Q715-717 | | | 2SC4213(B) | TRANSISTOR | | E2V |
| Q715-717 | | | 2SC4213(B) | TRANSISTOR | | KP1E1 |
| Q715-717 | | | 2SC4213(B) | TRANSISTOR | | Y1M1X1 |
| DISPLAY UNIT (X25-641/642X-XX) | | | | | | |
| D3 -10 | | | B30-2532-05 | LED(INFRARED) | | |
| D11 | | | B30-2548-05 | LED(GRN5,HI BRT) | | KP1K1 |
| D11 | | | B30-2548-05 | LED(GRN5,HI BRT) | | M1X1E2 |
| D11 | | | B30-2548-05 | LED(GRN5,HI BRT) | | P2E1Y1 |
| D11 | | | B30-2571-05 | LED(GRN5,HI BRT) | | V |
| D12 | | | B30-2430-05 | LED(RED) | | V |
| D15 -18 | | | B30-2571-05 | LED(RED5,HI BRT) | | KP1K1 |
| D15 -18 | | | B30-2573-05 | LED(RED5,HI BRT) | | M1X1E2 |
| D15 -18 | | | B30-2573-05 | LED(RED5,HI BRT) | | P2E1Y1 |
| D15 -18 | | | B30-2573-05 | LED(RED5,HI BRT) | | |
| D19 -23 | | | B30-2430-05 | LED(RED) | | V |
| D24 ,25 | | | B30-2571-05 | LED(RED5,HI BRT) | | KP1K1 |
| D24 ,25 | | | B30-2573-05 | LED(RED5,HI BRT) | | M1X1E2 |
| D24 ,25 | | | B30-2573-05 | LED(RED5,HI BRT) | | P2E1Y1 |
| D24 ,25 | | | B30-2573-05 | LED(RED5,HI BRT) | | |
| D26 | | | B30-2597-05 | LED(RED HI-BRIGHT) | | |
| D30 ,31 | | | B30-2430-05 | LED(RED) | | |
| C1 ,2 | | | CE04RW1C101M | ELECTRO | 100UF | 16WV |
| C3 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C4 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C5 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C6 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C7 -22 | | | CC73GCH1H221J | CHIP C | 220PF | J |
| C23 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C24 | | | CC73GCH1H471J | CHIP C | 470PF | J |
| C25 -27 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C28 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C31 | | | CE04KW1H101M | ELECTRO | 100UF | 50WV |
| C33 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C40 | | | CQ93FMG1H102J | MYLAR | 1000PF | J |
| C41 -43 | | | CQ93FMG1H472J | MYLAR | 4700PF | J |
| C44 ,45 | | | CC73GCH1H221J | CHIP C | 220PF | J |
| C78 -80 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C81 -85 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C86 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C88 | | | CC73GCH1H270J | CHIP C | 27PF | J |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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|----------|----------|-----------|---------------|------------------------|--------------|----------|
| C91 -93 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C94 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | |
| C95 -97 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C105 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C165,166 | | | CK73FF1C105Z | CHIP C 1.0UF | Z | |
| C170 | | | CK73GB1H103K | CHIP C 0.010UF | K | |
| C301,302 | | | CE04KW1H220M | ELECTRO 22UF | 50WV | |
| C303,304 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C311,312 | | | CE04KW1H220M | ELECTRO 22UF | 50WV | |
| C313,314 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C321,322 | | | CE04KW1H220M | ELECTRO 22UF | 50WV | |
| C323,324 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C331,332 | | | CE04KW1H220M | ELECTRO 22UF | 50WV | |
| C333,334 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C341,342 | | | CE04KW1H220M | ELECTRO 22UF | 50WV | |
| C343,344 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C380 | | | CC73GCH1H101J | CHIP C 100PF | J | |
| C401,402 | | | CC73GCH1H221J | CHIP C 220PF | J | |
| C404,405 | | | CC73GCH1H221J | CHIP C 220PF | J | |
| C406 | | | CC73GCH1H101J | CHIP C 100PF | J | E2 |
| C406 | | | CC73GCH1H101J | CHIP C 100PF | J | KP1K1 |
| C407 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | P2E1Y1 |
| C407 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | E2 |
| C407 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | KP1K1 |
| C407 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | P2E1Y1 |
| C410 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | KP1K1 |
| C410 | | | CE04KW1A101M | ELECTRO 100UF | 10WV | P2 |
| C415 | | | CC73GCH1H101J | CHIP C 100PF | J | E2 |
| C415 | | | CC73GCH1H101J | CHIP C 100PF | J | KP1K1 |
| C415 | | | CC73GCH1H101J | CHIP C 100PF | J | P2E1Y1 |
| C416 | | | CC73GCH1H331J | CHIP C 330PF | J | E2 |
| C416 | | | CC73GCH1H331J | CHIP C 330PF | J | KP1K1 |
| C416 | | | CC73GCH1H331J | CHIP C 330PF | J | P2E1Y1 |
| C417 | | | CC73GCH1H102J | CHIP C 1000PF | J | E2 |
| C417 | | | CC73GCH1H102J | CHIP C 1000PF | J | KP1K1 |
| C417 | | | CC73GCH1H102J | CHIP C 1000PF | J | P2E1Y1 |
| C419-421 | | | CC73GCH1H101J | CHIP C 100PF | J | E2 |
| C419-421 | | | CC73GCH1H101J | CHIP C 100PF | J | KP1K1 |
| C419-421 | | | CC73GCH1H101J | CHIP C 100PF | J | P2E1Y1 |
| C430,431 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | E2 |
| C430,431 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | KP1K1 |
| C430,431 | | | CK73GF1E104Z | CHIP C 0.10UF | Z | P2E1Y1 |
| CN2 | | * | E40-8794-05 | PIN ASSY | | |
| CN4 | | * | E40-9823-05 | SOCKET FOR PIN ASSY | | |
| CN5 | | * | E40-8622-05 | PIN ASSY | | E1Y1M1 |
| CN5 | | * | E40-8622-05 | PIN ASSY | | X1E2V |
| CN101 | | * | E40-8257-05 | FLAT CABLE CONNECTOR | | |
| CN102 | | | E40-8254-05 | FLAT CABLE CONNECTOR | | |
| CN103 | | | E40-8531-05 | FLAT CABLE CONNECTOR | | KP1K1 |
| CN103 | | | E40-8531-05 | FLAT CABLE CONNECTOR | | P2 |
| J1 | | * | E70-0133-15 | SCREW TERMINAL BOARD | | |
| J5 | | * | E63-1121-05 | PIN JACK | | |
| J6 | | | E56-0026-05 | CYLINDRICAL RECEPTACLE | | |
| J7 | | | E11-0190-05 | PHONE JACK (3P) | | |
| J101 | | * | E63-1173-05 | PIN JACK | | E2V |
| J101 | | * | E63-1173-05 | PIN JACK | | KP1E1 |

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|----------|----------|-----------|--------------|--------------------------------|--------------|----------|
| J101 | | * | E63-1173-05 | PIN JACK | | Y1M1X1 |
| J101 | | * | E63-1176-05 | PIN JACK | | K1P2 |
| J102 | | * | E63-1174-05 | PIN JACK | | E2V |
| J102 | | * | E63-1174-05 | PIN JACK | | KP1E1 |
| J102 | | * | E63-1174-05 | PIN JACK | | Y1M1X1 |
| J102 | | * | E63-1177-05 | PIN JACK | | K1P2 |
| J103 | | * | E63-1178-05 | PIN JACK | | E2V |
| J103 | | * | E63-1178-05 | PIN JACK | | KP1E1 |
| J103 | | * | E63-1178-05 | PIN JACK | | Y1M1X1 |
| J103 | | * | E63-1179-05 | PIN JACK | | K1P2 |
| J201 | | | E11-0907-05 | MINIATURE PHONE JACK(2.5MM 1P) | | |
| J202 | | | E11-0347-05 | MINIATURE PHONE JACK(2P) | | |
| J203,204 | | | E11-0905-05 | MINIATURE PHONE JACK(3.5MM 1P) | | E2 |
| J203,204 | | | E11-0905-05 | MINIATURE PHONE JACK(3.5MM 1P) | | KP1K1 |
| J203,204 | | | E11-0905-05 | MINIATURE PHONE JACK(3.5MM 1P) | | P2E1Y1 |
| J207,208 | | | E11-0905-05 | MINIATURE PHONE JACK(3.5MM 1P) | | E2 |
| J207,208 | | | E11-0905-05 | MINIATURE PHONE JACK(3.5MM 1P) | | KP1K1 |
| J207,208 | | | E11-0905-05 | MINIATURE PHONE JACK(3.5MM 1P) | | P2E1Y1 |
| J209 | | | E11-0291-05 | MINIATURE PHONE JACK(2P) | | E2 |
| J209 | | | E11-0291-05 | MINIATURE PHONE JACK(2P) | | KP1K1 |
| J209 | | | E11-0291-05 | MINIATURE PHONE JACK(2P) | | P2E1Y1 |
| E1 | | | J19-6056-04 | HOLDER | | |
| E3 ,4 | | | J11-0809-05 | WIRE CLAMPER | | |
| L401 | | | L40-1011-17 | SMALL FIXED INDUCTOR(100UH,K) | | E2 |
| L401 | | | L40-1011-17 | SMALL FIXED INDUCTOR(100UH,K) | | KP1K1 |
| L401 | | | L40-1011-17 | SMALL FIXED INDUCTOR(100UH,K) | | P2E1Y1 |
| L403,404 | | | L40-1011-17 | SMALL FIXED INDUCTOR(100UH,K) | | E2 |
| L403,404 | | | L40-1011-17 | SMALL FIXED INDUCTOR(100UH,K) | | KP1K1 |
| L403,404 | | | L40-1011-17 | SMALL FIXED INDUCTOR(100UH,K) | | P2E1Y1 |
| X1 | | | L78-0284-05 | RESONATOR (5MHZ) | | |
| Δ R1 | | | RD14NB2E4R7J | RD | 4.7 | J 1/4W |
| R4 ,5 | | | RS14KB3A3R9J | FL-PROOF RS | 3.9 | J 1W |
| R6 | | | RK73GB1J151J | CHIP R | 150 | J 1/16W |
| R6 | | | RK73GB1J151J | CHIP R | 150 | J 1/16W |
| R6 | | | RK73GB1J151J | CHIP R | 150 | J 1/16W |
| R6 | | | RK73GB1J221J | CHIP R | 220 | J 1/16W |
| R7 | | | RK73GB1J301J | CHIP R | 300 | J 1/16W |
| Δ R9 | | | RD14NB2E100J | RD | 10 | J 1/4W |
| R10 -12 | | | RK73GB1J473J | CHIP R | 47K | J 1/16W |
| R14 -16 | | | RK73GB1J473J | CHIP R | 47K | J 1/16W |
| R17 -67 | | | RK73GB1J474J | CHIP R | 470K | J 1/16W |
| R68 | | | RK73GB1J332J | CHIP R | 3.3K | J 1/16W |
| R69 ,70 | | | RK73GB1J473J | CHIP R | 47K | J 1/16W |
| R71 | | | RK73GB1J105J | CHIP R | 1.0M | J 1/16W |
| R72 -74 | | | RK73GB1J473J | CHIP R | 47K | J 1/16W |
| R75 | | | RK73GB1J333J | CHIP R | 33K | J 1/16W |
| Δ R79 | | | RS14KB3A390J | FL-PROOF RS | 39 | J 1W |
| R81 | | | RK73GB1J100J | CHIP R | 10 | J 1/16W |
| R82 -85 | | | RK73GB1J221J | CHIP R | 220 | J 1/16W |
| R82 -85 | | | RK73GB1J271J | CHIP R | 270 | J 1/16W |
| R82 -85 | | | RK73GB1J271J | CHIP R | 270 | J 1/16W |
| R86 -90 | | | RK73GB1J301J | CHIP R | 300 | J 1/16W |
| R91 ,92 | | | RK73GB1J221J | CHIP R | 220 | J 1/16W |
| R91 ,92 | | | RK73GB1J271J | CHIP R | 270 | J 1/16W |

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|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R91 .92 | | | RK73GB1J271J | CHIP R 270 J 1/16W | M1X1E2 | |
| R91 .92 | | | RK73GB1J271J | CHIP R 270 J 1/16W | P2E1Y1 | |
| R93 -106 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R112-114 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R115 | | | RK73GB1J473J | CHIP R 47K J 1/16W | | |
| R118 | | | RD14NB2E101J | RD 100 J 1/4W | | |
| R120 | | | RD14NB2E330J | RD 33 J 1/4W | | |
| R121 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R122 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R123 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R124 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R126,127 | | | RK73GB1J2R2J | CHIP R 2.2 J 1/16W | | |
| R191-193 | | | RD14NB2E100J | RD 10 J 1/4W | | |
| R194-198 | | | RD14NB2E100J | RD 10 J 1/4W | | |
| R199 | | | RK73GB1J00J | CHIP R 10 J 1/16W | K1P2 | |
| R200 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R201 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | | |
| R205 | | | RK73GB1J681J | CHIP R 680 J 1/16W | | |
| R211,212 | | | RK73GB1J223J | CHIP R 22K J 1/16W | | |
| R213,214 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R215,216 | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R217 | | | RK73GB1J474J | CHIP R 470K J 1/16W | | |
| R218 | | | RK73GB1J750J | CHIP R 75 J 1/16W | | |
| R219-225 | | | RK73GB1J513J | CHIP R 51K J 1/16W | | |
| R232 | | | RK73GB1J101J | CHIP R 100 J 1/16W | | |
| R249 | | | RK73GB1J103J | CHIP R 10K J 1/16W | | |
| R298,299 | | | RK73GB1J301J | CHIP R 300 J 1/16W | | |
| R301,302 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R305,306 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R307,308 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R311,312 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R315,316 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R317,318 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R321,322 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R325,326 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R327,328 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R331,332 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R335,336 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R337,338 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R341,342 | | | RK73GB1J224J | CHIP R 220K J 1/16W | | |
| R345,346 | | | RK73GB1J221J | CHIP R 220 J 1/16W | | |
| R347,348 | | | RK73GB1J470J | CHIP R 47 J 1/16W | | |
| R351-370 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | | |
| R380 | | | RK73GB1J104J | CHIP R 100K J 1/16W | | |
| R401 | | | RD14NB2E471J | RD 470 J 1/4W | E2 | |
| R401 | | | RD14NB2E471J | RD 470 J 1/4W | KP1K1 | |
| R401 | | | RD14NB2E471J | RD 470 J 1/4W | P2E1Y1 | |
| R402 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R402 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R402 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |
| R403 | | | RK73GB1J473J | CHIP R 47K J 1/16W | E2 | |
| R403 | | | RK73GB1J473J | CHIP R 47K J 1/16W | KP1K1 | |
| R403 | | | RK73GB1J473J | CHIP R 47K J 1/16W | P2E1Y1 | |
| R404 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R404 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R404 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|--------------|---------------------|--------------|----------|
| R424 | | | RD14NB2E101J | RD 100 J 1/4W | E2 | |
| R424 | | | RD14NB2E101J | RD 100 J 1/4W | KP1K1 | |
| R424 | | | RD14NB2E101J | RD 100 J 1/4W | P2E1Y1 | |
| R425 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R425 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R425 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |
| R426 | | | RK73GB1J103J | CHIP R 10K J 1/16W | E2 | |
| R426 | | | RK73GB1J103J | CHIP R 10K J 1/16W | KP1K1 | |
| R426 | | | RK73GB1J103J | CHIP R 10K J 1/16W | P2E1Y1 | |
| R427 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | E2 | |
| R427 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | KP1K1 | |
| R427 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | P2E1Y1 | |
| R428,429 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R428,429 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R428,429 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |
| R430 | | | RK73GB1J223J | CHIP R 22K J 1/16W | E2 | |
| R430 | | | RK73GB1J223J | CHIP R 22K J 1/16W | KP1K1 | |
| R430 | | | RK73GB1J223J | CHIP R 22K J 1/16W | P2E1Y1 | |
| R431,432 | | | RD14NB2E471J | RD 470 J 1/4W | E2 | |
| R431,432 | | | RD14NB2E471J | RD 470 J 1/4W | KP1K1 | |
| R431,432 | | | RD14NB2E471J | RD 470 J 1/4W | P2E1Y1 | |
| R433 | | | RK73GB1J101J | CHIP R 100 J 1/16W | E2 | |
| R433 | | | RK73GB1J101J | CHIP R 100 J 1/16W | KP1K1 | |
| R433 | | | RK73GB1J101J | CHIP R 100 J 1/16W | P2E1Y1 | |
| R434 | | | RK73GB1J223J | CHIP R 22K J 1/16W | E2 | |
| R434 | | | RK73GB1J223J | CHIP R 22K J 1/16W | KP1K1 | |
| R434 | | | RK73GB1J223J | CHIP R 22K J 1/16W | P2E1Y1 | |
| R435 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R435 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R435 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |
| R436 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | E2 | |
| R436 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | KP1K1 | |
| R436 | | | RK73GB1J272J | CHIP R 2.7K J 1/16W | P2E1Y1 | |
| R437 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | E2 | |
| R437 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | KP1K1 | |
| R437 | | | RK73GB1J222J | CHIP R 2.2K J 1/16W | P2E1Y1 | |
| R438 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R438 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R438 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |
| R439 | | | RD14NB2E471J | RD 470 J 1/4W | E2 | |
| R439 | | | RD14NB2E471J | RD 470 J 1/4W | KP1K1 | |
| R439 | | | RD14NB2E471J | RD 470 J 1/4W | P2E1Y1 | |
| R440,441 | | | RK73GB1J473J | CHIP R 47K J 1/16W | E2 | |
| R440,441 | | | RK73GB1J473J | CHIP R 47K J 1/16W | KP1K1 | |
| R440,441 | | | RK73GB1J473J | CHIP R 47K J 1/16W | P2E1Y1 | |
| R444 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | E2 | |
| R444 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | KP1K1 | |
| R444 | | | RK73GB1J472J | CHIP R 4.7K J 1/16W | P2E1Y1 | |
| R445 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | E2 | |
| R445 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | KP1K1 | |
| R445 | | | RK73GB1J102J | CHIP R 1.0K J 1/16W | P2E1Y1 | |
| R449 | | | RK73GB1J180J | CHIP R 18 J 1/16W | E2 | |
| R450 | | | RD14NB2E101J | RD 100 J 1/4W | E2 | |
| R450 | | | RD14NB2E101J | RD 100 J 1/4W | KP1K1 | |
| R450 | | | RD14NB2E101J | RD 100 J 1/4W | P2E1Y1 | |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|-------------|--------------------------|--------------|----------|
| W202 | | | R92-0679-05 | CHIP R | 0 OHM | |
| W203 | | | R92-0670-05 | CHIP R | 0 OHM | |
| W204 | | | R92-0679-05 | CHIP R | 0 OHM | |
| W206 | | | R92-0670-05 | CHIP R | 0 OHM | |
| W207 | | | R92-0679-05 | CHIP R | 0 OHM | |
| W208 | | | R92-0670-05 | CHIP R | 0 OHM | |
| W209 | | | R92-0679-05 | CHIP R | 0 OHM | |
| W210 | | | R92-0670-05 | CHIP R | 0 OHM | |
| W213 | | | R92-0670-05 | CHIP R | 0 OHM | |
| W216,217 | | | R92-0670-05 | CHIP R | 0 OHM | |
| W219 | | | R92-0679-05 | CHIP R | 0 OHM | |
| W220 | | | R92-0670-05 | CHIP R | 0 OHM | |
| S1 -17 | | | S70-0031-05 | TACT SWITCH | | |
| S20 | | | S68-0088-05 | PUSH SWITCH (POWER TYPE) | E1Y1M1 | |
| S20 | | | S68-0088-05 | PUSH SWITCH (POWER TYPE) | X1E2V | |
| S19 | | | T99-0602-05 | ROTARY ENCODER | | |
| D1 ,2 | | | MTZJ3.3(B) | ZENER DIODE | | |
| D1 ,2 | | | RD3.3ES(B2) | ZENER DIODE | | |
| D13 | | | MTZJ5.1(B) | ZENER DIODE | | |
| D13 | | | RD5.1ES(B2) | ZENER DIODE | | |
| D14 | | | MTZJ5.6(B) | ZENER DIODE | | |
| D14 | | | RD5.6ES(B2) | ZENER DIODE | | |
| D27 ,28 | | | DA204U | DIODE | | |
| D27 ,28 | | | 1SS302 | DIODE | | |
| D403 | | | DA204U | DIODE | | |
| D403 | | | DA204U | DIODE | | |
| D403 | | | 1SS302 | DIODE | E2 | |
| D403 | | | 1SS302 | DIODE | KP1K1 | |
| D403 | | | 1SS302 | DIODE | P2E1Y1 | |
| D408 | | | DA204U | DIODE | E2 | |
| D408 | | | DA204U | DIODE | KP1K1 | |
| D408 | | | DA204U | DIODE | P2E1Y1 | |
| D408 | | | 1SS302 | DIODE | E2 | |
| D408 | | | 1SS302 | DIODE | KP1K1 | |
| D408 | | | 1SS302 | DIODE | P2E1Y1 | |
| D410 | | | HSS104A | DIODE | E2 | |
| D410 | | | HSS104A | DIODE | KP1K1 | |
| D410 | | | HSS104A | DIODE | P2E1Y1 | |
| D410 | | | 1SS133 | DIODE | E2 | |
| D410 | | | 1SS133 | DIODE | KP1K1 | |
| D410 | | | 1SS133 | DIODE | P2E1Y1 | |
| D411 | | | DA204U | DIODE | E2 | |
| D411 | | | DA204U | DIODE | KP1K1 | |
| D411 | | | DA204U | DIODE | P2E1Y1 | |
| D411 | | | 1SS302 | DIODE | E2 | |
| D411 | | | 1SS302 | DIODE | KP1K1 | |
| D411 | | | 1SS302 | DIODE | P2E1Y1 | |
| D412,413 | | | HSS104A | DIODE | E2 | |
| D412,413 | | | HSS104A | DIODE | KP1K1 | |
| D412,413 | | | HSS104A | DIODE | P2E1Y1 | |
| D412,413 | | | 1SS133 | DIODE | E2 | |
| D412,413 | | | 1SS133 | DIODE | KP1K1 | |
| D412,413 | | | 1SS133 | DIODE | P2E1Y1 | |
| D414 | | | HSS104A | DIODE | E1Y1E2 | |

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|----------|----------|-----------|---------------|----------------------------|--------------|----------|
| D414 | | | 1SS133 | DIODE | | |
| ED1 | | | 16-MT-62GK | FLUORESCENT INDICATOR TUBE | E1Y1E2 | |
| IC1 | | | UPD780204-038 | MI-COM IC | | |
| IC11 | | | TC74HC151AF | MOS-IC | | |
| IC401 | | | TC4W53FU | MOS-IC | E2 | |
| IC401 | | | TC4W53FU | MOS-IC | KP1K1 | |
| IC401 | | | TC4W53FU | MOS-IC | P2E1Y1 | |
| Q1 -3 | | | 2SC3940A(R,S) | TRANSISTOR | | |
| Q4 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q4 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q5 ,6 | | | DTA124EUA | DIGITAL TRANSISTOR | | |
| Q5 ,6 | | | UN5112 | DIGITAL TRANSISTOR | | |
| Q7 -16 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q7 -16 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q20 | | | DTA124EUA | DIGITAL TRANSISTOR | | |
| Q20 | | | UN5112 | DIGITAL TRANSISTOR | | |
| Q21 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q21 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q301-320 | | | 2SC2878(B) | TRANSISTOR | | |
| Q401 | | | 2SC4081(R,S) | TRANSISTOR | E2 | |
| Q401 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q401 | | | 2SC4116(Y,GR) | TRANSISTOR | KP1K1 | |
| Q401 | | | 2SC4116(Y,GR) | TRANSISTOR | P2E1Y1 | |
| Q401 | | | 2SC4116(Y,GR) | TRANSISTOR | E2 | |
| Q401 | | | 2SC4116(Y,GR) | TRANSISTOR | KP1K1 | |
| Q401 | | | 2SC4116(Y,GR) | TRANSISTOR | P2E1Y1 | |
| Q402 | | | DTC124EUA | DIGITAL TRANSISTOR | E2 | |
| Q402 | | | DTC124EUA | DIGITAL TRANSISTOR | KP1K1 | |
| Q402 | | | DTC124EUA | DIGITAL TRANSISTOR | P2E1Y1 | |
| Q402 | | | UN5212 | DIGITAL TRANSISTOR | E2 | |
| Q402 | | | UN5212 | DIGITAL TRANSISTOR | KP1K1 | |
| Q402 | | | UN5212 | DIGITAL TRANSISTOR | P2E1Y1 | |
| Q412 | | | 2SA1576A(R,S) | TRANSISTOR | E2 | |
| Q412 | | | 2SA1576A(R,S) | TRANSISTOR | KP1K1 | |
| Q412 | | | 2SA1576A(R,S) | TRANSISTOR | P2E1Y1 | |
| Q412 | | | 2SA1586(Y,GR) | TRANSISTOR | E2 | |
| Q412 | | | 2SA1586(Y,GR) | TRANSISTOR | KP1K1 | |
| Q412 | | | 2SA1586(Y,GR) | TRANSISTOR | P2E1Y1 | |
| Q413 | | | DTC124EUA | DIGITAL TRANSISTOR | E2 | |
| Q413 | | | DTC124EUA | DIGITAL TRANSISTOR | KP1K1 | |
| Q413 | | | DTC124EUA | DIGITAL TRANSISTOR | P2E1Y1 | |
| Q413 | | | UN5212 | DIGITAL TRANSISTOR | E2 | |
| Q413 | | | UN5212 | DIGITAL TRANSISTOR | KP1K1 | |
| Q413 | | | UN5212 | DIGITAL TRANSISTOR | P2E1Y1 | |
| Q414 | | | 2SC4081(R,S) | TRANSISTOR | E2 | |
| Q414 | | | 2SC4081(R,S) | TRANSISTOR | KP1K1 | |
| Q414 | | | 2SC4081(R,S) | TRANSISTOR | P2E1Y1 | |
| Q414 | | | 2SC4116(Y,GR) | TRANSISTOR | E2 | |
| Q414 | | | 2SC4116(Y,GR) | TRANSISTOR | KP1K1 | |
| Q414 | | | 2SC4116(Y,GR) | TRANSISTOR | P2E1Y1 | |
| Q415 | | | 2SA1576A(R,S) | TRANSISTOR | E2 | |
| Q415 | | | 2SA1576A(R,S) | TRANSISTOR | KP1K1 | |
| Q415 | | | 2SA1576A(R,S) | TRANSISTOR | P2E1Y1 | |
| Q415 | | | 2SA1586(Y,GR) | TRANSISTOR | E2 | |
| Q415 | | | 2SA1586(Y,GR) | TRANSISTOR | KP1K1 | |
| Q415 | | | 2SA1586(Y,GR) | TRANSISTOR | P2E1Y1 | |

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|----------------------------------------------|----------|-----------|---------------|------------------------|--------------|----------|
| Q416,417 | | | 2SC4081(R,S) | TRANSISTOR | E2 | |
| Q416,417 | | | 2SC4081(R,S) | TRANSISTOR | KP1K1 | |
| Q416,417 | | | 2SC4081(R,S) | TRANSISTOR | P2E1Y1 | |
| Q416,417 | | | 2SC4116(Y,GR) | TRANSISTOR | E2 | |
| Q416,417 | | | 2SC4116(Y,GR) | TRANSISTOR | KP1K1 | |
| Q416,417 | | | 2SC4116(Y,GR) | TRANSISTOR | P2E1Y1 | |
| Q418 | | | DTC124EUA | DIGITAL TRANSISTOR | E2 | |
| Q418 | | | DTC124EUA | DIGITAL TRANSISTOR | KP1K1 | |
| Q418 | | | DTC124EUA | DIGITAL TRANSISTOR | P2E1Y1 | |
| Q418 | | | UN5212 | DIGITAL TRANSISTOR | E2 | |
| Q418 | | | UN5212 | DIGITAL TRANSISTOR | KP1K1 | |
| Q418 | | | UN5212 | DIGITAL TRANSISTOR | P2E1Y1 | |
| Q419 | | | DTA124EUA | DIGITAL TRANSISTOR | E1Y1E2 | |
| Q419 | | | UN5112 | DIGITAL TRANSISTOR | E1Y1E2 | |
| A1 | | | W02-2734-05 | OPTIC RECEIVING MODULE | | |
| A2 | | | W02-2717-05 | OSCILLATING MODULE | | |
| A3 ,4 | | | W02-2716-05 | OPTIC RECEIVING MODULE | | |
| A5 -9 | | | W02-2716-05 | OPTIC RECEIVING MODULE | K1P2 | |
| VIDEO UNIT (X35-2260-10) VR-5090 only | | | | | | |
| C1 -9 | | | CC73GCH1H100D | CHIP C | 10PF | D |
| C10 -15 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C16 -18 | | | CE04KW1A471M | ELECTRO | 470UF | 10WV |
| C19 -21 | | | CK73GB1C104K | CHIP C | 0.10UF | K |
| C22 -24 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C25 ,26 | | | CC73GCH1H180J | CHIP C | 18PF | J |
| C27 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C28 -30 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C31 | | | CC73GCH1H271J | CHIP C | 270PF | J |
| C32 | | | CC73GCH1H391J | CHIP C | 390PF | J |
| C33 | | | CK73GB1H472K | CHIP C | 4700PF | K |
| C34 | | | CE04KW1H2R2M | ELECTRO | 2.2UF | 50WV |
| C35 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C36 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C37 -39 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C40 ,41 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C42 | | | CK73GF1C224Z | CHIP C | 0.22UF | Z |
| C43 | | | CC73GCH1H220J | CHIP C | 22PF | J |
| C45 | | | CE04KW1H0R1M | ELECTRO | 0.1UF | 50WV |
| C46 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C47 | | | CE04KW1H4R7M | ELECTRO | 4.7UF | 50WV |
| C48 | | | CK73FF1C105Z | CHIP C | 1.0UF | Z |
| C49 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C50 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C51 ,52 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C53 | | | CE04KW1H010M | ELECTRO | 1.0UF | 50WV |
| C54 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C55 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |
| C56 | | | CK73GF1C224Z | CHIP C | 0.22UF | Z |
| C57 | | | CC73GCH1H221J | CHIP C | 220PF | J |
| C58 | | | CE04KW1H2R2M | ELECTRO | 2.2UF | 50WV |
| C59 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C60 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C61 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| C62 -64 | | | CE04KW1A101M | ELECTRO | 100UF | 10WV |

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Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components .

* New Parts

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Teile ohne **Parts No.** werden nicht geliefert.

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|---------------------------------|--------------|----------|
| C65 ,66 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C67 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C101,102 | | | CE04KW1C470M | ELECTRO | 47UF | 16WV |
| C104 | | | CK73GB1H182K | CHIP C | 1800PF | K |
| C105 | | | CC73GCH1H102J | CHIP C | 1000PF | J |
| C106 | | | CE04KW1H220M | ELECTRO | 22UF | 50WV |
| C107 | | | CK73FF1C105Z | CHIP C | 1.0UF | Z |
| C108,109 | | | CK73GB1H103K | CHIP C | 0.010UF | K |
| C110 | | | CC73GCH1H101J | CHIP C | 100PF | J |
| C151 | | | CE04KW1E470M | ELECTRO | 47UF | 25WV |
| C152 | | | CE04KW1H100M | ELECTRO | 10UF | 50WV |
| C153 | | | CK73GF1E104Z | CHIP C | 0.10UF | Z |
| CN1 | | | E40-9832-05 | SOCKET FOR PIN ASSY | | |
| J1 -3 | | | E63-1126-05 | PIN JACK | | |
| X1 | | | L77-2281-05 | CRYSTAL RESONATOR(3.579545 MHZ) | | |
| X3 | | | L78-0711-05 | RESONATOR (500KHZ) | | |
| R1 -6 | | | RK73FB2A750J | CHIP R | 75 | J 1/10W |
| R7 -9 | | | RK73GB1J104J | CHIP R | 100K | J 1/16W |
| R10 -12 | | | RK73FB2A680J | CHIP R | 68 | J 1/10W |
| R13 -15 | | | RK73GB1J1R0J | CHIP R | 1 | J 1/16W |
| R16 -20 | | | RK73GB1J473J | CHIP R | 47K | J 1/16W |
| R21 | | | RK73GB1J101J | CHIP R | 100 | J 1/16W |
| R22 ,23 | | | RK73GB1J102J | CHIP R | 1.0K | J 1/16W |
| R24 | | | RK73GB1J272J | CHIP R | 2.7K | J 1/16W |
| R25 ,26 | | | RK73GB1J123J | CHIP R | 12K | J 1/16W |
| R27 | | | RK73GB1J473J | CHIP R | 47K | J 1/16W |
| R28 | | | RK73GB1J1R0J | CHIP R | 1 | J 1/16W |
| R29 | | | RK73GB1J100J | CHIP R | 10 | J 1/16W |
| R30 | | | RK73GB1J1R0J | CHIP R | 1 | J 1/16W |
| R31 | | | RK73GB1J222J | CHIP R | 2.2K | J 1/16W |
| R32 | | | RK73GB1J331J | CHIP R | 330 | J 1/16W |
| R33 | | | RK73GB1J272J | CHIP R | 2.7K | J 1/16W |
| R34 | | | RK73GB1J432J | CHIP R | 4.3K | J 1/16W |
| R35 | | | RK73GB1J914J | CHIP R | 910K | J 1/16W |
| R36 | | | RK73GB1J242J | CHIP R | 2.4K | J 1/16W |
| R39 | | | RK73GB1J153J | CHIP R | 15K | J 1/16W |
| R40 | | | RK73GB1J684J | CHIP R | 680K | J 1/16W |
| R41 | | | RK73GB1J184J | CHIP R | 180K | J 1/16W |
| R42 | | | RK73GB1J433J | CHIP R | 43K | J 1/16W |
| R43 | | | RK73GB1J103J | CHIP R | 10K | J 1/16W |
| R44 | | | RK73GB1J273J | CHIP R | 27K | J 1/16W |
| R45 ,46 | | | RK73GB1J102J | CHIP R | 1.0K | J 1/16W |
| R47 | | | RK73GB1J182J | CHIP R | 1.8K | J 1/16W |
| R48 | | | RK73GB1J221J | CHIP R | 220 | J 1/16W |
| R49 | | | RK73GB1J151J | CHIP R | 150 | J 1/16W |
| R50 | | | RK73GB1J750J | CHIP R | 75 | J 1/16W |
| R51 | | | RK73GB1J183J | CHIP R | 18K | J 1/16W |
| R52 | | | RK73GB1J223J | CHIP R | 22K | J 1/16W |
| R53 | | | RK73GB1J102J | CHIP R | 1.0K | J 1/16W |
| R55 | | | RK73GB1J392J | CHIP R | 3.9K | J 1/16W |
| R56 | | | RK73GB1J183J | CHIP R | 18K | J 1/16W |
| R57 | | | RK73GB1J223J | CHIP R | 22K | J 1/16W |
| R58 | | | RK73GB1J103J | CHIP R | 10K | J 1/16W |
| R60 | | | RK73GB1J102J | CHIP R | 1.0K | J 1/16W |

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PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

| MODEL | CNT | Australia | Canada | China | England | Europe | Germany | Korea | Malaysia |
|--------------|------|-----------|----------|--------|-------------|----------|---------|------------|----------|
| | ABB. | X | P | C | T | E | G | H | I |
| VR-5080 | - | - | P1 | - | - | - | - | - | - |
| VR-5090 | - | - | P2 | - | - | - | - | - | - |
| KRF-X7775D | - | - | - | - | - | E1 | - | - | - |
| KRF-X7775D-S | - | X1 | - | - | - | E2 | - | - | - |
| MODEL | CNT | Mexico | PX/AAFES | Russia | Scandinavia | Shanghai | USA | Other area | |
| | ABB. | R | Y | Q | L | V | K | M | |
| VR-5080 | - | - | - | - | - | - | K | - | - |
| VR-5090 | - | - | - | - | - | - | K1 | - | - |
| KRF-X7775D | - | - | Y1 | - | - | - | - | - | - |
| KRF-X7775D-S | - | - | - | - | - | V | - | M1 | - |

* New Parts

Parts without **Parts No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

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| Ref. No | Add-ress | New Parts | Parts No. | Description | Desti-nation | Re-marks |
|----------|----------|-----------|---------------|-----------------------------|--------------|----------|
| R63-68 | | | RK73GB1J102J | CHIP R 1.0K | J | 1/16W |
| R69,70 | | | RK73GB1J222J | CHIP R 2.2K | J | 1/16W |
| R80 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R82 | | | RK73GB1J101J | CHIP R 100 | J | 1/16W |
| R83 | | | RK73GB1J1R0J | CHIP R 1 | J | 1/16W |
| R84-86 | | | RK73GB1J104J | CHIP R 100K | J | 1/16W |
| R87-90 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R93 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R94-100 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R101 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R102 | | | RK73GB1J273J | CHIP R 27K | J | 1/16W |
| R103 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R104 | | | RK73GB1J273J | CHIP R 27K | J | 1/16W |
| R105,106 | | | RK73GB1J332J | CHIP R 3.3K | J | 1/16W |
| R107 | | | RK73GB1J182J | CHIP R 1.8K | J | 1/16W |
| R108 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R109 | | | RK73GB1J223J | CHIP R 22K | J | 1/16W |
| R110 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R111 | | | RK73GB1J104J | CHIP R 100K | J | 1/16W |
| R112 | | | RK73GB1J101J | CHIP R 100 | J | 1/16W |
| R113 | | | RK73GB1J474J | CHIP R 470K | J | 1/16W |
| R114 | | | RK73GB1J183J | CHIP R 18K | J | 1/16W |
| R115,116 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R117 | | | RK73GB1J222J | CHIP R 2.2K | J | 1/16W |
| R118 | | | RK73GB1J103J | CHIP R 10K | J | 1/16W |
| R119 | | | RK73GB1J1R0J | CHIP R 1 | J | 1/16W |
| R120-132 | | | RK73GB1J473J | CHIP R 47K | J | 1/16W |
| R139-144 | | | RK73GB1J4R7J | CHIP R 4.7 | J | 1/16W |
| R151,152 | | | RK73GB1J1R0J | CHIP R 1 | J | 1/16W |
| R153,154 | | | RK73GB1J102J | CHIP R 1.0K | J | 1/16W |
| VR1,2 | | | R12-3100-05 | TRIMMING POT.(10K) | | |
| W1-3 | | | R92-1963-05 | JUMPER WIRE (RESISTOR TYPE) | | |
| D3 | | | DAP202U | DIODE | | |
| D3 | | | 1SS300 | DIODE | | |
| D4 | | | DA204U | DIODE | | |
| D4 | | | 1SS302 | DIODE | | |
| IC1-3 | | * | ADG704BRM | ANALOGUE IC | | |
| IC4 | | * | CLC5623IM | ANALOGUE IC | | |
| IC5 | | | UPC1830GT | ANALOGUE IC | | |
| IC8 | | | UPC29M05HB | ANALOGUE IC | | |
| IC10 | | | NJM4565M | ANALOGUE IC | | |
| Q1 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q1 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| Q2 | | | 2SA1576A(R,S) | TRANSISTOR | | |
| Q2 | | | 2SA1586(Y,GR) | TRANSISTOR | | |
| Q3 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q3 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| Q7,8 | | | DTA124EUA | DIGITAL TRANSISTOR | | |
| Q7,8 | | | UN5112 | DIGITAL TRANSISTOR | | |
| Q9,10 | | | DTC124EUA | DIGITAL TRANSISTOR | | |
| Q9,10 | | | UN5212 | DIGITAL TRANSISTOR | | |
| Q11 | | | 2SC4081(R,S) | TRANSISTOR | | |
| Q11 | | | 2SC4116(Y,GR) | TRANSISTOR | | |
| Q15-17 | | | 2SC4213(B) | TRANSISTOR | | |

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East,Hawaii)

T : England

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

△ indicates safety critical components.

PARTS LIST

KRF-X7775D/X7775D-S/VR-5080/5090

SPECIFICATIONS

KRF-X7775D (for U.K.)

Audio Section

Rated Output Power during stereo operation
 1 kHz, 0.03% T.H.D., 6Ω (DIN/IEC) 130W + 130 W
 20 Hz ~ 20 kHz, 0.03% T.H.D., 6Ω (IEC) 120W + 120 W

Effective Output Power during surround operation (Simultaneous power)

Front
 20 Hz ~ 20 kHz, 0.03% T.H.D. at 6Ω 120W + 120 W
 Center
 20 Hz ~ 20 kHz, 0.03% T.H.D. at 6Ω 120W
 Surround
 20 Hz ~ 20 kHz, 0.03% T.H.D. at 6Ω 120W + 120W

Effective Output Power during surround operation
 1 kHz, 0.06% T.H.D. at 6Ω all channel driven (Front, Centre, Surround) 100W × 5
 Total Harmonic Distortion 0.005 % (1 kHz, 60 W, 6 Ω)

Frequency Response (IHF'66)
 Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 3, DVD/6CH.) 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF '66)
 PHONO (MM) 76 dB
 CD1 98 dB

Input Sensitivity / Impedance
 PHONO (MM) 4.0 mV / 47 kΩ
 CD1 300 mV / 47 kΩ
 DVD/6CH. 300 mV / 47 kΩ

Output Level / Impedance
 TAPE REC 300 mV / 2.2 kΩ
 PREOUT (Front, Center, Surround, Surround back) 1 V / 470 Ω
 PREOUT (Subwoofer) 1.8 V / 470 Ω

Tone Control
 Bass ± 7 dB (at 100 Hz)
 Treble ± 7 dB (at 10 kHz)

Loudness Control Volume at -30 dB level
 +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section
 Sampling Frequency 32 kHz, 44.1 kHz, 48 kHz, 96 kHz

Input Level / Impedance / Wavelength
 Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm
 Coaxial 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength
 Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm

Video Section

Video Inputs / Outputs
 Video (composite) 1 Vp-p / 75 Ω
 S Video (luminance signal) 1 Vp-p / 75 Ω
 (chrominance signal) 0.286 Vp-p / 75 Ω
 Component (luminance signal) 1 Vp-p / 75 Ω
 (Cb/Cr-signal) ±0.350 Vp-p / 75 Ω

FM Tuner Section

Tuning Frequency Range 87.5 MHz ~ 108 MHz
 Usable Sensitivity (DIN at 75 Ω)
 Mono 1.3 μV / 13.2 dBf (40 kHz dev., S/N 26 dB)
 Stereo 35.1 μV / 42.1 dBf (46 kHz dev., S/N 46 dB)

Total Harmonic Distortion (DIN at 1 kHz)
 Mono 0.2 % (71.2 dBf input)
 Stereo 0.8 % (71.2 dBf input)

Signal to Noise Ratio (DIN weighted, 1kHz)
 Mono 65 dB (40 kHz dev., 71.2 dBf input)
 Stereo 60 dB (40 kHz dev., 71.2 dBf input)

Stereo Separation (DIN at 1 kHz) 36 dB
 Selectivity (DIN ±300 kHz) 64 dB
 Frequency Response 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

Tuning Frequency Range 531 kHz ~ 1,602 kHz
 Usable Sensitivity (30 % mod., S/N 20 dB) 16 μV / (500 μV/m)

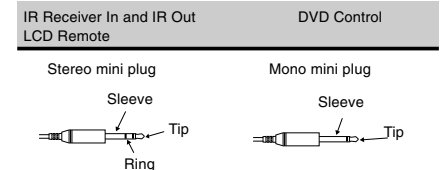
Signal to Noise Ratio (30 % mod., 1 mV input) 50 dB

IR In/Out Section

IR Receiver In Terminal
 Maximum Output Current 20 mA
 Operating Voltage 12 V
 Output Impedance 470 Ω

IR Out LCD Remote Terminal
 Maximum Output Current 20 mA
 Operating Voltage 5 V
 Output Impedance 470 Ω

SHAPE OF PLUG TO BE CONNECTED:



IR IN/OUT SPECIFICATION:

| | Terminal | |
|-----------|----------------|-------------------|
| | IR Receiver In | IR Out LCD Remote |
| To Tip | Signal | Signal |
| To Ring | Ground | — |
| To Sleeve | +12V | Ground |

General

Power consumption 500 W
 AC outlet
 Switched 2 (total 90 W max.)
 Dimensions W : 440mm
 H : 191mm
 D : 416mm
 Weight (Net) 16.8 kg

KRF-X7775D (for Other Countries)

Audio Section

Rated Output Power during stereo operation
 20 Hz ~ 20 kHz, 0.7% T.H.D., 6Ω (IEC) 130W + 130 W
 120 watts per channel minimum RMS, both channels driven, at 6 Ω from 20Hz to 20kHz with no more than 0.05% total harmonic distortion (FTC).

Effective Output Power during stereo operation
 1 kHz, 10% T.H.D. at 6 Ω 170 W + 170 W

Effective Output Power during surround operation, one channel driven
 Front
 1 kHz, 10% T.H.D. at 6 Ω 180 W + 180 W
 20 Hz ~ 20 kHz, 0.06% T.H.D. at 6 Ω 150 W + 150 W
 Center
 1 kHz, 10% T.H.D. at 6 Ω 180 W
 20 Hz ~ 20 kHz, 0.06% T.H.D. at 6 Ω 150 W
 Surround
 1 kHz, 10% T.H.D. at 6 Ω 180 W + 180 W
 20 Hz ~ 20 kHz, 0.06% T.H.D. at 6 Ω 150 W + 150 W

Effective Output Power during surround operation, all channel driven (Front, Center, Surround)
 1 kHz, 0.006% T.H.D. at 6 Ω 95 W × 5
 Total Harmonic Distortion 0.005 % (1 kHz, 65 W, 6 Ω)

Frequency Response (IHF'66)
 Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 3, DVD/6CH.) 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF '66)
 PHONO (MM) 76 dB
 CD1 98 dB

Input Sensitivity / Impedance
 PHONO (MM) 4.0 mV / 47 kΩ
 CD1 300 mV / 47 kΩ
 DVD/6CH. 300 mV / 47 kΩ

Output Level / Impedance
 TAPE REC 300 mV / 2.2 k Ω
 PRE OUT (Front, Center, Surround, Surround back) 1 V / 470 Ω
 PRE OUT (Subwoofer) 1.8 V / 470 Ω

Tone Control
 Bass ± 7 dB (at 100 Hz)
 Treble ± 7 dB (at 10 kHz)

Loudness Control
 Volume at -30 dB level +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section

Sampling Frequency 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
 Input Level / Impedance / Wavelength
 Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm
 Coaxial 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength
 Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm

Video Section

Video Inputs / Outputs
 Video (composite) 1 Vp-p / 75 Ω
 S Video (luminance signal) 1 Vp-p / 75 Ω
 (chrominance signal) 0.286 Vp-p / 75 Ω
 Component (luminance signal) 1 Vp-p / 75 Ω
 (Cb/Cr-signal) ±0.350 Vp-p / 75 Ω

FM Tuner Section

Tuning Frequency Range 87.5 MHz ~ 108 MHz
 Usable Sensitivity (Mono) 1.3 μV (75 Ω) / 13.2 dBf (75 kHz dev., sinad 30 dB)

50dB Quieting Sensitivity
 Stereo 25.1 μV (75 Ω) / 39.2 dBf

Total Harmonic Distortion (1 kHz)
 Mono 0.3 % (71.2 dBf input)
 Stereo 0.5 % (71.2 dBf input)

Signal to Noise Ratio (1 kHz, 75 kHz DEV.)
 Mono 75 dB (71.2 dBf input)
 Stereo 70 dB (71.2 dBf input)

Stereo Separation (1 kHz) 40 dB
 Selectivity (±400 kHz) 50 dB
 Frequency Response 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

Tuning Frequency Range
 9kHz step 531 kHz ~ 1,602 kHz
 10kHz step 530 kHz ~ 1,610 kHz

Usable Sensitivity (30 % mod., S/N 20 dB) 16 μV / (500 μV/m)
 Signal to Noise Ratio (30 % mod. 1 mV input) 50 dB

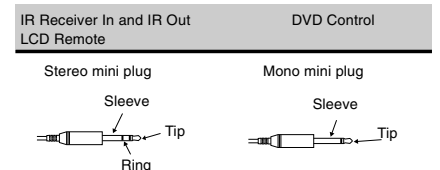
IR In/Out Section (for U. S. military)

IR Receiver In Terminal

Maximum Output Current 20 mA
 Operating Voltage 12 V
 Output Impedance 470 Ω

IR Out LCD Remote Terminal
 Maximum Output Current 20 mA
 Operating Voltage 5 V
 Output Impedance 470 Ω

SHAPE OF PLUG TO BE CONNECTED:



IR IN/OUT SPECIFICATION:

| | Terminal | |
|-----------|----------------|-------------------|
| | IR Receiver In | IR Out LCD Remote |
| To Tip | Signal | Signal |
| To Ring | Ground | — |
| To Sleeve | +12V | Ground |

General

Power consumption 500 W
 AC outlet
 Switched (except for Australia) 2 (total 90 W max.)
 Switched (for Australia) 1 (total 90 W max.)
 Dimensions W : 440mm
 H : 191mm
 D : 416mm
 Weight (Net) 16.8 kg

Kenwood follows a policy of continuous advancements in development. For this reason, specifications may be changed without notice.

Full performance may not be exhibited in extremely cold locations (below 0 deg. C).

KRF-X7775D/X7775D-S/VR-5080/5090

SPECIFICATIONS

VR-5090/VR-5080

Audio Section

Rated Output Power during stereo operation

110 watts per channel minimum RMS, both channels driven, at 6 Ω from 20Hz to 20kHz with no more than 0.03% total harmonic distortion (FTC).

Effective Output Power during surround operation

1 kHz, 0.06% T.H.D. at 6 Ω, all channel driven (Front, Center, Surround) 80 W × 5

Total Harmonic Distortion 0.005 % (1 kHz, 55 W, 6 Ω)

Frequency Response (IHF'66)

VR-5090

Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 4, DVD/6CH.) 7 Hz ~ 100 kHz, 0 dB, -3 dB

VR-5080

Line (CD1, MD/TAPE, CD2/TAPE2 MONITOR, CD-R, VIDEO 1 - 3, DVD/6CH.) 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF '66)

PHONO (MM) 76 dB

CD1 98 dB

Input Sensitivity / Impedance

PHONO (MM) 4.0 mV / 47 kΩ

CD1 300 mV / 47 kΩ

DVD/6CH. 300 mV / 47 kΩ

Output Level / Impedance

TAPE REC 300 mV / 2.2 kΩ

PRE OUT (Front, Center, Surround, Surround back) 1 V / 470 Ω

PRE OUT (Subwoofer) 1.8 V / 470 Ω

Tone Control

Bass ±7 dB (at 100 Hz)

Treble ±7 dB (at 10 kHz)

Loudness Control

Volume at -30 dB level +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section

Sampling Frequency 32 kHz, 44.1 kHz, 48 kHz, 96 kHz

Input Level / Impedance / Wavelength

Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm

Coaxial 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength

VR-5090

Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm

Coaxial 0.5 Vp-p / 75 Ω

VR-5080

Optical -15 dBm ~ -21 dBm, 660 nm ±30 nm

Video Section

Video Inputs / Outputs

Video (composite) 1 Vp-p / 75 Ω

S Video (luminance signal) 1 Vp-p / 75 Ω

(chrominance signal) 0.286 Vp-p / 75 Ω

Component (luminance signal) 1 Vp-p / 75 Ω

(Pb/Pa-signal) ±0.324 Vp-p / 75 Ω

FM Tuner Section

Tuning Frequency Range 87.5 MHz ~ 108 MHz

Usable Sensitivity (Mono)

..... 1.2 μV (75 Ω) / 12.2 dBf (75 kHz dev., sinad 30 dB)

50dB Quieting Sensitivity

Stereo 22.4 μV (75Ω) / 38.2 dBf

Total Harmonic Distortion (1 kHz)

Mono 0.3 % (71.2 dBf input)

Stereo 0.5 % (71.2 dBf input)

Signal to Noise Ratio (1 kHz, 75 kHz DEV.)

Mono 75 dB (71.2 dBf input)

Stereo 70 dB (71.2 dBf input)

Stereo Separation (1 kHz) 40 dB

Selectivity (±400 kHz) 70 dB

Frequency Response 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

Tuning Frequency Range

10kHz step 530 kHz ~ 1,700 kHz

Usable Sensitivity (30 % mod., S/N 20 dB)

..... 16 μV / (500 μV/m)

Signal to Noise Ratio (30 % mod. 1 mV input) 50 dB

IR In/Out Section

IR Receiver In Terminal

Maximum Output Current 20 mA

Operating Voltage 12 V

Output Impedance 470 Ω

IR Out LCD Remote Terminal

Maximum Output Current 20 mA

Operating Voltage 5 V

Output Impedance 470 Ω

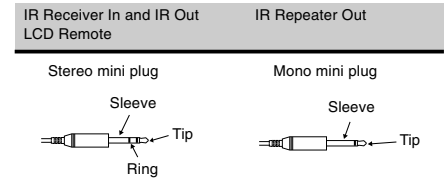
IR Repeater Out Terminal

Maximum Output Current 20 mA

Operating Voltage 12 V

Output Impedance 470 Ω

SHAPE OF PLUG TO BE CONNECTED:



IR IN/OUT SPECIFICATION:

| Terminal | IR Receiver In | IR Out LCD Remote |
|-----------|----------------|-------------------|
| To Tip | Signal | Signal |
| To Ground | Ground | — |
| To Sleeve | +12V | Ground |

General

Power consumption 5 A

AC outlet Switched 2 (total 90W, 0.75 A max.)

Dimensions W: 440mm (17-5/16")

..... H: 191mm (7-1/2")

..... D: 416mm (16-3/8")

Weight (Net) 15.0 kg (33.0 lb)

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