

JVC

SCHEMATIC DIAGRAMS

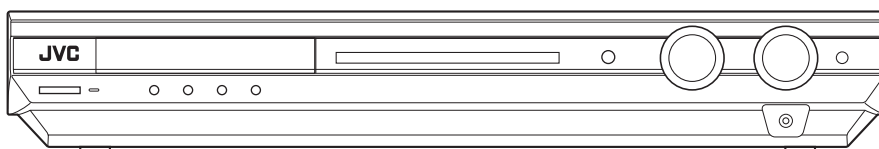
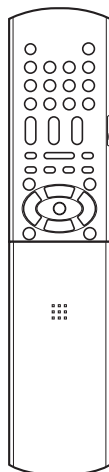
HOME CINEMA CONTROL CENTER

RX-E5S

CD-ROM No.SML200405

Area suffix

US ----- Singapore
UP ----- Korea
UT ----- Taiwan

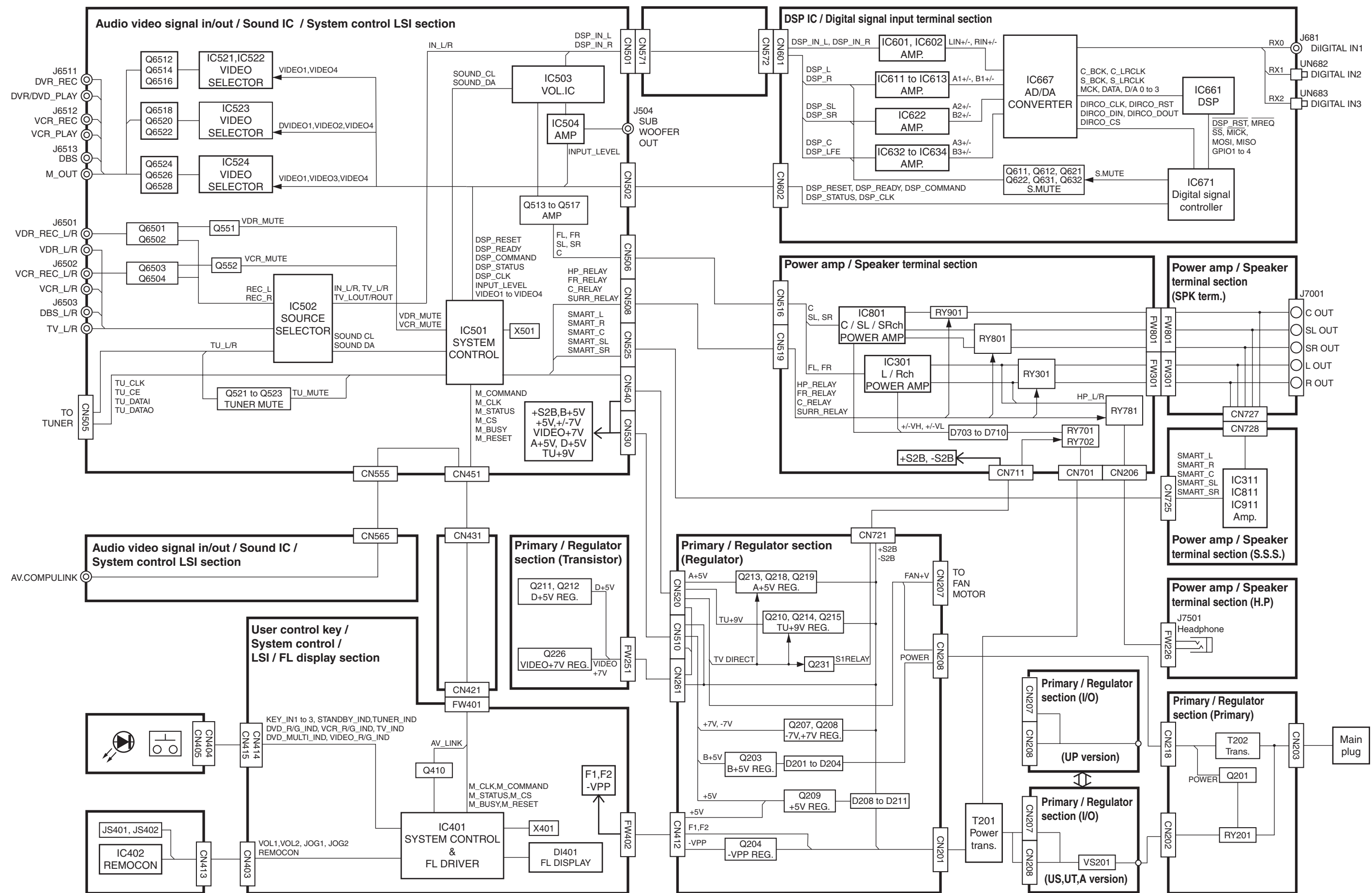


AV COMPU LINK

Contents

Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-8 to 12


Block diagram



■ Primary / Regulator section (US, UT, A)



SHEET NUMBER	CIRC IT DISCRIPTION
1	PRIMARY/REGULATOR (U.S.UT. A)
2	PRIMARY/REGULATOR (UP)
3	POWER AMP/SPEAKER TERMINAL
4	AUDIO- VIDEO SIGNAL IN/OUT/SOUND IC/SYSTEM CONTROL LSI
5	USER CONTROL KEYS/SYSTEM CONTROL LSI/FL DISPLAY
6	DSP IC/DIGITAL SIGNAL INPUT TERMINAL

 Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Primary / Regulator section (UP)

TO CN711 OF LVA10482-1
(SHEET 3)

UP

LVA10481-9

(SHEET 2)

LVA10481-4

TO FW402 OF LVA10481-1
(SHEET 5)

TO CN701 OF LVA10482-1
(SHEET 3)

LVA10481-7

LVA10481-5

TO FW252 OF LVA10481-9
(SHEET 2)

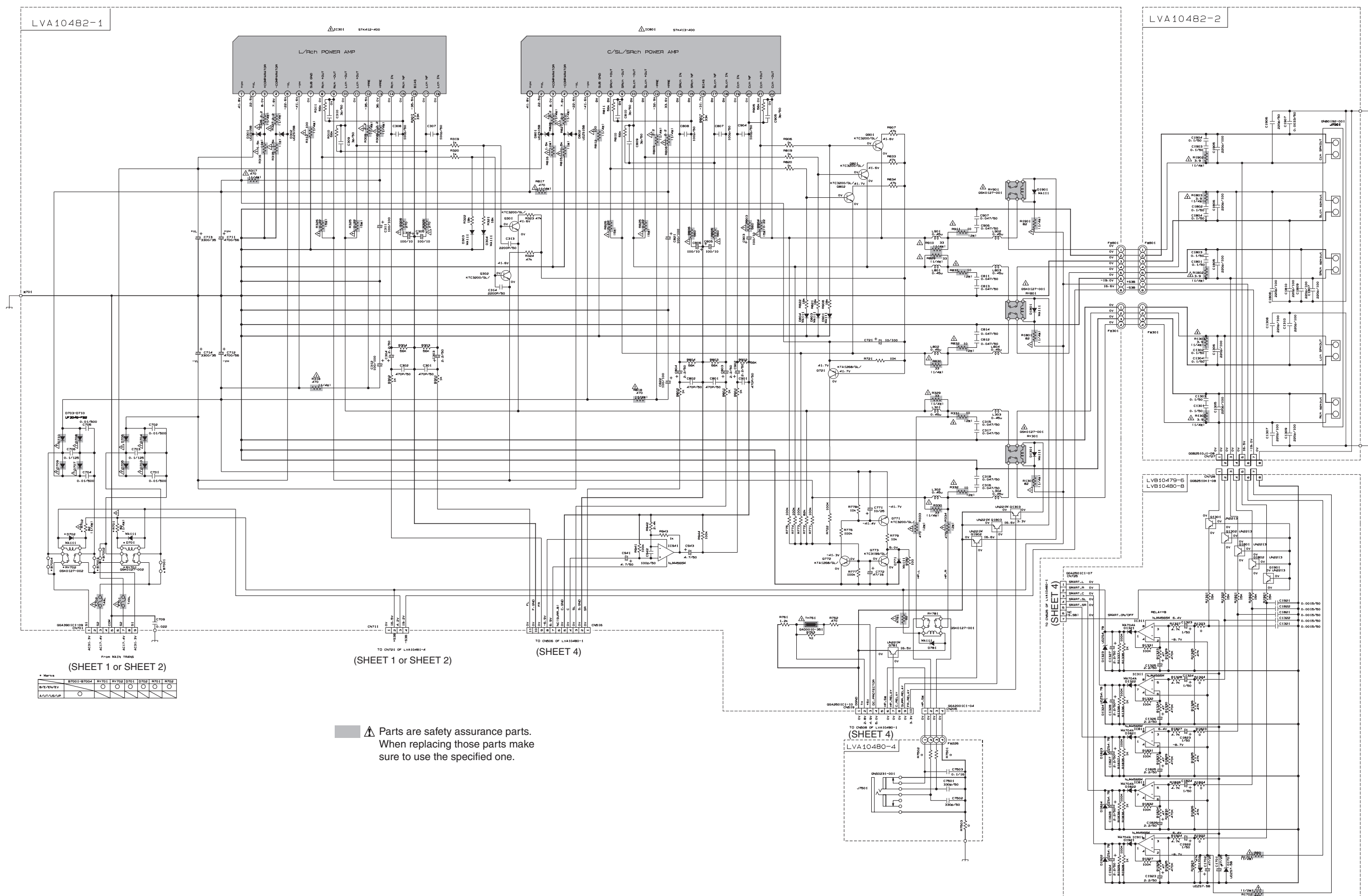
VERSION CODES


E : CONTINENTAL EUROPE
EN : NORTHERN EUROPE
B : U. K.
EV : EASTERN EUROPE
A : AUSTRIA
US : SINGAPORE
UT : TAIWAN
UP : KOREA

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

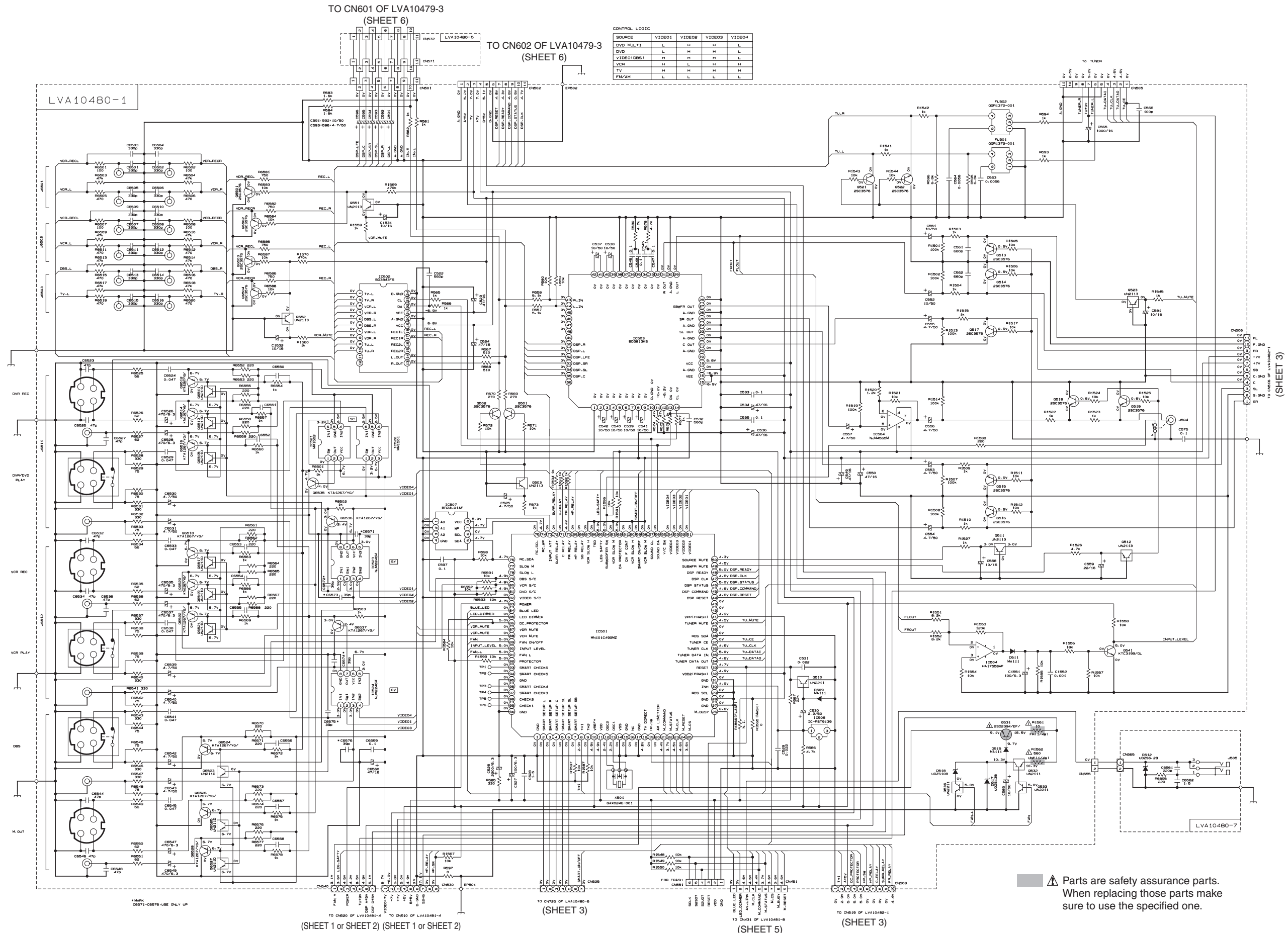
TO CN640 OF LVA10480-1 (SHEET 4) TO CN630 OF LVA10480-1 (SHEET 4)


■ Power amp / Speaker terminal section



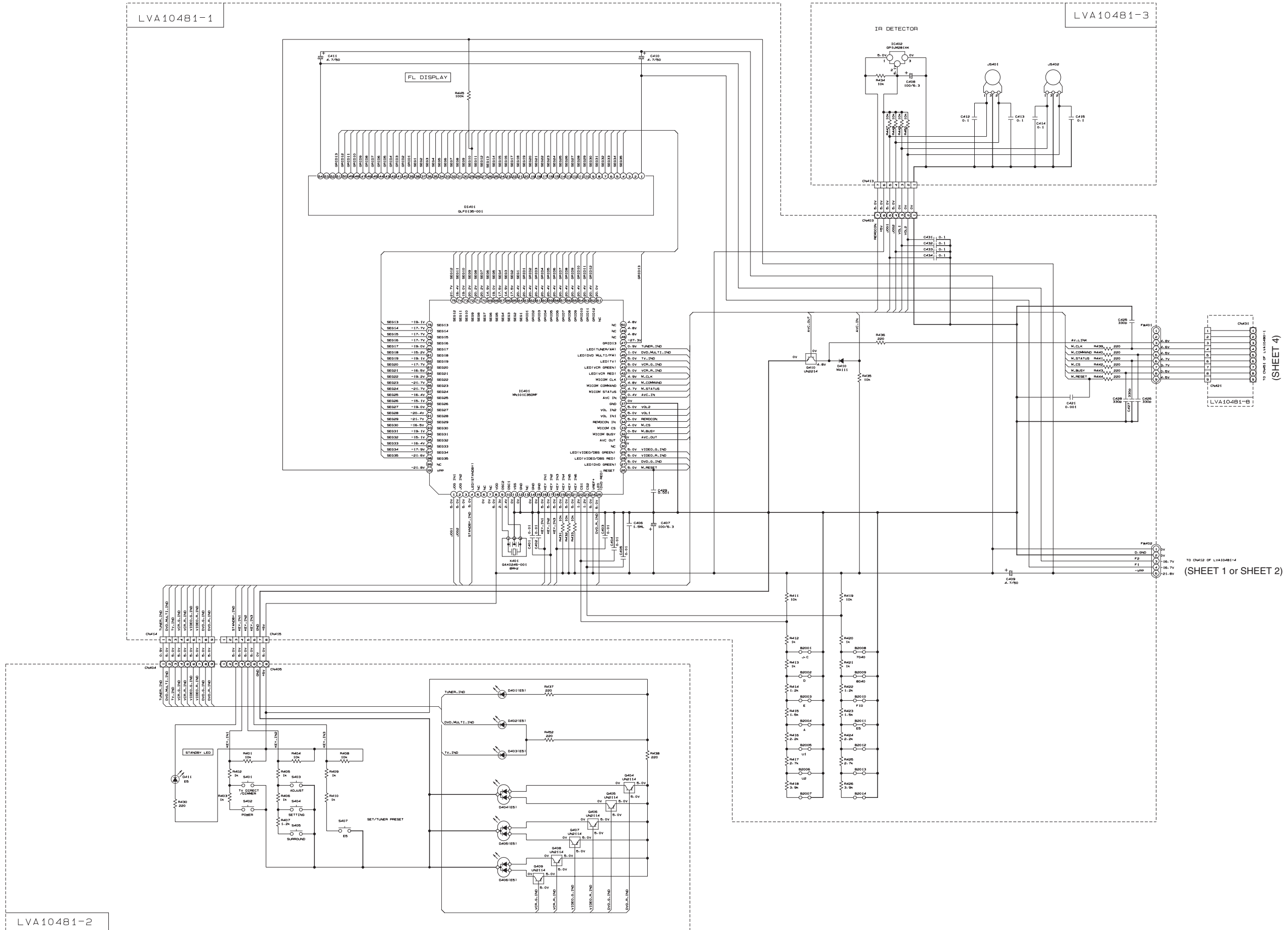
 Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Audio video signal in / out / system control LSI section

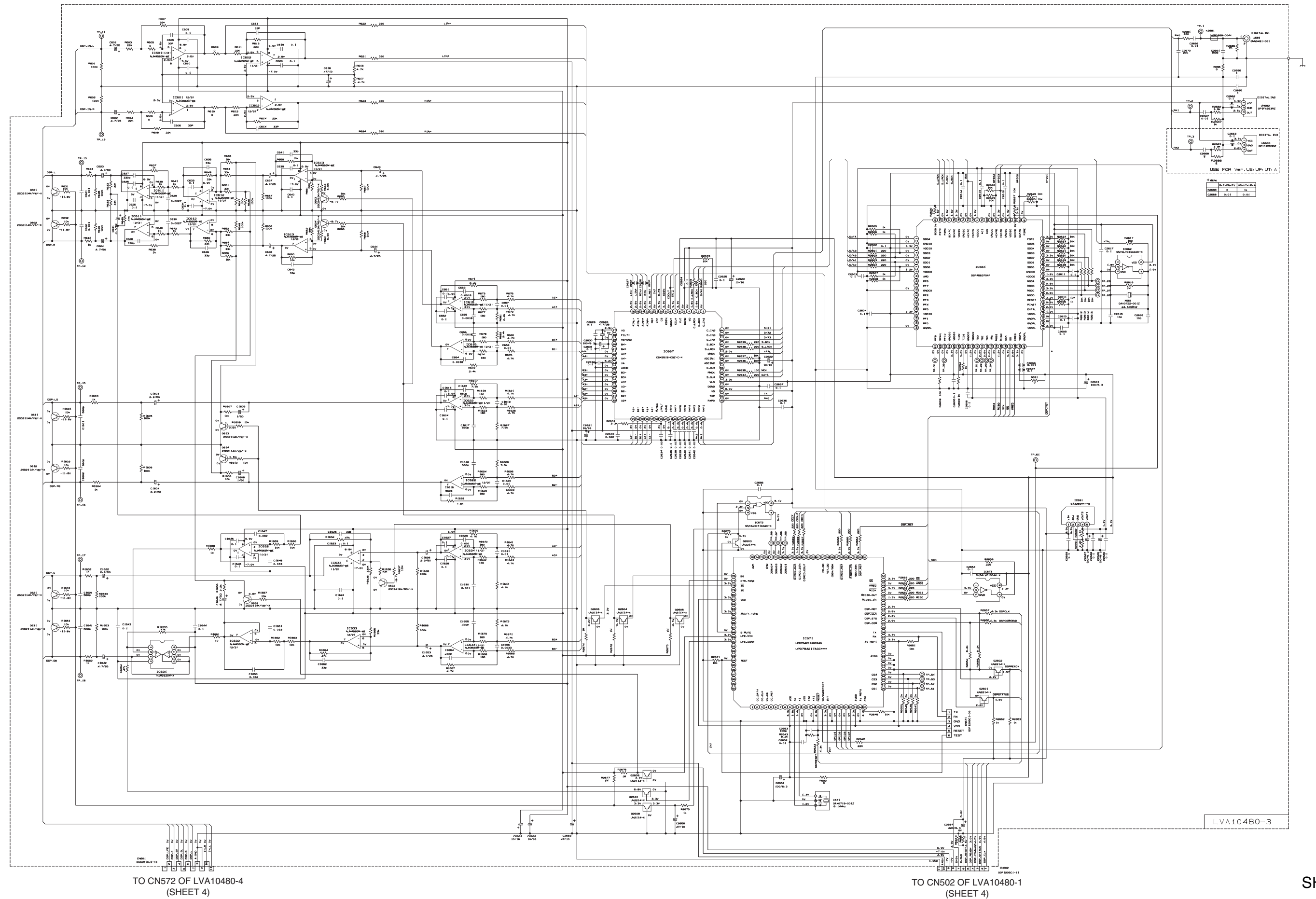


 **Parts are safety assurance parts.**
When replacing those parts make
sure to use the specified one.

■ User control keys / system control LSI / FL display section



■ DSP IC / Digital signal input terminal section



SPECIFICATION

Amplifier			
Output Power			
At stereo operation	Front channels	50 W per channel, min. RMS, both channels driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion. (IEC268-3)	
At surround operation	Front channels	50 W per channel, min. RMS, driven into 6 Ω at 1 kHz with no more than 0.8% total harmonic distortion.	
	Center channel	50 W, min. RMS, driven into 6 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.	
	Surround channels	50 W per channel, min. RMS, driven into 6 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.	
Audio			
Audio Input Sensitivity/Impedance	DVR/DVD, VCR, TV, VIDEO:170 mV(p-p)/47 kΩ		
Audio Input (DIGITAL IN)*1	Coaxial	DIGITAL IN 1(DVR/DVD)	0.5 V(p-p)/75 Ω
	Optical	DIGITAL IN 2(VIDEO)	-21 dBm to -15 dBm (660 nm ±30 nm)
Audio Output Level	DVR/DVD, VCR, TV:170 mV		
Signal-to-Noise Ratio ('66 IHF/DIN)	80 dB/62 dB		
Frequency Response (6 Ω)	20 Hz to 20 kHz (±1 dB)		
Bass Boost	+4 dB ±1 dB at 100 Hz		
Equalization	Center frequency	63 Hz, 250 Hz, 1 kHz, 4 kHz, 16 kHz	
	Control range	±8 dB	
Video			
Video Input Sensitivity/Impedance	Composite video:DVR/DVD, VCR, TV, VIDEO		1 V(p-p)/75 Ω
	S-video:DVR/DVD, VCR		Y (luminance):1 V(p-p)/75 Ω
			C (chrominance, burst):0.3 V(p-p)/75 Ω
	RGB:DVR/DVD, VCR		0.7 V(p-p)/75 Ω
	Component:DVR/DVD		Y (luminance):1 V(p-p)/75 Ω
PB, PR:0.7 V(p-p)/75 Ω			
Video Output Level/Impedance	Composite video:DVR/DVD, VCR, TV		1 V(p-p)/75 Ω
	S-video:TV		Y (luminance):1 V(p-p)/75 Ω
			C (chrominance, burst):0.3 V(p-p)/75 Ω
	RGB:TV		0.7 V(p-p)/75 Ω
	Component:MONITOR OUT		Y (luminance):1 V(p-p)/75 Ω
PB, PR:0.7 V(p-p)/75 Ω			
Synchronization	Negative		
FM tuner (IHF)			
Tuning Range	87.50 MHz to 108.00 MHz		
Usable Sensitivity	Monaural	17.0 dBf (1.95 μV/75 Ω)	
50 dB Quieting Sensitivity	Monaural	21.3 dBf (3.2 μV/75 Ω)	
	Stereo	41.3 dBf (31.5 μV/75 Ω)	
Stereo Separation at Rec Out	35 dB at 1 kHz		
AM (MW) tuner			
Tuning Range	522 kHz to 1 629 kHz		
General			
Power Requirements	AC 230 V , 50 Hz		
Power Consumption	120 W (at operation) 2 W (in standby mode)		
Dimensions (W × H × D)	435 mm × 70 mm × 326.5 mm		
Mass	5.6 kg		

*1: Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency-32 kHz, 44.1 kHz, 48 kHz).
 Designs and specifications are subject to change without notice.

SECTION 1 PRECAUTION

Please refer to "RX-E5S No.MB165" about this section.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Please refer to "RX-E5S No.MB165" about this section.

SECTION 3 DISASSEMBLY

Please refer to "RX-E5S No.MB165" about this section.

SECTION 4 ADJUSTMENT

Please refer to "RX-E5S No.MB165" about this section.

SECTION 5 TROUBLESHOOTING

Please refer to "RX-E5S No.MB165" about this section.