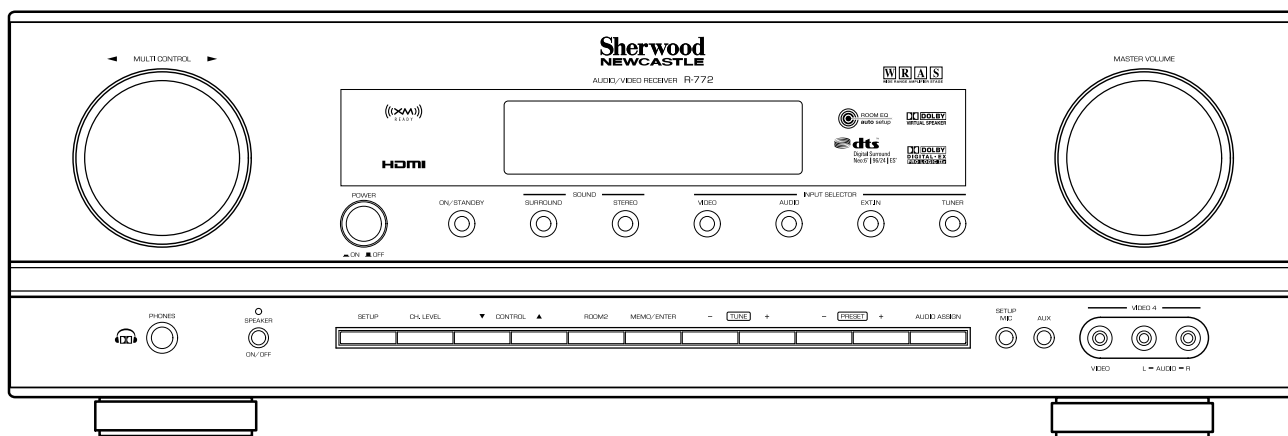


SERVICE MANUAL

R-772

AUDIO/VIDEO RECEIVER



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SAFETY PRECAUTIONS

WARNING

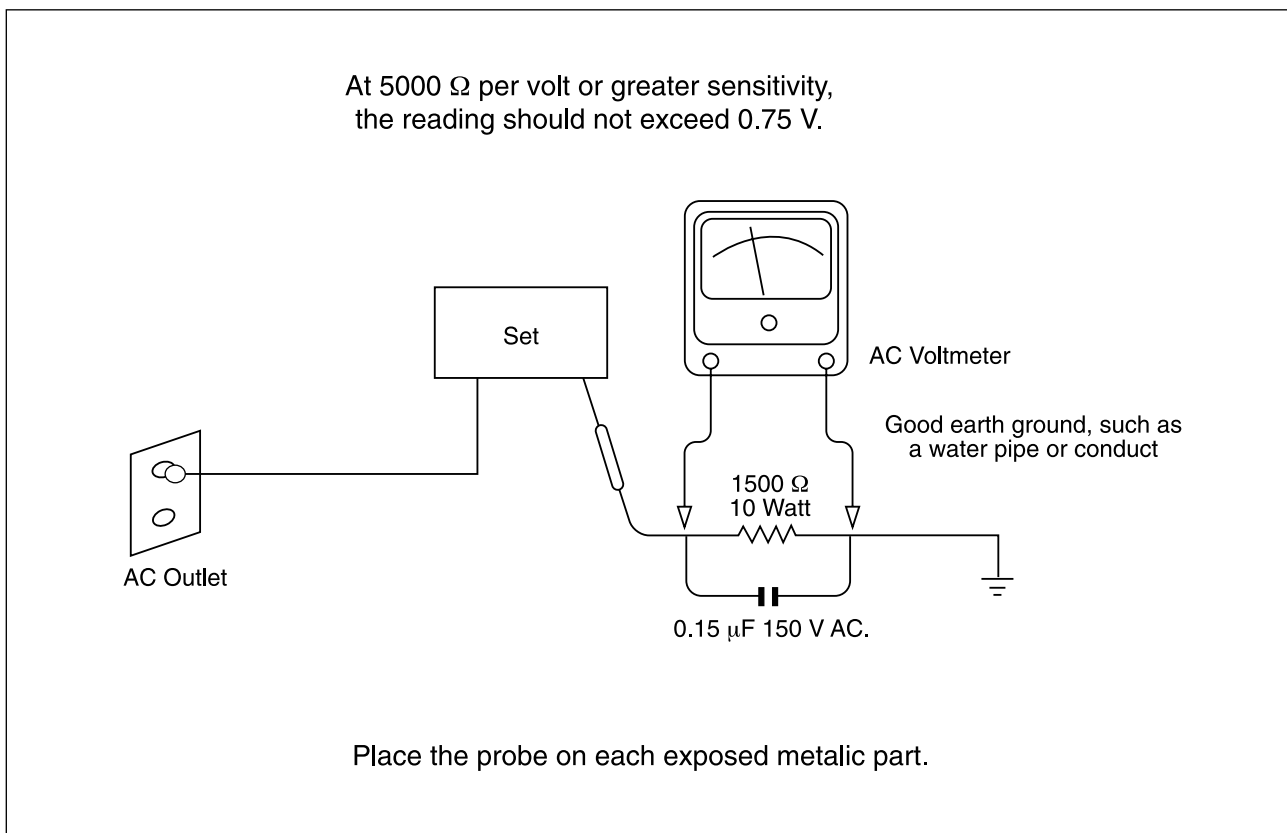
Before servicing this unit, familiarize yourself with the following precautions:

1. Many electrical and mechanical parts in this chassis have special safety characteristics that often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements: electrical components having such features are identified by ⚠ in the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

2. Before returning the set to the customer, always do an AC leakage current check on the

exposed metal parts of the cabinet, such as terminals, screw heads, and metal overlays, to be sure the set is safe to operate danger of electrical shock. Plug the AC line cord directly into a 120 V AC outlet(USA Version) or 230 V AC outlet(EU Version). (Do not use a line isolation transformer during this check.) Be sure your AC voltmeter has a sensitivity of 5000 Ω per volt or greater. Then connect a 1500 Ω 10 watt resistor, paralleled by a 0.15 μ F 150 V AC capacitor, between a known good earth ground(such as a water pipe, or conduit) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of a 1500 Ω resistor and a 0.15 μ F capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 V RMS. This corresponds to 0.2 mA AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



SPECIFICATIONS

Measuring methods are based on IHF and IEC standard 268-3

Measurements conditions, unless otherwise noted :

Output resistive load = (6) ohms / Both channel driven

Tone Direct ON , Other SW's : OFF

Nominal input level : 5mV for MM, 0.5mV for MC, 500mV for general purpose inputs

Power figures should be kept minimum 10min. between 15 and 35°C

Terminator : 100ohm for MC, 1kohm for MM and general purpose inputs

Filter : IHF-A filter

R/O = Rated Output

Power supply : 120V/60Hz (A), 230V/50Hz (RDS)

FRONT AMP SECTION

* SPKR LEVEL:ALL 0dB

* SPK SIZE:YES

* EXT IN INPUT * TONE OFF * X-OVER:FULL RANGE

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT IN INPUT	1kHz	R/O	mV	300±50	300±30
2	TOTAL HARMONIC DISTORTION (STEREO IN)	EXT IN INPUT	40Hz	R/O-3dB	%	≤0.12	≤0.08
			1kHz	"	%	≤0.12	≤0.08
			20KHz	"	%	≤0.2	≤0.12
3	CONTINUOUS AVERAGE POWER at 1 % THD (STEREO IN)	EXT IN INPUT	40Hz	(6)ohms	W	85	90
			1kHz	"	W	95	100
			20KHz	"	W	85	90
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT IN INPUT	1kHz	R/O	dB	≥85	≥90
5	FREQUENCY RESPONSE (-3dB)	EXT IN INPUT		1W / 1kHz Ref.	Hz~kHz	20~50	20~55

CENTER AMP SECTION(FRONT CENTER)

* SPKR LEVEL:ALL 0dB

* SPK SIZE:YES

* EXT IN INPUT * TONE OFF * X-OVER:FULL RANGE

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT IN INPUT	1kHz	R/O	mV	300±50	300±30
2	TOTAL HARMONIC DISTORTION (STEREO IN)	EXT IN INPUT	40Hz	R/O-3dB	%	≤0.12	≤0.08
			1kHz	"	%	≤0.12	≤0.08
			20KHz	"	%	≤0.2	≤0.12
3	CONTINUOUS AVERAGE POWER at 1 % THD (STEREO IN)	EXT IN INPUT	40Hz	(6)ohms	W	85	90
			1kHz	"	W	95	100
			20KHz	"	W	85	90
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT IN INPUT	1kHz	R/O	dB	≥85	≥90
5	FREQUENCY RESPONSE (-3dB)	EXT IN INPUT		1W / 1kHz Ref.	Hz~kHz	20~50	20~55

SURROUND AMP SECTION

* SPKR LEVEL:ALL 0dB

* SPK SIZE:YES

* EXT IN INPUT * TONE OFF * X-OVER:FULL RANGE

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT IN INPUT	1kHz	R/O	mV	300±50	300±30
2	TOTAL HARMONIC DISTORTION (STEREO IN)	EXT IN INPUT	40Hz	R/O-3dB	%	≤0.12	≤0.08
			1kHz	"	%	≤0.12	≤0.08
			20KHz	"	%	≤0.3	≤0.2
3	CONTINUOUS AVERAGE POWER at 1 % THD (STEREO IN)	EXT IN INPUT	40Hz	(6)ohms	W	85	90
			1kHz	"	W	95	100
			20KHz	"	W	85	90

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT IN INPUT	1kHz	R/O	dB	≥ 85	≥ 90
5	FREQUENCY RESPONSE	EXT IN INPUT		1W / 1kHz Ref.	Hz~kHz	20~50	20~55

SURROUND BACK AMP SECTION

* SPKR LEVEL:ALL 0dB

* SPK SIZE:YES

* EXT IN INPUT * TONE OFF

* X-OVER:FULL RANGE

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT IN INPUT	1kHz	R/O	mV	300±50	300±30
2	TOTAL HARMONIC DISTORTION (STEREO IN)	EXT IN INPUT	40Hz	R/O-3dB	%	≤ 0.12	≤ 0.08
			1kHz	"	%	≤ 0.12	≤ 0.08
			20KHz	"	%	≤ 0.3	≤ 0.2
3	CONTINUOUS AVERAGE POWER at 1 % THD (STEREO IN)	EXT IN INPUT	40Hz	(6)ohms	W	85	90
			1kHz	"	W	95	100
			20KHz	"	W	85	90
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT IN INPUT	1kHz	R/O	dB	≥ 85	≥ 90
5	FREQUENCY RESPONSE	EXT IN INPUT		1W / 1kHz Ref.	Hz~kHz	20~50	20~55

SUBWOOFER SECTION

* SPKR LEVEL:ALL 0dB

* SPK SIZE:YES

* EXT IN INPUT * TONE OFF

* X-OVER:FULL RANGE

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	PRE OUTPUT LEVEL	SUB-CH(300mV)	30Hz	VOL. MAX	V	3.5±1.0	3.5±0.5

STEREO SECTION

* SPKR LEVEL:ALL 0dB

* SPK SIZE:YES

* TONE OFF(TONE DIRECT)

* X-OVER:FULL RANGE

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	CD	1kHz		mV	300±50	300±30
2	CHANNEL BALANCE	CD	1kHz	R/O TO -40dB	dB	±3	±2
3	RESIDUAL NOISE(INPUT SHORT)	CD	1kHz	VOL min.	mV	≤ 2.0	≤ 1.5
4	TOTAL HARMONIC DISTORTION	CD (300mV)	(40)Hz	R/O-3dB	%	≤ 0.12	≤ 0.08
			1kHz	"	%	≤ 0.12	≤ 0.08
			(20)KHz	"	%	≤ 0.2	≤ 0.12
5	CONTINUOUS AVERAGE POWER at 1 % THD	CD	(40)Hz	(6)ohms	W	85	90
			1kHz	"	W	95	100
			(20)KHz	"	W	85	90
6	S/N RATIO, IHF-A FILTER	CD (300mV)	1kHz	R/O	dB	≥ 85	≥ 90
7	CHANNEL SEPARATION	CD (300mV)	100Hz	R/O-3dB	dB	≥ 50	65
			1kHz	"	dB	≥ 55	≥ 65
			10kHz	"	dB	40	50
8	FUNCTION CROSSTALK (INPUT SHORT)	CD→TAPE IN	1 kHz	"	dB	≥ 60	≥ 65
			10 kHz	"	dB	≥ 40	≥ 45
9	FREQUENCY RESPONSE (-3dB)	CD (300mV)		1W	Hz~kHz	20~50	20~55
10	TONE CONTROL , ±(10)dB (TONE ON)	CD	100Hz	1W	dB	±10(±3)	±10(±2)
			10kHz	"	dB	±10(±3)	±10(±2)
11	HEADPHONE OUTPUT(STEREO) H/P = 64ohms	CD (300)mV	1kHz	R/O	V	3.0±1.0	3.0±0.5
12	CINEMA EQ(SPK ; LLLY)	CD (300mV)	10kHz	1W	dB	-4.5±1.5	-4.5±1

**DOLBY DIGITAL INPUT SECTION**

* INPUT : COAXIAL (CD DIGITAL)

* SURROUND MODE : DOLBY DIGITAL

* VOLUME POSISTION : 55dB

* CONFIG1:SPK YES BACK-NO/X-OVER:ALL 80Hz

* CONFIG2:SPK YES /SUBWOOFER,BACK-NO/X-OVER:FRONT FULL RANGE,OTHERS 80Hz

* AT SPEAKER OUT Disc:LD VER 1.0

No.	DESCRIPTION	INPUT	FREQ.	CHAP	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL Disc All CH 0dB SPK MODE:YES,BACK-NO X-OVER:ALL FULL RANGE	FRONT	1KHz	8 ,12	V	9.5±1	9.5±2
		CENTER	1KHz	10	V	9.5±1	9.5±2
		SURR	1KHz	14,16	V	9.5±1	9.5±2
		S/W	30Hz	18	V	1.0±0.5	1.0±0.8
2	T.H.D Disc 0dB LPF(20KHZ) SPK MODE:YES,BACK-NO X-OVER:ALL FULL RANGE	FRONT	1KHz	38	%	≤0.3	≤0.5
		CENTER	1KHz	38	%	≤0.3	≤0.5
		SURR	1KHz	38	%	≤0.3	≤0.5
		S/W	30Hz	18	%	≤0.25	≤0.3
3	S/N LPF(20KHz) JIS-A FILTER,Disc -20dB SPK MODE:YES,BACK-NO	FRONT	1KHz	6	dB	≥65	≥60
		CENTER	1KHz	6	dB	≥65	≥60
		SURR	1KHz	6	dB	≥65	≥60
		S/W	30Hz	18	dB	≥65	≥60
4	DYNAMIC RANGE	FRONT	1KHz	38	dB	-11±1	-11±2
		CENTER	1KHz	38	dB	-11±1	-11±2
		SURR	1KHz	38	dB	-11±1	-11±2
		S/W	30Hz	18	dB	0±1	0±2
5	DIALOG NORMALIZATION	FRONT		43	dB	-10±0.5	-10±1
		CENTER		43	dB	-10±0.5	-10±1
		SURR		43	dB	-10±0.5	-10±1
		S/W		43	dB	-10±0.5	-10±1
6	CONFIG 1 Ref : 1KHz 0dB	FRONT	1KHz	38(ref) 20	dB	-17±1	-17±3
		CENTER	1KHz	38(ref) 20	dB	-17±1	-17±3
		SURR	1KHz	38(ref) 20	dB	-17±1	-17±3
	Ref : 30Hz 0dB	S/W	30Hz	18(ref) 22	dB	6.0±1	6.0±2
7	CONFIG 2	FRONT	1KHz	38(ref) 18	dB	5.5±1	5.5±2
8	DOWNMIXING TEST SPK:YES X-OVER:FULL RANGE	CENTER	1KHz	10(ref) C->NO	dB	-3±0.5	-3±1
		SURR.L	1KHz	14 LS->NO	dB	-3±0.5	-3±1
		SURR.R	1KHz	16 RS->NO	dB	-3±0.5	-3±1
		FRONT	1KHz	6(ref) ST:ON	dB	7.5±1	7.5±2



DOLBY-EX INPUT SECTION

* INPUT : COAXIAL, CD DIGITAL

* SURROUND MODE : DOLBY-EX

* VOLUME POSISTION : 55dB

* AT SPEAKER OUT SPK MODE YES,BACK-YES DOLBY-EX TEST Disc(TRACK 7)

No.	DESCRIPTION	INPUT	FREQ.	CHAP	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL Disc : DOLBY-EX -23dB YES,BACK - L	BC	1 KHz	7	mV	700±70	700±100
2	T.H.D Disc : DOLBY-EX -23dB LPF(20KHz) SPK:YES,BACK - 2CH	BC	1KHz	7	%	≤0.3	≤0.5
3	S/N Disc 0dB,JIS "A" LPF(20KHz)	BC	1 KHz	STOP	dB	≥ 65	≥ 60



DTS INPUT SECTION

* INPUT : COAXIAL, CD DIGITAL

* SURROUND MODE : DTS

* VOLUME POSISTION : 55dB

* AT SPEAKER OUT SPK MODE YES BACK-N DTS TEST Disc(TRACK 9,10,11,12,13,14,15)

No.	DESCRIPTION	INPUT	FREQ.	CHAP	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL Disc : DTS 0dB SPK MODE:YES,BACK-NO X-OVER:ALL FULL RANGE	FRONT	1 KHz	10,11	V	10±1	10±2
		CENTER	1 KHz	14	V	10±1	10±2
		SURR	1 KHz	12,13	V	10±1	10±2
		S/W	30 Hz	15	V	1.0±0.6	1.0±0.8
2	THD LPF(20KHZ) Disc : DTS 0dB SPK MODE:YES,BACK-NO X-OVER:ALL FULL RANGE	FRONT	1 KHz	10,11	%	≤0.3	≤0.5
		CENTER	1 KHz	14	%	≤0.3	≤0.5
		SURR	1 KHz	12,13	%	≤0.3	≤0.5
		S/W	30 Hz	15	%	≤0.3	≤0.5
3	S/N Disc 0dB,JIS "A" LPF(20KHz) YES,BACK-N	FRONT	1 KHz	10,11	dB	≥ 65	≥ 60
		CENTER	1 KHz	14	dB	≥ 65	≥ 60
		SURR	1 KHz	12,13	dB	≥ 65	≥ 60
		S/W	30 Hz	15	dB	≥ 65	≥ 60
4	DTS+NEO6 OUTPUT LEVEL Disc:ALL CH(1KHz,-20dB) YES,BACK-Y (L 2CH)	FRONT	1 KHz	9	V	1.0±0.2	1.0±0.4
		CENTER	1 KHz	9	V	1.0±0.2	1.0±0.4
		SURR	1 KHz	9	mV	75±20	75±30
		S-BACK	1 KHz		V	1.0±0.2	1.0±0.4



VIDEO SECTION

* Load : Video output 75 ohm

* MEASUREMENT POSITION : AT MONITOR OUT

* DISC : TDV - 540 TEST DISC (ABEX) * TEST INSTRUMENT : SCOPE,VN30A1

(1) INPUT : C-VIDEO → OUTPUT : C-VIDEO

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%	C-VIDEO	Vp-p	1±0.4	1±0.2
2	S/N RATIO	WHITE 50% TITLE2 CHAP.4		dB	40	45
	Brightness S/N (VN30A1)					
	HPF 100KHz					
	LPF 4.2MHz	MAGENTA TITLE2 CHAP.17	AM	dB	40	45
	SC Trap ON					
	Color S/N (VN30A1)		PM	dB	40	45
	*ALC:OFF					
	*RANGE:AUTO					
	*BOTH					

(2) INPUT : S-VIDEO → OUTPUT : C-VIDEO

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%		Vp-p	1±0.4	1±0.2
2	S/N RATIO	WHITE 50% TITLE2 CHAP.4		dB	≥ 40	≥ 45
	Brightness S/N (VN30A1)					
	HPF 100KHz					
	LPF 4.2MHz	MAGENTA TITLE2 CHAP.17	AM	dB	≥ 40	≥ 45
	SC Trap ON					
	Color S/N (VN30A1)		PM	dB	≥ 40	≥ 45
	*ALC:OFF					
	*RANGE:AUTO					
	*BOTH					

(3) INPUT : C-VIDEO → OUTPUT : S-VIDEO

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%		Vp-p	1±0.4	1±0.2
2	BURST LEVEL	Color Bar Play (Title 2,Chap 1)	C-VIDEO	mVp-p	282±80	282±50

(4) INPUT : S-VIDEO → OUTPUT : S-VIDEO

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%		Vp-p	1±0.4	1±0.2
2	BURST LEVEL	Color Bar Play (Title 2,Chap 1)	C-VIDEO	mVp-p	282±100	282±80

(5) INPUT : C-VIDEO → OUTPUT : COMPONENT(A ONLY)

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%	Y	Vp-p	1±0.4	1±0.2
		Color Bar Play (Title 2,Chap 1)	R-Y	Vp-p	0.5±0.2	0.5±0.1
			B-Y	Vp-p	0.5±0.2	0.5±0.1

(6) INPUT : S-VIDEO → OUTPUT : COMPONENT(A ONLY)

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%	Y	Vp-p	1±0.4	1±0.2
		Color Bar Play (Title 2,Chap 1)	R-Y	Vp-p	0.5±0.2	0.5±0.1
			B-Y	Vp-p	0.5±0.2	0.5±0.1

(7) INPUT:COMPONENT → OUTPUT : COMPONENT

No.	DESCRIPTION	INPUT	REMARK	UNIT	LIMIT	NOMINAL
1	OUTPUT LEVEL	WHITE 100%	Y	Vp-p	1±0.4	1±0.2
		Color Bar Play (Title 2,Chap 1)	R-Y	Vp-p	0.5±0.2	0.5±0.1
			B-Y	Vp-p	0.5±0.2	0.5±0.1

TUNER SECTION

Measuring methods in conformity with IEC standard 315

Measurements condition FM : Radio frequency = 98.1MHz, Audio frequency = 1kHz

Reference level = 1mV on (75ohms , 300ohms)

Deviation : MONO = $\pm 75\text{kHz}$, Stereo = $\pm 67.5\text{kHz} \pm 7.5\text{kHz}$ (A) Filter = B.P.F at STEREO MONO

MONO = $\pm 40\text{kHz}$, Stereo = $\pm 40\text{kHz} \pm 7.5\text{kHz}$ (RDS)

Test Point : TP 1 = 90.1MHz, TP 2 = 98.1MHz, TP 3 = 106.1MHz (100KHz STEP(A), 50KHz STEP(RDS))

Power supply : 120V/60Hz (A), 230V/50Hz (RDS)

FM SECTION

NO.	DESCRIPTION		UNIT	LIMIT L/R	NOMINAL L/R
1	TUNING RANGE	LOW ~ HIGH	MHz	87.5~108	
	STEP (A)	AUTO/Man.	kHz	100/100	
	(RDS)	AUTO/Man.	kHz	50/50	
2	USABLE SENSITIVITY	TP 1	dBu	≤12	≤15
	S/N = 30dB (A)	TP 2	dBu	≤12	≤15
	S/N = 26dB (RDS)	TP 3	dBu	≤12	≤15
3	AUTO STOP LEVEL		dBu	25±6	25±8
4	S/N RATIO	MONO	dBu	≥55	≥50
	IHF-A	STEREO	dBu	≥50	≥45
5	T. H. D	MONO 1kHz	%	≤0.7	≤1.2
		STEREO 1kHz	%	≤1.0	≤1.5
6	OVER LOAD DISTORTION(120dBu, 75kHz)	MONO	dB	≤2	≤3
7	STEREO SEPARTION	250Hz	dBu	≥30	≥25
	(MAIN 90%(A), 53.5%(RDS), PILOT 10%)	1kHz	dBu	≥30	≥25
	EXT 19kHz FILTER	6.3kHz	dBu	≥20	≥15
8	FREQUENCY RESPONSE(75us(A), 50us(RDS) -3dB)	TP 2	Hz	60~8K	70~7K
9	IF REJECTION (A)	TP 1	dB	≥65	≥60
	(RDS)			≥75	≥70
10	IMAGE REJECTION (A)	TP 3	dB	≥20	≥18
	(RDS)		dB	≥75	≥70
11	AM SUPPRESSION(AT AM 30% 1kHz)		dB	≥40	≥35
12	OUTPUT LEVEL MONO (A)	TP 2	mV rms	500±100	500±150
	(RDS)			280±100	280±150
13	RDS SENSITIVITY (RDS ONLY)	TP 2	dBf	≤30	≤35

AM SECTION

Measurements condition AM - MW : Radio frequency = 1000/999kHz, Audio frequency = 400Hz

Reference level = 74dBu/m), (50) ohms Modulation = 30%

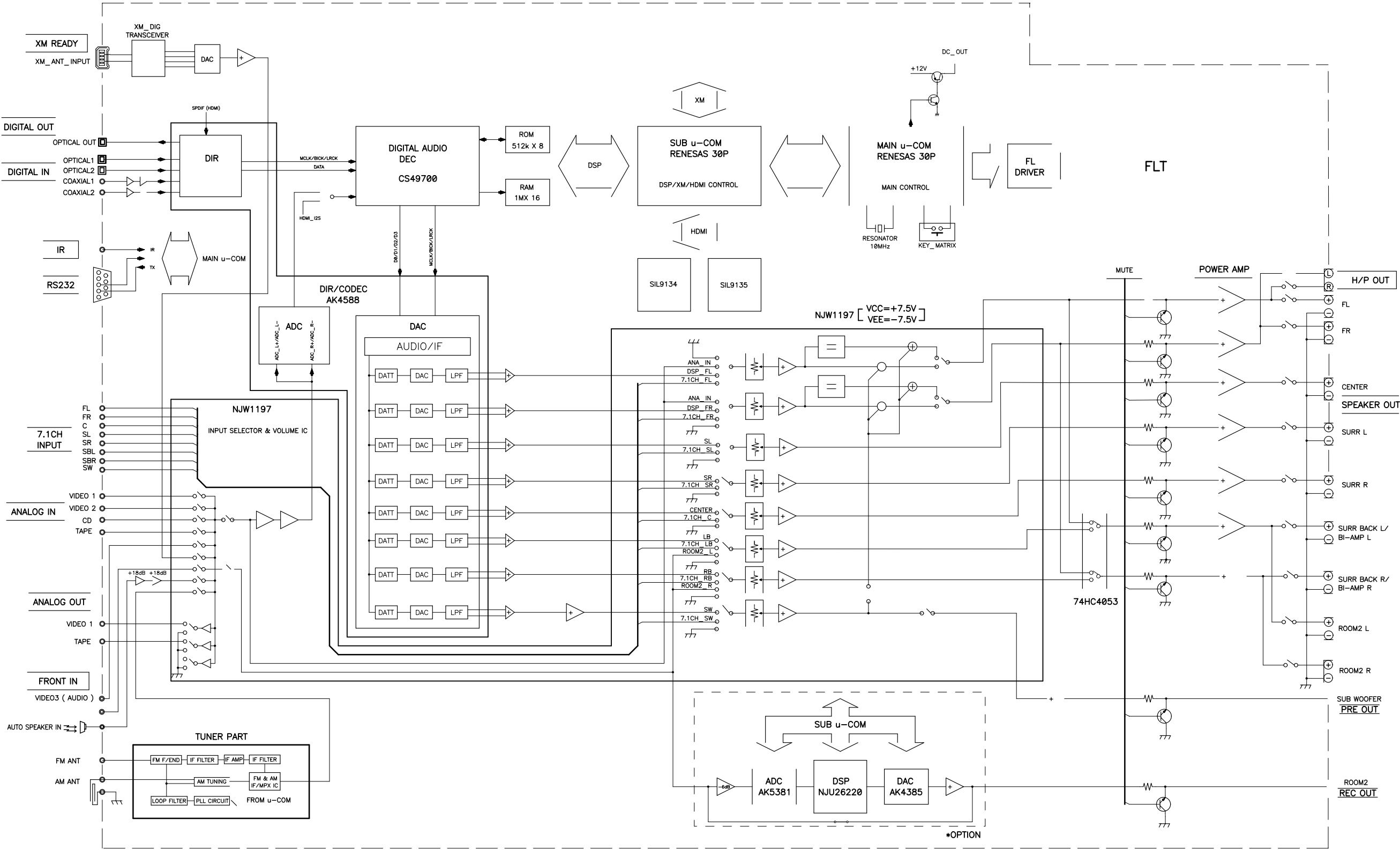
Test Point : MW TP1 = (600)kHz TP2 = (1000)kHz TP3 = (1400)kHz → (A)

MW TP1 = (594)kHz TP2 = (999)kHz TP3 = (1404)kHz → (RDS)

NO.	DESCRIPTION		UNIT	LIMIT L/R	NOMINAL L/R
1	TUNING COVER RANGE (A)	LOW ~ HIGH MW	kHz	520~1710	
	(RDS)	LOW ~ HIGH MW	kHz	522~1611	
	STEP (A)	AUTO/Man.	kHz	10/10	
	(RDS)	AUTO/Man.	kHz	9	
2	USABLE SENSITIVITY	TP 1	dBu/m	≤ 63	≤ 65
	S/N = 20dB	TP 2	uV/m	≤ 63	≤ 63
		TP 3	uV/m	≤ 63	≤ 63
3	S/N RATIO (100)dBu/m, 30% MOD	TP 2	dB	≥ 35	≥ 30
4	T. H. D 74dBu/m, 30% MOD	TP 2	%	≤ 2	≤ 3
5	OVER LOAD DISTORTION 100dBu/m, 80% MOD	TP 2	%	≤ 3	≤ 5
6	FREQUENCY RESPONSE	AT-6dB	Hz	80~2K	100~1.8K
	(at 74dBu/m, 400Hz)-NO FILTER				
7	SELECTIVITY AT SN : 20dB, ±10kHz(A)	TP 2	dB	≥ 23	≥ 20
	±9kHz(RDS)				
8	AGC FIGURE OF MERIT (at 100dBu/m)	TP 2	dB	≥ 50	≥ 40
9	IMAGE REJECTION	TP 3	dB	≥ 28	≥ 25
10	WHISTLE MODULATION (74dBu/m, 900Hz)	2IF	%	≤ 10	≤ 15
11	TUNED LEVEL 1000kHz(A), 999kHz(RDS)		dBu/m	55±10	55±15
12	AUTO STOP LEVEL 1000kHz(A), 999kHz(RDS)		dBu/m	55±10	55±15
13	OUTPUT LEVEL 74dBu/m, (30)% MOD		mV rms	200±100	200±150

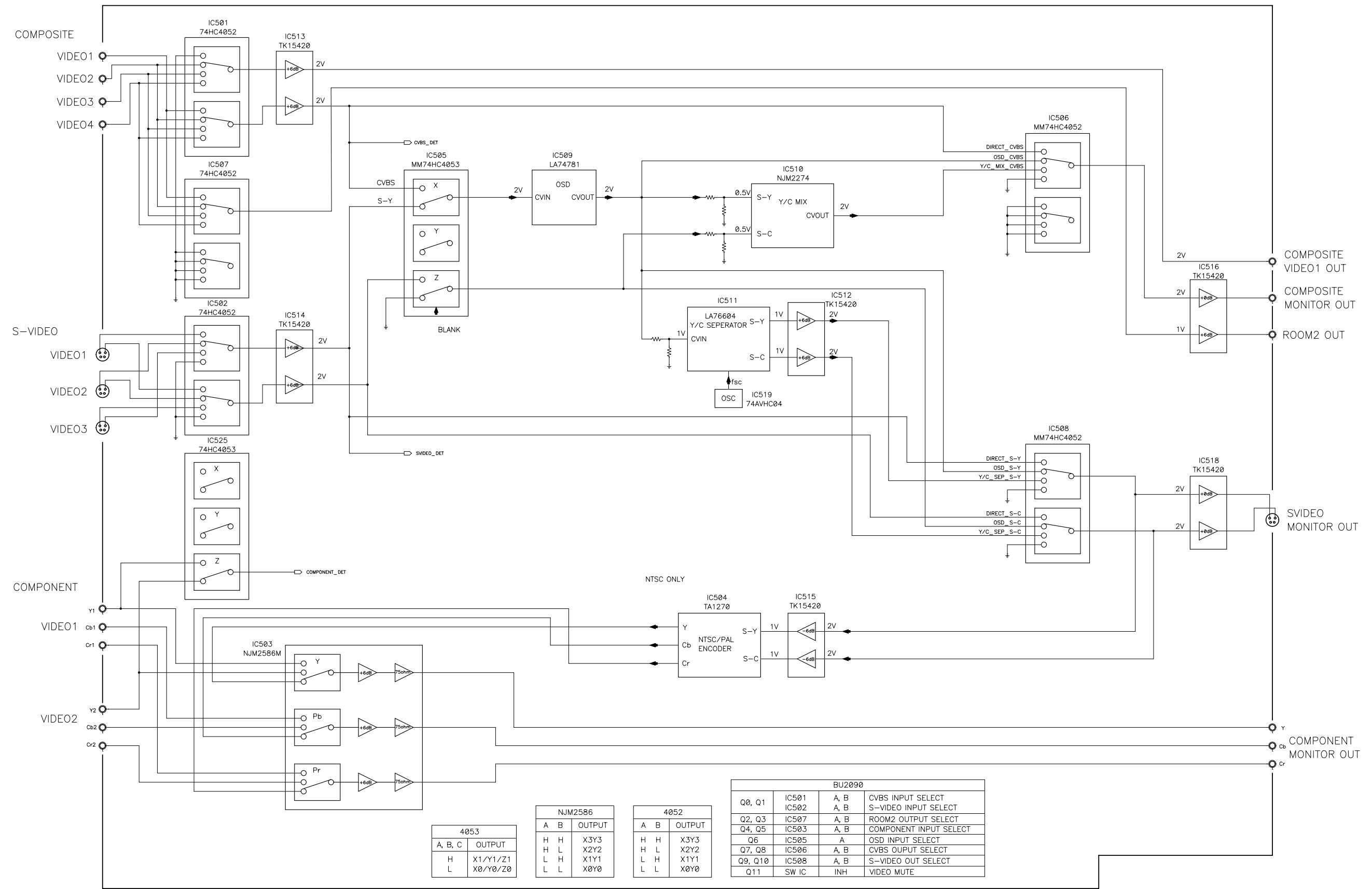
BLOCK DIAGRAMS - AUDIO (I)

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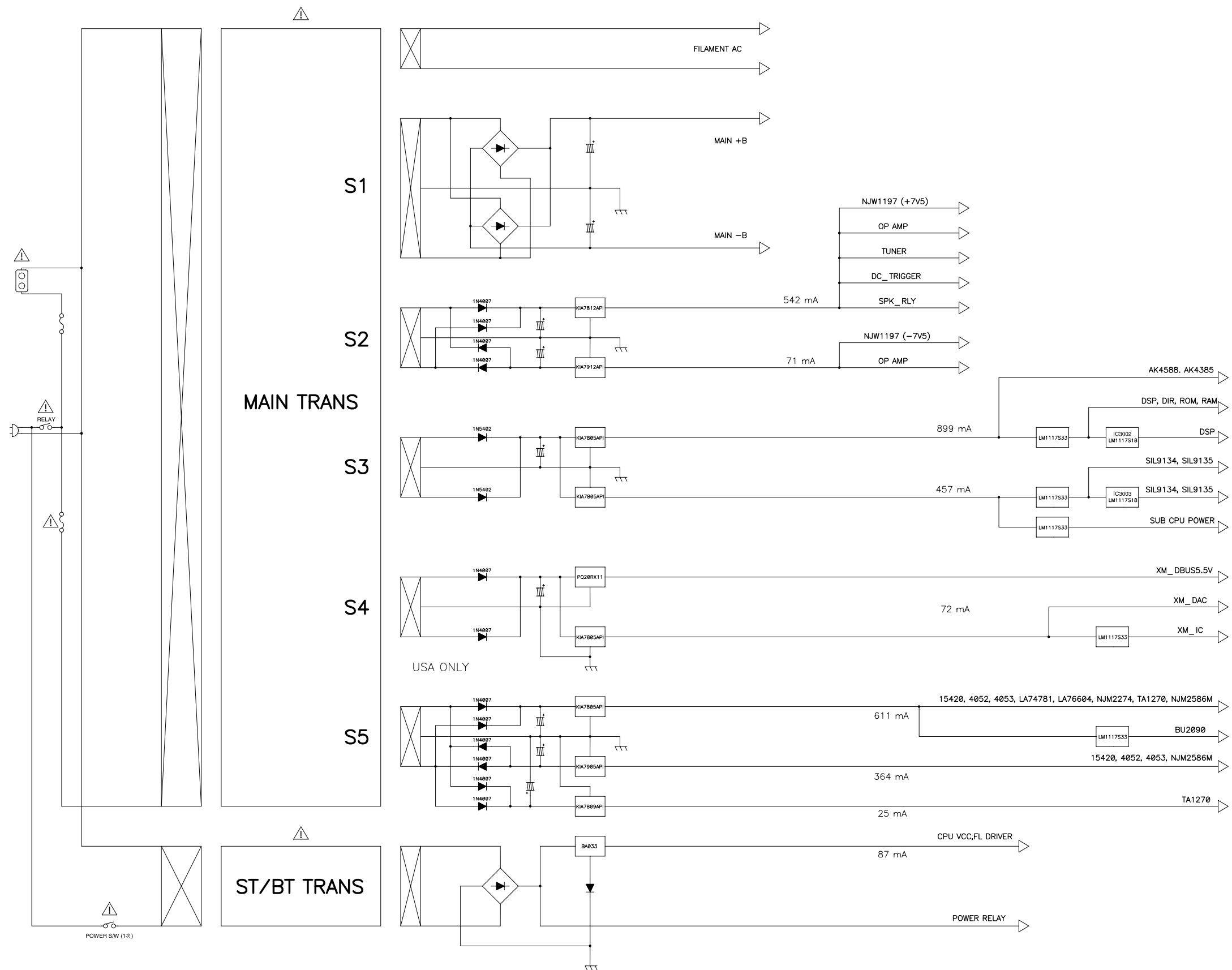
BLOCK DIAGRAMS - VIDEO (II)

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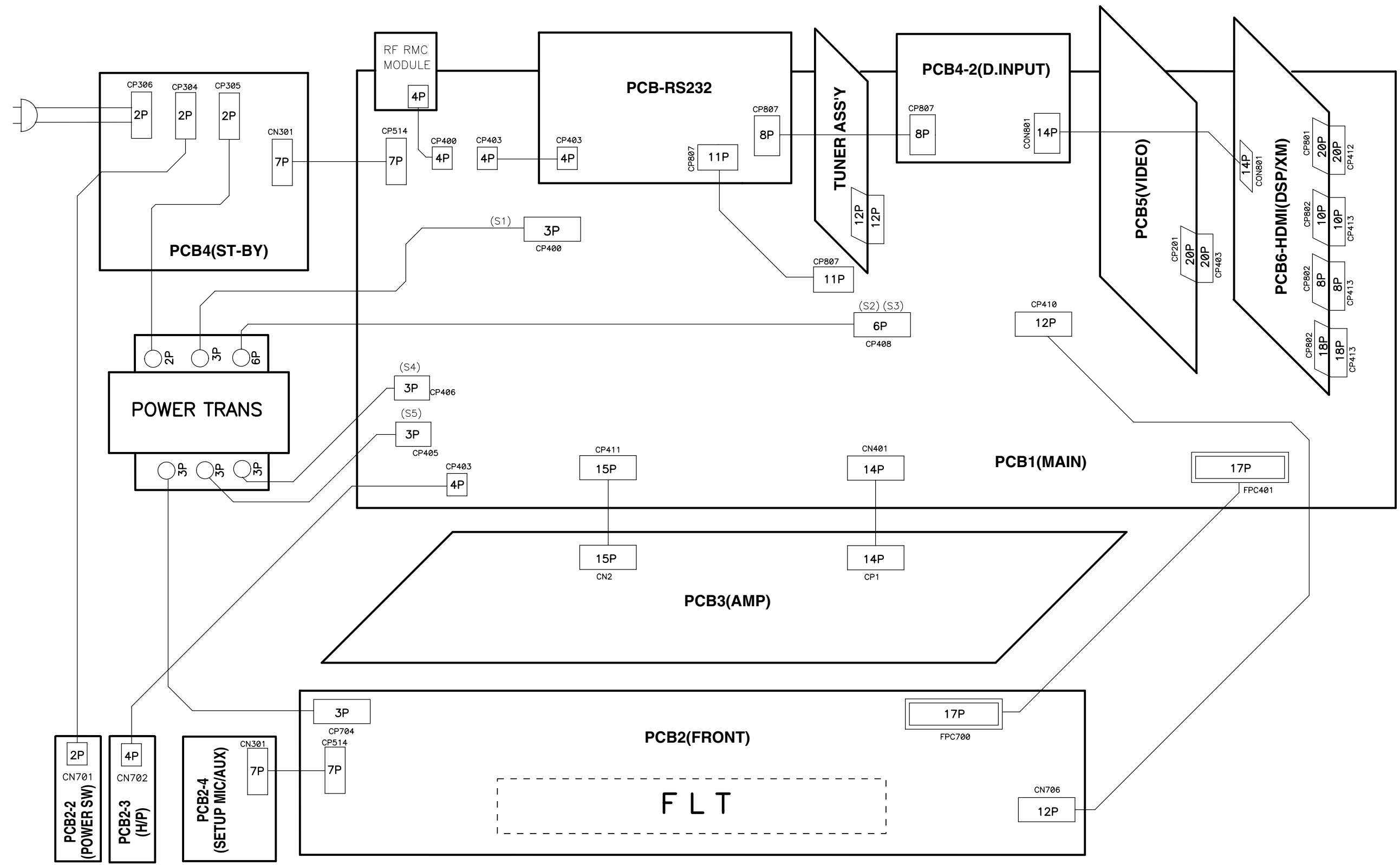
BLOCK DIAGRAMS - POWER (III)

Model No.:R-772



WIRING DIAGRAM

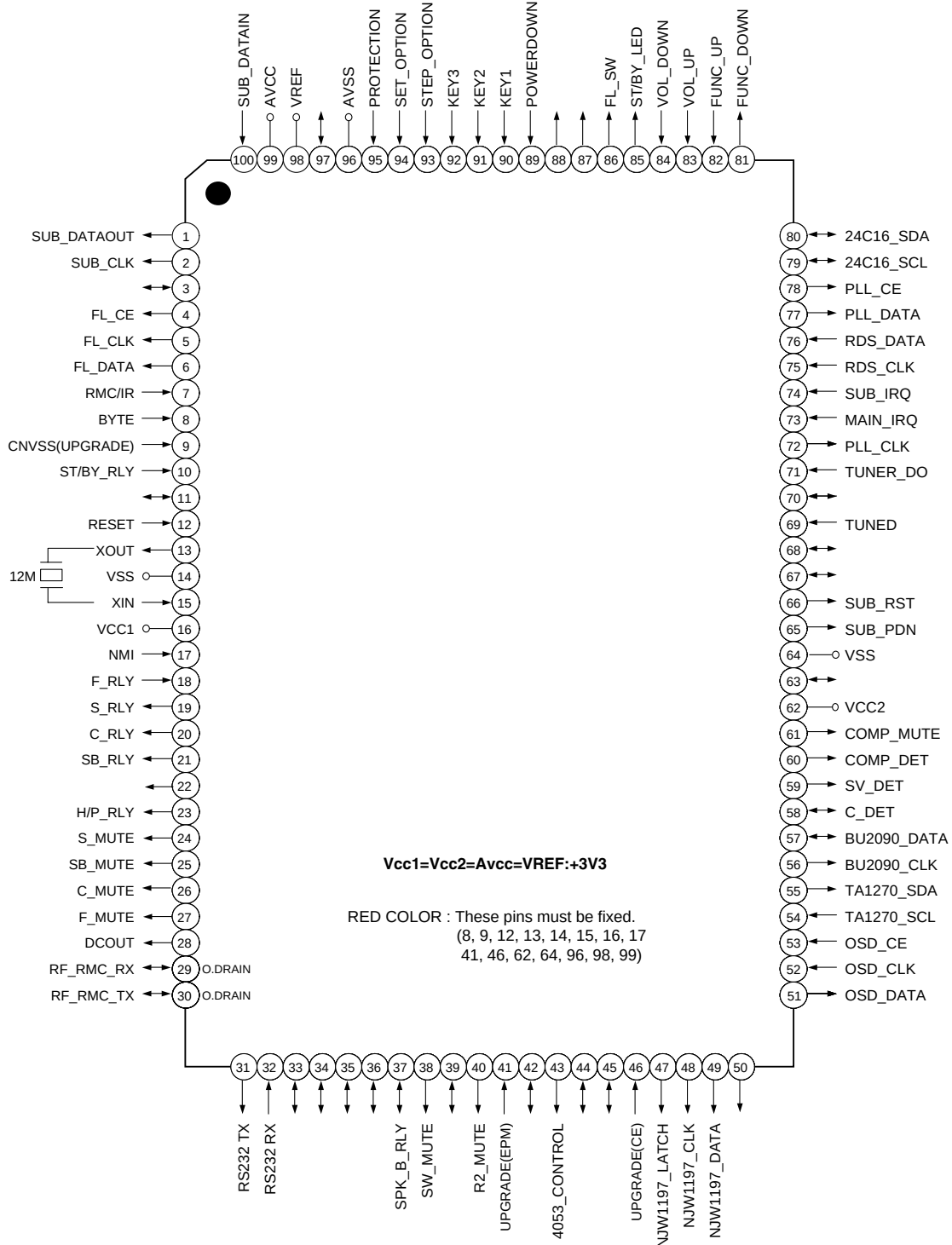
Model No.:R-772



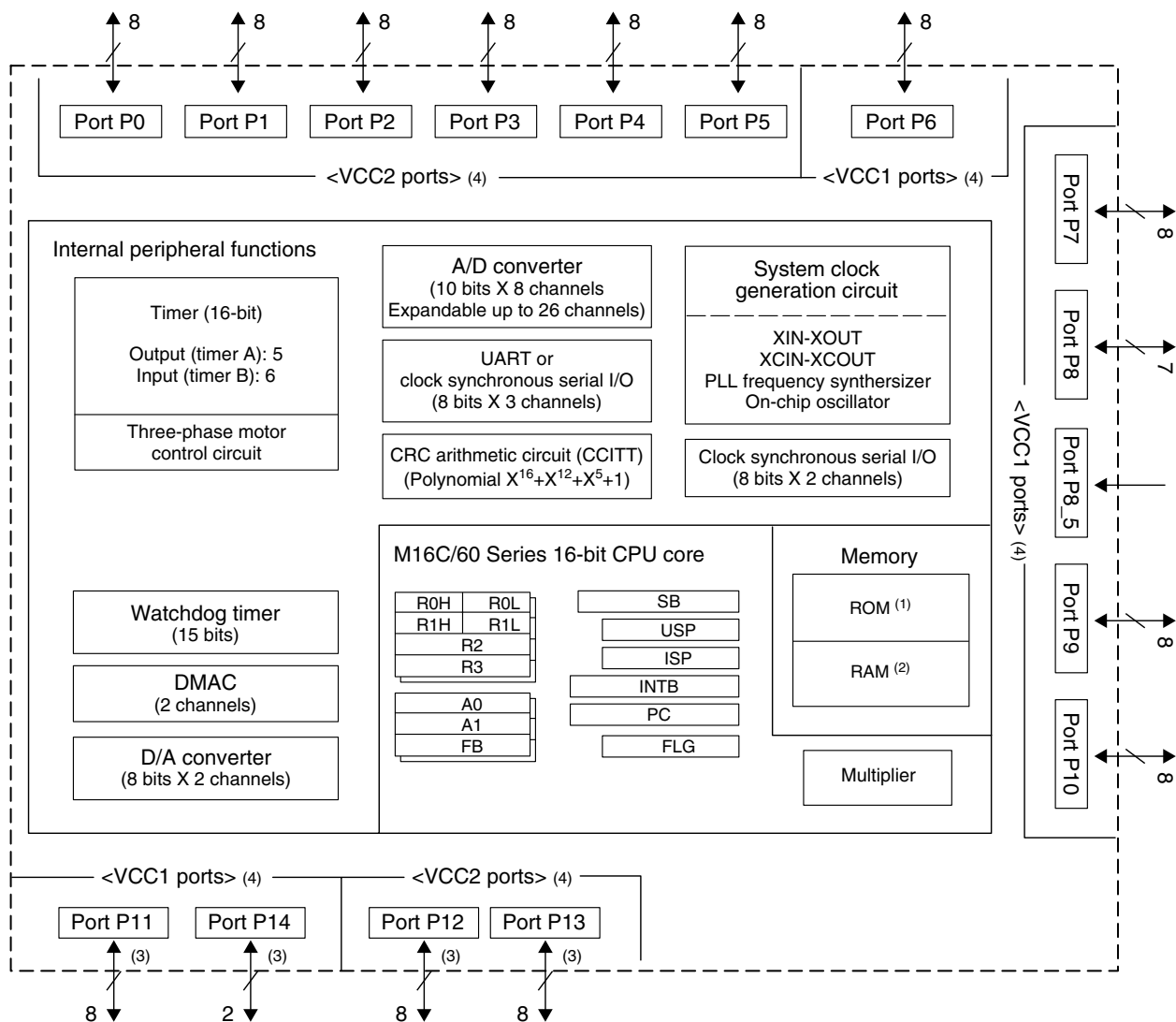
CIRCUIT DESCRIPTION

M3062LFGPFP : IC402

1. Pin Description



2. Block Diagram



NOTES :

1. ROM size depends on microcomputer type.
2. RAM size depends on microcomputer type.
3. Ports P11 to P14 exist only in 128-pin version.
4. Use M16C/62PT on VCC1=VCC2.

3. Pin Function

Pin No.	Symbol	Description
1	SUB_DATAOUT	Serial data signal Output to submicom
2	SUB_CLK	Output Clock Signal for submicom.
3	NC	Not used!
4	FL_CE	Output for chip enable of SC16315
5	FL_CLK	Clock signal output for SC16315
6	FL_DATA	Data signal output for SC16315
7	RMC	Input for remocon data.
8	BYTE	The data bus is 16 bits long when the this pin is held "L"
9	CNVSS	Switches the data bus in external memory space.
10	STBY_RLY	Output to "STBY Relay ON/OFF" (At "H", it is active)
11	NC	Not used!
12	RESET	Input for resetting the CPU(At "L", it is active)
13	XOUT	Output for 12MHz crystal oscillator
14	VSS	Ground
15	XIN	Input for 12MHz crystal oscillator
16	VCC1	+3.3V power supply
17	NMI	Input pin for the "NMI" interrupt.
18	CENTER_RLY	Output to "Center Relay ON/OFF" (At "H", it is active)
19	SUR_RLY	Output to "Surround Relay ON/OFF" (At "H", it is active)
20	FRONT_RLY	Output to "Front Relay ON/OFF" (At "H", it is active)
21	SB_RLY	Output to "Surroundback Relay ON/OFF" (At "H", it is active)
22	NC	Not used!
23	HP_RLY	Output to "Headphone Relay ON/OFF" (At "H", it is active)
24	S_MUTE	Output for surround channel mute(At "L", it is active)
25	SB_MUTE	Output for surround back channel mute(At "L", it is active)
26	C_MUTE	Output for center channel mute(At "L", it is active)
27	F_MUTE	Output for front channel mute(At "L", it is active)
28	DC_OUT	Control for "+12V(DC) ON/OFF" (At "H", it is active)
29	RF_RMC_RX	Serial data signal Input from RF REMOCON
30	RF_RMC_TX	Serial data signal Output to RF REMOCON
31	RS232_TX	Serial data signal Output from "ST3232E"
32	RS232_RX	Serial data signal Input from "ST3232E"
33	NC	Not used!
34	NC	Not used!
35	NC	Not used!
36	NC	Not used!
37	SPK_B_RLY	Output to "Speaker B Relay ON/OFF" (At "H", it is active)
38	SW_MUTE	Output for subwoofer channel mute(At "L", it is active)
39	NC	Not used!
40	R2_MUTE	Output for R2 mute(At "L", it is active)
41	UPGRADE(EPM)	UPGRADE
42	NC	Not used!
43	4053_CONT	Output for control signal of 4053.
44	NC	Not used!
45	NC	Not used!
46	UPGRADE(CE)	UPGRADE
47	NJW1197_LATCH	Latch signal output for NJW1197.
48	NJW1197_CLK	Clock signal output for NJW1197.
49	NJW1197_DATA	Data signal output for NJW1197.

Pin No.	Symbol	Description
50	NJW1197_MUTE	MUTE signal output for NJW1197.
51	OSD_DATA	Data signal output for LC74781
52	OSD_CLK	Clock signal output for LC74781
53	OSD_CE	Output for chip enable of LC74781
54	TA1270_SCL	Serial data clock signal output for "TA1270BF"
55	TA1270_SDA	Serial data signal output for "TA1270BF"
56	BU2090_CLK	Clock signal output for BU2090
57	BU2090_DATA	Data signal output for BU2090
58	C_DET	Input for detecting "Composite-Video input" condition(At "L", it is active)
59	SV_DET	Input for detecting "S-Video input" condition(At "L", it is active)
60	COMP_DET	Input for detecting "Component Video input" condition(At "L", it is active)
61	COMP_MUTE	Output for COMP-VIDEO output mute(At "H", it is active)
62	VCC2	+3.3V power supply
63	NC	Not used!
64	VSS	Ground
65	SUBMICOM_PDN	Output PDN DATA for submicom.
66	SUBMICOM_RST	Output RST DATA for submicom.
67	NC	Not used!
68	NC	Not used!
69	TUNED	Input for detecting "TUNED" condition(At "L", it is active)
70	NC	Not used!
71	TUNER_DO	Data Input from PLL IC
72	PLL_CLK	Clock signal output to PLL IC
73	MAIN_IRQ	
74	SUB_IRQ	
75	RDS_CLK	Clock signal input from RDS IC.
76	RDS_DATA	Input for RDS data from RDS IC.
77	PLL_DATA	Data output to PLL IC
78	PLL_CE	Output for chip enable of PLL IC
79	M24C16_SCLK	Clock signal output for M24C16.
80	M24C16_SDA	Input/output for M24C16.
81	FUNC_DOWN	Input for main function down.
82	FUNC_UP	Input for main function up.
83	VOL. UP	Input for main volume up.
84	VOL. DOWN	Input for main volume down.
85	ST/BY_LED	Output to drive STAND-BY LED(At "H", it is active)
86	FL_SW	Output to "FL_B+ ON/OFF" (At "H", it is active)
87	NC	Not used!
88	NC	Not used!
89	POWER DOWN	Input for power down.
90	KEY1	Data input for key1 scan.
91	KEY2	Data input for key2 scan.
92	KEY3	Data input for key3 scan.
93	STEP_OPTION	Input for selecting the frequency ranges steps of FM and AM
94	SET_OPTION	Input for selecting the model option.
95	PROTECTION	Input for detecting "PROTECTION" condition
96	AVSS	Ground
97	NC	Not used!
98	VREF	Reference voltage(Connected to +3.3V, Not VDD)
99	AVCC	+3.3V power supply.
100	SUB_DATAIN	Serial data signal Input from submicom

4. Key Table

IN OUT	KEY IN 1(pin90)	KEY IN 2(pin91)	KEY IN 3(pin92)
0V~0.14V	PRESET UP SW717	CONTROL UP SW718	TUNER SW719
0.15V~0.47V	PRESET DOWN SW714	CONTROL DOWN SW715	EXT_IN SW716
0.48V~0.85V	TUNE UP SW711	CH_LEVEL SW712	AUDIO SW713
0.86V~1.2V	TUNE DOWN SW708	OSD SETUP SW709	VIDEO SW710
1.21V~1.6V	MEMO/ENTER SW705	SPK_ON/OFF SW706	STEREO SW707
1.61V~2.02V	ROOM2 SW703		SURROUND SW704
2.03V~2.4V	AUDIO SW701		ST/BY SW702

ALIGNMENT PROCEDURES

TUNER

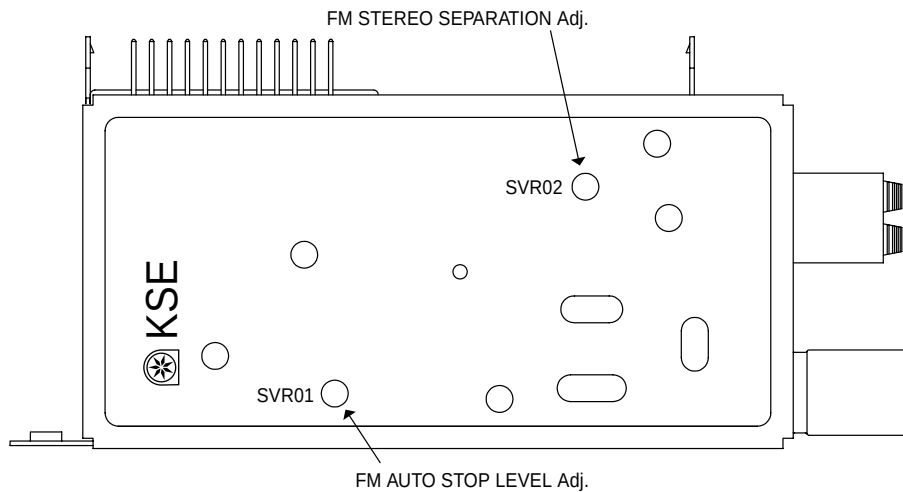
1. Equipment Required

- AM Standard Signal Generator (AM SSG)
- Oscilloscope
- AC Voltmeter
- FM Standard Signal Generator (FM SSG)
- Stereo Modulator
- Audio Generator
- Distortion Meter
- DC Voltmeter
- Frequency Counter

Note : Disconnect external FM antenna prior to alignment.

2. Non RDS Version Alignment

2-1. Alignment and Test Point



2-2. AM Alignment

- Output of signal generator should not be greater than necessary to obtain an optimum output reading.
- Signal generator modulation : 30%
- Signal frequency : 400Hz
- Modulation frequency : 600, 1000, 1400kHz
- Switch : press the BAND Button to AM

Step	Subject	Signal generator setting	Set frequency setting	Equipment connection	Adjustment point	Adjust for
1	Tuning voltage	520kHz	520kHz	DC voltmeter	RF BLOCK OSC coil	520kHz : 1.1~1.3V 1710kHz: 7.2V~8.5V (DC 1.2± 0.1V)
2	RF Tracking	600kHz	600kHz	AC voltmeter oscilloscope tape monitor L/R	RF BLOCK ANT coil	Maximize audio output Repeat LOW, HIGH frequency
3	IF Tracking	600kHz	600kHz	AC voltmeter oscilloscope tape monitor L/R	IF BLOCK Coil KSNT-104I	Maximize audio output
4	Seek level	600kHz	600kHz	AC voltmeter oscilloscope tape monitor L/R	SVR 03	Tuned on point

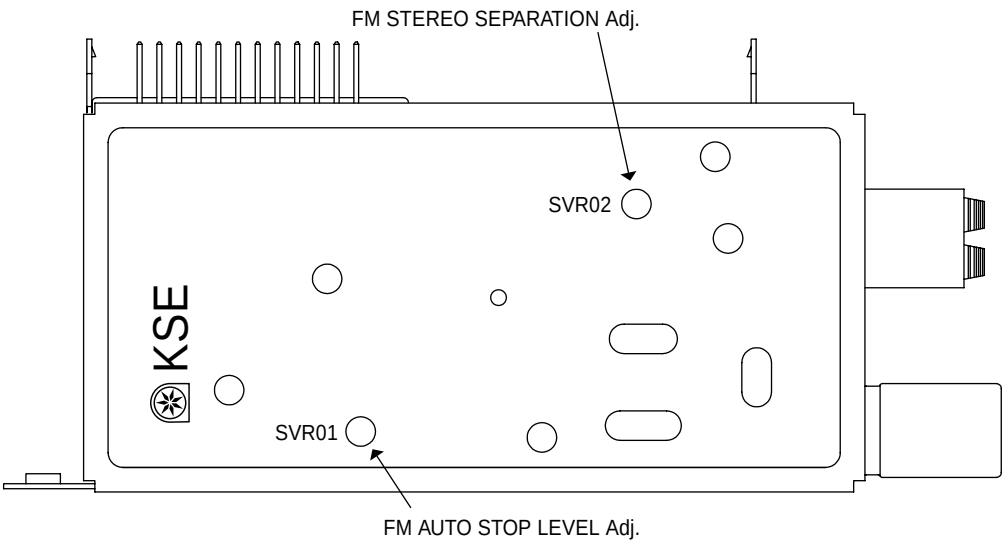
2-3. FM Alignment

- Output of signal generator should not be greater than necessary to obtain an optimum output reading.
- Signal generator modulation : MAIN : 90%, PILOT : 10%
- Signal frequency : 1kHz / Deviation : 75kHz
- Modulation frequency : 90.1MHz, 98.1MHz, 106.1MHz
- Switch : press the BAND Button to FM

Step	Subject	Signal generator setting	Set frequency setting	Equipment connection	Adjustment point	Adjust for
1	Tuning voltage	87.5MHz 108MHz	87.5MHz 108MHz	DC voltmeter		87.5MHz : 1.35~1.65V 108MHz : 6.5V~8.5V (DC 1.2± 0.1V)
2	FM DET.0V and Distortion Adj	98.1MHz	98.1MHz	AC voltmeter oscilloscope DC voltmeter tape monitor L/R	FD1 , FD2 R17	Minimize 0V and distortion
3	Seek stop level	98.1MHz	98.1MHz	AC voltmeter oscilloscope tape monitor L/R	SVR 01	Scan stop point to 18dBu
4	STEREO Separation	98.1MHz	98.1MHz	AC voltmeter oscilloscope DC voltmeter tape monitor L/R	MIX coil CO4 SVR02	Minimize STEREO distortion and Maximize separation Separation L to R Separation R to L

3. RDS Version Alignment

3-1. Alignment and Test Point



3-2. AM Alignment

- Output of signal generator should not be greater than necessary to obtain an optimum output reading.
- Signal generator modulation : 30%
- Signal frequency : 400Hz
- Modulation frequency : 600, 1000, 1400kHz
- Switch : press the BAND Button to AM

Step	Subject	Signal generator setting	Set frequency setting	Equipment connection	Adjustment point	Adjust for
1	Tuning voltage	522kHz	522kHz	DC voltmeter	RF BLOCK OSC coil	522kHz : 1.1~1.3V 1611kHz: 7.2V~8.5V (DC 1.2± 0.1V)
2	RF Tracking	603kHz	603kHz	AC voltmeter oscilloscope tape monitor L/R	RF BLOCK ANT coil	Maximize audio output Repeat LOW, HIGH frequency
3	IF Tracking	603kHz	603kHz	AC voltmeter oscilloscope tape monitor L/R	IF BLOCK Coil KSNT-104I	Maximize audio output
4	Seek level	603kHz	603kHz	AC voltmeter oscilloscope tape monitor L/R	SVR 03	Tuned on point

3-3. FM Alignment

- Output of signal generator should not be greater than necessary to obtain an optimum output reading.
- Signal generator modulation : MAIN : 53.3%, PILOT : 10%
- Signal frequency : 1kHz / Deviation : 40kHz
- Modulation frequency : 90.0MHz, 98.0MHz, 106.0MHz
- Switch : press the BAND Button to FM

Step	Subject	Signal generator setting	Set frequency setting	Equipment connection	Adjustment point	Adjust for
1	Tuning voltage	87.5MHz 108MHz	87.5MHz 108MHz	DC voltmeter		87.5MHz : 1.35~1.65V 108MHz : 6.5V~8.5V (DC 1.2± 0.1V)
2	FM DET.0V and Distortion Adj	98.0MHz	98.0MHz	AC voltmeter oscilloscope DC voltmeter tape monitor L/R	FD1 , FD2 R17	Minimize 0V and distortion
3	Seek stop level	98.0MHz	98.0MHz	AC voltmeter oscilloscope tape monitor L/R	SVR 01	Scan stop point to 18dBu
4	STEREO Separation	98.0MHz	98.0MHz	AC voltmeter oscilloscope DC voltmeter tape monitor L/R	MIX coil CO4 SVR02	Minimize STEREO distortion and Maximize separation Separation L to R Separation R to L

TROUBLESHOOTING

Symptom	Cause and Remedy	Ref No.
Power On Failure 1. FLT does not light up. 2. ST-BY LED does not light up.	A) AC-Cord check. B) Power Trans (Main/ST-BY) check. C) Fuse's disconnection check. D) Connector's disconnection or disjunction. Change or close insertion of the connector. E) Inferior ST-By switch. F) VFD Driver I.C & Resonator check. 1. VFD Driver I.C VCC(+3.3)V check. 2. VFD Driver clock pulse check.	F (300,301) CN300,CP507 SW(302) I.C701 SC16315 I.C701 Pin No13 I.C701 Pin No5
Fuse Disconnection. (Power On)	A) Inferior transformer. B) AMP drive transistor out. (POWER TR) C) AMP drive I.C out. (POWER IC) D) voltage check. 1. B+ (40)V, B- (40) V	Q206(FL, FR, C, SL, SR, SBL, SBR) Q205 (FL, FR, C, SL, SR, SBL, SBR)
Key Disorder.	A) Key's being pushed check. B) Key signal input components inferior. C) Key data check. D) μ -COM I.C or Resonator inferior. 1. μ -COM IC B+(3.3)V check. 2. μ -COM clock pulse check.	SW (302) I.C402Pin No. (90,91,92) I.C402 Pin No. (16,62,98,99) I.C402 Pin No. (13,15)
Power Off in 2~3 sec. after Power On.	A) Regulator I.C out. 1. Signal IN/OUT check. B) Drive transistor out. (POWER TR) C) Protection circuit check. 1. Output DC check. 2. μ -COM I.C protection terminal check. D) Connector's disconnection or disjunction E) SLEEP MODE cancellation.	I.C 300 KIA1117S33 Q205 (FL, FR, C, SL, SR, SBL, SBR) Q206 (FL, FR, C, SL, SR, SBL, SBR) Q421,Q417,Q412 BASE u-COM Pin No. (89) CP (411)
Bump Sound (During input-select switch's change.)	A) FRONT Mute transistor's out and inferior. μ -Com front mute control PORT check. B) CENTER Mute transistor's out and inferior. μ -Com center mute control PORT check. C) SURROUND Mute transistor's out and inferior. μ -Com surround mute control PORT check. D) SURROUND BACK Mute transistor's out and inferior. μ -Com surround mute control PORT check.	Q (511) IC402 Pin No. (27) Q (509) IC402 Pin No. (26) Q (510) IC402 Pin No. (24) Q (507) IC402 Pin No. (25)
Sounds from Speaker when Headphone's connected.	A) HEADPHONE JACK connection inferior.	CP403

Symptom	Cause and Remedy	Ref No.
Bass / Treble Control Failure.	A) Bass volume check. 1. Resister/Capacitor correction figure check. 2. BASS VR's property inferior. B) TONE I.C check. 1. Signal IN/OUT terminal check. 2. I.C voltage check. (+7.5)V, (-7.5)V 3. I.C CLK/DATA/STB	I.C401 I.C401 PIN No. (9,10,13,14/11,15) I.C No. (401) I.C PIN No. (16,18) I.C PIN No. (69,68,70)
AMP Sound Dead. 1. "LEFT" Channel dead. 2. "RIGHT" Channel dead. 3. "CENTER" Channel dead. 4. "REAR" Channel dead. 5. "REAR CENTER" Channel dead.	A) Signal Mute TR's inferior. B) Connector disconnection & disjunction. Change or close insertion of the connector. C) Speaker wire's disjunction. Close insertion of the speaker wire. D) Signal switching IC check. 1. I.C voltage check (+7.5)V, (-7.5)V 2. Switching I.C control data check. 3. Switching I.C signal IN/OUT check.	Q 507,508,509,510,511 CP (302) I.C No. (509) I.C Pin No. (19,20) I.C Pin No. (77,78,79)
AC-3/DTS/HDMI Failure. (DSP Sound Mode)	A) I.C Regulator check. DIGITAL IN + (5)V, ANALOG IN + (5)V IN + (3.3)V, OUT + (1.2)V IN + (5)V, OUT + (3.3)V B) DIR check. 1. OSC check. 2. RMCK, RBCK, RLRCK, RDATA Check. 3. Micom Interface Port Check. C) DSP Check. 1. INTREQ Check. 2. LRCK Check. 3. Micom Interface Port Check. 4. SDATA 1, 2, 3,4 Check. D) D/A Check. 1. LRCK/BCK/SDATA check. 2. Signal out check. E)HDMI Check. 1) Micom interface Port Check 2)Video sync Check	I.C No. (1003) I.C No. (1001) I.C1036 X-TAL (6,7) I.C Pin No. (10) (15) (16) (17) I.C Pin No. (20,21,22,23) I.C No. (1005) I.C Pin No. (100) I.C Pin No. (138,140) I.C Pin No. (93,95,96,99) I.C Pin No. (135,134,132,131) I.C No. (1036) I.C Pin No. (14,18,19) I.C Pin No. (49,47,45,43,41,39,37,35) IC No.(1018) IC Pin No.(100,102) IC NO(1009) IC Pin No.(24,25) IC No.(1018) IC Pin No.(20,21) IC No.(1009) IC Pin No.(2,3)

Symptom	Cause and Remedy	Ref No.
	3)I2C Control Check. 4)DDC Check. 5)Hot Plug detect Check.	IC No.(1018) IC Pin No.(26,27) IC No.(1009) IC Pin No.(48,49) IC No.(1018) IC Pin No.(28,29,33,34) JACK No.1001,1002,1003 Pin No.19
OSD Failure.	A) I.C voltage check. 1. OSD I.C : (5) V 2. SYNC Separate I.C (5) V B) OSD I.C OSC : (14.32)MHz C) Micom control data check. 1. DATA/CLOCK/CE	I.C No. (106) I.C Pin No (12,16,24) I.C No. (108) / Pin No. (3) X-TAL (101) I.C No. (106) I.C Pin No. (9,10,11)
Video Output Dead.	A) Video voltage check. 1. DC voltage check. B+ (5)V, B- (-5)V B) Video selector control IC check. 1. DC voltage check. B+(12) 2. Micom control data check. C) Video input detect port check. 1. Micom CV, SV, COMPONENT-V detect port.	I.C No. (101,102,103) I.C Pin No. (7) I.C Pin No. (16, 17, 18, 19) I.C NO. (501) / I.C Pin No. (26,25,24)
Video down output Dead.	A) Video voltage check. 1. DC voltage check. B+ (5)V, B- (-5)V B) S-Video input signal check. 1. Yin, Cin signal check.	I.C NO. (109) / I.C Pin No. (42) I.C Pin No. (6,29)
Video up output Dead.	A) Micom Interface Port Check. 1. SCL, SDA port check. B) C-Video Input video input signal check. S-Video Input video input signal check. C) Component video output check.	I.C NO. (504) / I.C Pin No. (33,34) I.C NO. (501) / I.C Pin No. (1,5,2,4) I.C NO. (502) / I.C Pin No. (1,12/5,14/2,15) I.C NO.(503) / I.C Pin No.(20,22,24)
Digi-Link Failure.	A) Digi-link line disconnection check. Digi-Link IN/OUT circuit check. B) Micom Interface Port Check. 1. μ -COM I.C B+(3.3)V check. 2 . Digi-link data I/O data check.	IC803 Pin no 1 I.C NO. (402) / I.C Pin No. (7)
Remote Controller Failure.	A) Battery check. B) RMC I.C & Resonator inferior. 1. μ -COM I.C B+(3.3)V check. 2. REMOCON data check.	I.C NO. (402) / I.C Pin No. (7)

Symptom	Cause and Remedy	Ref No.
FM Failure.	A) FM MUTE adjustment inferior. B) FRONT-END inferior. C) FM DET COIL inferior. D) PLL IC check. 1. PLL I.C B+(5)V check. 2. PLL control data check. (Data/CE/Clock) E) TUNER B+ voltage inferior. F) μ -COM I.C & Resonator inferior. 1. μ -COM I.C B+(5)V check. 2. Micom control data check.	I.C No. (501) I.C Pin No. (9,10,12,14,15)
AM Failure.	A) AM V.T voltage inferior. B) PLL I.C check. 1. PLL I.C B+(5)V check. 2. PLL control data check (Data/CE/Clock) C) TUNER B+ voltage inferior. D) AM OSC COIL inferior. E) μ -COM I.C & Resonator inferior. 1. μ -COM I.C B+(5)V check. 2. Micom control data check.	I.C No. (501) I.C Pin No. (9,10,12,14,15)
Stereo Effect Failure. Stereo does not light up.	A) FM DET COIL Inferior. B) MPX IC inferior. 1. MPX I.C B+(14)V check. 2. MPX control data check. C) STEREO adjustment inferior. D) FM MUTE adjustment inferior. E) μ -COM I.C & Resonator inferior. 1. μ -COM IC B+(5)V check 2. Micom control data check.	I.C No. (501) I.C Pin No. (23) I.C Pin No. (10)
Tuner Sound Dead. 1. "L / R" Channel dead. 2. "LEFT" Channel dead. 3. "RIGHT" Channel dead.	A) MUTE TR inferior. B) Connector's disconnection or disjunction. Change or Close insertion of the connector. C) AM/FM IF I.C check . 1. Signal IN/OUT terminal. 2. I.C driving voltage check. (+12V) D) FM DET COIL inferior. E) AM IFT COIL inferior. F) MPX I.C check. 1. Signal IN/OUT terminal. 2. I.C driving voltage check. (+14V)	

MECHANICAL PARTS LIST

Model No.:R-772

♣ Parts without Parts No. are not supplied.

Parts without version mentioned are common ones.

⊙ A → USA(120V/60Hz), G → RDS(230V/50Hz)

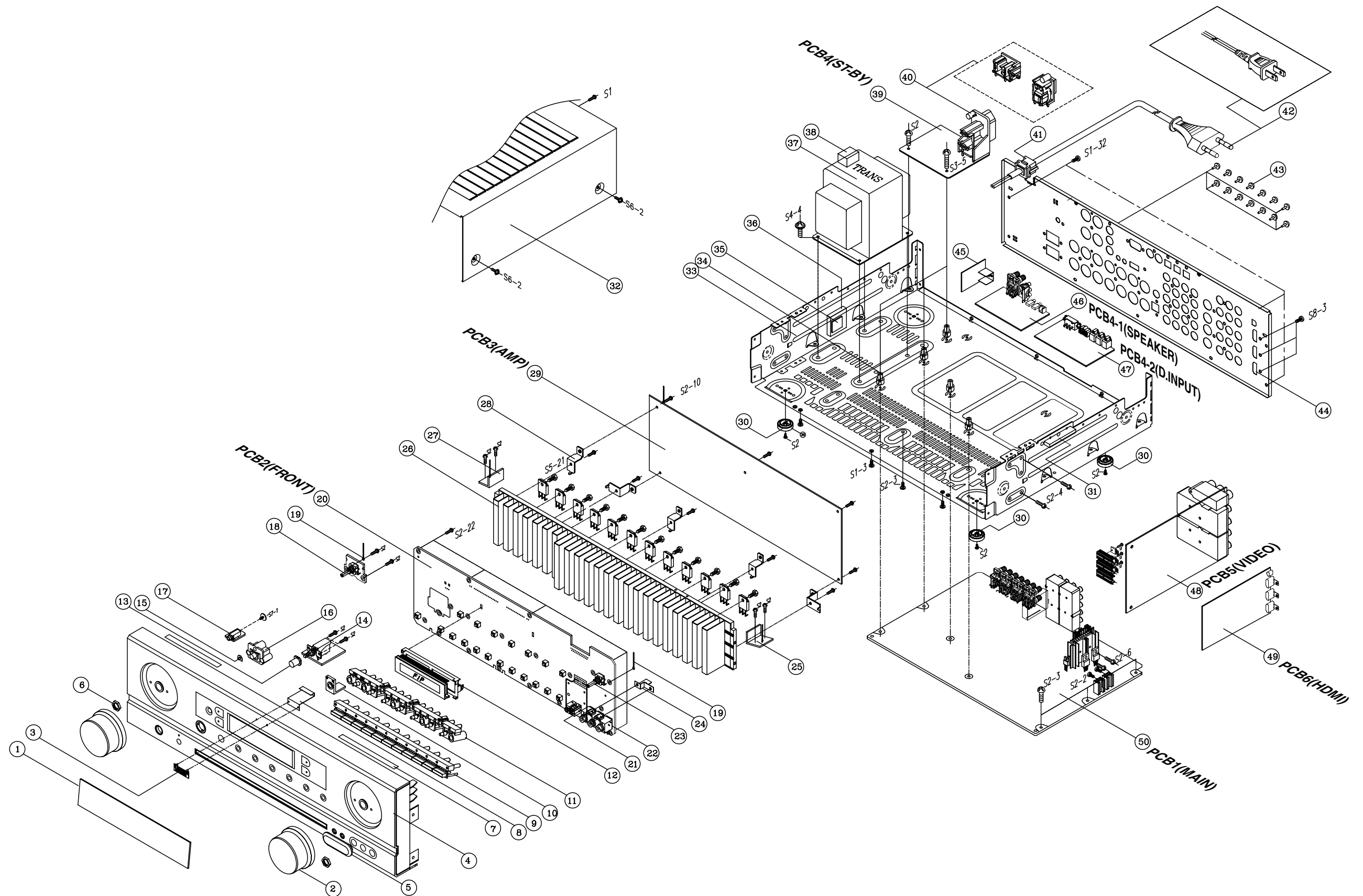
No.	DESCRIPTION	Q'TY	PARTS No.	VER.
PACKAGE				
	INSTRUCTION MANUAL	1	5707000000760S	G
	INSTRUCTION MANUAL	1	5707000000770S	A
	WARRANTY CARD	1	5727000000210S	A
	BOX, INNER CARTON	1	6017040121200S	
	CUSHION, SNOW	1	6230043714010S	
	PE, SHEET 750*1460/SET	1	6327040059000S	
	POLY BAG, 330*240*0.05	1	6337040062010S	
	REMOCON(ROOM2, 17KEY RC108)	1	8300244500010S	
	REMOCON, 60KEY	1	8300651500010S	A
	REMOCON, 60KEY	1	8300651500030S	G
	ANTENNA, ROD	1	E600240010010S	A
	ANTENNA, AM LOOP	1	E601016000010S	
	ANTENNA, FM WIRE	1	E605010070001S	
	BATTERY, AAA	4	G670001R50220S	
	MIC, AUTO SETUP 50HZ~13KHZ 35dB	1	M040000300020S	
CABINET & CHASSIS				
1	WINDOW, Display	1	50772121320A0S	G
	WINDOW, Display	1	50772121320B0S	A
2	KNOB ASS'Y, VOLUME	2	5088211528000SZ	
3	BADGE, AL Sherwood	1	5637210058040S	
4	PANEL, FRONT	1	3067212231010S	G
	PANEL, FRONT	1	3067212231020S	A
5	COVER, RCA	1	4310211201300S	
6	NUTS (EXCEPTION)			
7	FELT, STRIP	2	2690040057010S	
8	PLATE, SHIELD-B	1	4470210876000S	
9	BUTTON, 11KEY	1	5090212771000S	
10	LENS, STANDBY	1	3710210583000S	
11	BUTTON, 7KEY	1	5090212761000SZ	
12	HOLDER, FL	1	432004078301AS	
13	KNOB ASS'Y, POWER PUSH	1	5088210818000SZ	
14	S/W, POWER	1	G000122006060S	

No.	DESCRIPTION	Q'TY	PARTS No.	VER.
15	INDICATOR, GUIDE LED	1	5160041003010S	
16	BUTTON, SPEAKER	1	5090212751000S	
17	JACK, D6.5	1	G402040161330S	
18	MULTI JOG, ENCODER	1	G121123050010S	
19	CLAMP	2	4330000310000S	
20	PCB TOTAL ASS'Y, FRONT	1		
21	JACK, D3.5	1	G401035180050S	
22	TER. RCA 3PIN	1	G606040320000S	
23	VOL. ENCODER	1	G121123070010S	
24	PLATE, SHIELD-A	1	4470210866000S	
25	PCB TOTAL ASS'Y, GUIDE R	1		
26	HEAT SINK, POWER	1	2120210818200S	
27	PCB TOTAL ASS'Y, GUIDE L	1		
28	BRACKET, H SINK	5	4010056906010S	
29	PCB TOTAL ASS'Y, AMP	1		
30	FOOT, H/STAMPING ASS'Y	4	4007040201060S	
31	CUSHION, TRANS SIDE	1	4050211705000S	
32	CABINET, COVER TOP	1	3007041236061S	
33	CHASSIS, MAIN	1	3200200026020S	
34	SPACER, KNOB	5	4300040561010S	
35	CUSHION, A	1	4050211365000S	
36	CUSHION, B	1	4050211635000S	
37	POWER TRANS, 230V/50Hz MAIN	1	8200960610420S	G
	POWER TRANS, 120V/60Hz MAIN	1	8200960610430S	A
38	CUSHION, C	1	4050210685030S	
39	PCB TOTAL ASS'Y, POWER	1		
40	SOCKET, AC OUTLET	1	G435040070000S	A
	SOCKET, AC OUTLET	1	G435040110000S	G
41	STOPPER, CORD HOLDER DACH-1	1	4380040162010S	
42	CORD ASS'Y, 10A/125V	1	L068125100050S	A
	CORD ASS'Y, 2.5A/250V	1	L068250250100S	G
43	BUSHING, ERMINAL	18	2410040353010S	G
44	CHASSIS, BACK	1	3207212136000S	A
	CHASSIS, BACK	1	3207212136100S	G
45	RF ANTENA, PCB	1	E100060000010S	A
46	PCB TOTAL ASS'Y, SPEAKER	1		

No.	DESCRIPTION	Q'TY	PARTS No.	VER.
47	PCB TOTAL ASS'Y, INPUT	1		
48	PCB TOTAL ASS'Y, VIDEO	1		
49	PCB TOTAL ASS'Y, HDMI	1		
50	PCB TOTAL ASS'Y, MAIN	1		
SCREWS				
S1	SCREW, +2S 3*10 B-TYPE(DOT) BK/BH	37	B020030103B11S	A
	SCREW, +2S 3*10 B-TYPE(DOT) BK/BH	36	B020030103B11S	G
S2	SCREW, +2S 3*8 B-TYPE ZNW/BH	61	B020030081B10S	
S3	SCREW, 3X18 B-TYPE ZNW/BH	5	B020030181B10S	
S4	SCREW, +3S 4*10 P+S-WASHER ZNW/BH	4	B028940101B10S	
S5	SCREW, +2S 3*16+S-WASHER ZNW/HH	21	1507041146010S	
S6	SCREW, +2S 4*8 B-TYPE(DOT) BK/BH	4	1500040083B10S	
S7	SCREW, +2S 3*8 ZnY WASHER PI12	1	1500001456010S	
S8	SCREW, +3S 3*8 BK/BH	3	B020930083B10S	
MISCELLANEOUS				
Q206C	2SB1560-Y, PNP	1	J5011560Y0000S	
Q206FL	2SB1561-Y, PNP	1	J5011560Y0000S	
Q206FR	2SB1562-Y, PNP	1	J5011560Y0000S	
Q206SBL	2SB1563-Y, PNP	1	J5011560Y0000S	
Q206SBR	2SB1564-Y, PNP	1	J5011560Y0000S	
Q206SL	2SB1565-Y, PNP	1	J5011560Y0000S	
Q206SR	2SB1566-Y, PNP	1	J5011560Y0000S	
Q205C	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205FL	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205FR	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205SBL	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205SBR	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205SL	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205SR	2SD2390-Y, NPN	1	J5032390Y0000S	
Q204C	2SD947F, NPN	1	J503947F00000S	
Q204FL	2SD947F, NPN	1	J503947F00000S	
Q204FR	2SD947F, NPN	1	J503947F00000S	
Q204SBL	2SD947F, NPN	1	J503947F00000S	
Q204SBR	2SD947F, NPN	1	J503947F00000S	
Q204SL	2SD947F, NPN	1	J503947F00000S	
Q204SR	2SD947F, NPN	1	J503947F00000S	

EXPLODED VIEW

Model No.:R-772



ELECTRICAL PARTS LIST

Model No.:R-772

♣ Parts without Parts No. are not supplied.

Parts without version mentioned are common ones.

◎ A → USA(120V/60Hz), G → RDS(230V/50Hz)

REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
PCB1	ASSEMBLY P.C.BOARD MAIN					7025HK0701010	G
PCB1	ASSEMBLY P.C.BOARD MAIN					7025HK0701020	A
	COILS						
BD401/BD402	BEAD COIL, SMD1608 TYPE				2	D340160800060S	
BD403	BEAD COIL, SMD1608 TYPE				1	D340160800060S	A
L401	FILTER COIL, BFS2550A0F				1	D320255000520S	
	CAPACITORS						
C326	ELECT GE 85C	10000 uF	16V	M	1	D040103083000S	
C327	ELECT GE 85C	18000 uF	16V	M	1	D040183083001S	A
C347-C353	CERAMIC HIK DISC	0.047 uF	50V	Z	7	D004473597050S	G
C354/C355	CERAMIC SEMI DISC	0.1 uF	50V	Z	2	D006104597050S	
C356/C357	CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	A
C400C	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C400FL	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C400FR	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C400SBL	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C400SBR	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C400SL	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C400SR	FILM POLYESTER	0.01 uF	100V	J	1	D02010306C060S	
C401/C402	ELECT GE 85C	1 uF	50V	M	2	D040010087150S	
C404	ELECT GE 85C	330 uF	63V	M	1	D040331088230S	
C405	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C406	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C407-C413	FILM POLYESTER	0.1 uF	100V	J	7	D02010406C060S	
C414	CERAMIC CHIP HIK	0.01 uF	50V	Z	1	D011103597160S	
C418/C419	ELECT GE 85C	1 uF	50V	M	2	D040010087150S	
C421	ELECT GE 85C	330 uF	10V	M	1	D040331082070S	
C423	CERAMIC CHIP HIK	0.01 uF	50V	Z	1	D011103597160S	
C424	ELECT GE 85C	2.2 uF	50V	M	1	D0402R2087160S	
C425	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C427	CERAMIC CHIP HIK	0.01 uF	50V	Z	1	D011103597160S	
C428	ELECT GE 85C	330 uF	10V	M	1	D040331082070S	
C429	ELECT GE 85C	4700 uF	25V	M	1	D040472084020S	
C430	ELECT GE 85C	2200 uF	25V	M	1	D040222084030S	
C431/C432	ELECT GE 85C	470 uF	10V	M	2	D040471082060S	
C433-C435	FILM POLYESTER	0.1 uF	100V	J	3	D02010406C060S	
C436	ELECT GE 85C	100 uF	10V	M	1	D040101082090S	
C437-C439	FILM POLYESTER	0.1 uF	100V	J	3	D02010406C060S	
C440/C441	ELECT GE 85C	6800 uF	63V	M	2	D040682088010S	
C442-C445	FILM POLYESTER	0.1 uF	100V	J	4	D02010406C060S	A
C446	ELECT GE 85C	220 uF	10V	M	1	D040221082080S	A
C448	FILM POLYESTER	0.1 uF	250V	K	1	D02010407H080S	
C449SW	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C450	FILM POLYESTER	0.1 uF	250V	K	1	D02010407H080S	
C450SW	CERAMIC CHIP T.C	33 pF	50V	J	1	D010330167160S	
C451SW	CERAMIC CHIP HIK	680 pF	50V	K	1	D011681777160S	
C452-C454	FILM POLYESTER	0.1 uF	250V	K	3	D02010407H080S	
C455-C457	CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	
C458/C459	ELECT GE 85C	47 uF	16V	M	2	D040470083080S	
C460	ELECT GE 85C	220 uF	10V	M	1	D040221082080S	A
C461	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A
C462/C463	CERAMIC CHIP HIK	0.01 uF	50V	Z	2	D011103597160S	
C464-C466	CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	
C467/C468	CERAMIC CHIP HIK	0.01 uF	50V	Z	2	D011103597160S	
C467L/R	CERAMIC CHIP T.C	220 pF	50V	J	2	D010221167160S	
C468L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	
C469-C472	CERAMIC CHIP HIK	0.1 uF	50V	Z	4	D011104597160S	
C504C	CERAMIC SEMI DISC	0.1 uF	50V	Z	1	D006104597050S	
C504L	CERAMIC SEMI DISC	0.1 uF	50V	Z	1	D006104597050S	
C504LB	CERAMIC SEMI DISC	0.1 uF	50V	Z	1	D006104597050S	
C504SL	CERAMIC SEMI DISC	0.1 uF	50V	Z	1	D006104597050S	
C504SW	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C505L/R	CERAMIC CHIP T.C	100 pF	50V	J	2	D010101167160S	
C510L/R	CERAMIC CHIP T.C	220 pF	50V	J	2	D010221167160S	
C511L/R	CERAMIC CHIP T.C	220 pF	50V	J	2	D010221167160S	
C514L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	
C516L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	
C517L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	
C518L/R	ELECT GE 85C	4.7 uF	50V	M	2	D0404R7087250S	
C519	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C519L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	

REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
C520	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C520L/R	ELECT GE 85C	4.7 uF	50V	M	2	D0404R7087250S	
C523	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C523L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	
C524	ELECT GE 85C	1 uF	50V	M	1	D040010087150S	
C525	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C528	ELECT GE 85C	1 uF	50V	M	1	D040010087150S	
C531/C532	ELECT GE 85C	47 uF	16V	M	2	D040470083080S	
C539L/R	CERAMIC CHIP T.C	220 pF	50V	J	2	D010221167160S	
C540L/R	CERAMIC CHIP T.C	100 pF	50V	J	2	D010101167160S	
C542	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C542SW	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C543	ELECT GE 85C	220 uF	10V	M	1	D040221082080S	
C543L/R	CERAMIC CHIP T.C	220 pF	50V	J	2	D010221167160S	
C544-C546	ELECT GE 85C	100 uF	10V	M	3	D040101082090S	
C544SW	CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102777160S	
C546C	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546FL	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546FR	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546SBL	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546SBR	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546SL	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546SR	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C546SW	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C547C	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547FL	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547FR	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547SBL	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547SBR	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547SL	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547SR	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C547SW	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C548SW	CERAMIC CHIP T.C	47 pF	50V	J	1	D010470167160S	
C549SW	CERAMIC CHIP HIK	0.047 uF	50V	Z	1	D011473597160S	
C550	CERAMIC CHIP HIK	0.022 uF	50V	Z	1	D011223597160S	
C551SW	CERAMIC CHIP HIK	0.047 uF	50V	Z	1	D011473597160S	
C552C	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552FL	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552FR	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552LB	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552RB	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552SL	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552SR	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C552SW	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C553	CERAMIC CHIP HIK	0.047 uF	50V	Z	1	D011473597160S	
C555	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C560	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C562-C565	CERAMIC CHIP T.C	100 pF	50V	J	4	D010101167160S	
C569	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C571	CERAMIC CHIP HIK	0.047 uF	50V	Z	1	D011473597160S	
C574	CERAMIC CHIP HIK	0.01 uF	50V	Z	1	D011103597160S	
C579	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C580	CERAMIC CHIP HIK	3300 pF	50V	K	1	D011332777160S	
C581	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C582	CERAMIC CHIP HIK	3300 pF	50V	K	1	D011332777160S	
C585-C587	CERAMIC CHIP T.C	220 pF	50V	J	3	D010221167160S	
C598	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
	CONNECTORS						
CN401	CN,WIRE 120MM (14P)				1	L000121140060S	
CN402	CN,WIRE 180MM (5P)				1	L000181050070S	A
CP400	CN.WAFER 7.92MM				1	L108353280360S	
CP401	CN.WAFER 2.5MM (3P)				1	L102526700300S	G
CP401	CN.WAFER 2.5MM (6P)				1	L102526700600S	A
CP402	CN.WAFER 2.0MM (8P)				1	L101220080000S	
CP403	CN.WAFER 2.0MM (4P)				1	L101220040000S	
CP404	CN.WAFER 2.0MM (14P)				1	L101100041410S	
CP406	CN.WAFER 2.5MM (4P)				1	L102526700400S	
CP407	CN.WAFER 2.0MM (6P)				1	L101100040610S	
CP408	CN.WAFER 2.5MM (6P)				1	L102526700600S	
CP409	CN.WAFER 1.5MM				1	L100912040010S	A
CP410	CN.WAFER 2.0MM (12P)				1	L101220120000S	
CP411	CN.WAFER 2.5MM (15P)				1	L102526701510S	
CP412/CP413	CN.WAFER 1.5MM (19P)				2	L100912190010S	
CP414	CN.WAFER 1.5MM (10P)				1	L100912100010S	
CP415	CN.WAFER 2.0MM (8P)				1	L101100040810S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
CP416	CN.FPC 1.25MM (7P)	1	L131007100010S	
FPC401	CN.FPC 1.25MM (17P)	1	L131111700010S	
FPC402	CN.FPC 1.25MM (19P)	1	L131111900010S	
	DIODES			
D403	KDS4148U, SWITCHING CHIP	1	K005041480030S	
D405	1N4007, SWITCHING	1	K000400700010S	
D406/D407	KDS4148U, SWITCHING CHIP	2	K005041480030S	
D410-D414	1SS133T, SWITCHING	5	K000013300520S	
D419	1SS133T, SWITCHING	1	K000013300520S	
D420-D422	KDS4148U, SWITCHING CHIP	3	K005041480030S	
D427	KDS4148U, SWITCHING CHIP	1	K005041480030S	
D428-D431	1N4007, SWITCHING	4	K000400700010S	
D434/D435	RECTIFIER BRIDGE, 6A	2	K047604000020S	
D437	RECTIFIER BRIDGE, 6A	1	K047604000020S	
D440	1N4007, SWITCHING	1	K000400700010S	A
D441	1N4007, SWITCHING	1	K000400700010S	A
D448/D449	1N4007, SWITCHING	2	K000400700010S	A
D501-D512	KDS4148U, SWITCHING CHIP	12	K005041480030S	
D513	1SS133T, SWITCHING	1	K000013300520S	
D515-D518	KDS4148U, SWITCHING CHIP	4	K005041480030S	
D519/D520	1SS133T, SWITCHING	2	K000013300520S	
D523	1SS133T, SWITCHING	1	K000013300520S	
DZ400/DZ401	16V 0.2W ZENER CHIP	2	K06616R04P400S	
DZ425	3.3V 0.2W ZENER CHIP	1	K06603R34P400S	
DZ426	5.1V 0.2W ZENER CHIP	1	K06605R14P400S	
DZ510/DZ511	7.5V 0.2W ZENER CHIP	2	K06607R54P400S	
DZ512	MTZJ2.4B-0.5W, ZENER	1	K06002R444520S	
DZ515/DZ516	7.5V 0.2W ZENER CHIP	2	K06607R54P400S	
	INTEGRATED CIRCUITS			
IC401	NJW1197, ELECT VR	1	J084119700010S	
IC402	M3062LFGFPF, CPU MICRO PROCESS	1	J020306200020S	
IC403	24LC16B, MEMORY-EEPROM	1	J000241600050S	
IC404	ADU4053BCFV-E2, LOGIC	1	J040405300160S	
IC405	CF4558CB, LINEAR OP	1	J121455800150S	
IC406	KIA7912PI, LINEAR-REGULATOR	1	J126791200060S	
IC408	KIA7812API, LINEAR-REGULATOR	1	J126781200040S	
IC409	PQ20RX11J00H, LINEAR-REGULATOR	1	J126201100020S	A
IC410/IC411	KIA7805API, LINEAR-REGULATOR	2	J126780500110S	
IC413	KIA7805API, LINEAR-REGULATOR	1	J126780500110S	A
	JACKS			
JACK401	TER,RCA	1	G608270VB040MS	
JACK402	TER,RCA	1	G608270VB030MS	
JACK403	TER,BOARD SCREW 8P	1	G614801AWG00YS	
JACK404	TER,BOARD SCREW 6P	1	G613602AWG00YS	
	TRANSISTORS			
Q401	KSA916Y, PNP	1	J5000916Y0050S	
Q403	KTA1266Y, PNP	1	J5001266Y0050S	
Q404	KTC3198Y, NPN	1	J5023198Y0000S	
Q407-Q410	KRC105S(NE), NPN	4	J522010500210S	
Q411/Q412	KTC3198Y, NPN	2	J5023198Y0000S	
Q413	KRC105S(NE), NPN	1	J522010500210S	
Q414/Q415	KTC3198Y, NPN	2	J5023198Y0000S	
Q416	KTA1268BL, PNP	1	J5001268B0050S	
Q417	KTC3198Y, NPN	1	J5023198Y0000S	
Q418/Q419	KTA1268BL, PNP	2	J5001268B0050S	
Q420/Q421	KTC3198Y, NPN	2	J5023198Y0000S	
Q422-Q424	KTA1268BL, PNP	3	J5001268B0050S	
Q425/Q426	KTB778, PNP	2	J501778000010S	
Q427	KRC105S(NE), NPN	1	J522010500210S	
Q428	KRA105S(PE), NPN	1	J520010500210S	
Q507-Q511	KRA105S(PE), PNP	5	J520010500210S	
Q512-Q517	KTC2875B(MB), NPN	6	J5222875B0010S	
Q522	KRA105S(PE), PNP	1	J520010500210S	
Q523	KTC2875B(MB), NPN	1	J5222875B0010S	
Q543	KTC2875B(MB), NPN	1	J5222875B0010S	
Q544	KRC102S(NB), NPN	1	J522010200210S	
	RESISTORS			
R401	CHIP THICK 2 kohm 1/16W J	1	C20002026M160S	A
R402	CHIP THICK 3.9 kohm 1/16W J	1	C20003926M160S	A
R403	CHIP THICK 4.3 kohm 1/16W J	1	C20004326M160S	A
R404	METAL FILM 100PPM 4.7 ohm 1W J	1	C0604R7065050S	
R405	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R406-R412	CARBON FILM 22 kohm 1/5W J	7	C00002236P520S	
R413	METAL FILM 100PPM 22 ohm 1/4W J	1	C060022063050S	
R414	CHIP THICK 15 kohm 1/16W J	1	C20001536M160S	

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
R415-R421	METAL FILM 100PPM	10 ohm	1W	J	7		C060010065050S	
R422/R423	CHIP THICK	47 kohm	1/16W	J	2		C20004736M160S	
R424	METAL FILM 100PPM	47 kohm	1/4W	J	1		C060047363050S	
R425	CARBON FILM	27 kohm	1/5W	J	1		C00002736P520S	
R426	CARBON FILM	47 kohm	1/5W	J	1		C00004706P520S	
R428/R429	CHIP THICK	27 kohm	1/16W	J	2		C20002736M160S	
R430	CHIP THICK	43 kohm	1/16W	J	1		C20004336M160S	
R431	CHIP THICK	2.7 kohm	1/16W	J	1		C20002726M160S	G
R431	CHIP THICK	3 kohm	1/16W	J	1		C20003026M160S	A
R431SW	CARBON FILM	47 kohm	1/5W	J	1		C00004706P520S	
R432	CHIP THICK	3.6 kohm	1/16W	J	1		C20003626M160S	
R433SW	CHIP THICK	7.5 kohm	1/16W	J	1		C20007526M160S	
R434SW	CHIP THICK	1.2 kohm	1/16W	J	1		C20001226M160S	
R435	CHIP THICK	560 kohm	1/16W	J	1		C20005646M160S	
R436	METAL FILM 100PPM	2.2 kohm	1W	J	1		C060022265050S	
R436SW	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R437	CARBON FILM	47 kohm	1/5W	J	1		C00004706P520S	
R437SW	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R438	METAL FILM 100PPM	2.2 kohm	1W	J	1		C060022265050S	
R439/R440	CHIP THICK	2.7 kohm	1/16W	J	2		C20002726M160S	
R441	CARBON FILM	47 kohm	1/5W	J	1		C00004706P520S	
R442	METAL FILM 100PPM	2.2 kohm	1W	J	1		C060022265050S	
R443	CHIP THICK	2.7 kohm	1/16W	J	1		C20002726M160S	G
R443	CHIP THICK	3 kohm	1/16W	J	1		C20003026M160S	A
R444	CARBON FILM	47 kohm	1/5W	J	1		C00004706P520S	
R445	CARBON FILM	22 kohm	1/5W	J	1		C00002236P520S	
R446	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R447	CHIP THICK	560 kohm	1/16W	J	1		C20005646M160S	
R448	CHIP THICK	33 kohm	1/16W	J	1		C20003336M160S	
R449	CARBON FILM	100 ohm	1/5W	J	1		C00001016P520S	
R450	CARBON FILM	2.2 kohm	1/5W	J	1		C00002226P520S	
R451/R452	CEMENT RADIAL FORM	0.1 ohm	5W	J	2		C141R10069010S	
R453	CARBON FILM	51 kohm	1/5W	J	1		C00005136P520S	
R454-R456	METAL FILM 100PPM	0.22 ohm	1W	J	3		C060R22065050S	
R457/R458	CARBON FILM	51 kohm	1/5W	J	2		C00005136P520S	
R459	METAL FILM 100PPM	0.22 ohm	1W	J	1		C060R22065050S	
R460	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R461	METAL FILM 100PPM	0.22 ohm	1W	J	1		C060R22065050S	A
R462	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R465	METAL FILM 100PPM	0.22 ohm	1W	J	1		C060R22065050S	A
R466/R467	METAL FILM 100PPM	470 ohm	2W	J	2		C060047166520S	
R468	CHIP THICK	43 kohm	1/16W	J	1		C20004336M160S	
R469	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R470/R471	METAL FILM 100PPM	33 ohm	1W	J	2		C060033065050S	
R472	CARBON FILM	47 kohm	1/5W	J	1		C00004706P520S	
R473	CARBON FILM	10 kohm	1/5W	J	1		C00001036P520S	
R474	CHIP THICK	10 kohm	1/16W	J	1		C20001036M160S	
R475	CARBON FILM	10 kohm	1/5W	J	1		C00001036P520S	
R476-R478	CARBON FILM	47 kohm	1/5W	J	3		C00004706P520S	
R479/R480	CHIP THICK	100 kohm	1/16W	J	2		C20001046M160S	
R482	CARBON FILM	180 ohm	1/5W	J	1		C00001816P520S	
R483/R484	CARBON FILM	470 ohm	1/5W	J	2		C00004716P520S	
R485	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R486	CHIP THICK	1 kohm	1/16W	J	1		C20001026M160S	
R487	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R488L/R	CHIP THICK	220 kohm	1/16W	J	2		C20002246M160S	
R489L/R	CHIP THICK	470 ohm	1/16W	J	2		C20004716M160S	
R501	CHIP THICK	10 kohm	1/16W	J	1		C20001036M160S	
R502	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R503	CHIP THICK	10 kohm	1/16W	J	1		C20001036M160S	
R504	CHIP THICK	1 kohm	1/16W	J	1		C20001026M160S	
R504C	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R504F	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R504RB	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R504SR	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R504SW	CHIP THICK	47 kohm	1/16W	J	1		C20004736M160S	
R505L/R	CHIP THICK	1 kohm	1/16W	J	2		C20001026M160S	
R506/R507	CHIP THICK	10 kohm	1/16W	J	2		C20001036M160S	
R506L/R	CHIP THICK	100 kohm	1/16W	J	2		C20001046M160S	
R509L/R	CHIP THICK	470 ohm	1/16W	J	2		C20004716M160S	
R510L/R	CHIP THICK	220 kohm	1/16W	J	2		C20002246M160S	
R511/R512	CHIP THICK	47 ohm	1/16W	J	2		C20004706M160S	
R511L/R	CHIP THICK	470 ohm	1/16W	J	2		C20004716M160S	
R512L/R	CHIP THICK	220 kohm	1/16W	J	2		C20002246M160S	
R513/R514	CHIP THICK	4.7 kohm	1/16W	J	2		C20004726M160S	

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
R514L/R	CHIP THICK	470 ohm	1/16W	J	2		C20004716M160S	
R515L/R	CHIP THICK	220 kohm	1/16W	J	2		C20002246M160S	
R516L/R	CHIP THICK	470 ohm	1/16W	J	2		C20004716M160S	
R517L/R	CHIP THICK	220 kohm	1/16W	J	2		C20002246M160S	
R518/R519	METAL FILM 100PPM	100 ohm	1W	J	2		C060010165060S	
R518L/R	CHIP THICK	1 kohm	1/16W	J	2		C20001026M160S	
R519L/R	CHIP THICK	100 kohm	1/16W	J	2		C20001046M160S	
R520/R521	METAL FILM 100PPM	1.2 kohm	1W	J	2		C060012265050S	
R522	METAL FILM 100PPM	5.6 kohm	1W	J	1		C060056265050S	
R530C	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530FL	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530FR	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530LB	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530RB	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530SL	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530SR	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R530SW	CHIP THICK	1 kohm	1/16W	J	1		C20001026M160S	
R531SW	CHIP THICK	3.6 kohm	1/16W	J	1		C20003626M160S	
R532SW	CHIP THICK	47 kohm	1/16W	J	1		C20004736M160S	
R533SW	CHIP THICK	4.7 kohm	1/16W	J	1		C20004726M160S	
R534C	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R534R	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R534RB	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R534SR	CARBON FILM	1 kohm	1/5W	J	1		C00001026P520S	
R534SW	CHIP THICK	1 kohm	1/16W	J	1		C20001026M160S	
R535C	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R535L	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R535LB	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R535R	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R535RB	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R535SL	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R535SR	CHIP THICK	470 ohm	1/16W	J	1		C20004716M160S	
R536C	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R536L	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R536LB	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R536R	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R536RB	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R536SL	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R536SR	CHIP THICK	2.2 kohm	1/16W	J	1		C20002226M160S	
R537C	CARBON FILM	470 kohm	1/5W	J	1		C00004746P520S	
R537L	CARBON FILM	470 kohm	1/5W	J	1		C00004746P520S	
R537LB	CARBON FILM	470 kohm	1/5W	J	1		C00004746P520S	
R537SL	CARBON FILM	470 kohm	1/5W	J	1		C00004746P520S	
R537SW	CHIP THICK	470 kohm	1/16W	J	1		C20004746M160S	
R538C	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R538L/R	CHIP THICK	100 kohm	1/16W	J	2		C20001046M160S	
R538LB	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R538RB	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R538SL	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R538SR	CHIP THICK	100 kohm	1/16W	J	1		C20001046M160S	
R540SW	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546C	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546FL	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546FR	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546SBL	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546SBR	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546SL	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546SR	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R546SW	CHIP THICK	100 ohm	1/16W	J	1		C20001016M160S	
R547C	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547FL	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547FR	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547SBL	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547SBR	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547SL	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547SR	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R547SW	CHIP THICK	2.2 Mohm	1/16W	J	1		C20002256M160S	
R553	CHIP THICK	0 ohm	1/16W	J	1		C20000006M160S	
R566	CHIP THICK	10 kohm	1/16W	J	1		C20001036M160S	
R567	CHIP THICK	18 kohm	1/16W	J	1		C20001836M160S	G
R568	CHIP THICK	10 kohm	1/16W	J	1		C20001036M160S	
R569	CHIP THICK	220 kohm	1/16W	J	1		C20002246M160S	
R570	CHIP THICK	10 kohm	1/16W	J	1		C20001036M160S	
R572	CHIP THICK	4.7 kohm	1/16W	J	1		C20004726M160S	
R573	CHIP THICK	47 kohm	1/16W	J	1		C20004736M160S	

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
R580/R581	CARBON FILM	47 kohm	1/5W	J	2	C00004706P520S		
R582	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S		
R583	CARBON FILM	47 kohm	1/5W	J	1	C00004736P520S		
R584/R585	CHIP THICK	33 kohm	1/16W	J	2	C20003336M160S		
R586/R587	CARBON FILM	33 kohm	1/5W	J	2	C00003336P520S		
R588	CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S		
R589	CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S		
R590-R592	CHIP THICK	47 ohm	1/16W	J	3	C20004706M160S		
R593/R594	CHIP THICK	22 kohm	1/16W	J	2	C20002236M160S		
R595-R598	CHIP THICK	47 ohm	1/16W	J	4	C20004706M160S		
R599	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S		
	MISCELLANEOUS							
GND405	TERMINAL				1	3790040886000S		
GND407	TERMINAL				1	3790040886000S	A	
GND408	TERMINAL				1	3790040886000S		
HSINK401	HEAT SINK, REG TR				1	2120043538030S		
HSINK402	HEAT SINK, REG TR				1	2120210958010S		
HSINK403	HEAT SINK, AL6063 A4				1	2120000818050S	A	
HSINK404	HEAT SINK, AL6063 SUB				1	2120000818020S	A	
J101	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J102-J115	CN,WIRE 1P				14	L045084006040S		
J116/J117	CHIP THICK	0 ohm	1/16W	J	2	C20000006M160S		
J118/J119	CN,WIRE 1P				2	L045084006040S		
J120	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J121/J122	CN,WIRE 1P				2	L045084006040S		
J123	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J124	CN,WIRE 1P				1	L045084006040S		
J125	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J126	CN,WIRE 1P				1	L045084006040S		
J127	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J128-J131	CN,WIRE 1P				4	L045084006040S		
J132-J134	CHIP THICK	0 ohm	1/16W	J	3	C20000006M160S		
J135	CN,WIRE 1P				1	L045084006040S		
J136	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J137/J138	CN,WIRE 1P				2	L045084006040S		
J139/J140	CHIP THICK	0 ohm	1/8W	J	2	C200000061300S		
J141	CN,WIRE 1P				1	L045084006040S		
J142	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J143-J149	CN,WIRE 1P				7	L045084006040S		
J150	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J152	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J153-J157	CN,WIRE 1P				5	L045084006040S		
J160	CN,WIRE 1P				1	L045084006040S		
J161	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J162-J166	CN,WIRE 1P				5	L045084006040S		
J168/J169	CN,WIRE 1P				2	L045084006040S		
J171/J172	CN,WIRE 1P				2	L045084006040S		
J175-J226	CN,WIRE 1P				52	L045084006040S		
J228/J229	CN,WIRE 1P				2	L045084006040S		
J234-J236	CN,WIRE 1P				3	L045084006040S		
J241	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J249	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J262-J264	CN,WIRE 1P				3	L045084006040S		
J269-J302	CN,WIRE 1P				34	L045084006040S		
J305-J311	CN,WIRE 1P				7	L045084006040S		
J328-J330	CN,WIRE 1P				3	L045084006040S		
J333-J341	CN,WIRE 1P				9	L045084006040S		
J342	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
J343/J344	CN,WIRE 1P				2	L045084006040S		
J346	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J347-J350	CN,WIRE 1P				4	L045084006040S		
J352/J353	CN,WIRE 1P				2	L045084006040S		
J354	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J355	CN,WIRE 1P				1	L045084006040S		
J356-J359	CHIP THICK	0 ohm	1/8W	J	4	C200000061300S		
J360	CN,WIRE 1P				1	L045084006040S		
J361	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J362-J368	CN,WIRE 1P				7	L045084006040S		
J369	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J370-J374	CN,WIRE 1P				5	L045084006040S		
J376	CN,WIRE 1P				1	L045084006040S		
J379-J381	CN,WIRE 1P				3	L045084006040S		
J384-J388	CN,WIRE 1P				5	L045084006040S		
J389	CHIP THICK	0 ohm	1/8W	J	1	C200000061300S		
J391-J393	CHIP THICK	0 ohm	1/8W	J	3	C200000061300S		

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
J394-J396	CN,WIRE 1P	3	L045084006040S	A
J397-J404	CHIP THICK0 ohm1/8WJ	8	C200000061300S	
J405	CN,WIRE 1P	1	L045084006040S	
J407	CN,WIRE 1P	1	L045084006040S	
J408	CHIP THICK0 ohm1/16WJ	1	C20000006M160S	
J409	CHIP THICK0 ohm1/8WJ	1	C200000061300S	
J410/J411	CN,WIRE 1P	2	L045084006040S	
J414	CHIP THICK0 ohm1/8WJ	1	C200000061300S	
J415	CN,WIRE 1P	1	L045084006040S	G
PACK401	TUNER,FM/AM	1	E903001000010S	A
PACK401	TUNER,FM/AM RDS	1	E903104100010S	G
RLY401-RLY405	RELAY, G5PA-28-NW DC12V 5A	5	G680120502040S	
XTAL401	RESONATOR, ZTT12.00MT	1	E830120000060S	
PCB1-1	ASSEMBLY P.C.BOARD H/S GUIDE			
CLAMP303	CLAMP	1	4330000120000S	
PCB1-2	ASSEMBLY P.C.BOARD GUIDE L			
CLAMP301	CLAMP	1	4330000120000S	
J320-J327	CN,WIRE 1P	8	L045084006040S	
PCB2-2	ASSEMBLY P.C.BOARD GUIDE R			
CLAMP302	CLAMP	1	4330000120000S	
J312-J319	CN,WIRE 1P	8	L045084006040S	
PCB2	ASSEMBLY P.C.BOARD FRONT		7025HK0701011	G
PCB2	ASSEMBLY P.C.BOARD FRONT		7025HK0701021	A
C701/C702	CERAMIC CHIP HIK820 pF50V K	2	D011821777160S	
C703	ELECT GE 85C47 uF16V M	1	D040470083080S	
C704	CERAMIC CHIP HIK0.1 uF50V Z	1	D011104597160S	
C705/C706	CERAMIC CHIP HIK820 pF50V K	2	D011821777160S	
C707	FILM POLYESTER0.047 uF100V J	1	D02047306C060S	
C708/C709	ELECT GE 85C1 uF50V M	2	D040010087150S	
C710	FILM POLYESTER0.047 uF100V J	1	D02047306C060S	
C713L/R	CERAMIC CHIP T.C470 pF50V J	2	D010471167160S	
C714/C715	CERAMIC HIK AXIAL0.1 uF50V Z	2	D005104597530S	
C717	ELECT GE 85C47 uF16V M	1	D040470083080S	
C719	CERAMIC CHIP HIK0.1 uF50V Z	1	D011104597160S	
C721	ELECT GE 85C100 uF10V M	1	D040101082090S	
C722	CERAMIC CHIP HIK1000 pF50V K	1	D011102777160S	
C726-C728	CERAMIC CHIP HIK0.01 uF50V K	3	D011103777160S	
C731	ELECT GE 85C10 uF50V M	1	D040100087070S	
C734	ELECT GE 85C1 uF50V M	1	D040010087150S	
C735	CERAMIC CHIP HIK1000 pF50V K	1	D011102777160S	
C735L/R	ELECT GE 85C10 uF50V M	2	D040100087070S	
C743-C745	CERAMIC CHIP T.C100 pF50V J	3	D010101167160S	
CB701/CB702	BEAD COIL, SMD1608 TYPE	2	D340160800060S	
CN701	CN,WIRE 80MM (3P)	1	L000800030130S	
CP704	CN.WAFER 2.5MM (3P)	1	L102526803010S	
D701-D704	KDS4148U, SWITCHING CHIP	4	K005041480030S	
DZ705	7.5V 0.2W, ZENER CHIP	1	K06607R54P400S	
FPC700	CN.FPC 1.25MM (17P)	1	L131101700010S	
IC701	SC16315, LINEAR-DRIVER	1	J127163150010S	
J701/J702	CN,WIRE 1P	2	L045084006040S	
J705-J708	CN,WIRE 1P	4	L045084006040S	
J710	CN,WIRE 1P	1	L045084006040S	
J711	CN,WIRE 1P	1	L045084006040S	
J713	CN,WIRE 1P	1	L045084006040S	
J715/J716	CN,WIRE 1P	2	L045084006040S	
J719-J729	CN,WIRE 1P	11	L045084006040S	
JACK700	TER,RCA 3PIN	1	G606040320000S	
L700	INDUCTOR COIL, 100UH	1	D330101001020S	
L702	INDUCTOR COIL, 10UH	1	D330100700520S	
L703/L704	INDUCTOR COIL, 22UH	2	D330220010520S	
LED701	LED, 3PI RED	1	K5000320000160S	
LED702	LED, 5PI BLUE/ORINGE	1	K500056000040S	
Q701/Q702	KRC105S(NE), NPN	2	J522010500210S	
Q703	KRA105S(PE), PNP	1	J520010500210S	
Q704	KRC105S(NE), NPN	1	J522010500210S	
Q705	KRA105S(PE), PNP	1	J520010500210S	
R702/R703	CHIP THICK68 kohm1/16WJ	2	C20006836M160S	
R704-R731	CHIP THICK56 kohm1/16WJ	28	C20005636M160S	
R732/R733	CHIP THICK68 kohm1/16WJ	2	C20006836M160S	
R736	CHIP THICK8.2 kohm1/16WJ	1	C20008226M160S	
R737	CHIP THICK82 kohm1/16WJ	1	C20008236M160S	
R738	CHIP THICK8.2 kohm1/16WJ	1	C20008226M160S	
R739/R740	CHIP THICK47 ohm1/16WJ	2	C20004706M160S	
R741/R742	CHIP THICK4.7 kohm1/16WJ	2	C20004726M160S	
R743	CHIP THICK75 ohm1/16WJ	1	C20007506M160S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
R744/R745	CHIP THICK3.3 kohm1/16WJ	2	C20003326M160S	
R746	CHIP THICK100 ohm1/16WJ	1	C20001016M160S	
R747	CHIP THICK3.3 kohm1/16WJ	1	C20003326M160S	
R748	CHIP THICK1 kohm1/16WJ	1	C20001026M160S	
R749-R751	CHIP THICK2.2 kohm1/16WJ	3	C20002226M160S	
R752-R754	CHIP THICK1.5 kohm1/16WJ	3	C20001526M160S	
R755-R757	CHIP THICK1 kohm1/16WJ	3	C20001026M160S	
R771	CHIP THICK15 kohm1/16WJ	1	C20001536M160S	
R774	CHIP THICK47 ohm1/16WJ	1	C20004706M160S	
R775	CHIP THICK100 ohm1/16WJ	1	C20001016M160S	
R782L/R	CHIP THICK220 kohm1/16WJ	2	C20002246M160S	
R784L/R	CHIP THICK470 ohm1/16WJ	2	C20004716M160S	
RMC701	MODULE, NJL34H380A	1	E940343800010S	
SW701-SW719	SW,TACT SKHV10920A	19	G180000270010S	
VR701	SW.ENCODER	1	G121123070010S	
WIRE701	RING,TER WIRE 120,80MM (2P)	1	8410121020020S	
WIRE703	RING,TER WIRE 120,80MM (2P)	1	8410121020020S	
	HOLDER FL		432004078301AS	
	DISPLAY, FLT		K530121300010S	
PCB2-1	ASSEMBLY P.C.BOARD MULTI JOG			
C741	CERAMIC HIK AXIAL0.01 uF16V M	1	D005103773530S	
CB703	BEAD COIL, SMD1608 TYPE	1	D340160800060S	
VR702	SW.ENCODER	1	G121123050010S	
PCB2-2	ASSEMBLY P.C.BOARD POWER SW			
CN709	CN,WIRE 420MM (2P)	1	L000421020030S	
SW700	SW,PUSH (SDDL-005-S)	1	G000122006060S	
PCB2-3	ASSEMBLY P.C.BOARD HEADPHONE			
C711	CERAMIC CHIP HIK0.1 uF50V Z	1	D011104597160S	
CB707	BEAD COIL, SMD1608 TYPE	1	D340160800060S	
CN702	CN,WIRE 380MM (4P)	1	L000381040010S	
JACK705	JACK,D6.5	1	G402040161330S	
WIRE702	RING,TER WIRE 120MM (1P)	1	8410121010020S	
PCB2-4	ASSEMBLY P.C.BOARD MIC SETUP			
C716	CERAMIC HIK DISC0.01 uF50V Z	1	D004103097060S	
C718	CERAMIC CHIP HIK0.1 uF50V Z	1	D011104597160S	
C720	CERAMIC CHIP HIK0.1 uF50V Z	1	D011104597160S	
C723-C725	ELECT GE 85C1 uF50V M	3	D040010087070S	
C729/C730	CERAMIC CHIP T.C100 pF50V J	2	D010101167160S	
C732/C733	CERAMIC CHIP T.C150 pF50V J	2	D010151167160S	
C737	CERAMIC CHIP T.C220 pF50V J	1	D010221167160S	
C738	CERAMIC HIK DISC0.01 uF50V Z	1	D004103097060S	
C739/C740	CERAMIC CHIP HIK0.01 uF50V K	2	D011103777160S	
C746/C747	CERAMIC CHIP HIK1000 pF50V K	2	D011102777160S	
CB704/CB705	BEAD COIL, SMD1608 TYPE	2	D340160800060S	
CN706	CN,WIRE 440MM (12P)	1	L000441120010S	
IC702	CF4558CB, LINEAR OP	1	J121455800150S	
J709	CHIP THICK0 ohm1/16WJ	1	C20000006M160S	
J758/J759	CN,WIRE 1P	2	L045084006040S	
JACK701	JACK,D3.5	1	G401035180050S	
JACK702	JACK,D3.5	1	G401035180050S	
R758	CHIP THICK1 kohm1/16WJ	1	C20001026M160S	
R759-R762	CHIP THICK100 ohm1/16WJ	4	C20001016M160S	
R763/R764	CHIP THICK100 kohm1/16WJ	2	C20001046M160S	
R765	CHIP THICK10 kohm1/16WJ	1	C20001036M160S	
R766	CHIP THICK2.2 kohm1/16WJ	1	C20002226M160S	
R767	CHIP THICK100 kohm1/16WJ	1	C20001046M160S	
R768	CHIP THICK10 kohm1/16WJ	1	C20001036M160S	
R769	CHIP THICK47 kohm1/16WJ	1	C20004736M160S	
R770	CHIP THICK1.5 kohm1/16WJ	1	C20001526M160S	
R772	CHIP THICK1.5 kohm1/16WJ	1	C20001526M160S	
R773	CHIP THICK470 ohm1/16WJ	1	C20004716M160S	
R776	CHIP THICK4.7 kohm1/16WJ	1	C20004726M160S	
PCB3	ASSEMBLY P.C.BOARD AMP		7025HK0701012	G
PCB3	ASSEMBLY P.C.BOARD AMP		7025HK0701022	A
	CAPACITORS			
C201C	ELECT GE 85C10 uF50V M	1	D040100087070S	
C201FL	ELECT GE 85C10 uF50V M	1	D040100087070S	
C201FR	ELECT GE 85C10 uF50V M	1	D040100087070S	
C201SBL	ELECT GE 85C10 uF50V M	1	D040100087070S	
C201SBR	ELECT GE 85C10 uF50V M	1	D040100087070S	
C201SL	ELECT GE 85C10 uF50V M	1	D040100087070S	
C201SR	ELECT GE 85C10 uF50V M	1	D040100087070S	
C202C	CERAMIC HIK AXIAL220 pF50V K	1	D005221277520S	
C202FL	CERAMIC HIK AXIAL220 pF50V K	1	D005221277520S	
C202FR	CERAMIC HIK AXIAL220 pF50V K	1	D005221277520S	

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
C202SBL	CERAMIC HIK AXIAL	220 pF	50V	K	1	D005221277520S		
C202SBR	CERAMIC HIK AXIAL	220 pF	50V	K	1	D005221277520S		
C202SL	CERAMIC HIK AXIAL	220 pF	50V	K	1	D005221277520S		
C202SR	CERAMIC HIK AXIAL	220 pF	50V	K	1	D005221277520S		
C203C	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C203FL	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C203FR	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C203SBL	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C203SBR	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C203SL	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C203SR	CERAMIC HIK DISC	220 pF	500V	J	1	D00422106D05CS		
C204C	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C204FL	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C204FR	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C204SBL	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C204SBR	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C204SL	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C204SR	CERAMIC T.C DISC	33 pF	500V	J	1	D00033006D050S		
C205C	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C205FL	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C205FR	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C205SBL	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C205SBR	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C205SL	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C205SR	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C206C	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C206FL	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C206FR	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C206SBL	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C206SBR	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C206SL	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C206SR	CERAMIC HIK AXIAL	0.001 uF	50V	K	1	D005102177530S		
C207C	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C207FL	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C207FR	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C207SBL	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C207SBR	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C207SL	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C207SR	ELECT GE 85C	47 uF	50V	M	1	D040470087070S		
C208C	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C208FL	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C208FR	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C208SBL	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C208SBR	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C208SL	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C208SR	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C209C	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C209FL	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C209FR	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C209SBL	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C209SBR	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C209SL	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C209SR	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210C	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210FL	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210FR	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210SBL	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210SBR	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210SL	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C210SR	CERAMIC HIK DISC	100 pF	500V	K	1	D00410106D050S		
C211C	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C211FL	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C211FR	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C211SBL	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C211SBR	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C211SL	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C211SR	CERAMIC HIK AXIAL	0.022 uF	25V	Z	1	D005223594520S		
C212	ELECT GE 85C	10 uF	100V	M	1	D04010008C050S		
	CONNECTORS							
CN2	CN,WIRE 100MM (15P)					1	L000101150090S	
CP1	CN.WAFER 2.0MM (14P)					1	L1012201440000S	
	DIODES							
D201C	1SS133T, SWITCHING					1	K000013300520S	
D201FL	1SS133T, SWITCHING					1	K000013300520S	
D201FR	1SS133T, SWITCHING					1	K000013300520S	

REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
	MISCELLANEOUS						
J200/J201	CN,WIRE 1P				2	L045084006040S	
J203	CN,WIRE 1P				1	L045084006040S	
J205-J210	CN,WIRE 1P				6	L045084006040S	
J212-J217	CN,WIRE 1P				6	L045084006040S	
J219-J222	CN,WIRE 1P				4	L045084006040S	
J224	CN,WIRE 1P				1	L045084006040S	
J226/J227	CN,WIRE 1P				2	L045084006040S	
J229-J235	CN,WIRE 1P				7	L045084006040S	
J238-J262	CN,WIRE 1P				25	L045084006040S	
J265-J269	CN,WIRE 1P				5	L045084006040S	
J271-J276	CN,WIRE 1P				6	L045084006040S	
J278-J346	CN,WIRE 1P				69	L045084006040S	
PCB4	ASSEMBLY P.C.BOARD ST/BY					7025HK0701013	G
PCB4	ASSEMBLY P.C.BOARD ST/BY					7025HK0701023	A
C300	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C301	ELECT GE 85C	2200 uF	16V	M	1	D040222083080S	
C302	ELECT GE 85C	1 uF	50V	M	1	D040010087150S	
C304	CERAMIC AC(SAFETY)	0.0047 uF	250VAC		1	D00847208H010S	
C305/C306	CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	
C315	ELECT GE 85C	1 uF	50V	M	1	D040010087150S	
CN301	CN.FPC 1.25MM (7P)				1	L131007000010S	
CP304	CN.WAFER 7.92MM				1	L108353280280S	
CP305	CN.WAFER 7.92MM				1	L108353280290S	
CP306	CN.WAFER 7.92MM				1	L108202000220S	
D301	1SS133T, SWITCHING				1	K000013300520S	
D302-D304	KDS4148U, SWITCHING CHIP				3	K005041480030S	
D305-D308	1N4007, SWITCHING				4	K000400700010S	
F300/F301	FUSE, T6.3A/250V				2	N751226301110S	A
F300/F301	FUSE, T4A/250V				2	N751224001110S	G
F300A	HOLDER, P15.2-REEL				1	G645000050010S	
F300B	HOLDER, P15.2-REEL				1	G645000050010S	
F301A	HOLDER, P15.2-REEL				1	G645000050010S	
F301B	HOLDER, P15.2-REEL				1	G645000050010S	
GT301	TERMINAL				1	3790040886000S	
IC300	KIA1117PI33, LINEAR-REGULATOR				1	J126111733050S	
J301-J303	CN,WIRE 1P				3	L045084006040S	
JACK301	SOCKET, AC OUTLET CCT1304-0212				1	G435040070000S	A
JACK301	SOCKET, AC OUTLET YKE31-0090				1	G435040110000S	G
PT301	POWER TRANS, STAND-BY 120V/60Hz				1	8200280150390S	A
PT301	POWER TRANS, STAND-BY 230V/50Hz				1	8200280150380S	G
Q300/Q301	KTC3875S, NPN				2	J522038750210S	
Q302	KRC107S(NH), NPN				1	J522107S00210S	A
R300	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	
R301	CHIP THICK	20 kohm	1/16W	J	1	C20002036M160S	
R302	CHIP THICK	3.3 kohm	1/16W	J	1	C20003326M160S	
R303	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M160S	
R304	METAL FILM 100PPM	10 ohm	1/4W	J	1	C060010063050S	
R305	METAL FILM 100PPM	2.2 Mohm	0.5W		1	C060022564520S	A
R333	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S	
RLY301	RELAY, G5PA-1 DC6V 5A				1	G680060502010S	
ZD301	MTZJ3.0B-0.5W, ZENER				1	K06003R044520S	
ZD302	MTZJ10B-0.5W, ZENER				1	K06010R044520S	A
PCB4-1	ASSEMBLY P.C.BOARD SPEAKER						
BD804	BEAD COIL, SMD1608 TYPE				1	D340160800060S	
BKT801	SHIELD, PLATE GND				1	3070045526010S	
C818	ELECT GE 85C	47 uF	16V	M	1	D040470083080S	
C819/C820	FILM POLYESTER	0.012 uF	100V	J	2	D02012306C060S	
C821	ELECT GE 85C	1 uF	50V	M	1	D040010087150S	
C822	ELECT GE 85C	4.7 uF	50V	M	1	D0404R7087250S	
C823	CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103777160S	
C825/C826	CERAMIC CHIP HIK	0.01 uF	50V	K	2	D011103777160S	
C827	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C828-C830	CERAMIC CHIP HIK	0.01 uF	50V	K	3	D011103777160S	
C831L/R	CERAMIC CHIP T.C	100 pF	50V	J	2	D010101167160S	
C832L/R	ELECT GE 85C	10 uF	50V	M	2	D040100087070S	
C835SW	CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	
C843L/R	FILM POLYESTER	0.01 uF	100V	J	2	D02010306C060S	G
C844L/R	FILM POLYESTER	0.01 uF	100V	J	2	D02010306C060S	G
C855	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C856/C857	CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	
C858	ELECT GE 85C	10 uF	50V	M	1	D040100087070S	
C861	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011103777160S	
C862	CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103777160S	
C863	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	

REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
C865	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C866	CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103777160S	
CN804	CN,WIRE 140MM (4P)				1	L0000141040070S	
CP802	CN.WAFER 2.0MM (4P)				1	L101100040410S	
D803	KDS4148U, SWITCHING CHIP				1	K005041480030S	
FPC802	CN.FPC 1.25MM (19P)				1	L131101900010S	
IC803	CXA1511M-T4, OPTICAL-RF AMP				1	J030151100010S	
IC804	LM1117S-5.0V, LINEAR-REGULATOR				1	J126111750030S	
IC805	MM74HCT244- TSSOP20, LOGIC				1	J040742440190S	
IC806	PL2303HX, LOGIC				1	J040230300010S	
J801-J806	CN,WIRE 1P				6	L045084006040S	
J814-J822	CN,WIRE 1P				9	L045084006040S	
JACK801	TER,BOARD SCREW 4P				1	G612405EWG00YS	
JACK802	TER,RCA 3PIN				1	G606319CG01BYS	
JACK803	JACK,D3.5				1	G401035320010S	
JACK804	JACK,D3.5				1	G401035320010S	
JACK805	CN.WAFER 1.0MM (10P)				1	G480040100010S	
Q801	KRC105S(NE), NPN				1	J522010500210S	
Q802	KTA1266Y, PNP				1	J5001266Y0050S	
Q803	KRC111S(NM), NPN				1	J522011100210S	
Q804	KRC105S(NE), NPN				1	J522010500210S	
Q805-Q810	KTC2875B(MB), NPN				6	J5222875B0010S	
Q811	KRC102S(NB), NPN				1	J522010200210S	
Q812	KRC105S(NE), NPN				1	J522010500210S	
R818	CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S	
R819	CHIP THICK	47 ohm	1/16W	J	1	C20004706M160S	
R820	CHIP THICK	200 kohm	1/16W	J	1	C20002046M160S	
R821	CHIP THICK	470 ohm	1/16W	J	1	C20004716M160S	
R822	CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	
R823	METAL FILM 100PPM	4.7 ohm	1W	J	1	C0604R7065050S	
R824	METAL FILM 100PPM	150 ohm	1W	J	1	C060015165050S	
R825	CARBON FILM	1 kohm	1/5W	J	1	C00001026P520S	
R826	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	
R829/R830	CHIP THICK	1 kohm	1/16W	J	2	C20001026M160S	
R831/R832	CHIP THICK	47 kohm	1/16W	J	2	C20004736M160S	
R833L/R	CHIP THICK	330 ohm	1/16W	J	2	C20003316M160S	
R834L/R	CHIP THICK	220 kohm	1/16W	J	2	C20002246M160S	
R835SW	CHIP THICK	47 ohm	1/16W	J	1	C20004706M160S	
R836SW	CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	
R837SW	CHIP THICK	470 ohm	1/16W	J	1	C20004716M160S	
R838	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	
R839	CHIP THICK	22 kohm	1/16W	J	1	C20002236M160S	
R840	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	
R841	CHIP THICK	22 kohm	1/16W	J	1	C20002236M160S	
R842	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	
R843	CHIP THICK	22 kohm	1/16W	J	1	C20002236M160S	
R844L/R	CHIP THICK	470 ohm	1/16W	J	2	C20004716M160S	
R845L/R	CHIP THICK	100 kohm	1/16W	J	2	C20001046M160S	
R850	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S	
R851	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	
R852	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M160S	
R853/R854	CHIP THICK	47 ohm	1/16W	J	2	C20004706M160S	
R855	CHIP THICK	1.5 kohm	1/16W	J	1	C20001526M160S	
RLY103	RELAY, G5PA-28-NW DC12V 5A				1	G680120502040S	
ZD801	MTZJ6.2B-0.5W, ZENER				1	K06006R244520S	
PCB4-2	ASSEMBLY P.C.BOARD D.INPUT						
BD801-BD803	BEAD COIL, SMD1608 TYPE				3	D340160800060S	
C801	ELECT GE 85C	47 uF	16V	M	1	D040470083080S	
C802	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C803	CERAMIC CHIP T.C	22 pF	50V	J	1	D010220167160S	
C804	ELECT GE 85C	47 uF	16V	M	1	D040470083080S	
C805	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C806	CERAMIC CHIP T.C	22 pF	50V	J	1	D010220167160S	
C807	ELECT GE 85C	47 uF	16V	M	1	D040470083080S	
C808	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C809	CERAMIC CHIP T.C	22 pF	50V	J	1	D010220167160S	
C810	ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S	
C812	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C813	CERAMIC CHIP T.C	22 pF	50V	J	1	D010220167160S	
C814	ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S	
C816	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	
C817	CERAMIC CHIP T.C	22 pF	50V	J	1	D010220167160S	
C824	CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103777160S	
C834	ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S	
C835	ELECT GE 85C	100 uF	10V	M	1	D040101082090S	

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
C836	ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S		
C837	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C838/C839	ELECT GE 85C	0.1 uF	50V	M	2	D040R10087080S		
C840	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C841	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C842/C843	CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S		
CN801	CN.WAFER 2.0MM (4P)					1	L101100030410S	
D801/D802	KDS4148U, SWITCHING CHIP					2	K005041480030S	
FPC801	CN.FPC 1.0MM (10P)					1	L130201000010S	
IC801	74VHCU04, LOGIC					1	J040740400270S	
IC802	ILX3232D, LOGIC-INTERFACE					1	J046323200020S	
J807-J813	CN,WIRE 1P					7	L045084006040S	
JACK806	MODULE, JST1165-B /OPTICAL					1	E100116500030S	
JACK807	MODULE, JSR1165-C /OPTICAL					1	E100116500040S	
JACK808	MODULE, JSR1165-C /OPTICAL					1	E100116500040S	
JACK809	TER,RCA 2PIN					1	G601206AG020YS	
JACK810	CN.WAFER INTERFACE (9P)					1	L103090090030S	
L801-L803	INDUCTOR COIL, 4.7UH					3	D3304R7000150S	
L804/L805	INDUCTOR COIL, 2.2UH					2	D3302R2000150S	
R801/R802	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M160S		
R803-R806	CHIP THICK	47 ohm	1/16W	J	4	C20004706M160S		
R807	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M160S		
R808	CHIP THICK	100 ohm	1/16W	J	1	C20004016M160S		
R809	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S		
R810	CHIP THICK	75 ohm	1/16W	J	1	C20007506M160S		
R813	CHIP THICK	100 ohm	1/16W	J	1	C20001016M160S		
R814	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S		
R815	CHIP THICK	75 ohm	1/16W	J	1	C20007506M160S		
R827/R828	CHIP THICK	47 ohm	1/16W	J	2	C20004706M160S		
R833	CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S		
PCB4-3	ASSEMBLY P.C.BOARD CONNECTION							
CN806	CN.WAFER 2.0MM (4P)					1	L101100030410S	
CP805	CN.WAFER 2.0MM (4P)					1	L101100040410S	
PCB5	ASSEMBLY P.C.BOARD VIDEO						7025HK0701014	G
PCB5	ASSEMBLY P.C.BOARD VIDEO						7025HK0701024	A
	CAPACITORS							
C501-C506	ELECT GE 85C	10 uF	50V	M	6	D040100087070S		
C507-C509	ELECT GE 85C	470 uF	6.3V	M	3	D040471081070S		
C510-C519	CERAMIC CHIP HIK	0.01 uF	50V	K	10	D011103777160S		
C520	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C521	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C522	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C523	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C524/C525	ELECT GE 85C	100 uF	10V	M	2	D040101082090S		
C526/C527	CERAMIC CHIP HIK	0.01 uF	50V	K	2	D011103777160S		
C528	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C529	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C530	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C531	ELECT GE 85C	1 uF	50V	M	1	D040010087150S		
C532	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C535/C536	CERAMIC CHIP HIK	0.01 uF	50V	K	2	D011103777160S		
C537C	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C537Y	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C538-C541	CERAMIC CHIP HIK	0.01 uF	50V	K	4	D011103777160S		
C543	ELECT GE 85C	22 uF	25V	M	1	D040220084050S		
C544	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C545	ELECT GE 85C	10 uF	50V	M	1	D040100087070S		
C546	CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103777160S		
C547C	ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S		
C547Y	ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S		
C548/C549	CERAMIC CHIP HIK	0.01 uF	50V	K	2	D011103777160S		
C551/C552	CERAMIC CHIP HIK	0.047 uF	16V	K	2	D011473773160S		
C553	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C554	ELECT GE 85C	1 uF	50V	M	1	D040010087150S		
C555	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C556C	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C556Y	ELECT GE 85C	100 uF	10V	M	1	D040101082090S		
C557-C579	CERAMIC CHIP HIK	0.01 uF	50V	K	3	D011103777160S		
C559	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C560	CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S		
C561	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C562	ELECT GE 85C	1 uF	50V	M	1	D040010087150S		
C563	CERAMIC CHIP HIK	0.047 uF	16V	K	1	D011473773160S		
C565/C566	CERAMIC CHIP T.C	20 pF	50V	J	2	D010200167160S		
C567/C568	CERAMIC CHIP T.C	24 pF	50V	J	2	D010240167160S		

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
C569	CERAMIC CHIP HIK	0.022 uF	25V	K	1		D011223777160S	
C570/C571	ELECT GE 85C	47 uF	16V	M	2		D040470083080S	
C572	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C573	ELECT GE 85C	47 uF	16V	M	1		D040470083080S	
C574	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C575	CERAMIC CHIP HIK	0.022 uF	25V	K	1		D011223777160S	
C576	CERAMIC CHIP HIK	1200 pF	50V	K	1		D011122777160S	
C577/C578	CERAMIC CHIP T.C	100 pF	50V	J	2		D010101167160S	
C580	ELECT GE 85C	47 uF	16V	M	1		D040470083080S	
C581/C582	CERAMIC CHIP HIK	0.01 uF	50V	K	2		D011103777160S	
C583	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C584	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102777160S	
C585	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C586	CERAMIC CHIP HIK	0.01 uF	50V	K	1		D011103777160S	
C587	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C588	CERAMIC CHIP HIK	0.01 uF	50V	K	1		D011103777160S	
C589-C591	CERAMIC CHIP HIK	0.1 uF	50V	Z	3		D011104597160S	
C592	CERAMIC CHIP HIK	0.22 uF	16V	Z	1		D011224593160S	
C593	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C597C	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C597-C599	CERAMIC CHIP HIK	0.01 uF	50V	K	3		D011103777160S	
C597Y	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C601-C606	CERAMIC CHIP HIK	0.1 uF	50V	Z	6		D011104597160S	
C607	FILM POLYESTER	0.1 uF	100V	J	1		D02010406C060S	
C608	ELECT GE 85C	100 uF	16V	M	1		D040101083070S	
C609	CERAMIC CHIP HIK	0.01 uF	50V	K	1		D011103777160S	
C610	ELECT GE 85C	470 uF	10V	M	1		D040471082060S	
C611	CERAMIC CHIP HIK	0.1 uF	50V	Z	1		D011104597160S	
C612	FILM POLYESTER	0.01 uF	100V	J	1		D02010306C060S	
C613	ELECT GE 85C	2.2 uF	50V	M	1		D0402R2087160S	
C614	FILM POLYESTER	0.1 uF	100V	J	1		D02010406C060S	
C615	FILM POLYESTER	0.022 uF	100V	J	1		D02022306C060S	
C616	CERAMIC T.C DISC	15 pF	50V	J	1		D000150167070S	
C617	ELECT GE 85C	0.22 uF	50V	M	1		D040R22087070S	
C618	FILM POLYESTER	0.0022 uF	100V	J	1		D02022206C060S	
C619	ELECT GE 85C	2.2 uF	50V	M	1		D0402R2087160S	
C620/C622	ELECT GE 85C	10 uF	50V	M	3		D040100087070S	
C623-C628	CERAMIC CHIP HIK	0.01 uF	50V	K	6		D011103777160S	
C629	ELECT GE 85C	2200 uF	25V	M	1		D040222084030S	
C630	ELECT GE 85C	4700 uF	25V	M	1		D040472084020S	
C632-C634	FILM POLYESTER	0.047 uF	100V	J	3		D02047306C060S	
C635/C636	CERAMIC CHIP HIK	0.01 uF	50V	K	2		D011103777160S	
C637/C638	ELECT GE 85C	220 uF	6.3V	M	2		D040221081230S	
C639	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C640	ELECT GE 85C	220 uF	6.3V	M	1		D040221081230S	
C641/C642	ELECT GE 85C	10 uF	50V	M	2		D040100087070S	
CONNECTORS								
CN501	CN.WAFER 2.0MM (14P)				1		L101100031410S	
CN502	CN.WAFER 2.0MM (8P)				1		L101100030810S	
CN503	CN.WAFER 2.0MM (6P)				1		L101100030610S	
DIODES								
D501-D508	KDS4148U, SWITCHING CHIP				8		K005041480030S	
D509-D512	1N4007, SWITCHING				4		K000400700010S	
INTEGRATED CIRCUITS								
IC501/IC502	MM74HC4052-TSSOP, LOGIC				2		J040744052040S	
IC503	NJM2586AM, MONITOR SW				1		J171258600010S	
IC504	TA1270BF, MONITOR				1		J170127000010S	
IC505	MM74HC4053MTC, LOGIC				1		J040744053050S	
IC506-IC508	MM74HC4052-TSSOP, LOGIC				3		J040744052040S	
IC509	LC74781, MONITOR				1		J170747810010S	
IC510	NJM2274R, ANALOG				1		J080227400010S	
IC511	LA76604M, MONITOR				1		J170766040010S	
IC512-IC516	TK15420MTL, LINEAR-DRIVER				5		J127154200020S	
IC518	TK15420MTL, LINEAR-DRIVER				1		J127154200020S	
IC520	BU2090F, LOGIC-DECODER				1		J044209000010S	
IC521	KIA78R09API, LINEAR-REGULATOR				1		J126780900120S	
IC522	KIA7805API, LINEAR-REGULATOR				1		J126780500110S	
IC523	KIA7905PI, LINEAR-REGULATOR				1		J126790500070S	
IC524	IL1117-3.3, LINEAR-REGULATOR				1		J126111700041S	
IC525	MM74HC4053MTC, LOGIC				1		J040744053050S	
JACKS								
JACK501	TER,RCA				1		G608832V2030MS	
JACK502	TER,RCA				1		G608832V2020MS	
JACK503	TER,RCA 3PIN				1		G606354AG04GYS	
COILS								

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
C569	CERAMIC CHIP HIK	0.022 uF	25V	K	1		D011223777160S	
C570/C571	ELECT GE 85C	47 uF	16V	M	2		D040470083080S	
C572	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C573	ELECT GE 85C	47 uF	16V	M	1		D040470083080S	
C574	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C575	CERAMIC CHIP HIK	0.022 uF	25V	K	1		D011223777160S	
C576	CERAMIC CHIP HIK	1200 pF	50V	K	1		D011122777160S	
C577/C578	CERAMIC CHIP T.C	100 pF	50V	J	2		D010101167160S	
C580	ELECT GE 85C	47 uF	16V	M	1		D040470083080S	
C581/C582	CERAMIC CHIP HIK	0.01 uF	50V	K	2		D011103777160S	
C583	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C584	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102777160S	
C585	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C586	CERAMIC CHIP HIK	0.01 uF	50V	K	1		D011103777160S	
C587	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C588	CERAMIC CHIP HIK	0.01 uF	50V	K	1		D011103777160S	
C589-C591	CERAMIC CHIP HIK	0.1 uF	50V	Z	3		D011104597160S	
C592	CERAMIC CHIP HIK	0.22 uF	16V	Z	1		D011224593160S	
C593	ELECT GE 85C	1 uF	50V	M	1		D040010087150S	
C597C	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C597-C599	CERAMIC CHIP HIK	0.01 uF	50V	K	3		D011103777160S	
C597Y	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C601-C606	CERAMIC CHIP HIK	0.1 uF	50V	Z	6		D011104597160S	
C607	FILM POLYESTER	0.1 uF	100V	J	1		D02010406C060S	
C608	ELECT GE 85C	100 uF	16V	M	1		D040101083070S	
C609	CERAMIC CHIP HIK	0.01 uF	50V	K	1		D011103777160S	
C610	ELECT GE 85C	470 uF	10V	M	1		D040471082060S	
C611	CERAMIC CHIP HIK	0.1 uF	50V	Z	1		D011104597160S	
C612	FILM POLYESTER	0.01 uF	100V	J	1		D02010306C060S	
C613	ELECT GE 85C	2.2 uF	50V	M	1		D0402R2087160S	
C614	FILM POLYESTER	0.1 uF	100V	J	1		D02010406C060S	
C615	FILM POLYESTER	0.022 uF	100V	J	1		D02022306C060S	
C616	CERAMIC T.C DISC	15 pF	50V	J	1		D000150167070S	
C617	ELECT GE 85C	0.22 uF	50V	M	1		D040R22087070S	
C618	FILM POLYESTER	0.0022 uF	100V	J	1		D02022206C060S	
C619	ELECT GE 85C	2.2 uF	50V	M	1		D0402R2087160S	
C620/C622	ELECT GE 85C	10 uF	50V	M	3		D040100087070S	
C623-C628	CERAMIC CHIP HIK	0.01 uF	50V	K	6		D011103777160S	
C629	ELECT GE 85C	2200 uF	25V	M	1		D040222084030S	
C630	ELECT GE 85C	4700 uF	25V	M	1		D040472084020S	
C632-C634	FILM POLYESTER	0.047 uF	100V	J	3		D02047306C060S	
C635/C636	CERAMIC CHIP HIK	0.01 uF	50V	K	2		D011103777160S	
C637/C638	ELECT GE 85C	220 uF	6.3V	M	2		D040221081230S	
C639	ELECT GE 85C	100 uF	10V	M	1		D040101082090S	
C640	ELECT GE 85C	220 uF	6.3V	M	1		D040221081230S	
C641/C642	ELECT GE 85C	10 uF	50V	M	2		D040100087070S	
CONNECTORS								
CN501	CN.WAFER 2.0MM (14P)				1		L101100031410S	
CN502	CN.WAFER 2.0MM (8P)				1		L101100030810S	
CN503	CN.WAFER 2.0MM (6P)				1		L101100030610S	
DIODES								
D501-D508	KDS4148U, SWITCHING CHIP				8		K005041480030S	
D509-D512	1N4007, SWITCHING				4		K000400700010S	
INTEGRATED CIRCUITS								
IC501/IC502	MM74HC4052-TSSOP, LOGIC				2		J040744052040S	
IC503	NJM2586AM, MONITOR SW				1		J171258600010S	
IC504	TA1270BF, MONITOR				1		J170127000010S	
IC505	MM74HC4053MTC, LOGIC				1		J040744053050S	
IC506-IC508	MM74HC4052-TSSOP, LOGIC				3		J040744052040S	
IC509	LC74781, MONITOR				1		J170747810010S	
IC510	NJM2274R, ANALOG				1		J080227400010S	
IC511	LA76604M, MONITOR				1		J170766040010S	
IC512-IC516	TK15420MTL, LINEAR-DRIVER				5		J127154200020S	
IC518	TK15420MTL, LINEAR-DRIVER				1		J127154200020S	
IC520	BU2090F, LOGIC-DECODER				1		J044209000010S	
IC521	KIA78R09API, LINEAR-REGULATOR				1		J126780900120S	
IC522	KIA7805API, LINEAR-REGULATOR				1		J126780500110S	
IC523	KIA7905PI, LINEAR-REGULATOR				1		J126790500070S	
IC524	IL1117-3.3, LINEAR-REGULATOR				1		J126111700041S	
IC525	MM74HC4053MTC, LOGIC				1		J040744053050S	
JACKS								
JACK501	TER,RCA				1		G608832V2030MS	
JACK502	TER,RCA				1		G608832V2020MS	
JACK503	TER,RCA 3PIN				1		G606354AG04GYS	
COILS								

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
R585C	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S		
R585Y	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S		
R586C	CHIP THICK	510 ohm	1/16W	J	1	C20005116M160S		
R586Y	CHIP THICK	510 ohm	1/16W	J	1	C20005116M160S		
R587C	CHIP THICK	560 ohm	1/16W	J	1	C20005616M160S		
R587Y	CHIP THICK	560 ohm	1/16W	J	1	C20005616M160S		
R588C	CHIP THICK	10 ohm	1/16W	J	1	C20001006M160S		
R588Y	CHIP THICK	10 ohm	1/16W	J	1	C20001006M160S		
R589/R590	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M160S		
R591	CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S		
R592	CHIP THICK	22 kohm	1/16W	J	1	C20002236M160S		
R593	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M160S		
R594	CHIP THICK	1.2 kohm	1/16W	J	1	C20001226M160S		
R595	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S		
R596	CHIP THICK	8.2 kohm	1/16W	J	1	C20008226M160S		
R597	CHIP THICK	220 ohm	1/16W	J	1	C20001036M160S		
R603/R604	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M160S		
R605	CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S		
R606	CHIP THICK	22 kohm	1/16W	J	1	C20002236M160S		
R607C	CHIP THICK	100 ohm	1/16W	J	1	C20001016M160S		
R607Y	CHIP THICK	100 ohm	1/16W	J	1	C20001016M160S		
R608C	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S		
R608Y	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S		
R609C	CHIP THICK	2 kohm	1/16W	J	1	C20002026M160S		
R609Y	CHIP THICK	2 kohm	1/16W	J	1	C20002026M160S		
R610C	CHIP THICK	75 ohm	1/16W	J	1	C20007506M160S		
R610Y	CHIP THICK	75 ohm	1/16W	J	1	C20007506M160S		
R611C	CHIP THICK	75 ohm	1/16W	J	1	C20007506M160S		
R611Y	CHIP THICK	75 ohm	1/16W	J	1	C20007506M160S		
R612	CHIP THICK	220 ohm	1/16W	J	1	C20002216M160S		
R613	CHIP THICK	2.2 Mohm	1/16W	J	1	C20002256M160S		
R614	CHIP THICK	200 ohm	1/16W	J	1	C20002016M160S		
R615	CHIP THICK	18 kohm	1/16W	J	1	C20001836M160S		
R616	CHIP THICK	470 ohm	1/16W	J	1	C20004716M160S		
R617	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M160S		
R618	CHIP THICK	470 ohm	1/16W	J	1	C20004716M160S		
R619-R630	CHIP THICK	10 kohm	1/16W	J	12	C20001036M160S		
R633-R637	CHIP THICK	47 ohm	1/16W	J	5	C20004706M160S		
R638-R641	CHIP THICK	47 kohm	1/16W	J	4	C20004736M160S		
R642/R643	CHIP THICK	47 ohm	1/16W	J	2	C20004706M160S		
R644	CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S		
R646	CHIP THICK	30 kohm	1/16W	J	1	C20003036M160S		
R647	CHIP THICK	5.1 kohm	1/16W	J	1	C20005126M160S		
R648	CHIP THICK	3 kohm	1/16W	J	1	C20003026M160S		
R649	CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S		
R650	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M160S		
R651	CHIP THICK	2.7 kohm	1/16W	J	1	C20002726M160S		
R652	CHIP THICK	6.8 kohm	1/16W	J	1	C20006826M160S		
R653	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M160S		
R654	CHIP THICK	360 ohm	1/16W	J	1	C20003616M160S		
R655	CHIP THICK	5.1 kohm	1/16W	J	1	C20005126M160S		
R656	CHIP THICK	8.2 kohm	1/16W	J	1	C20008226M160S		
R657/R658	METAL FILM 100PPM	0.22 ohm	1W	J	2	C060R22065050S		
R659	CHIP THICK	8.2 kohm	1/16W	J	1	C20008226M160S		
R660/R661	CHIP THICK	75 ohm	1/16W	J	2	C20007506M160S		
R662	CHIP THICK	12 kohm	1/16W	J	1	C20001236M160S		
R663	CHIP THICK	2.7 kohm	1/16W	J	1	C20002726M160S		
	MISCELLANEOUS							
XTAL501	CRYSTAL, 14.31818MHz					1	E80014R318080S	
XTAL503	CRYSTAL, 3.579545MHz					1	E800357954560S	
XTAL504	CRYSTAL, CSB503F30					1	E800503000020S	
	HEAT SINK, AL6063/SUB					3	2120000818020S	
	SCREW, +2S 3*8 B-TYPE ZNW/BH					3	B020030081810S	
	CN,WIRE 70MM (1P)					1	L000700010060S	
PCB6	ASSEMBLY P.C.BOARD HDMI						7025HK070101S	G
PCB6	ASSEMBLY P.C.BOARD HDMI						7025HK070102S	A
	COILS							
BD1001-BD1055	BEAD COIL, SMD1608 TYPE					55	D340160800060S	
BD1058-BD1061	BEAD COIL, SMD1608 TYPE					4	D340160800060S	A
BD1060-BD1062	BEAD COIL, SMD1608 TYPE					3	D340160800060S	
L1001-L1004	COIL,CHIP 90OHM SMD-REEL					4	D311220129000S	
	CAPACITORS							
C1001/C1002	CERAMIC CHIP HIK	0.1 uF	16V	K	2	D011104177101S		
C1003	ELECT CHIP(GE)	100 uF	6.3V		1	D050101081605S		
C1004	CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S		

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
C1005/C1006	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1007	ELECT CHIP(GE)	470 uF	6.3V		1		D050471081200S	
C1008/C1009	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1010	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1011	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1012/C1013	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1014	CERAMIC CHIP HIK	100 pF	50V	J	1		D011101167101S	
C1018-C1033	CERAMIC CHIP HIK	0.1 uF	16V	K	16		D011104177101S	
C1034	ELECT CHIP(GE)	220 uF	6.3V	M	1		D050221081200S	
C1035/C1036	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1037	ELECT CHIP(GE)	220 uF	6.3V	M	1		D050221081200S	
C1038/C1039	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1040	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1041-C1043	CERAMIC CHIP HIK	0.1 uF	16V	K	3		D011104177101S	
C1044/C1045	ELECT CHIP(GE)	100 uF	6.3V		2		D050101081650S	
C1046	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1047	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1048	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1049	CERAMIC CHIP HIK	100 pF	50V	J	1		D011101167101S	
C1050	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1051	TANTALUM CHIP(TC)	2.2 uF	16V	M	1		D0702R2083301S	
C1052	CERAMIC CHIP HIK	0.01 uF	16V	K	1		D011103177101S	
C1053/C1054	CERAMIC CHIP HIK	0.1 uF	50V	Z	2		D011104597160S	
C1055	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1056	CERAMIC CHIP HIK	0.1 uF	50V	Z	1		D011104597160S	
C1057	CERAMIC CHIP HIK	0.01 uF	16V	K	1		D011103177101S	
C1058	CERAMIC CHIP HIK	0.1 uF	50V	Z	1		D011104597160S	
C1059	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1060	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1061/C1062	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1063	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1064/C1065	CERAMIC CHIP HIK	18 pF	50V	J	2		D011180167101S	
C1066	CERAMIC CHIP HIK	0.01 uF	16V	K	1		D011103177101S	
C1067/C1068	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1069	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1070	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1071	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1072	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1073	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1074/C1075	TANTALUM CHIP(TC)	10 uF	10V		2		D070100082301S	
C1076-C1079	CERAMIC CHIP HIK	0.1 uF	16V	K	4		D011104177101S	
C1080	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1081-C1083	CERAMIC CHIP HIK	1000 pF	50V	K	3		D011102177101S	
C1084/C1085	TANTALUM CHIP(TC)	10 uF	10V		2		D070100082301S	
C1086/C1087	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1088/C1089	CERAMIC CHIP HIK	1000 pF	50V	K	2		D011102177101S	
C1090/C1091	TANTALUM CHIP(TC)	10 uF	10V		2		D070100082301S	
C1092	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1093	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1094	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1095	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1096	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1097/C1098	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1099	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1100-C1103	CERAMIC CHIP HIK	0.1 uF	16V	K	4		D011104177101S	
C1104	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1105-C1108	CERAMIC CHIP HIK	0.1 uF	16V	K	4		D011104177101S	
C1109	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1110/C1111	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1112	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1113	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1114/C1115	TANTALUM CHIP(TC)	10 uF	10V		2		D070100082301S	
C1116-C1119	CERAMIC CHIP HIK	0.1 uF	16V	K	4		D011104177101S	
C1120-C1126	CERAMIC CHIP HIK	1000 pF	50V	K	7		D011102177101S	
C1127	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1128/C1129	CERAMIC CHIP HIK	1000 pF	50V	K	2		D011102177101S	
C1130	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1131	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1132	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1133-C1135	CERAMIC CHIP HIK	0.1 uF	16V	K	3		D011104177101S	
C1136-C1140	CERAMIC CHIP HIK	1000 pF	50V	K	5		D011102177101S	
C1141/C1142	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1143	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1144-C1148	CERAMIC CHIP HIK	0.1 uF	16V	K	5		D011104177101S	
C1149-C1152	CERAMIC CHIP HIK	1000 pF	50V	K	4		D011102177101S	

REF No.	DESCRIPTION					Q'TY	PARTS No.	VER.
C1153-C1155	CERAMIC CHIP HIK	0.1 uF	16V	K	3		D011104177101S	
C1156-C1159	CERAMIC CHIP HIK	1000 pF	50V	K	4		D011102177101S	
C1161/C1162	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1163	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1164	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1165	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1166-C1169	CERAMIC CHIP HIK	1000 pF	50V	K	4		D011102177101S	
C1170-C1173	TANTALUM CHIP(TC)	10 uF	10V		4		D070100082301S	
C1174	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1175-C1177	CERAMIC CHIP HIK	1000 pF	50V	K	3		D011102177101S	
C1179/C1180	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	A
C1181	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	A
C1183-C1185	CERAMIC CHIP HIK	0.1 uF	16V	K	3		D011104177101S	A
C1186	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	A
C1187	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	A
C1188	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	A
C1189	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011102177101S	
C1190/C1191	CERAMIC CHIP HIK	12 pF	50V	J	2		D011120167101S	
C1192	CERAMIC CHIP HIK	560 pF	50V	K	1		D011561177101S	
C1193	CERAMIC CHIP HIK	1800 pF	50V	K	1		D011182177101S	
C1194	ELECT CHIP(GE)	10 uF	16V		1		D050100083470S	
C1195	CERAMIC CHIP HIK	560 pF	50V	K	1		D011561177101S	
C1197	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	A
C1198/C1199	CERAMIC CHIP HIK	1000 pF	50V	K	2		D011102177101S	A
C1200/C1201	CERAMIC CHIP HIK	33 pF	50V	J	2		D011330167101S	
C1202-C1205	CERAMIC CHIP HIK	20 pF	50V	J	4		D011200167100S	
C1206	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	A
C1207	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	A
C1208	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	A
C1209	CERAMIC CHIP HIK	560 pF	50V	K	1		D011561177101S	
C1210	CERAMIC CHIP HIK	1800 pF	50V	K	1		D011182177101S	
C1211	ELECT CHIP(GE)	10 uF	16V		1		D050100083470S	
C1212	CERAMIC CHIP HIK	560 pF	50V	K	1		D011561177101S	
C1213-C1215	CERAMIC CHIP HIK	0.1 uF	16V	K	3		D011104177101S	A
C1217	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1218/C1219	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1220/C1221	CERAMIC CHIP HIK	10 pF	50V	J	2		D011100167101S	
C1222-C1224	CERAMIC CHIP HIK	0.1 uF	16V	K	3		D011104177101S	
C1225	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1280	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1281	CERAMIC CHIP HIK	3300 pF	50V	K	1		D011332177101S	
C1282-C1284	ELECT CHIP(GE)	10 uF	16V		3		D050100083470S	
C1285	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1286/C1287	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1288	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1289	CERAMIC CHIP HIK	3300 pF	50V	K	1		D011332177101S	
C1290	ELECT CHIP(GE)	100 uF	16V		1		D050101083660S	
C1291	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1292	ELECT CHIP(GE)	10 uF	16V		1		D050100083470S	
C1293	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1294	ELECT CHIP(GE)	100 uF	16V		1		D050101083660S	
C1295	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1296-C1298	ELECT CHIP(GE)	10 uF	16V		3		D050100083470S	
C1299	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1300	ELECT CHIP(GE)	100 uF	6.3V		1		D050101081650S	
C1301	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1302	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1303	CERAMIC CHIP HIK	3300 pF	50V	K	1		D011332177101S	
C1304-C1306	ELECT CHIP(GE)	10 uF	16V		3		D050100083470S	
C1307	TANTALUM CHIP(TC)	10 uF	10V		1		D070100082301S	
C1308	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1309/C1310	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1311	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1312	CERAMIC CHIP HIK	3300 pF	50V	K	1		D011332177101S	
C1313	CERAMIC CHIP HIK	1000 pF	50V	K	1		D011102177101S	
C1314-C1316	ELECT CHIP(GE)	10 uF	16V		3		D050100083470S	
C1317	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1318	CERAMIC CHIP HIK	0.1 uF	16V	K	1		D011104177101S	
C1319	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1320	CERAMIC CHIP HIK	3300 pF	50V	K	1		D011332177101S	
C1321-C1323	ELECT CHIP(GE)	10 uF	16V		3		D050100083470S	
C1324	CERAMIC CHIP HIK	680 pF	50V	K	1		D011681177101S	
C1325/C1326	CERAMIC CHIP HIK	0.1 uF	16V	K	2		D011104177101S	
C1327	ELECT CHIP(GE)	220 uF	6.3V	M	1		D050221081200S	
C1328/C1329	CERAMIC CHIP HIK	20 pF	50V	J	2		D011200167100S	

REF No.

REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
Q1022-Q1024	KTC2875B(MB), NPN				3	J5222875B0010S	
Q1025	KRC102S(NB), NPN				1	J522010200210S	
Q1026	KRA102S(PB), PNP				1	J520010200210S	
Q1027-Q1031	KTC2875B(MB), NPN				5	J5222875B0010S	
Q1032-Q1035	KRC106S(NF), NPN				4	J522010600210S	
	RESISTORS						
R1001-R1003	CHIP THICK	47 ohm	1/16W	J	3	C20004706M101S	
R1004/R1005	CHIP THICK	3.3 kohm	1/16W	J	2	C20003326M101S	
R1006	CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	
R1007-R1035	CHIP THICK	47 ohm	1/16W	J	29	C20004706M101S	
R1036	CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	
R1037-R1051	CHIP THICK	47 ohm	1/16W	J	15	C20004706M101S	
R1052	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1053-R1070	CHIP THICK	47 ohm	1/16W	J	18	C20004706M101S	
R1071-R1073	CHIP THICK	3.3 kohm	1/16W	J	3	C20003326M101S	
R1074	CHIP THICK	2.7 kohm	1/16W	J	1	C20002726M101S	
R1075	CHIP THICK	2.4 kohm	1/16W	J	1	C20002426M101S	
R1076/R1077	CHIP THICK	3.3 kohm	1/16W	J	2	C20003326M101S	
R1078-R1088	CHIP THICK	47 ohm	1/16W	J	11	C20004706M101S	
R1089	CHIP THICK	390 ohm	1/16W	J	1	C20003916M101S	
R1090	CHIP THICK	510 ohm	1/16W	J	1	C20005116M101S	
R1091	CHIP THICK	300 ohm	1/16W	J	1	C20003016M160S	
R1092	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1093/R1094	CHIP THICK	0 ohm	1/16W	J	2	C20000006M101S	
R1095	CHIP THICK	300 ohm	1/16W	J	1	C20003016M160S	
R1096	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1097-R1099	CHIP THICK	0 ohm	1/16W	J	3	C20000006M101S	
R1101	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1102	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	
R1103	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1104	CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	
R1105	CHIP THICK	300 ohm	1/16W	J	1	C20003016M160S	
R1107	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1108	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1109	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	
R1110	CHIP THICK	300 ohm	1/16W	J	1	C20003016M160S	
R1111	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1112	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1113	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1114	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	
R1115	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1116	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1117/R1118	CHIP THICK	1.8 kohm	1/16W	J	2	C20001826M101S	
R1119	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1120-R1122	CHIP THICK	4.7 kohm	1/16W	J	3	C20004726M101S	
R1123	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	
R1124	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1129	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1132	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1133	CHIP THICK	1 Mohm	1/16W	J	1	C20001056M101S	
R1134	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1135	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1137-R1144	CHIP THICK	47 ohm	1/16W	J	8	C20004706M101S	
R1145	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1146-R1148	CHIP THICK	47 ohm	1/16W	J	3	C20004706M101S	
R1152-R1154	CHIP THICK	47 ohm	1/16W	J	3	C20004706M101S	
R1155	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	
R1156	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1157/R1158	CHIP THICK	47 ohm	1/16W	J	2	C20004706M101S	
R1160-R1168	CHIP THICK	47 ohm	1/16W	J	9	C20004706M101S	
R1170-R1172	CHIP THICK	47 ohm	1/16W	J	3	C20004706M101S	
R1176/R1177	CHIP THICK	47 ohm	1/16W	J	2	C20004706M101S	
R1178	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	
R1179	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	
R1180	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1181	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1182-R1196	CHIP THICK	47 ohm	1/16W	J	15	C20004706M101S	
R1197/R1198	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M101S	
R1199	CHIP THICK	470 kohm	1/16W	J	1	C20004746M101S	A
R1200	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A
R1201	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1202	CHIP THICK	3.3 kohm	1/16W	J	1	C20003326M101S	A
R1203/R1204	CHIP THICK	33 kohm	1/16W	J	2	C20003336M101S	A
R1205	CHIP THICK	1.8 kohm	1/16W	J	1	C20001826M101S	A
R1206	CHIP THICK	680 ohm	1/16W	J	1	C20006816M101S	A

REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
R1207/R1208	CHIP THICK	100 kohm	1/16W	J	2	C20001046M101S	A
R1209/R1210	CHIP THICK	47 kohm	1/16W	J	2	C20004736M101S	A
R1211	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	A
R1212	CHIP THICK	1.8 kohm	1/16W	J	1	C20001826M101S	A
R1213	CHIP THICK	680 ohm	1/16W	J	1	C20006816M101S	A
R1214	CHIP THICK	100 ohm	1/16W	J	1	C20001016M101S	A
R1215	CHIP THICK	470 ohm	1/16W	J	1	C20004716M101S	A
R1216	CHIP THICK	200 ohm	1/16W	J	1	C20002016M101S	A
R1217	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A
R1218	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1219	CHIP THICK	3.3 kohm	1/16W	J	1	C20003326M101S	A
R1220/R1221	CHIP THICK	100 ohm	1/16W	J	2	C20001016M101S	A
R1222	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A
R1223	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1224	CHIP THICK	470 ohm	1/16W	J	1	C20004716M101S	A
R1225	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1226/R1227	CHIP THICK	470 ohm	1/16W	J	2	C20004716M101S	A
R1228	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1229	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	A
R1230	CHIP THICK	470 ohm	1/16W	J	1	C20004716M101S	A
R1231	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1232/R1233	CHIP THICK	47 kohm	1/16W	J	2	C20004736M101S	A
R1234	CHIP THICK	1.8 kohm	1/16W	J	1	C20001826M101S	A
R1235	CHIP THICK	3.3 kohm	1/16W	J	1	C20003326M101S	A
R1236	CHIP THICK	680 ohm	1/16W	J	1	C20006816M101S	A
R1237/R1238	CHIP THICK	100 kohm	1/16W	J	2	C20001046M101S	A
R1239/R1240	CHIP THICK	33 kohm	1/16W	J	2	C20003336M101S	A
R1241/R1242	CHIP THICK	10 kohm	1/16W	J	2	C20001036M111S	A
R1243	CHIP THICK	1.8 kohm	1/16W	J	1	C20001826M101S	A
R1244	CHIP THICK	680 ohm	1/16W	J	1	C20006816M101S	A
R1245	CHIP THICK	100 ohm	1/16W	J	1	C20001016M101S	A
R1246	CHIP THICK	470 ohm	1/16W	J	1	C20004716M101S	A
R1247	CHIP THICK	200 ohm	1/16W	J	1	C20002016M101S	A
R1248	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	A
R1249/ R1250	CHIP THICK	47 ohm	1/16W	J	2	C20004706M101S	A
R1251/R1252	CHIP THICK	10 kohm	1/16W	J	2	C20001036M111S	A
R1253/R1254	CHIP THICK	22 kohm	1/16W	J	2	C20002236M101S	A
R1255	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	A
R1256	CHIP THICK	22 kohm	1/16W	J	1	C20002236M101S	A
R1257	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A
R1258	CHIP THICK	22 kohm	1/16W	J	1	C20002236M101S	A
R1259	CHIP THICK	3.3 kohm	1/16W	J	1	C20003326M101S	A
R1260	CHIP THICK	100 ohm	1/16W	J	1	C20001016M101S	A
R1261	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A
R1262-R1267	CHIP THICK	0 ohm	1/16W	J	6	C20000006M101S	
R1268	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1269-R1274	CHIP THICK	10 kohm	1/16W	J	6	C20001036M111S	
R1275-R1300	CHIP THICK	47 ohm	1/16W	J	26	C20004706M101S	
R1301	CHIP THICK	22 kohm	1/16W	J	1	C20002236M101S	A
R1302	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1303	CHIP THICK	47 kohm	1/16W	J	1	C20004736M101S	
R1304	CHIP THICK	10 kohm	1/16W	J	1	C20001036M111S	
R1350	CHIP THICK	100 kohm	1/16W	J	1	C20001046M101S	
R1351	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1352	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M101S	
R1353	CHIP THICK	470 kohm	1/16W	J	1	C20004746M101S	
R1354	CHIP THICK	330 ohm	1/16W	J	1	C20003316M101S	
R1355-R1357	CHIP THICK	4.7 kohm	1/16W	J	3	C20004726M101S	
R1358	CHIP THICK	100 kohm	1/16W	J	1	C20001046M101S	
R1359	CHIP THICK	470 kohm	1/16W	J	1	C20004746M101S	
R1360	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1361	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M101S	
R1362/R1363	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M101S	
R1364	CHIP THICK	330 ohm	1/16W	J	1	C20003316M101S	
R1365	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1366	CHIP THICK	100 kohm	1/16W	J	1	C20001046M101S	
R1367	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1368	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M101S	
R1369	CHIP THICK	470 kohm	1/16W	J	1	C20004746M101S	
R1370/R1371	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M101S	
R1372	CHIP THICK	330 ohm	1/16W	J	1	C20003316M101S	
R1373	CHIP THICK	470 kohm	1/16W	J	1	C20004746M101S	
R1374	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1375	CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	
R1376	CHIP THICK	100 kohm	1/16W	J	1	C20001046M101S	

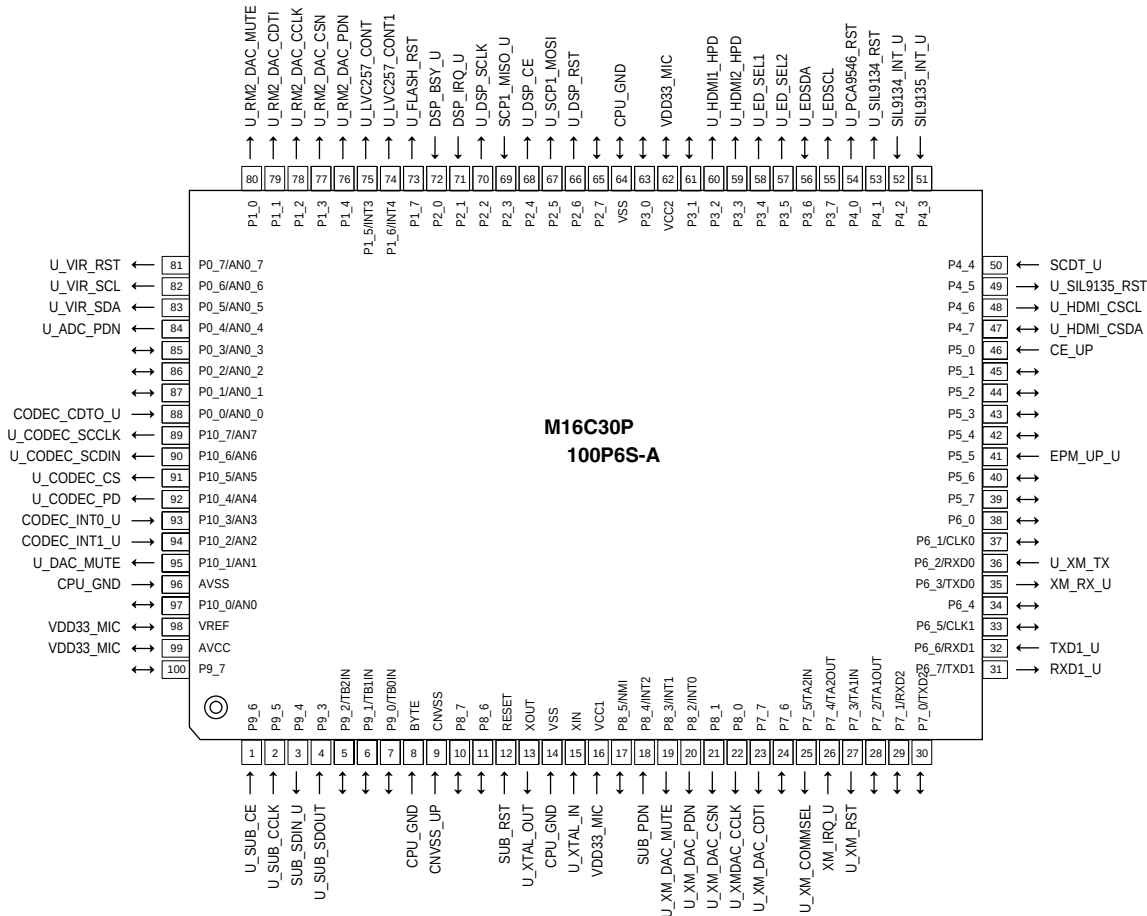
REF No.	DESCRIPTION				Q'TY	PARTS No.	VER.
R1377	CHIP THICK	470 kohm	1/16W	J	1	C20004746M101S	
R1378	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1379	CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M101S	
R1380/R1381	CHIP THICK	10 kohm	1/16W	J	2	C20001036M111S	
R1382/R1383	CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M101S	
R1384	CHIP THICK	330 ohm	1/16W	J	1	C20003316M101S	
R1385	CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M101S	
R1386	CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	
R1387/R1388	CHIP THICK	10 kohm	1/16W	J	2	C20001036M111S	</

IC'S FUNCTIONAL BLOCK DIAGRAMS

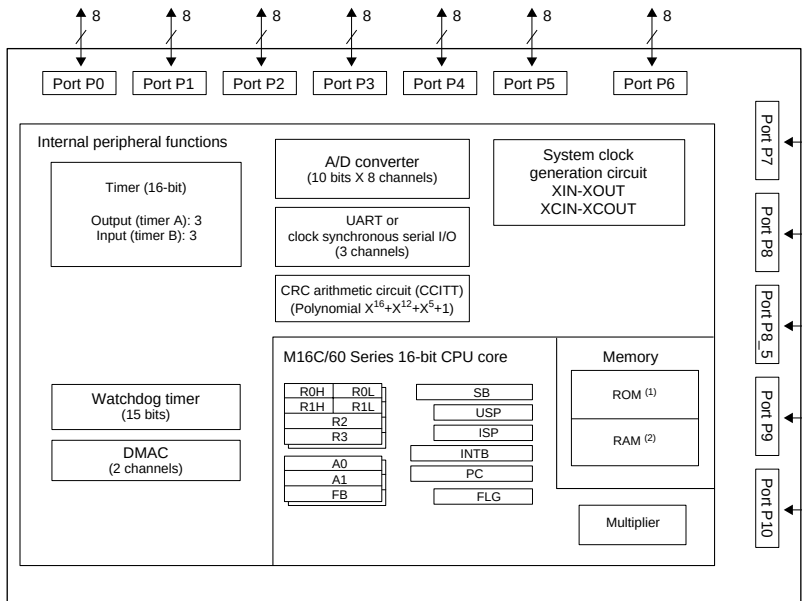
Model No.:R-772

M30302FEPFP : IC1024(SUB MICOM)

1. Pin Description



2. Block Diagram



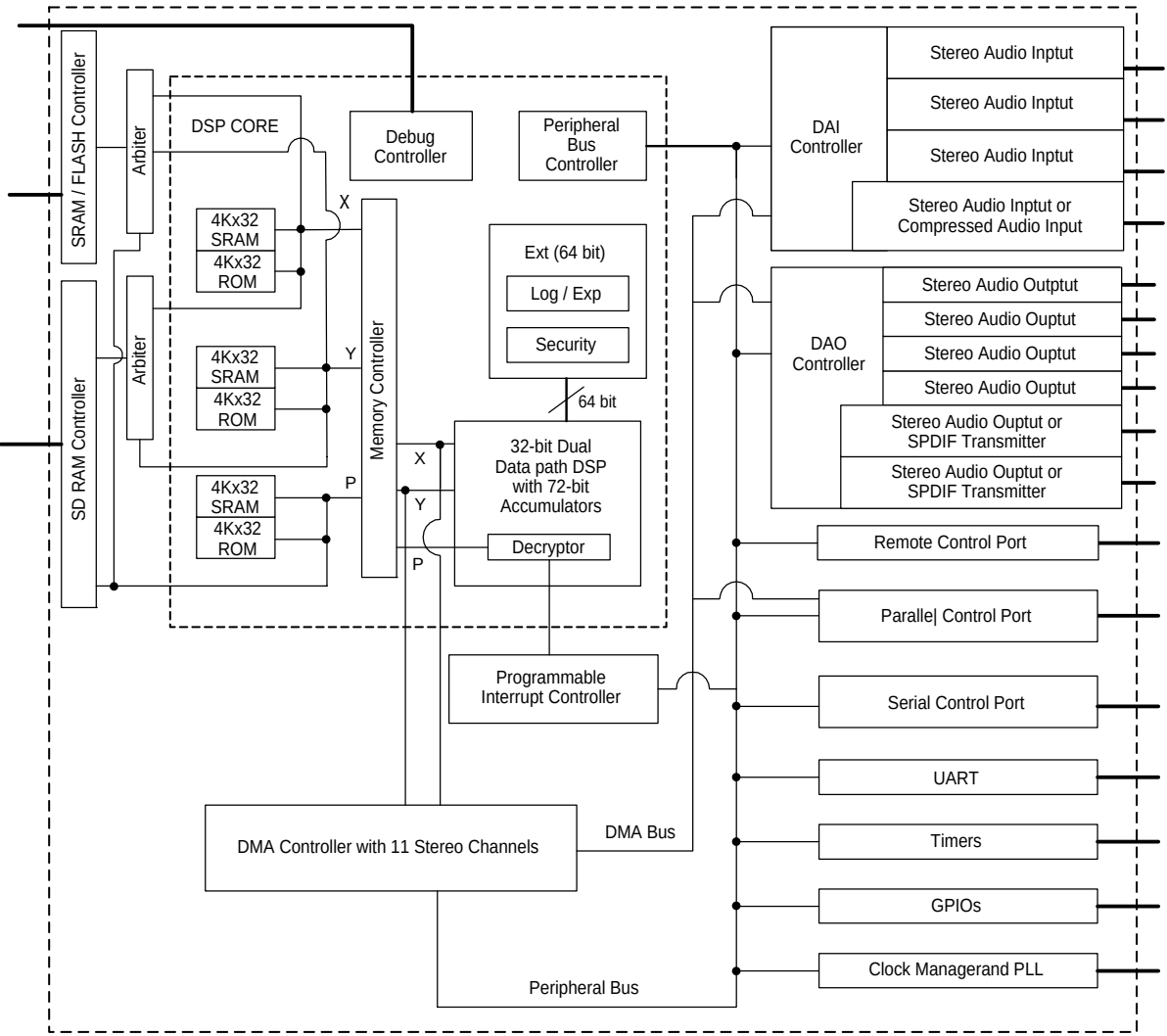
NOTES : 1. ROM size depends on microcomputer type.
2. RAM size depends on microcomputer type.

3. Pin Function

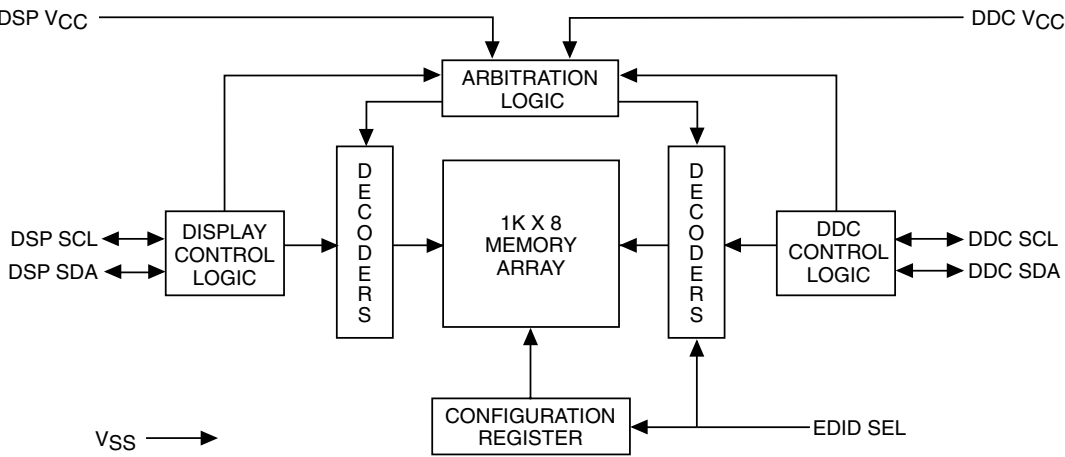
Pin No.	Symbol	Description
1	U_SUB_CE	Chip Enable (controlled by Main Micom)
2	U_SUB_CCLK	Serial control clock (controlled by Main Micom)
3	SUB_SDIN_U	Serial data input (controlled by Main Micom)
4	U_SUB_SDOU	Serial data output (controlled by Main Micom)
5	NC	GPIO P9_2
6	NC	GPIO P9_1
7	NC	GPIO P9_0
8	BITE	The data bus is 16 bits long when the this pin is held "L"
9	CNVSS_UP	Connect this pin to Vss to when after a reset to start up in single-chip mode. Connect this pin to Vcc1 to start up in microprocessor mode.
10	NC	GPIO P8_7
11	NC	GPIO P8_6
12	SUB_RST	Reset (controlled by Main Micom)
13	U_XTAL_OUT	I/O pin for the main clock generation circuit
14	CPU_GND	Vss
15	U_XTAL_IN	I/O pin for the main clock generation circuit
16	VCC1	VCC1 +3V3
17	NC	GPIO P8_5
18	SUB_PDN	Power Down Signal from Main Micom
19	U_XM_DAC_MUTE	XM DAC
20	U_XM_DAC_PDN	XM DAC Power Down
21	U_XM_DAC_CSN	XM DAC Cotrol Chip Selection
22	U_XM_DAC_CCLK	XM DAC Control Clock Output
23	U_XM_DAC_CDTI	XM DAC Control Clock Input
24	NC	GPIO P7_6
25	U_XM_COMMSEL	XM IC Communication Select
26	XM_IRQ_U	Interrupt Request from XM IC
27	U_XM_RST	XM Reset
28	NC	GPIO P7_2
29	NC	OPEN DRAIN
30	NC	OPEN DRAIN
31	RXD1_U	UART for UP GRADE
32	TXD1_U	UART for UP GRADE
33	NC	GPIO P6_5
34	NC	GPIO P6_4
35	XM_RX_U	XM Receiver
36	U_XM_TX	XM Transmitter
37	NC	GPIO P6_1
38	NC	GPIO P6_0
39	NC	GPIO P5_7
40	NC	GPIO P5_6
41	EPM_UP	UP GRADE
42	NC	GPIO P5_4
43	NC	GPIO P5_3
44	NC	GPIO P5_2
45	NC	GPIO P5_1
46	CE_UP	UP GRADE
47	U_HDMI_CSDA	HDMI I2C data
48	U_HDMI_CSCL	HDMI I2C clock
49	U_SIL9135_RST	SIL9135 Reset
50	SCDT_U	Indicates active video at HDMI input port

Pin No.	Symbol	Description
51	SIL9135_INT_U	SIL9135 Interrupt request
52	SIL9134_INT_U	SIL9134 Interrupt request
53	U_SIL9134_RST	SIL9134 Reset
54	U_PCA9546_RST	PCA9546 Reset
55	U_EDSCL	HDMI EDID Serial Clock
56	U_EDSDA	HDMI EDID Serial Data
57	U_ED_SEL2	HDMI EDID Select2
58	U_ED_SEL1	HDMI EDID Select1
59	U_HDMI2_HP	HDMI Input2 Hot Plug Detect
60	U_HDMI1_HP	HDMI Input1 Hot Plug Detect
61	NC	GPIO P3_1
62	VCC2	VCC2 +3V3
63	NC	GPIO P3_0
64	VSS	GND
65	NC	GPIO P2_7
66	U_DSP_RST	CS49700 Reset
67	U_SCP1_MOSI	CS49700 Serial Control Port for Master Output Slave Input
68	U_DSP_CE	CS49700 Chip Enable
69	SCP1_MISO_U	CS49700 Serial Control Port for Master Input Slave Output
70	U_DSP_SCLK	CS49700 Serial Control Clock
71	DSP_IRQ_U	Interrupt request from CS49700
72	DSP_BSY_U	BSY from CS49700
73	U_FLASH_RST	Output for Flash Reset
74	U_LVC257_CONT1	LVC257 Control output
75	U_LVC257_CONT	LVC257 Control output
76	U_RM2_DAC_PDN	Room2 dac(AK4385) power down
77	U_RM2_DAC_CSN	Room2 dac(AK4385) Chip enable
78	U_RM2_DAC_CCLK	Room2 dac(AK4385) Control Clock
79	U_RM2_DAC_CDTI	Room2 dac(AK4385) Control Data In
80	U_RM2_DAC_MUTE	Room2 dac(AK4385) audio output mute
81	U_VIR_RST	NJU26220 Reset
82	U_VIR_SCL	NJU26220 Serial Clock
83	U_VIR_SDA	NJU26220 Serial data
84	U_ADC_PDN	AK5381 Power down
85	NC	GPIO P0_3
86	NC	GPIO P0_2
87	NC	GPIO P0_1
88	CODEC_CDTO_U	AK4588 Control data output
89	U_CODEC_SCCLK	AK4588 Serial Control Clock
90	U_CODEC_SCDIN	AK4588 Serial Data In
91	U_CODEC_CS	AK4588 Chip Enable
92	U_CODEC_PD	AK4588 Power Down
93	CODEC_INT0_U	Interrupt request 0 from AK4588
94	CODEC_INT1_U	Interrupt request 1 from AK4588
95	U_DAC_MUTE	AK4588 Output Audio Mute
96	AVSS	GND
97	NC	GPIO P10_0
98	VREF	VCC1 +3V3
99	AVCC	VCC1 +3V3
100	NC	GPIO P9_7

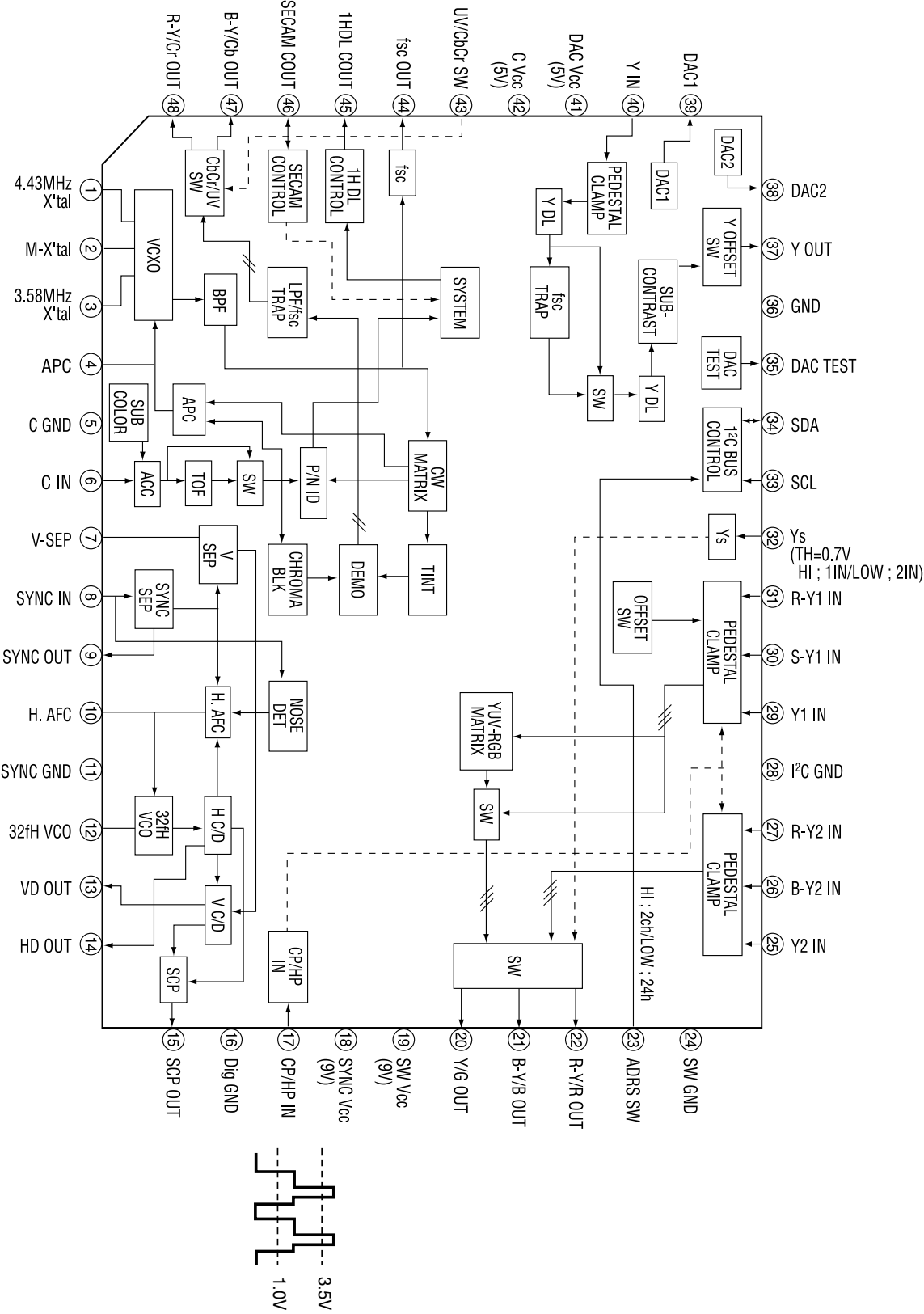
CS495313 : IC1005



CAT24C208 : IC1010, 1012



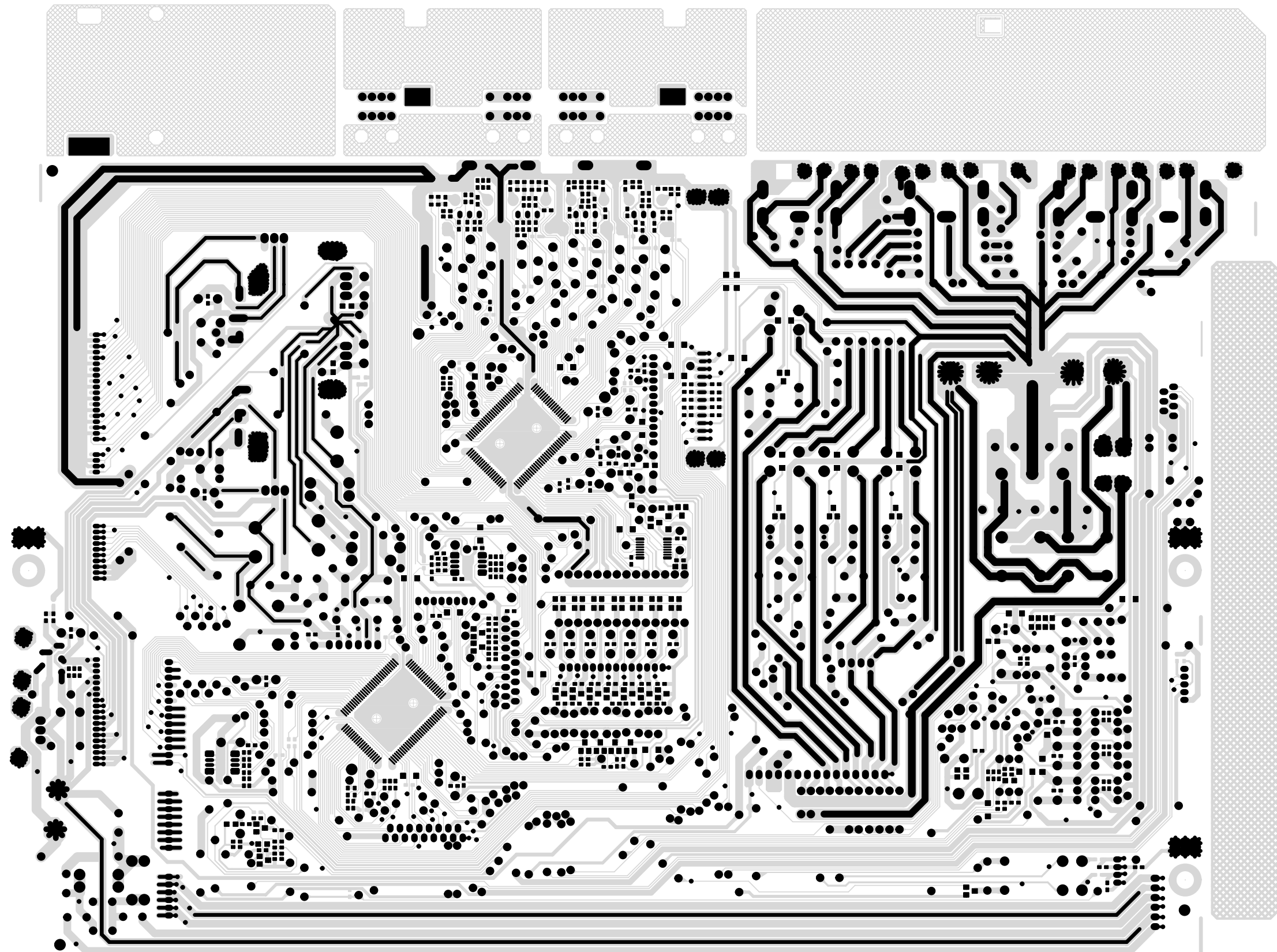
TA1270BF : IC504



Model No.:R-772

The image shows a detailed PCB layout for a radio receiver. The layout is divided into several sections, each containing different components and connectors. The top section features connectors for power and signal, with labels like JACK402, JACK401, and JACK403. The middle section contains various ICs, including IC401, IC402, IC403, and IC404, along with numerous resistors and capacitors. The bottom section features a large circular component, likely a speaker or a large capacitor, and a section labeled "FORMING HOLE". The layout is densely packed with components, and the board is labeled with various component values and pin numbers. The overall design is complex and detailed, typical of a professional PCB layout.

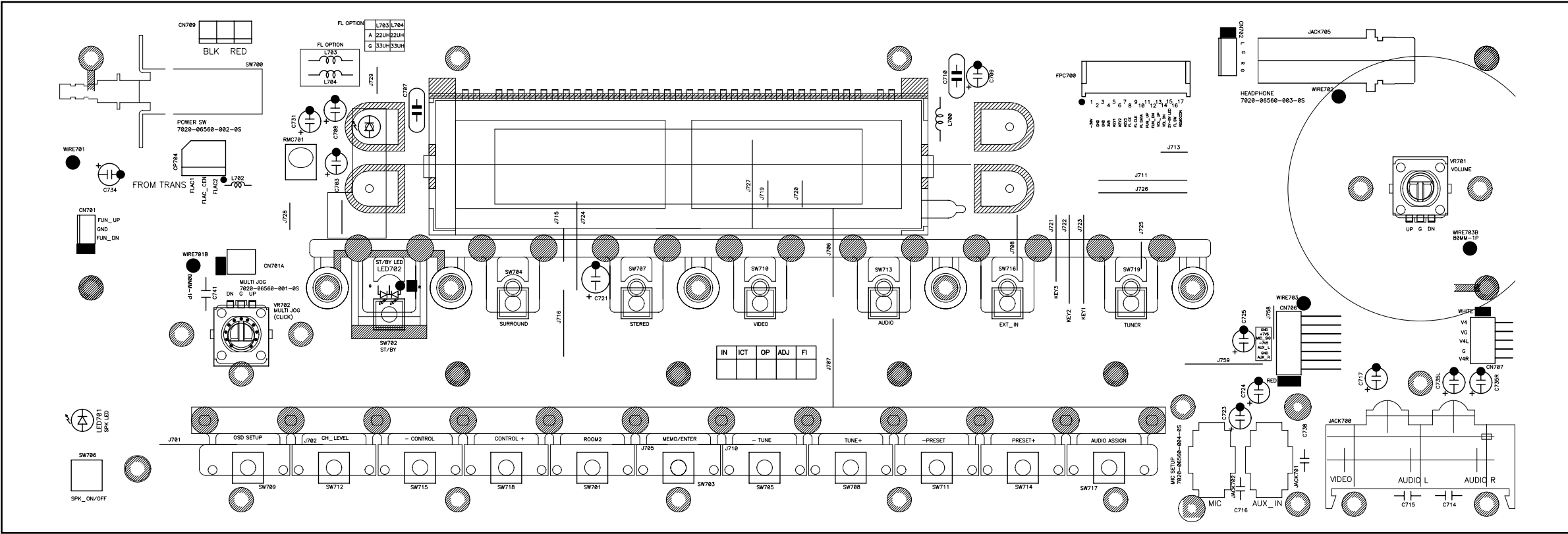
PCB1 (MAIN-BOTTOM)



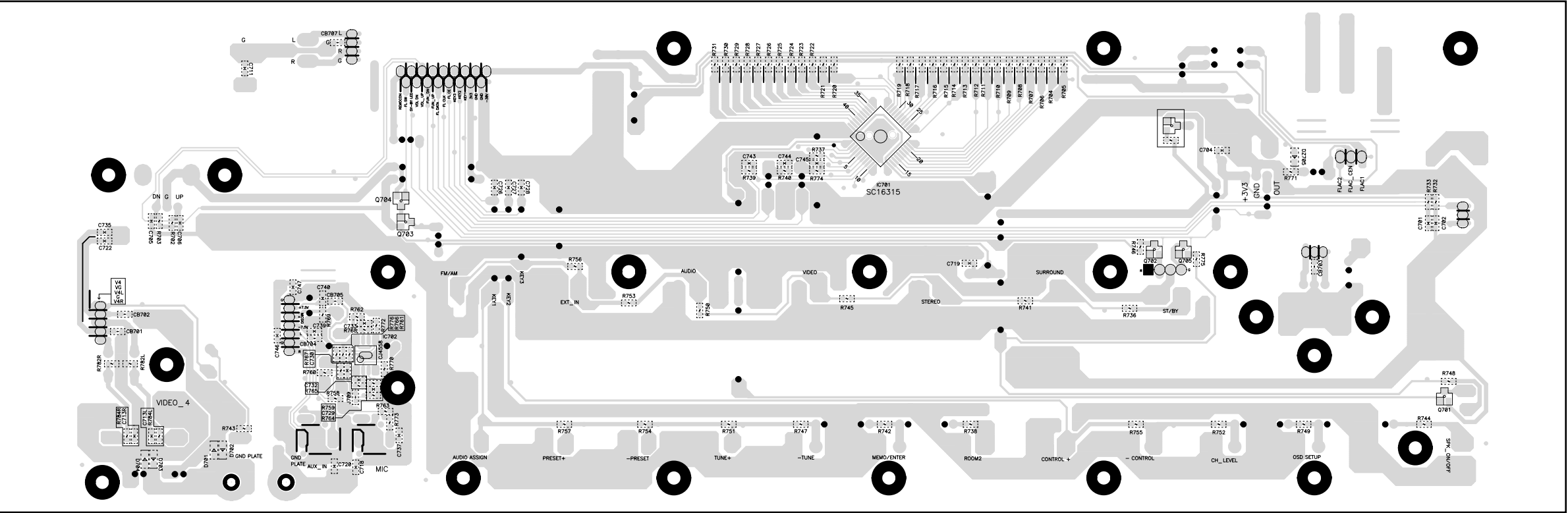
PRINTED CIRCUIT BOARDS (III)

Model No.:R-772

PCB2 (FRONT-TOP)



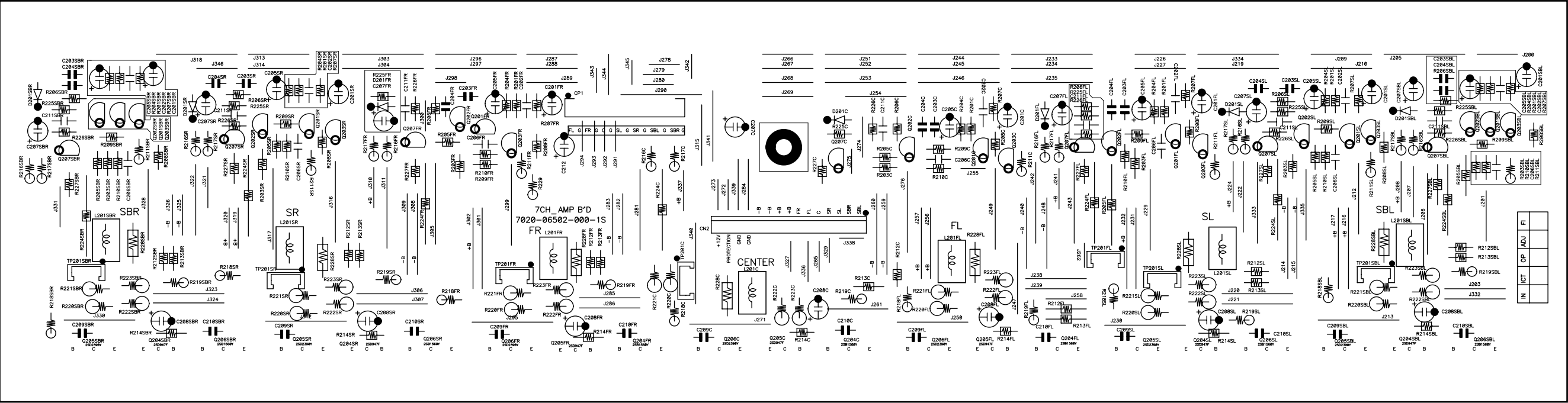
PCB2 (FRONT-BOTTOM)



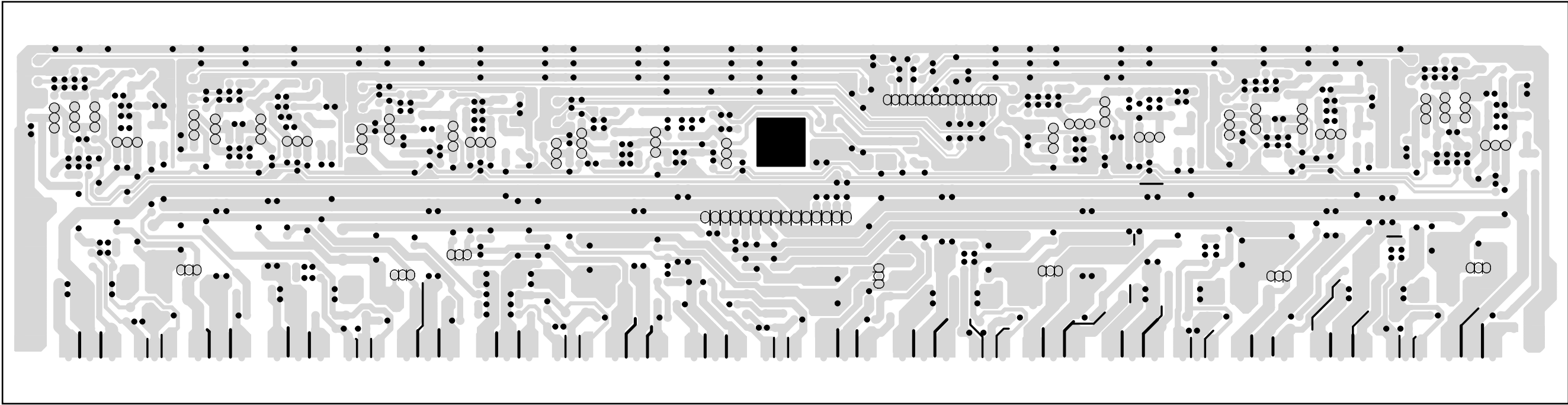
PRINTED CIRCUIT BOARDS (IV)

Model No.:R-772

PCB3 (AMP-TOP)



PCB3 (AMP-BOTTOM)

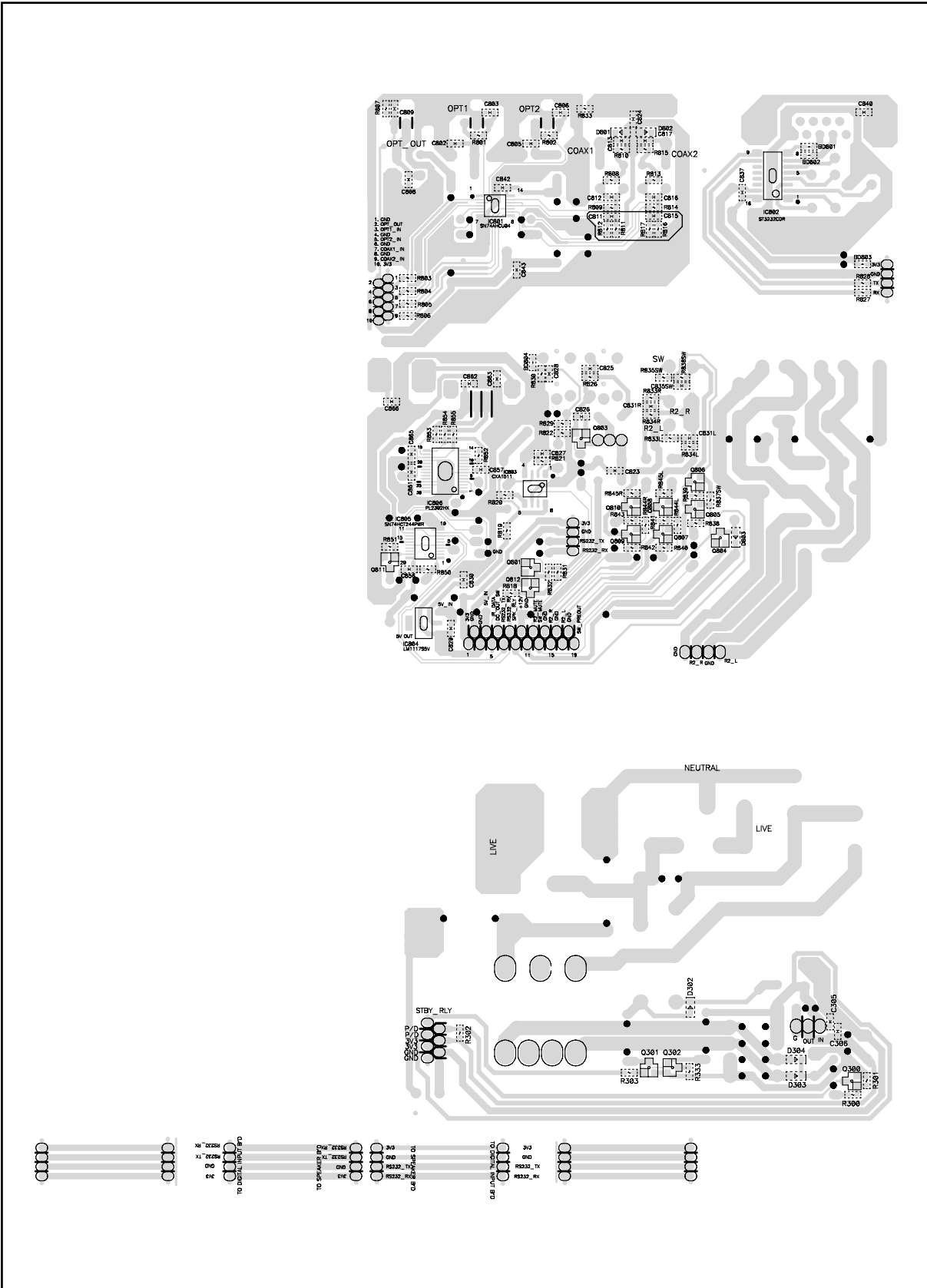
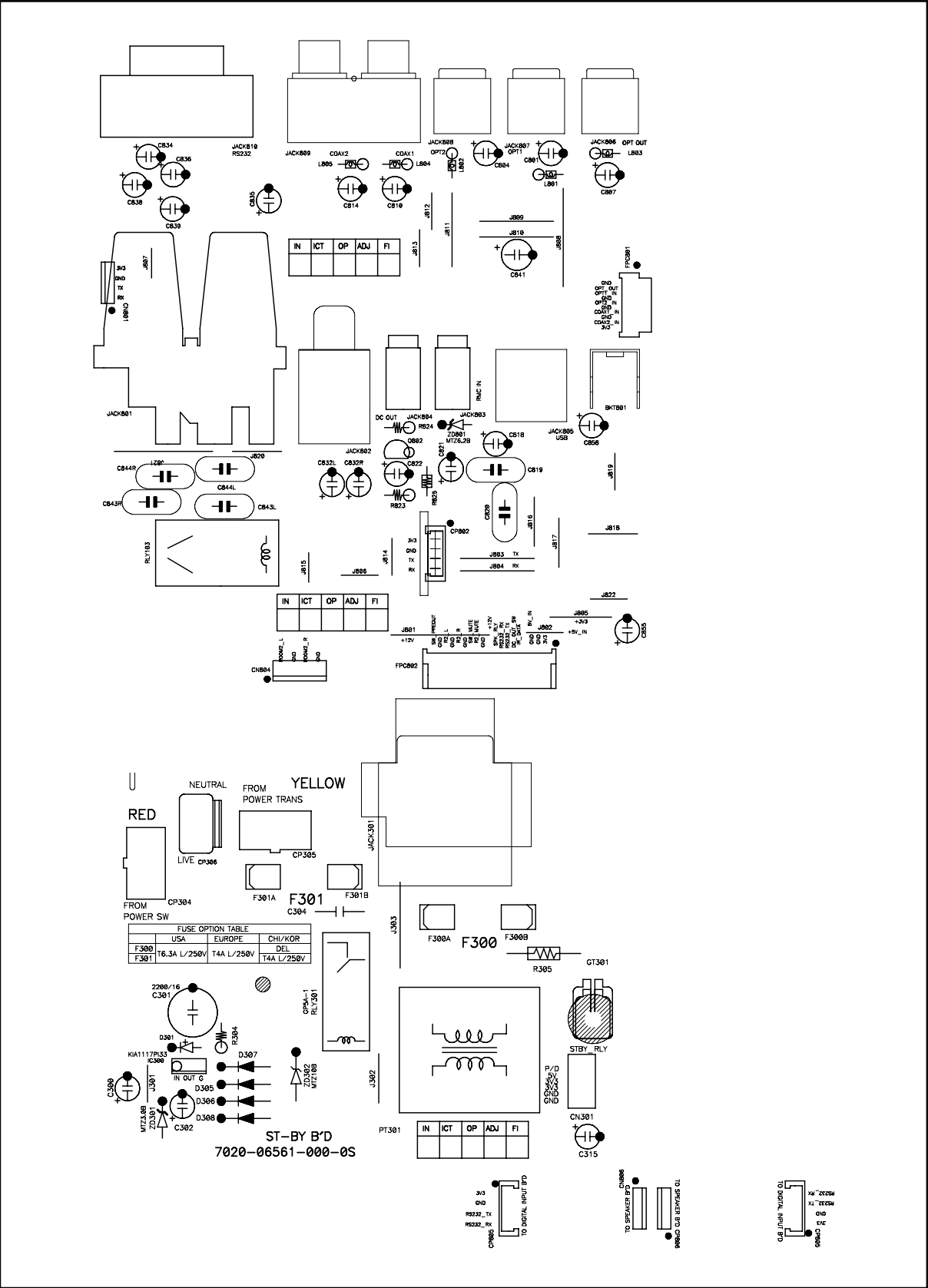


PRINTED CIRCUIT BOARDS (V)

Model No.:R-772

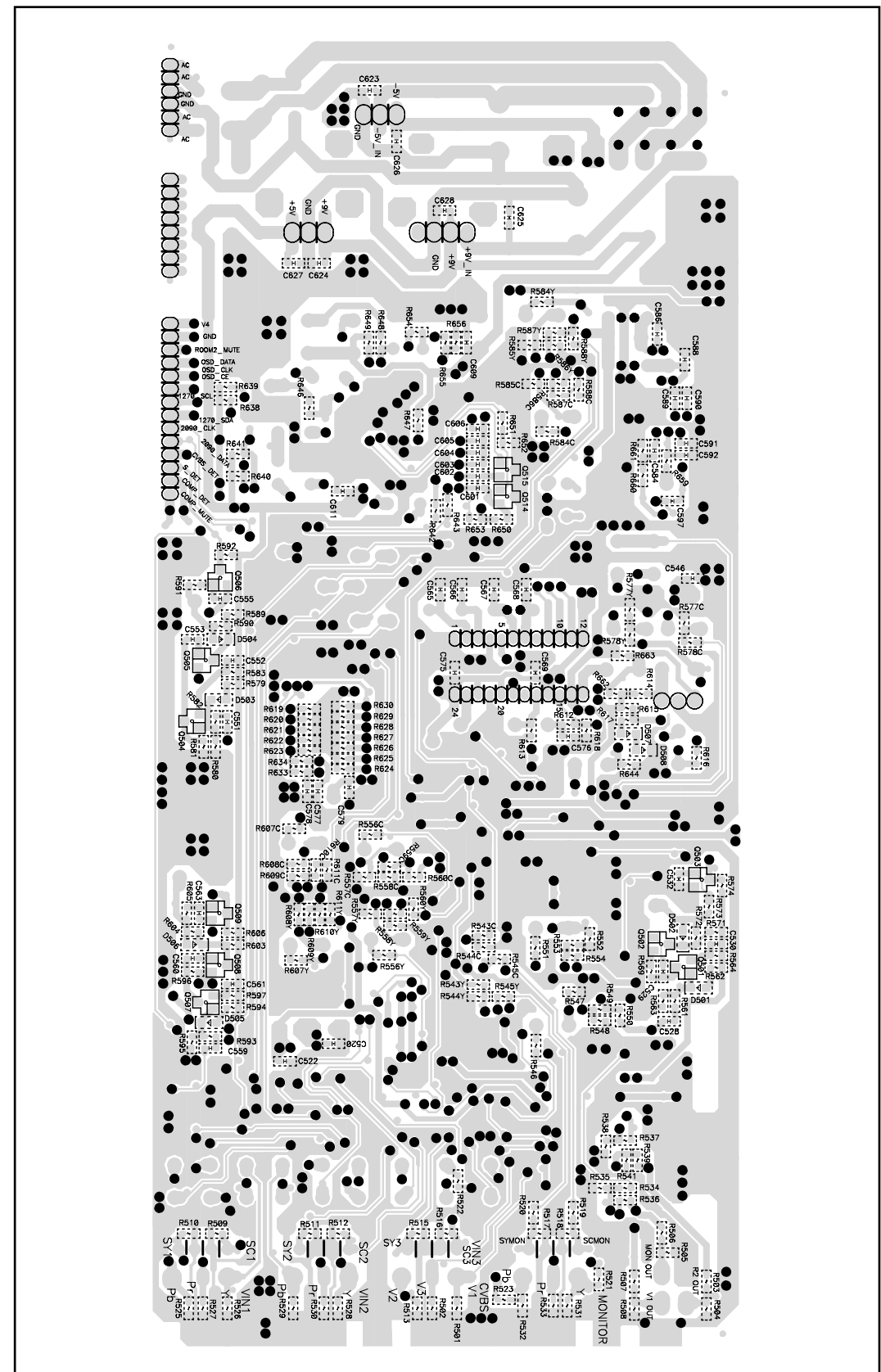
PCB4 (STAND BY-TOP)

PCB4 (STAND BY-BOTTOM)



Model No.:R-772

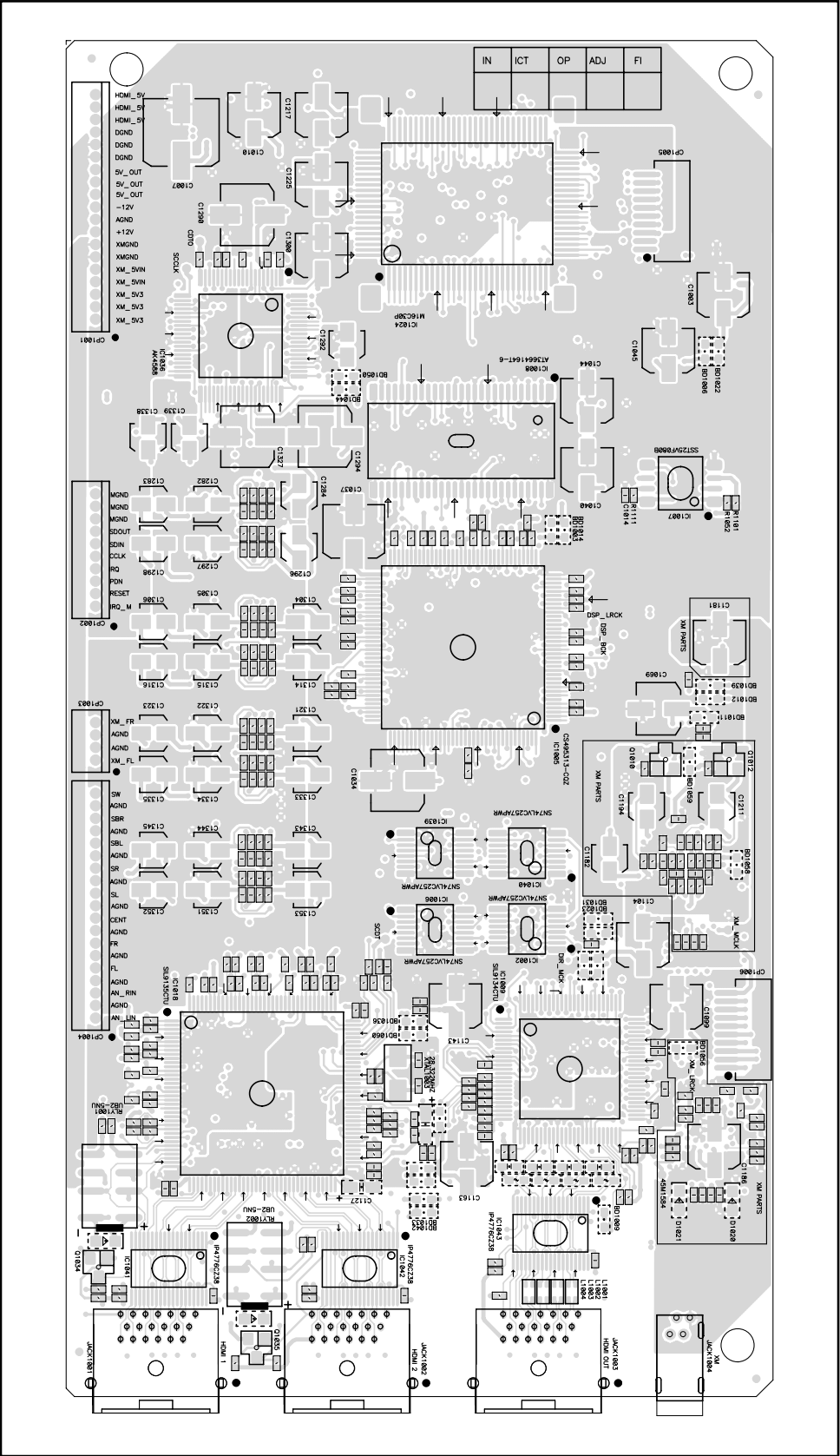
PCB5 (VIDEO-BOTTOM)



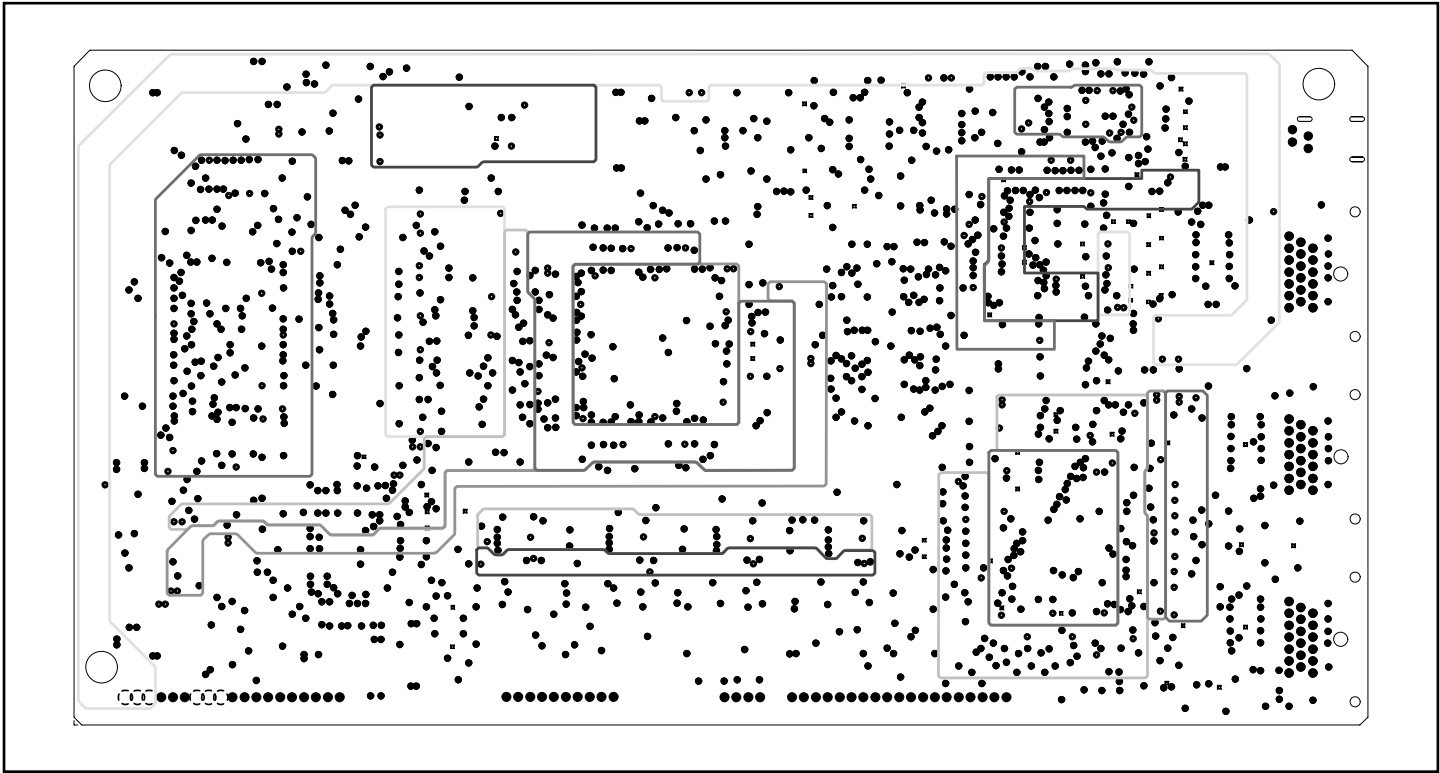
PRINTED CIRCUIT BOARDS (VII)

Model No.:R-772

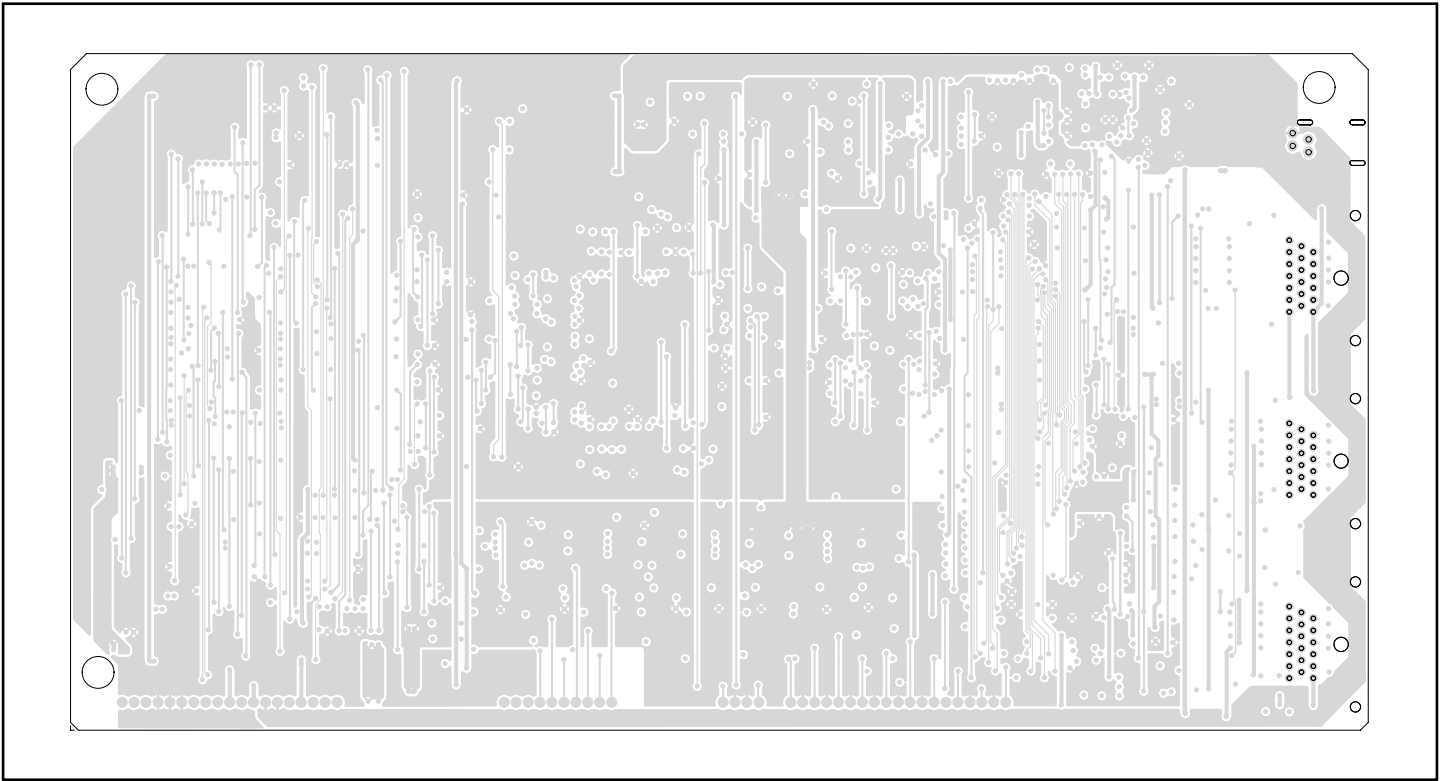
PCB6 HDMI MULTI LAYER - 1 LAYER (TOP)



PCB6 HDMI MULTI LAYER - 2 LAYER (VCC)



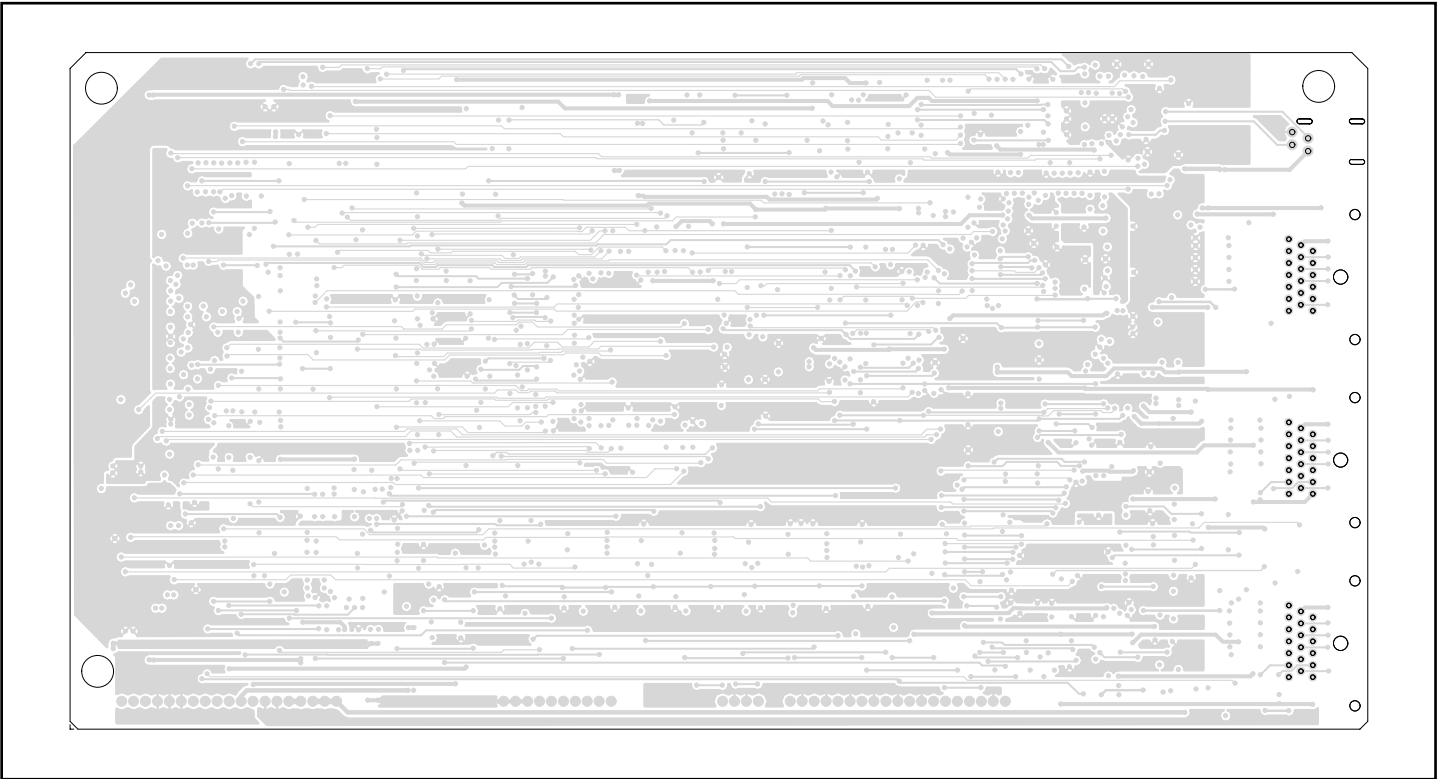
PCB6 HDMI MULTI LAYER - 3 LAYER (INTER1)



PRINTED CIRCUIT BOARDS (VIII)

Model No.:R-772

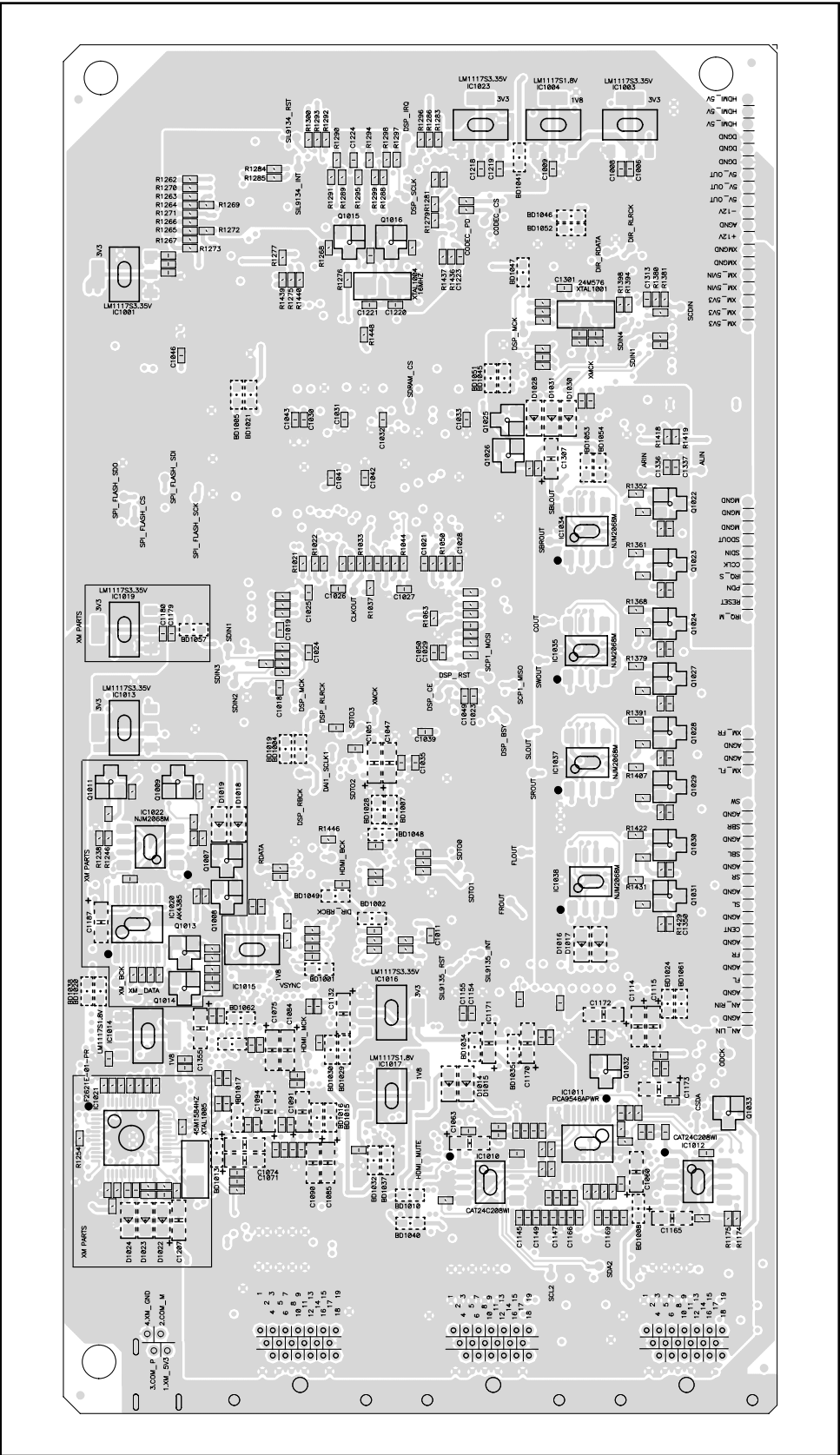
PCB6 HDMI MULTI LAYER - 4 LAYER (INTER2)



PCB6 HDMI MULTI LAYER - 5 LAYER (GND)

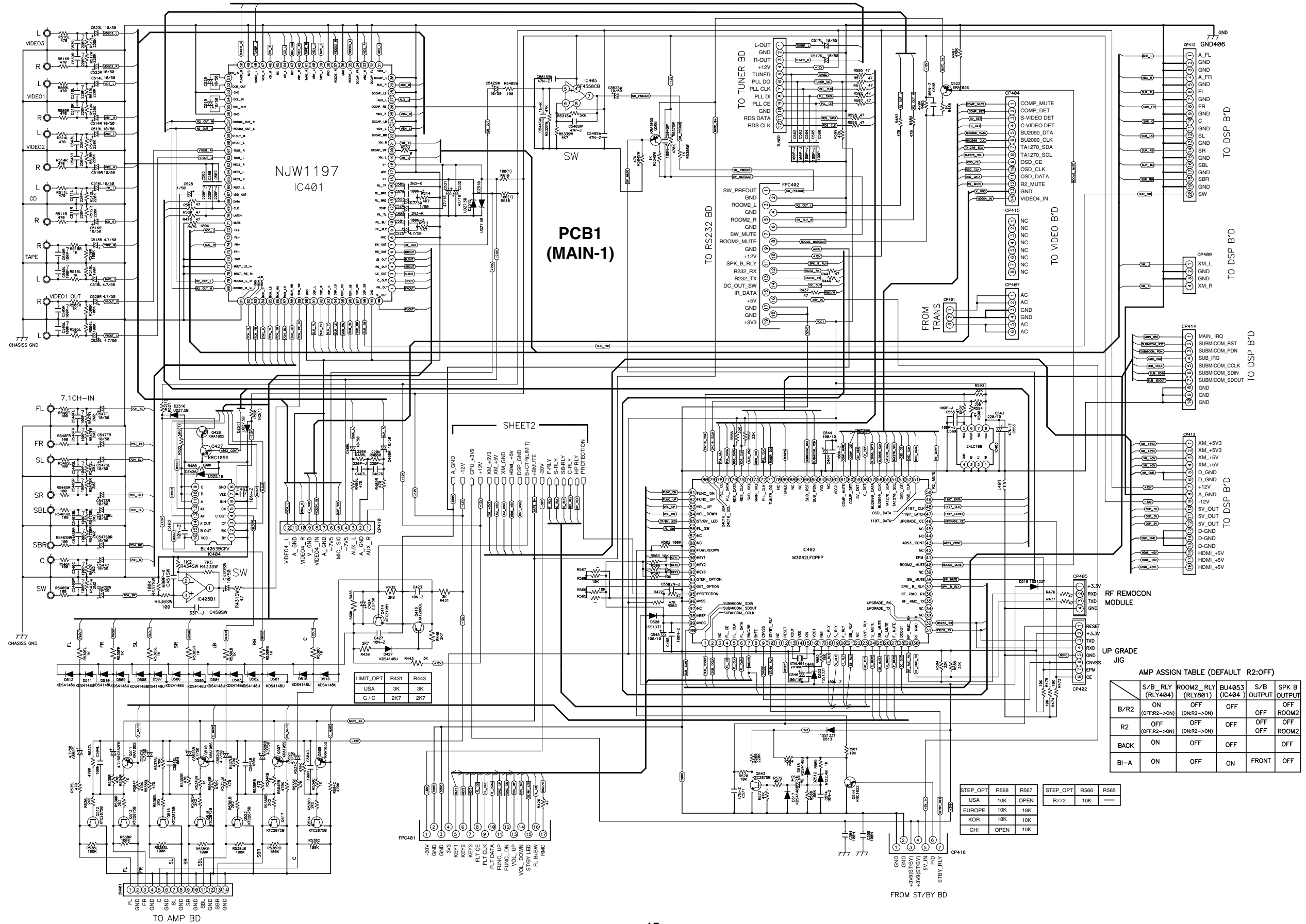


PCB6 HDMI MULTI LAYER - 6 LAYER (BOTTOM)



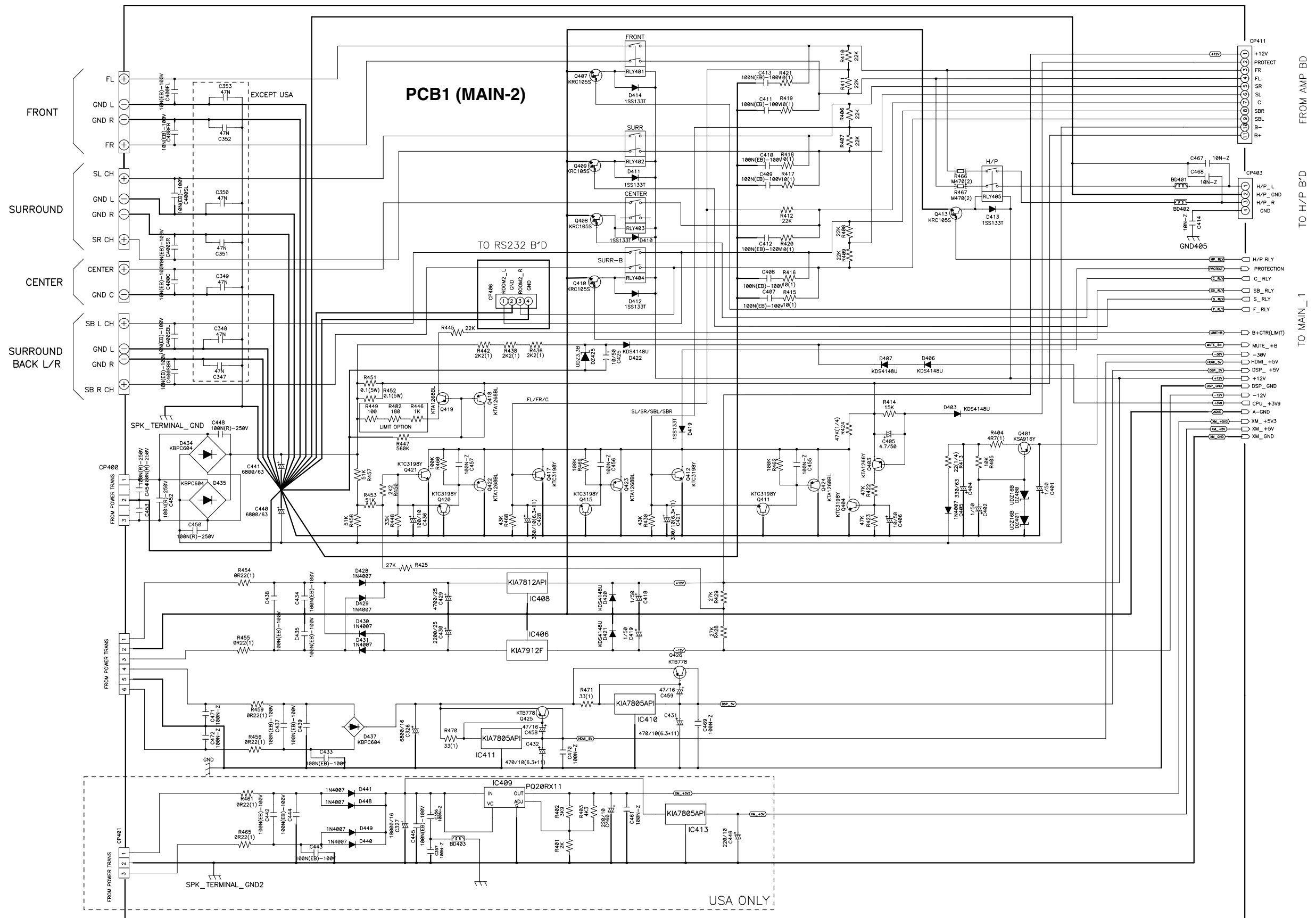
SCHEMATIC DIAGRAMS (I)

Model No.:R-772



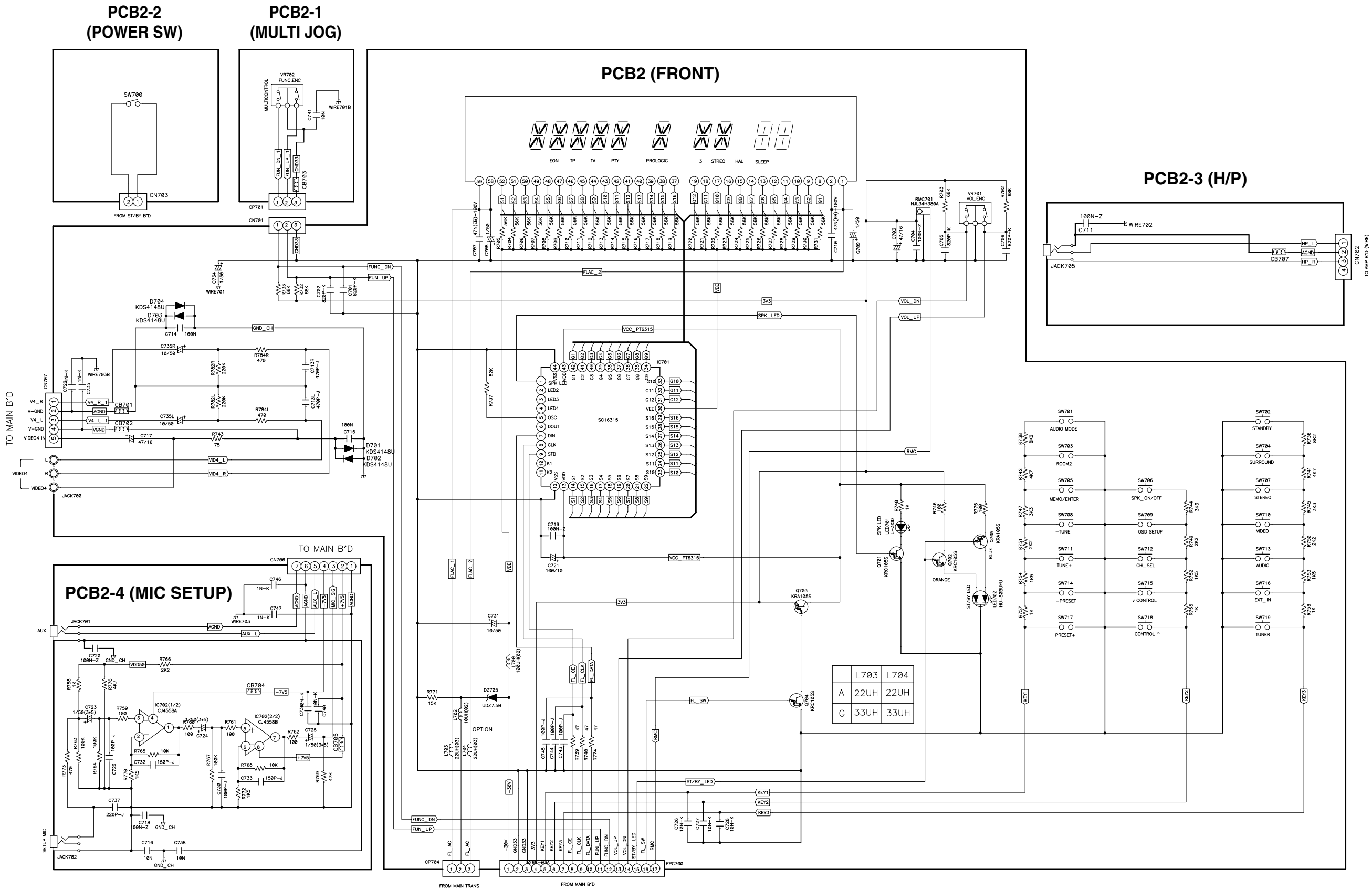
SCHEMATIC DIAGRAMS (II)

Model No.:R-772



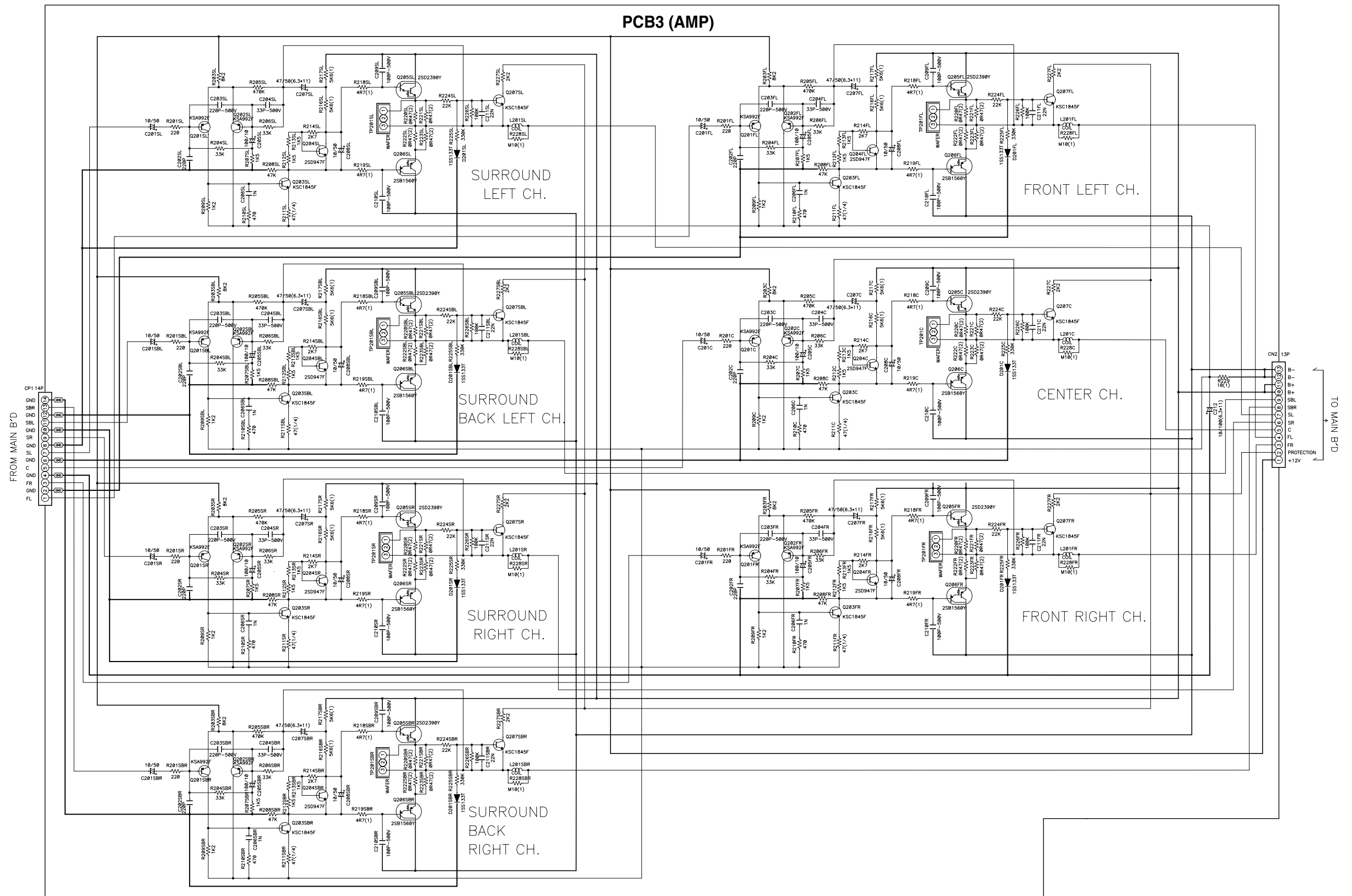
SCHEMATIC DIAGRAMS (III)

Model No.:R-772



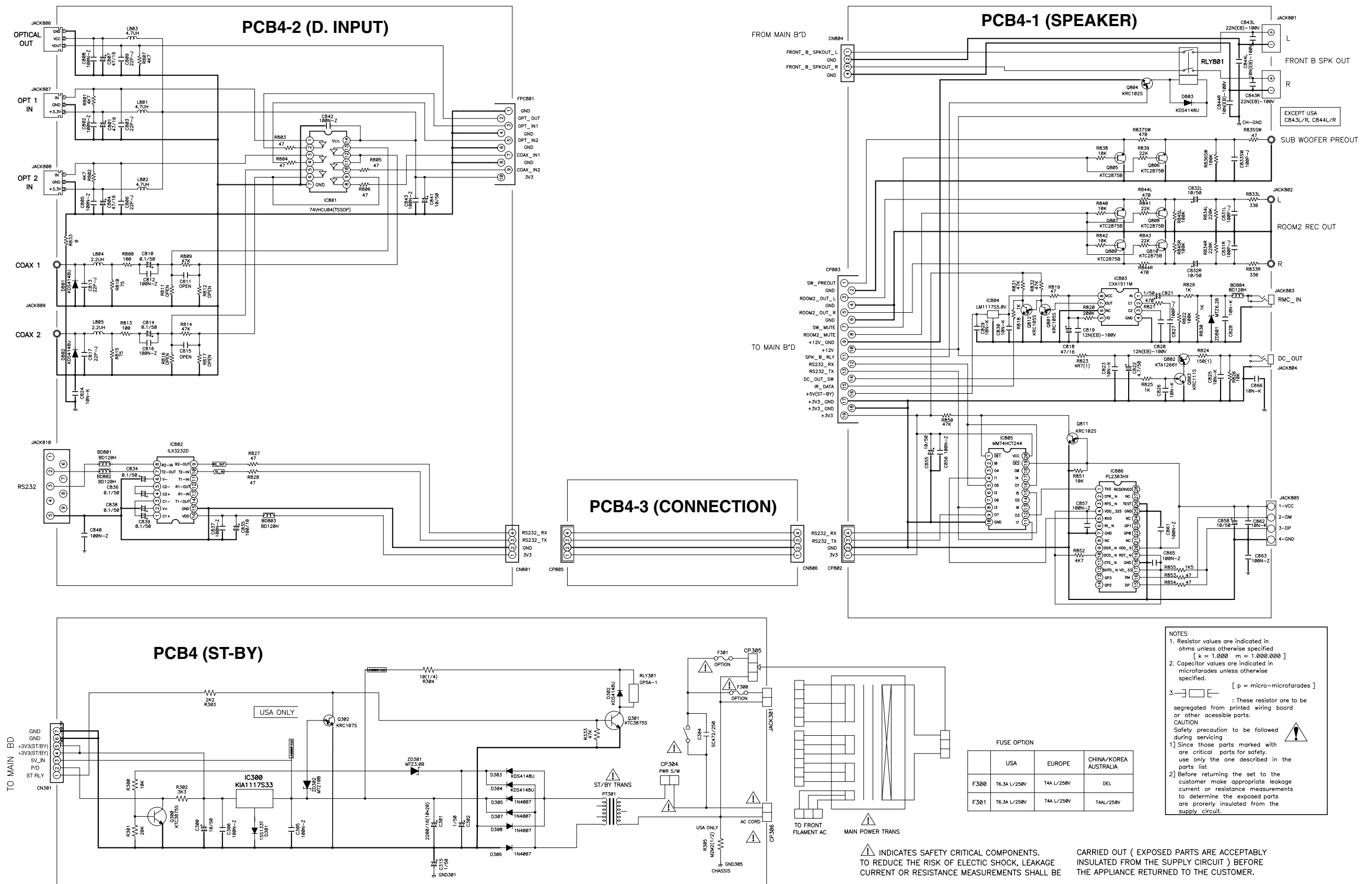
SCHEMATIC DIAGRAMS (IV)

Model No.:R-772



SCHEMATIC DIAGRAMS (V)

Model No.:R-772



PCB5 (VIDEO)

[illegible]

NTSC ONLY

CN501

FROM MAIN B'D

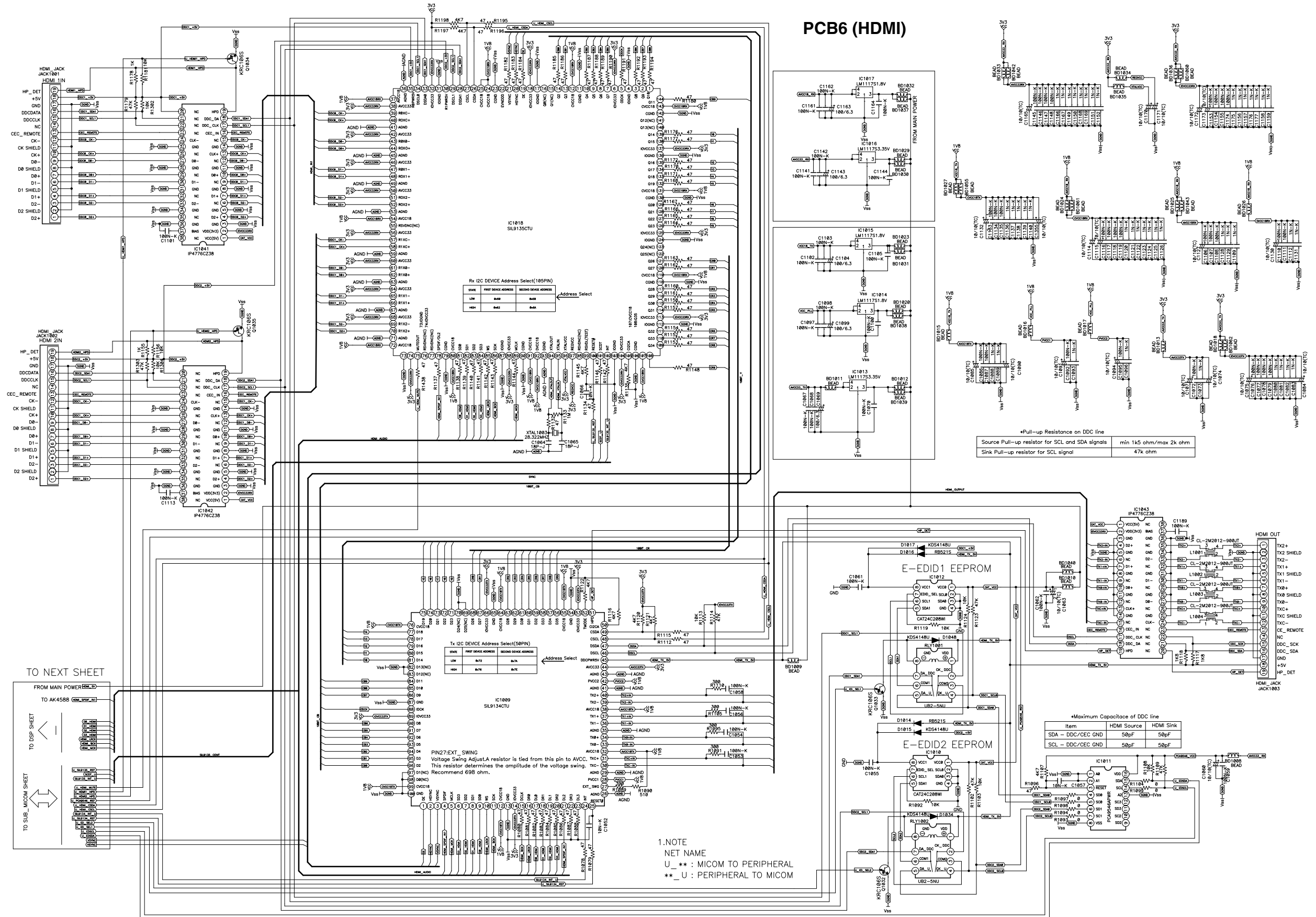
74HC4052		
A	B	OUTPUT
H	H	X3Y3
L	H	X2Y2
H	L	X1Y1
L	L	X0Y0

NJM2586M		
SW1	SW2	OUTPUT
H	H	IN3(UP)
H	L	IN2(V2)
L	H	IN1(V1)
L	L	IN1(V1)

74HC4053	
A/B/C	
H	X1/Y1/Z1
L	X0/Y0/Z0

SCHEMATIC DIAGRAMS (VII)

Model No.:R-772



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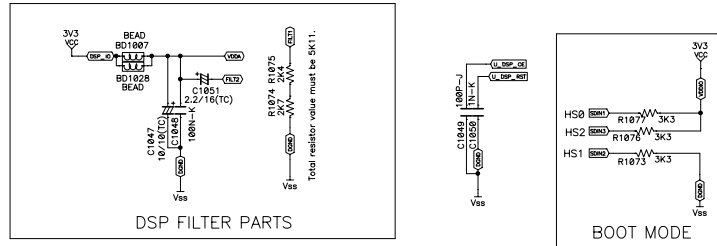
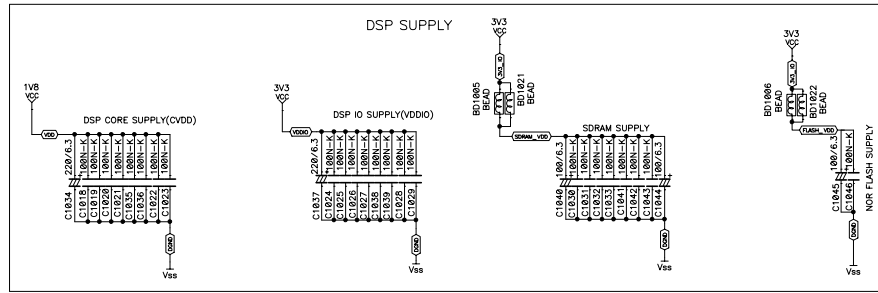
1.NOTE
  NET NAME
  U_** : MICOM TO PERIPHERAL
  **_U : PERIPHERAL TO MICOM

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SCHEMATIC DIAGRAMS (VIII)

Model No.:R-772

DSP



*Power supply current
Core and I/O operating:VDD-->500mA
PLL:VDDA -->10mA
External memory most ports:VDDIO -->120mA

1.NOTE
NET NAME
U_** : MICOM TO PERIPHERAL
**_U : PERIPHERAL TO MICOM

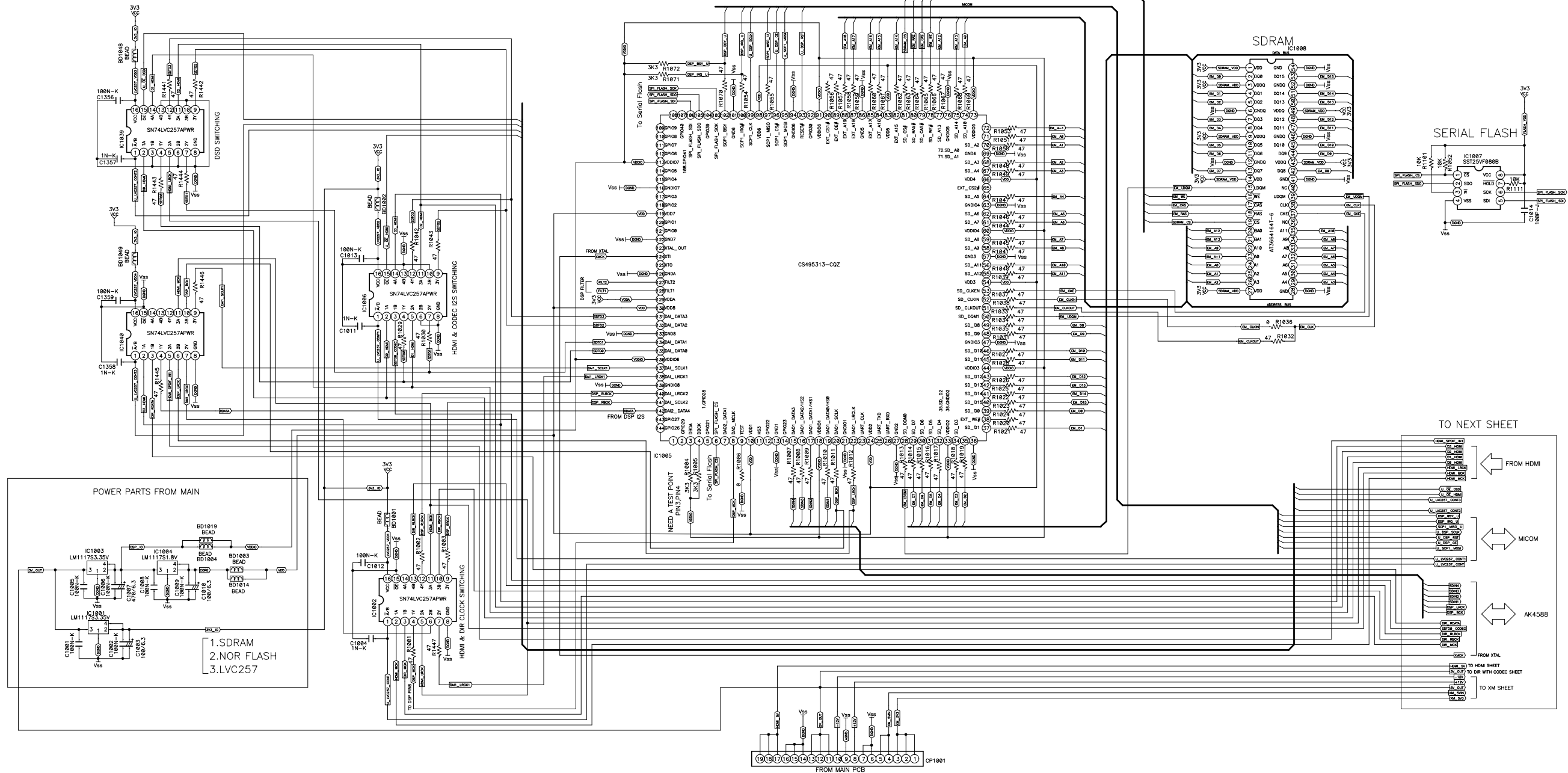
BOOT MODE

HS3 (PIN11)	HS2 (PIN16)	HS1 (PIN17)	HS0 (PIN19)	MODE
X	HIGH	LOW	HIGH	SLAVE SCP1 SPI

* SCP1_IRQ,SCP1_BSY:OD Port
Generally a 3K3 ohm resistor is recommended for open-drain and mode-select pins.
A 10K ohm resistor is sufficient for all other unused inputs.

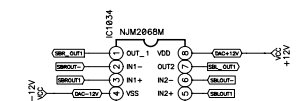
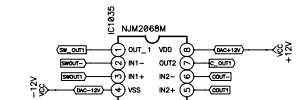
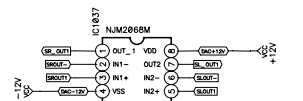
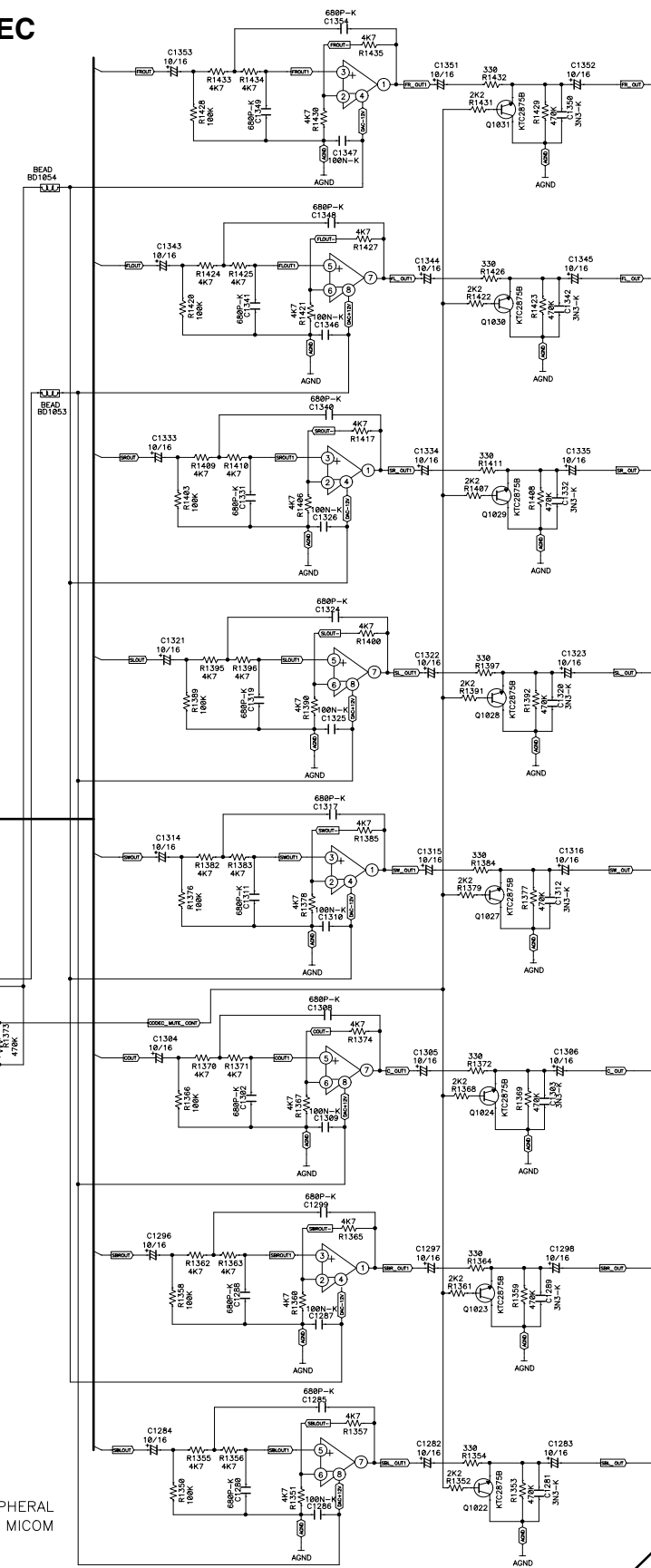
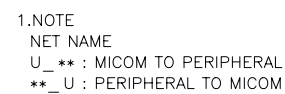
SN74LVC257APWR SWITCHING TABLE

A/B	IC1002	IC1006	IC1039	IC1040
LOW	HDMI CLOCK	D0–D3 HDMI	D0–D3 DSD	HDMI DATA
HIGH	DIR CLOCK	SDTO1	GND	DIR DATA



DIR WITH CODEC

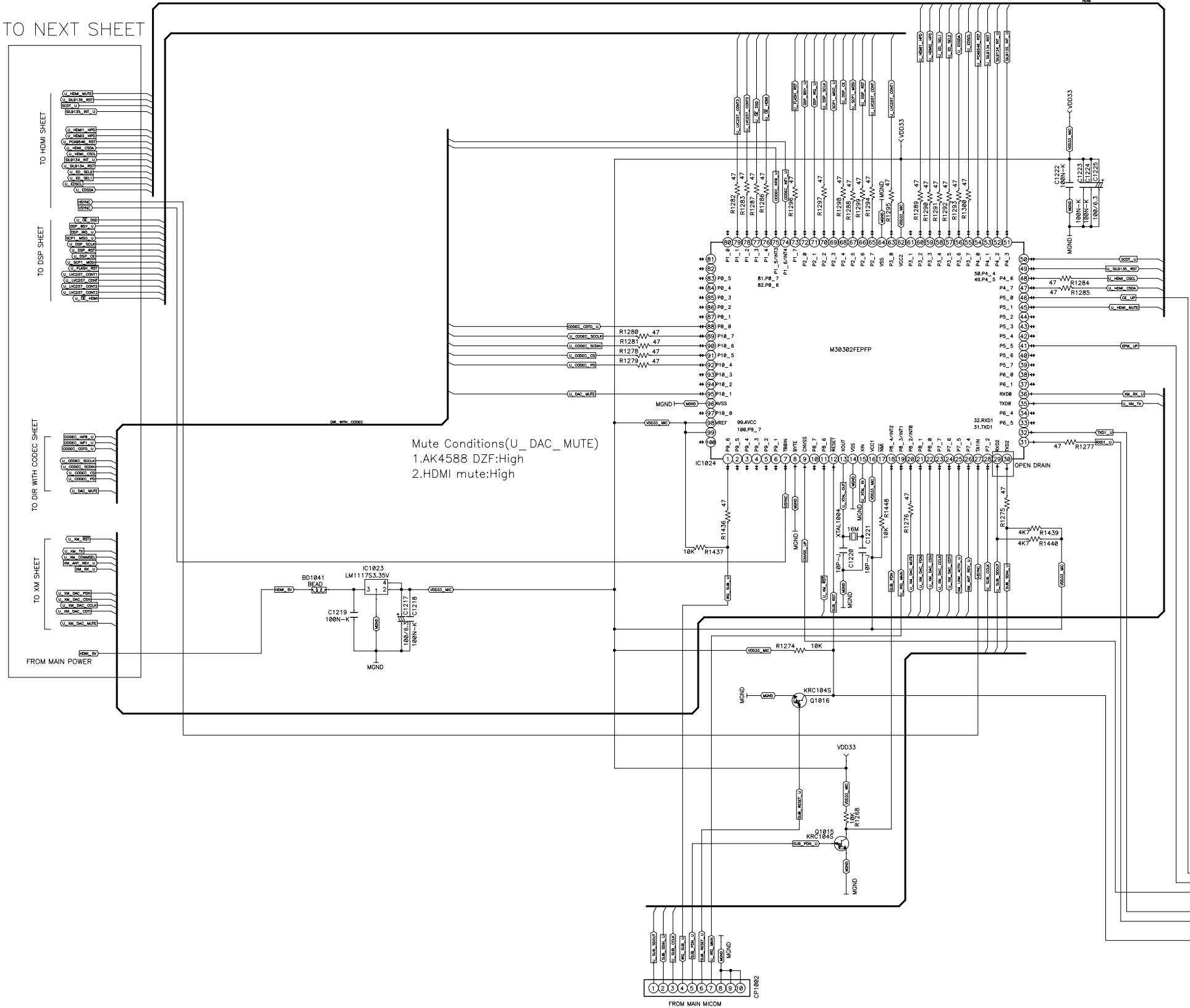
AUDIO INTERFACE TIMMING
MASTER MODE PIN32
PD:SLAVE MODE
PU:MASTER MODE



SCHEMATIC DIAGRAMS (X)

Model No.:R-772

SUB MICOM



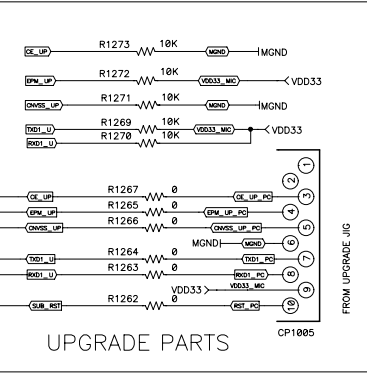
NMI :Connect via resistor to VCC1(pull-up)

CNVSS:Switches processor mode.
Connect this pin to VSS to when after a reset to start up in single-chip mode.
Connect this pin to VCC1 to start up in microprocessor mode.

BYTE:Switches the data bus in external memory space.
The data bus is 16 bits long when the this pin is held "L" and 8 bits long when the this pin is held "H".
Connect this pin to VSS when an single-chip mode.

- 1.NOTE
NET NAME
U_** : MICOM TO PERIPHERAL
**_U : PERIPHERAL TO MICOM
- 2.NOTE
VCC1=VCC2
Pin29 Pin30:Open-drain output pins.

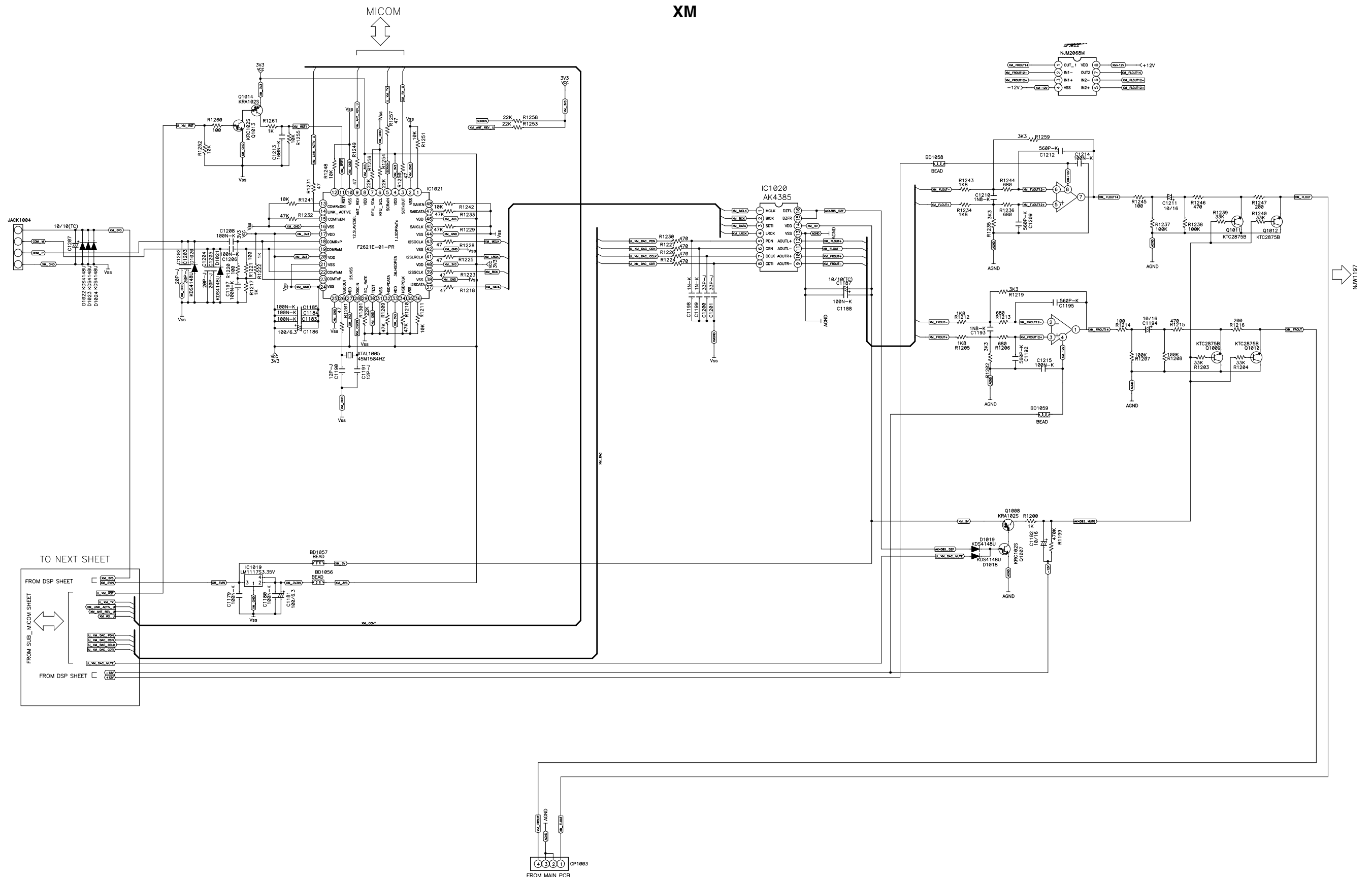
UPGRADE MODE		
PIN	PORT	STATUS
9	CNVSS	VCC1
12	RESET	VSS to VCC1
41	EPM	VSS
46	CE	VCC2
31	RXD1	—
32	TXD1	—



SCHEMATIC DIAGRAMS (XI)

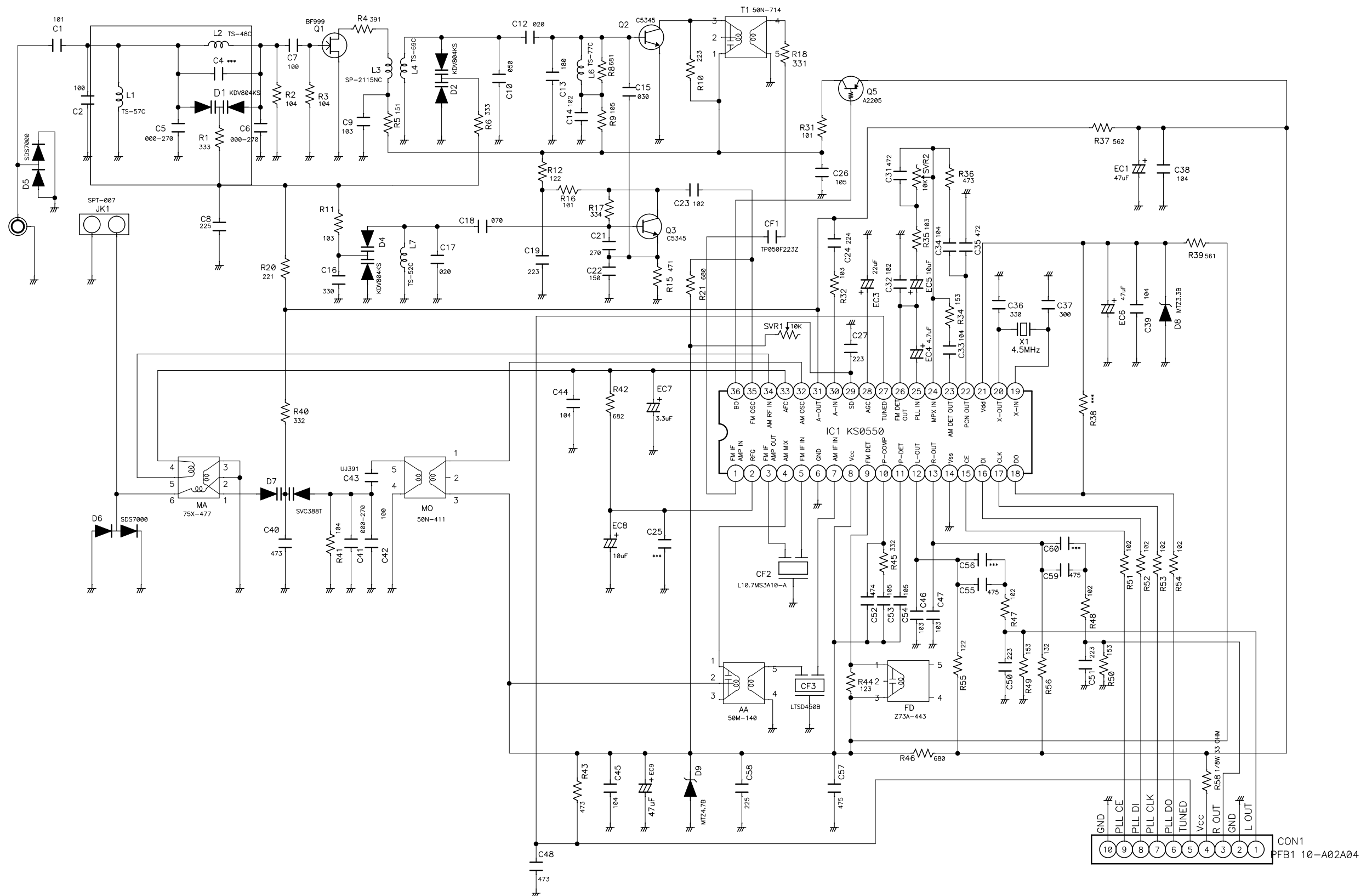
Model No.:R-772

XM



TUNER ASS'Y(A ONLY)

56



TUNER ASS'Y(RDS ONLY)

57

