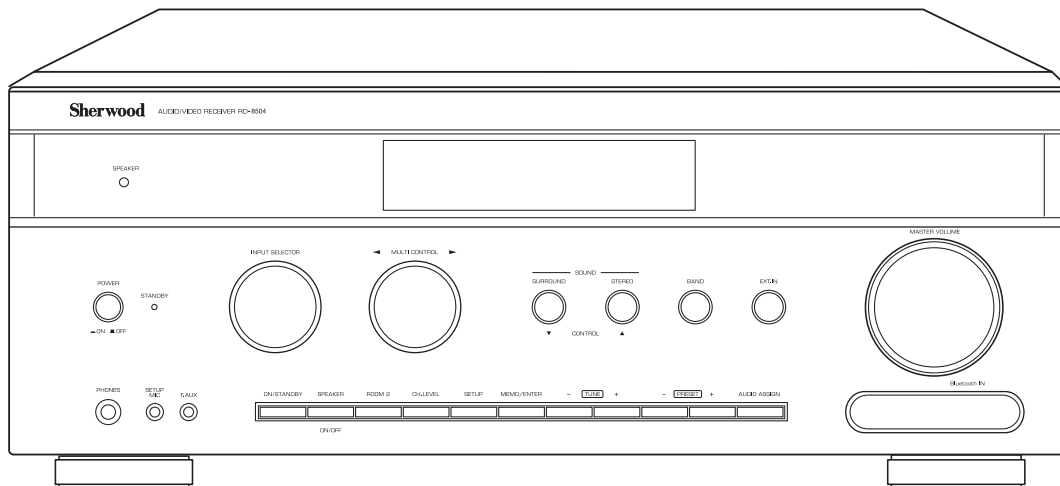


SERVICE MANUAL

RD-8504/R-774 AUDIO/VIDEO RECEIVER



■ CONTENTS ■

SAFETY PRECAUTIONS.....	2	TROUBLESHOOTING.....	33
SPECIFICATIONS.....	3	MECHANICAL PARTS LIST.....	36
TUNER SECTION.....	9	EXPLODED VIEW.....	38
ALIGNMENT PROCEDURES.....	11	ELECTRICAL PARTS LIST.....	39
BLOCK DIAGRAM.....	12	PRINTED CIRCUIT BOARDS.....	59
WIRING DIAGRAM.....	13	SCHEMATIC DIAGRAMS.....	68
CIRCUIT DESCRIPTION.....	14		

Sherwood

SAFETY PRECAUTIONS

WARNING

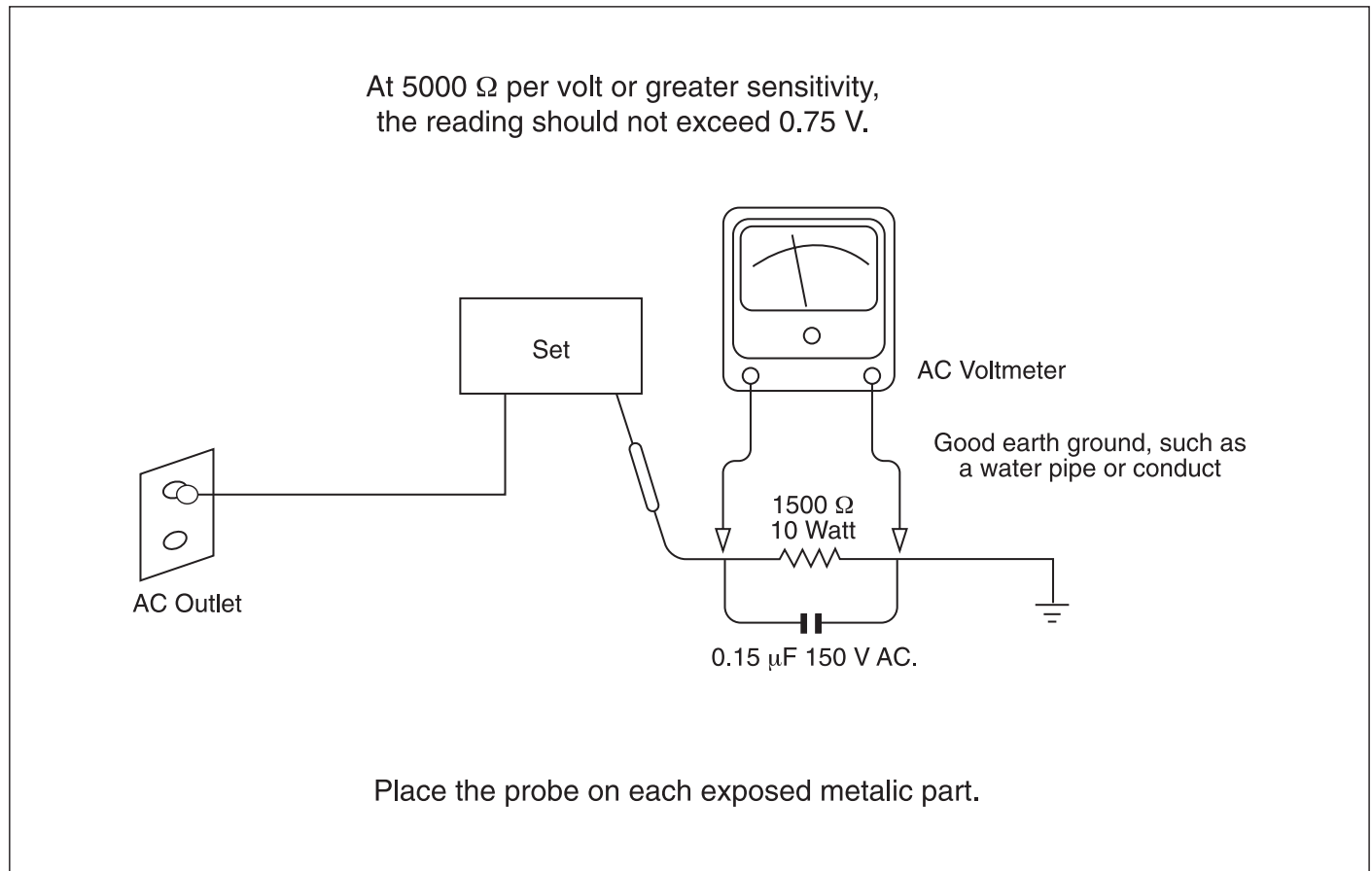
Before servicing this unit, familiarize yourself with the following precautions:

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 $\triangle$ 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 5000Ω per volt or greater. Then connect a 1500Ω 10 watt resistor, paralleled by a $0.15 \mu\text{F}$ 150 V AC capacitor, between a known good earth ground(such as a water pipe, or conduct) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of a 1500Ω resistor and a $0.15 \mu\text{F}$ 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 (G)

● 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	R/O-3dB	%	≤ 0.12	≤ 0.08
			20kHz	R/O-3dB	%	≤ 0.2	≤ 0.12
3	CONTINUOUS AVERAGE POWER at 1% THD (STEREO IN)	EXT IN INPUT	40Hz	6ohms	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	R/O-3dB	%	≤ 0.12	≤ 0.08
			20kHz	R/O-3dB	%	≤ 0.2	≤ 0.12
3	CONTINUOUS AVERAGE POWER at 1% THD (STEREO IN)	EXT IN INPUT	40Hz	6ohms	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	R/O-3dB	%	≤ 0.12	≤ 0.08
			20kHz	R/O-3dB	%	≤ 0.3	≤ 0.2
3	CONTINUOUS AVERAGE POWER at 1% THD (STEREO IN)	EXT IN INPUT	40Hz	6ohms	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 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	R/O-3dB	%	≤ 0.12	≤ 0.08
			20kHz	R/O-3dB	%	≤ 0.3	≤ 0.2
3	CONTINUOUS AVERAGE POWER at 1% THD (STEREO IN)	EXT IN INPUT	40Hz	6ohms	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

● 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

*EXT IN INPUT *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
			1kHz	VOL max.	mV		
4	TOTAL HARMONIC DISTORTION	CD(300mV)	40Hz	R/O-3dB	%	≤ 0.12	≤ 0.08
			1kHz	"	%	≤ 0.12	≤ 0.08
			20kHz	"	%	≤ 0.2	≤ 0.12
5	CONTINUOUS AVERAGE POWER at 1% THD	CD	40Hz	6ohms	W	85	90
			1kHz	"	W	95	100
			20kHz	"	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	1kHz	"	dB	≥ 60	≥ 65
			10kHz	"	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(300mV)	1kHz	R/O	V	3.0±1.0	3.0±0.5
12	CINEMA EQ (SPK: ALL YES, X-OVER:FULL RANGE)	CD(300mV)	10kHz	1W	dB	-4.5±1.5	-4.5±1

● IDLE VOLTAGE

*SPKR LEVEL:ALL 0dB *SPK SIZE:LLLY*EXT. IN

*TONE OFF(TONE DIRECT), *VOL : 60*TEST B'D : AMP

*TEST POINT : R221(FL,FR,SL,SR,C,SBL,SBR) BOTH SIDES VOLTAGE(DC)

NO	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	FL	-	-	R221FL	mV	2.7±0.5	2.7±0.7
2	FR	-	-	R221FR	mV	2.7±0.5	2.7±0.7
3	SL	-	-	R221SL	mV	2.7±0.5	2.7±0.7
4	SR	-	-	R221SR	mV	2.7±0.5	2.7±0.7
5	C	-	-	R221C	mV	2.7±0.5	2.7±0.7
6	SBL	-	-	R221SBL	mV	2.7±0.5	2.7±0.7
7	SBR	-	-	R224SBR	mV	2.7±0.5	2.7±0.7

● Sirius(U.S.A Only) SECTION

- INPUT : SIRIUS ANT

- SIRIUS PRODUCT MODE: AUDIO ASSIGN+POWER ON

- SPK(FL/FR) OUT , SIRIUS FUNCTION

NO	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL 1kHz, 0dB MASTER VOL.: MAX	SIRIUS	1 kHz		Vrms	≥ 7±0.5	≥ 7±0.8
2	T.H.D 1kHz, 0dB	SIRIUS	1 kHz	R/O-3dB	%	≤ 0.1	≤ 0.12
3	S/N RATIO, 1kHz, -20dB 1KHz ON(REF) -> OFF MASTER VOL.: MAX IHF-A FILTER	SIRIUS	1 kHz		dB	≥ 70	≥ 65

● **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	FRONT	1kHz	8 ,12	V	9.5±1	9.5±2
	Disc All CH 0dB	CENTER	1kHz	10	V	9.5±1	9.5±2
	SPK MODE:YES,BACK-NO	SURR	1kHz	14,16	V	9.5±1	9.5±2
	X-OVER:ALL FULL RANGE	S/W	30Hz	18	V	1.0±0.5	1.0±0.8
2	T.H.D	FRONT	1kHz	38	%	≤0.3	≤0.5
	Disc 0dB LPF(20KHZ)	CENTER	1kHz	38	%	≤0.3	≤0.5
	SPK MODE:YES,BACK-NO	SURR	1kHz	38	%	≤0.3	≤0.5
	X-OVER:ALL FULL RANGE	S/W	30Hz	18	%	≤0.25	≤0.3
3	S/N	FRONT	1k Hz	6	dB	≥65	≥60
	LPF(20KHz)	CENTER	1k Hz	6	dB	≥65	≥60
	JIS-A FILTER,Disc -20dB	SURR	1kHz	6	dB	≥65	≥60
	SPK MODE:YES,BACK-NO	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	1k Hz	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	1k Hz	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 POSITION : 55dB

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

NO	DESCRIPTION	INPUT	FREQ.	TRACK	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL Disc : DOLBY-EX -23dB YES,BACK - L → 2CH	BC	1kHz	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	1kHz	STOP	dB	≥65	≥60

● **DTS INPUT SECTION**

- INPUT : COAXIAL, CD DIGITAL

- SURROUND MODE : DTS

- VOLUME POSITION : 55dB

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

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

● **VIDEO SECTION**

- Load : Video output 75 ohm
- TEST INSTRUMENT : SCOPE,VN30A1
- DISC : TDV - 540 TEST DISC (ABEX)
- MEASUREMENT POSITION : AT MONITOR OUT

(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 SC Trap ON					
	Color S/N (VN30A1) *ALC:OFF *RANGE:AUTO *BOTH	HPF 10kHz LPF 500kHz	MAGENTA TITLE2 CHAP.17	AM	dB	≥ 40	≥ 45
				PM	dB	≥ 40	≥ 45

(2) 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

(3) 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

● FM SECTION

Measuring methods in conformity with IEC standard 315

Measurements condition FM : Ref. frequency = (98.1MHz), Audio frequency = 1kHz

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

Filter = B.P.F at STEREO and MONO MOD : 75kHz(Mono) / 67.5kHz±7.5kHz(ST)

Test Point: TP1 = 90.1MHz, TP2 = 98.1MHz , TP3 = 106.1MHz (100kHz STEP(A), 50kHz STEP(RDS))

NO	DESCRIPTION		UNIT	SPEC	
				NOMI.	LIMIT
1	TUNING COVER RANGE	LOW ~ HIGH	MHz	87.5~108	
	STEP (A) (RDS)	AUTO/MANUAL	kHz	100 / 100	
		AUTO/MANUAL	kHz	50 / 50	
2	USABLE SENSITIVITY S/N = 30dB (A) S/N = 26dB (RDS)	TP 1	dBu	≤ 12	≤ 15
		TP 2	dBu	≤ 12	≤ 15
		TP 3	dBu	≤ 12	≤ 15
3	AUTO STOP LEVEL		dBu	25±6	25±8
4	S/N RATIO IHF "A"	MONO	dBu	≥ 55	≥ 50
		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 SEPARATION (MAIN 90%,PILOT 10%) EXT 19KHz FILTER	250Hz	dBu	≥ 30	≥ 25
		1kHz	dBu	≥ 30	≥ 25
		6.3kHz	dBu	≥ 20	≥ 15
8	FREQUENCY RESPONSE(75us(A), 50us(RDS), -3dB)	TP 2	Hz	60~8k	70~7k
9	IF REJECTION (A) (RDS)	TP 1	dB	≥ 65	≥ 60
				≥ 75	≥ 70
10	IMAGE REJECTION (A) (RDS)	TP 3	dB	≥ 20	≥ 18
				≥ 75	≥ 70
11	AM SUPRESSION (AT AM 30% 1kHz)		dB	≥ 40	≥ 35
12	OUPUT LEVEL(MONO) (A) (RDS)	TP 2	mVrms	500±100	500±150
				280±100	280±150
13	RDS SENSITIVITY	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 TP 1 = (600)kHz , TP 2 = (1000)kHz, TP 3 = (1400)kHz (A)

MW TP 1 = (594)kHz , TP 2 = (999)kHz , TP 3 = (1404)kHz (RDS)

NO	DESCRIPTION		UNIT	SPEC	
				NOMI.	LIMIT
1	TUNING COVER RANGE (A) (RDS)	LOW-HIGH MW	kHz	520~1710	
		LOW-HIGH MW	kHz	522~1611	
	STEP (A) (RDS)	AUTO/MANUAL	kHz	10 / 10	
		AUTO/MANUAL	kHz	9 / 9	
2	USABLE SENSITIVITY S/N = 20dB	TP 1	dBu/m	≤ 63	≤ 65
		TP 2	dBu/m	≤ 63	≤ 65
		TP 3	dBu/m	≤ 63	≤ 65
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 100 dBu/m ,80% MOD	TP 2	%	≤ 3	≤ 5
6	FREQUENCY RESPONSE (at 74dBu/m, 400Hz)-NO FILTER	AT-6dB	HZ	80~2K	100~1.8K
7	SELECTIVITY AT SN: 20dB, ±10kHz(A) / ±9kHz(RDS)	TP 2		≥ 23	≥ 20
8	AGC FIGURE OF MERIT (at100dBu/m)	TP 2	dB	≥ 50	≥ 40
9	IMAGE REJECTION	TP 3	dB	≥ 28	≥ 25
10	WHISTLE MODULATION (74dBu/m,900kHz)	2IF	%	≤ 10	≤ 15
11	TUNED LEVEL 1000kHz(A) / 999kHz(RDS)		dBu/m	55±10	55±15
12	AUTO STOP LEVEL	1000kHz(A)	dBu/m	55±10	55±15
		999kHz(RDS)	dBu/m	55±10	55±15
131	OUTPUT LEVEL 74dBu/m, (30)% MOD		mV rms	200±100	200±150

ALIGNMENT PROCEDURES

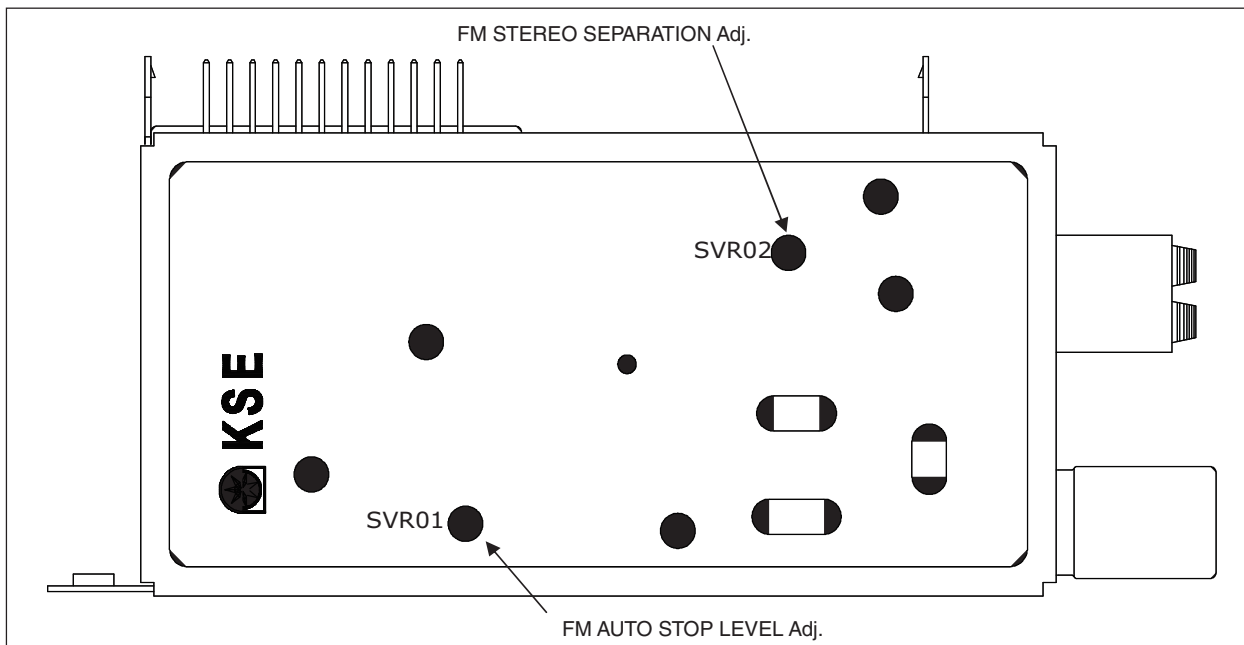
1. Electrical specification

NO.	ITEMS	SPECIFICATION	
		M W	F M
1-1	Local OSC	Above the receiving Frequency	
1-2	Frequency cover range	522 ~1620kHz	87.5 ~ 108.0MHz
1-3	Standard supply voltage	12.0(±0.5V)	
1-4	FM Antenna input Impedance	75 ohm	
1-5	AM Loop Antenna	9.5uH (1kHz) : S0160BL-25	

2. Electrical characteristics

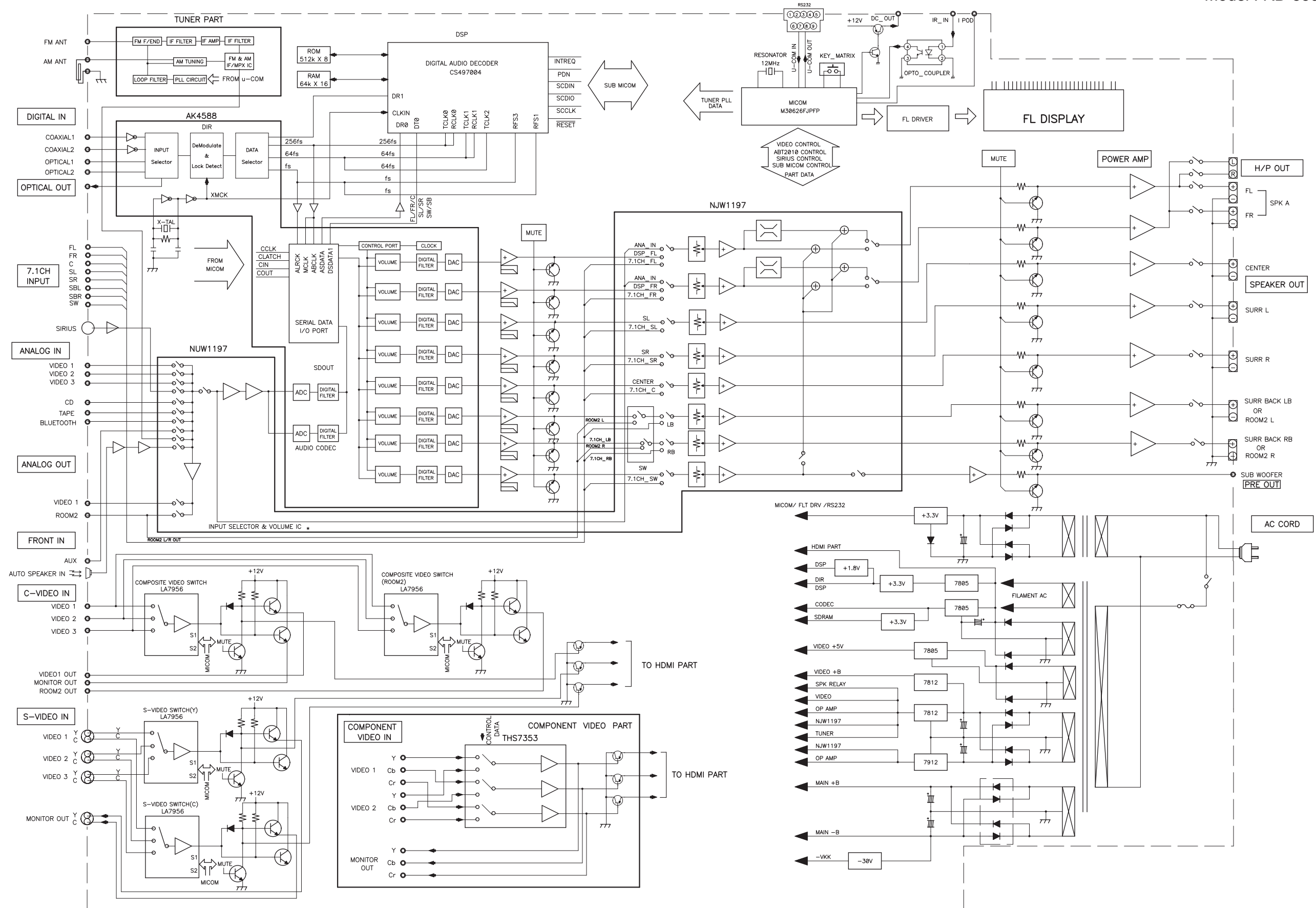
NO	TEST ITEMS	TEST CONDITION	T.P.	T.L.	MOD.	Specification	UNIT	Adjustment
				dBu	kHz, %			
FM	AF Output Level	47Ω Load	98.1	60	40	280±100	mV	Non Adjust
	Auto Stop Level		98.1	--		25 ±6	dBu	SVR01
	Stereo Separation	1kHz	98.1	60		25 min	dB	SVR02
MW	AF Output Level	47Ω Load	999	74	30	180 ±60	mV	Non Adjust
	Auto Stop Level		999	--	30	55 ±15	dBu	Non Adjust

3. Adjust Point



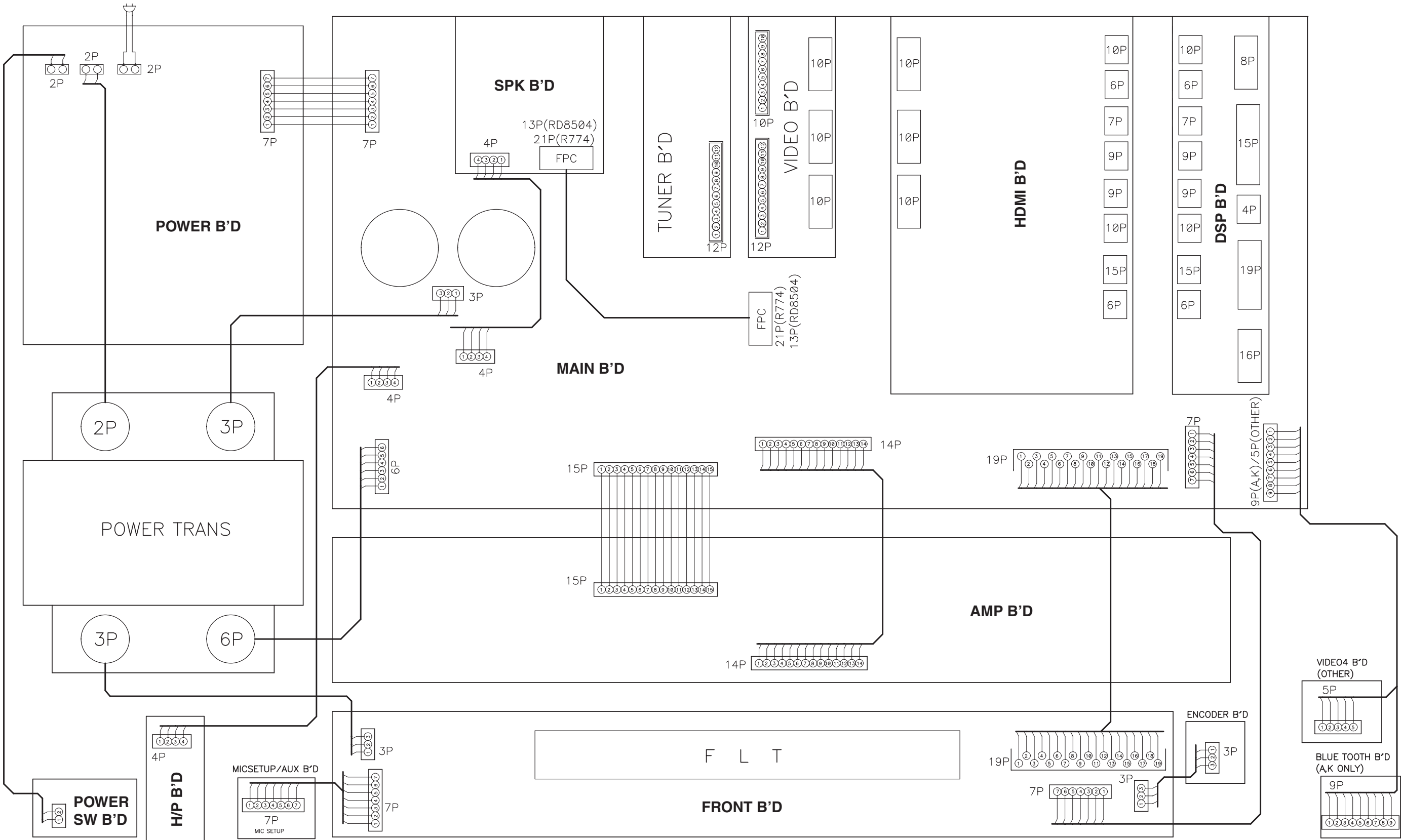
BLOCK DIAGRAM

Model : RD-8504/R-774



WIRING DIAGRAM

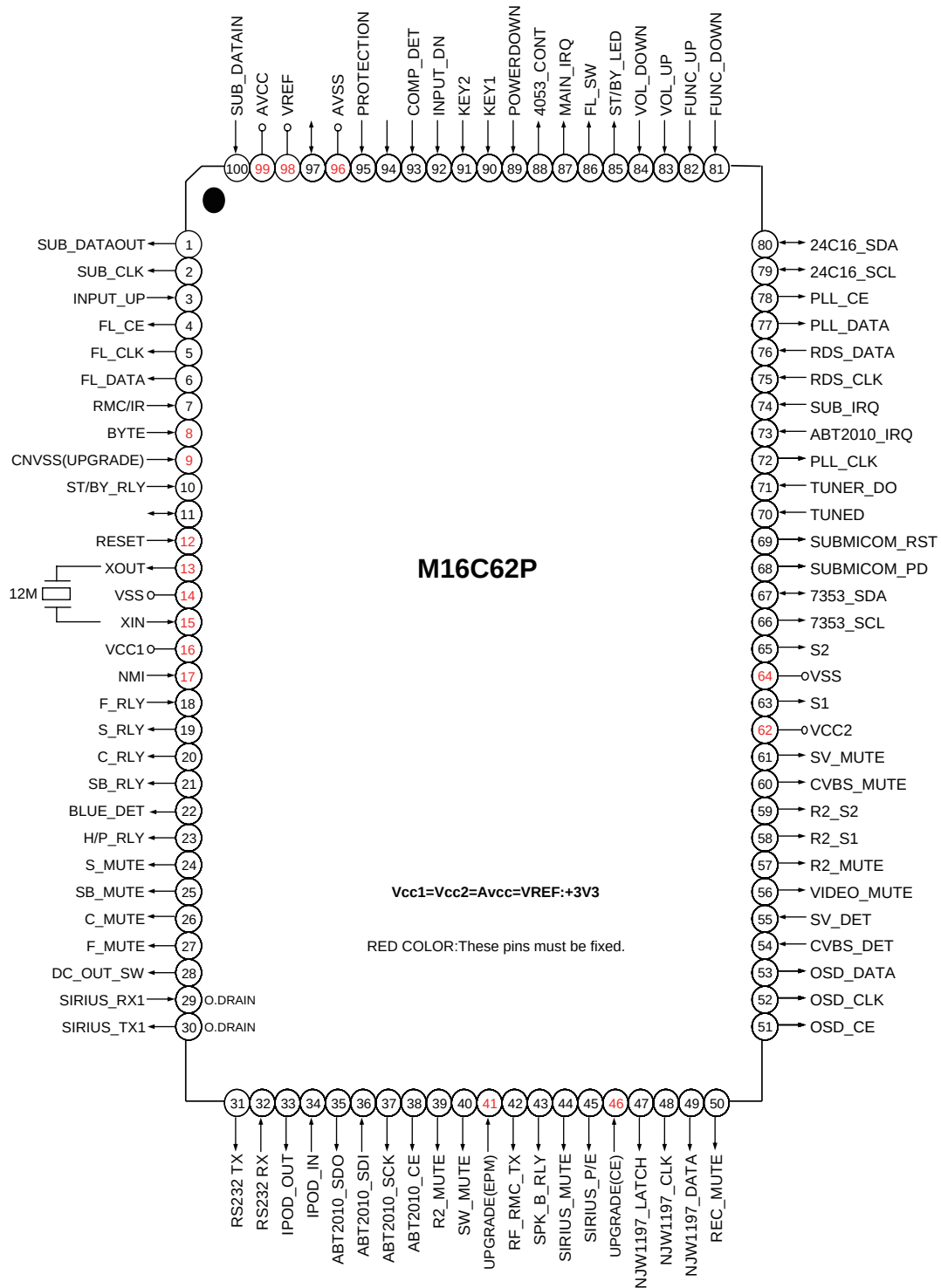
Model : RD-8504/R-774



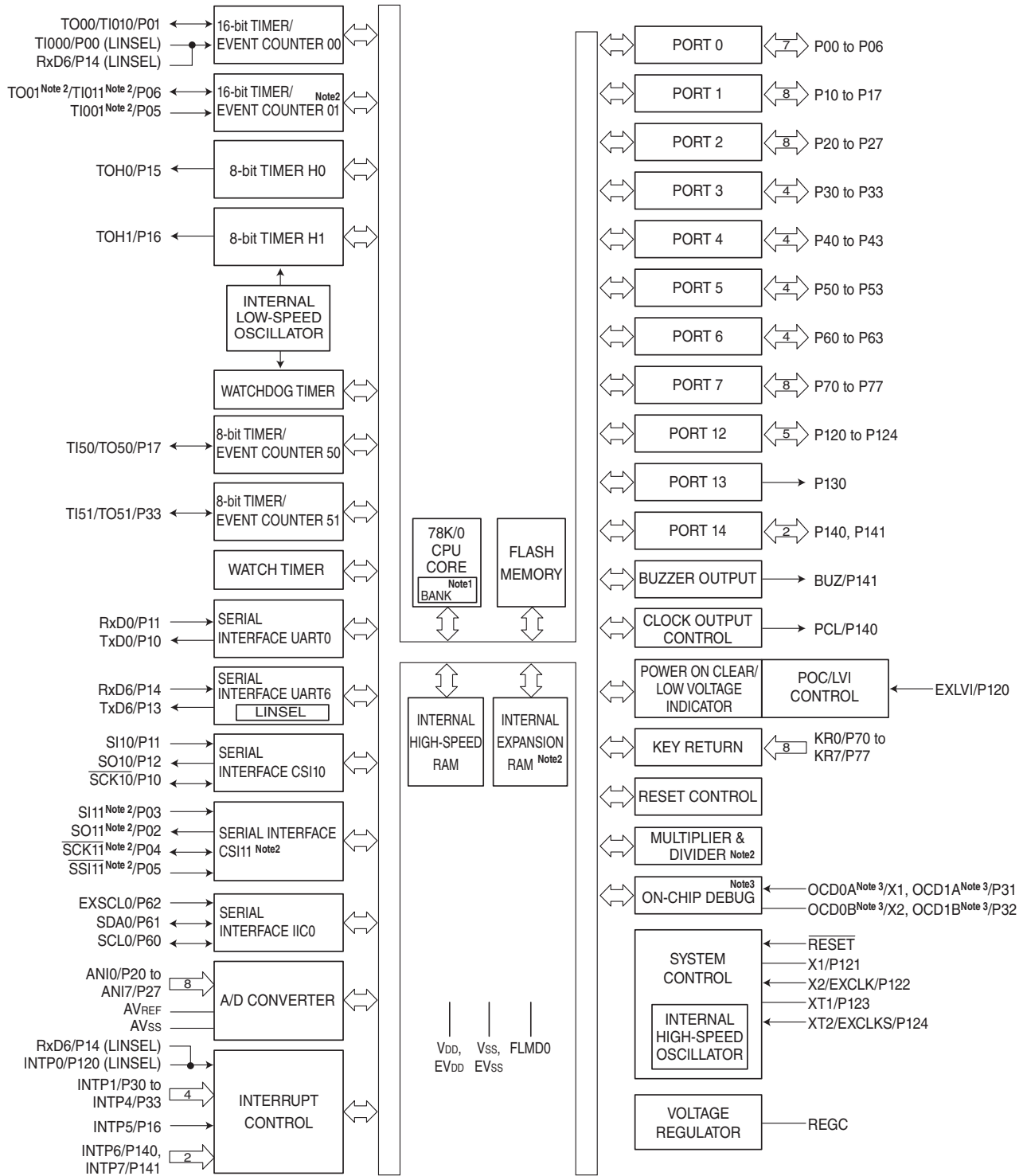
CIRCUIT DESCRIPTION

M16C62P : IC402

1. Pin Description



2. Block Diagram



Notes 1. Available only in the μ PD78F0536, 78F0537, and 78F0537D.

2. Available only in the μ PD78F0534, 78F0535, 78F0536, 78F0537, and 78F0537D.

3. Available only in the μ PD78F0537D.

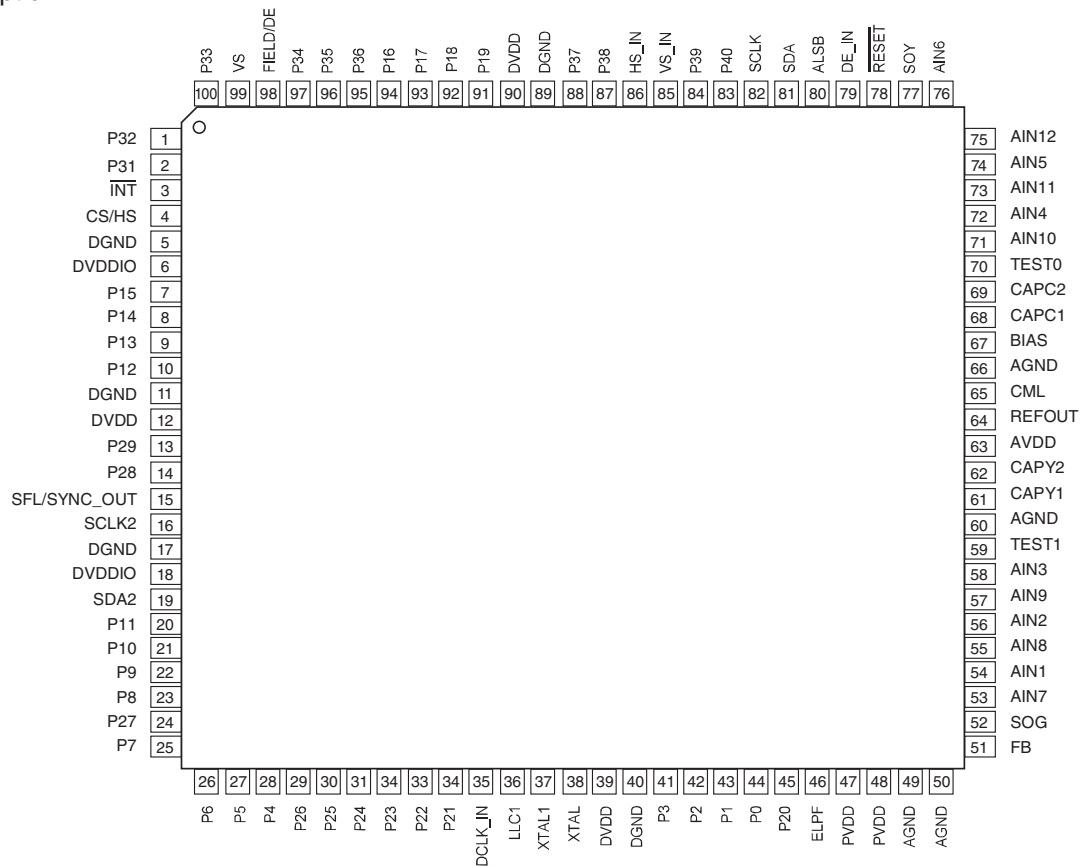
3. Pin Functions

Pin No.	Symbol	Description
1	SUB_SDOUT	Serial data signal Output to submicom
2	SUB_CCLK	Output Clock Signal for submicom.
3	INPUT_UP	Input for input function up.
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	F_RLY	Output to "FRONT Relay ON/OFF" (At "H", it is active)
19	S_RLY	Output to "Surround Relay ON/OFF" (At "H", it is active)
20	C_RLY	Output to "Center Relay ON/OFF" (At "H", it is active)
21	SB_RLY	Output to "Surroundback Relay ON/OFF" (At "H", it is active)
22	BLUE_DET	BLUETOOTH DETECT PORT.
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	SIRIUS_RX	Serial data signal Input from SIRIUS.
30	SIRIUS_TX	Serial data signal Output to SIRIUS.
31	RS232_TX	Serial data signal Output from "ST3232E"
32	RS232_RX	Serial data signal Input from "ST3232E"
33	IPOD_OUT	Output control data for ipod.
34	IPOD_IN	input control data from ipod.
35	ABT2010_SDO	Serial data signal output for ABT2010
36	ABT2010_SDI	Serial data signal input from ABT2010
37	ABT2010_SCK	Serial Clock signal output for ABT2010
38	ABT2010_CE	Output for chip enable of ABT2010
39	ROOM2_MUTE	Output for R2 mute(At "L", it is active)
40	SW_MUTE	Output for subwoofer channel mute(At "L", it is active)
41	EPM	UPGRADE
42	RF_RMC_TX	Output data for RF remocon .
43	SPK_B_RLY	Output to "Speaker B Relay ON/OFF" (At "H", it is active)
44	SIRIUS_MUTE	MUTE signal output for SIRIUS.
45	SIRIUS_PE	Output for power enable.
46	UPGRADE_CE	UPGRADE
47	1197_LATCH	Latch signal output for NJW1197.
48	1197_CLK	Clock signal output for NJW1197.
49	1197_DATA	Data signal output for NJW1197.
50	REC_MUTE	MUTE signal output for NJW1197.
51	OSD_CE	Output for chip enable of LC74781
52	OSD_CLK	Clock signal output for LC74781
53	OSD_DATA	Data signal output for LC74781
54	CVBS_DET	Input for detecting "Composite-Video input" condition(At "L", it is active)

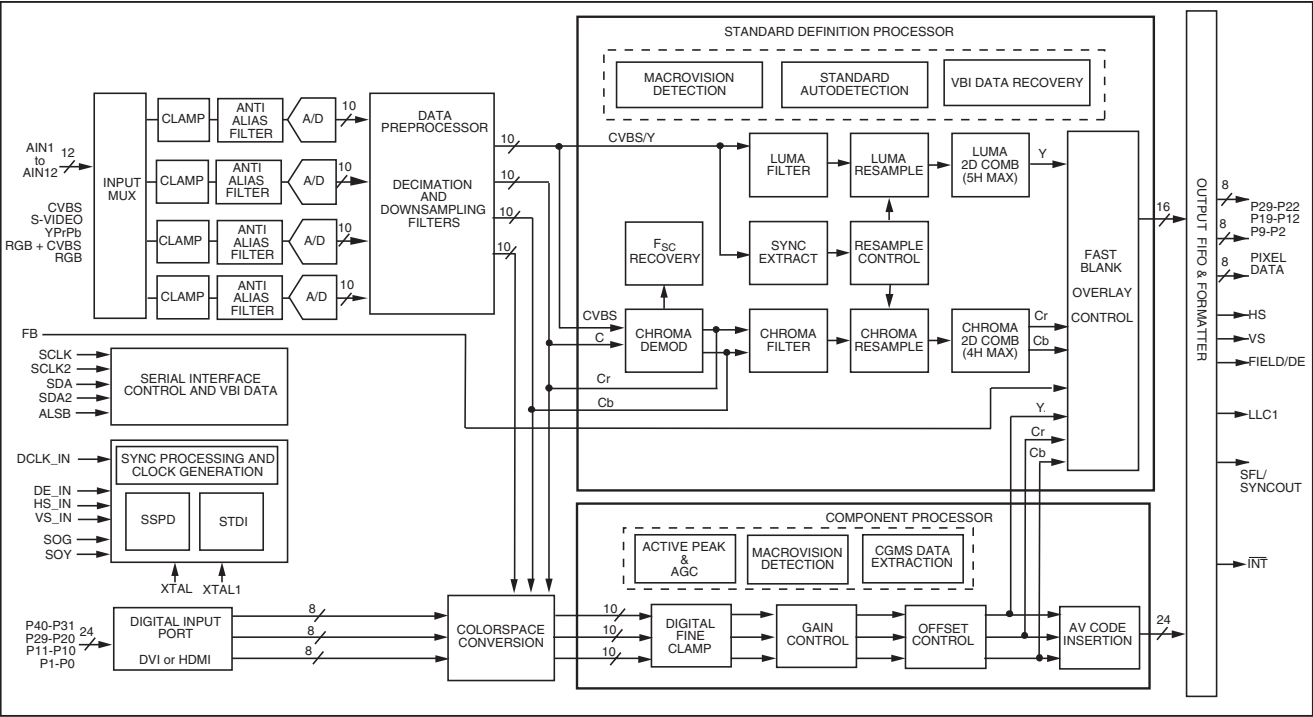
Pin No.	Symbol	Description
55	SV_DET	Input for detecting "S-Video input" condition(At "L", it is active)
56	VIDEO_MUTE	Output for control signal of MM74HC4053.
57	R2_MUTE	Output for R2 mute(At "L", it is active)
58	R2_S1	Input for detecting "Composite-Video input" condition(At "L", it is active)
59	R2_S2	Input for detecting "S-Video input" condition(At "L", it is active)
60	CVBS_MUTE	Input for detecting "Component Video input" condition(At "L", it is active)
61	SV_MUTE	Output for COMP-VIDEO output mute(At "H", it is active)
62	VCC2	+3.3V power supply
63	S1	Control signal for LA7956
64	VSS	Ground
65	S2	Control signal for LA7956
66	7353_SCL	Serial Clock signal for THS7353.
67	7353_SDA	Serial data signal for THS7353.
68	SUB_PDN	Output PDN DATA for submicom.
69	SUB_RST	Output RST DATA for submicom.
70	TUNED	Input for detecting "TUNED" condition(At "L", it is active)
71	TUNER_DO	Data Input from PLL IC
72	PLL_LK	Clock signal output to PLL IC
73	ABT2010_IRQ	Input for ABT2010 Interrupt.
74	SUB_IRQ	Input for Submicom Interrupt.
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	24C16_SCL	Clock signal output for M24C16.
80	24C16_SDA	Serial data signal for M24C16.
81	FUNC_DN	Input for main function down.
82	FUNC_UP	Input for main function up.
83	VOL_UP	Input for main volume up.
84	VOL_DN	Input for main volume down.
85	STBY_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	MAIN_IRQ	Output Interrupt for Submicom.
88	4053_CONT	Output for control signal of 4053.
89	POWERDOWN	Input for power down.
90	KEY1	Data input for key1 scan.
91	KEY2	Data input for key2 scan.
92	INPUT_DN	Input for input function down.
93	COMP_DET	Input for detecting "Component Video input" condition(At "L", it is active)
94	NC	Not used!
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	SUBSDIN	Serial data signal Input from submicom

ADV7401 : IC2

1. Pin Description



2. Block Diagram



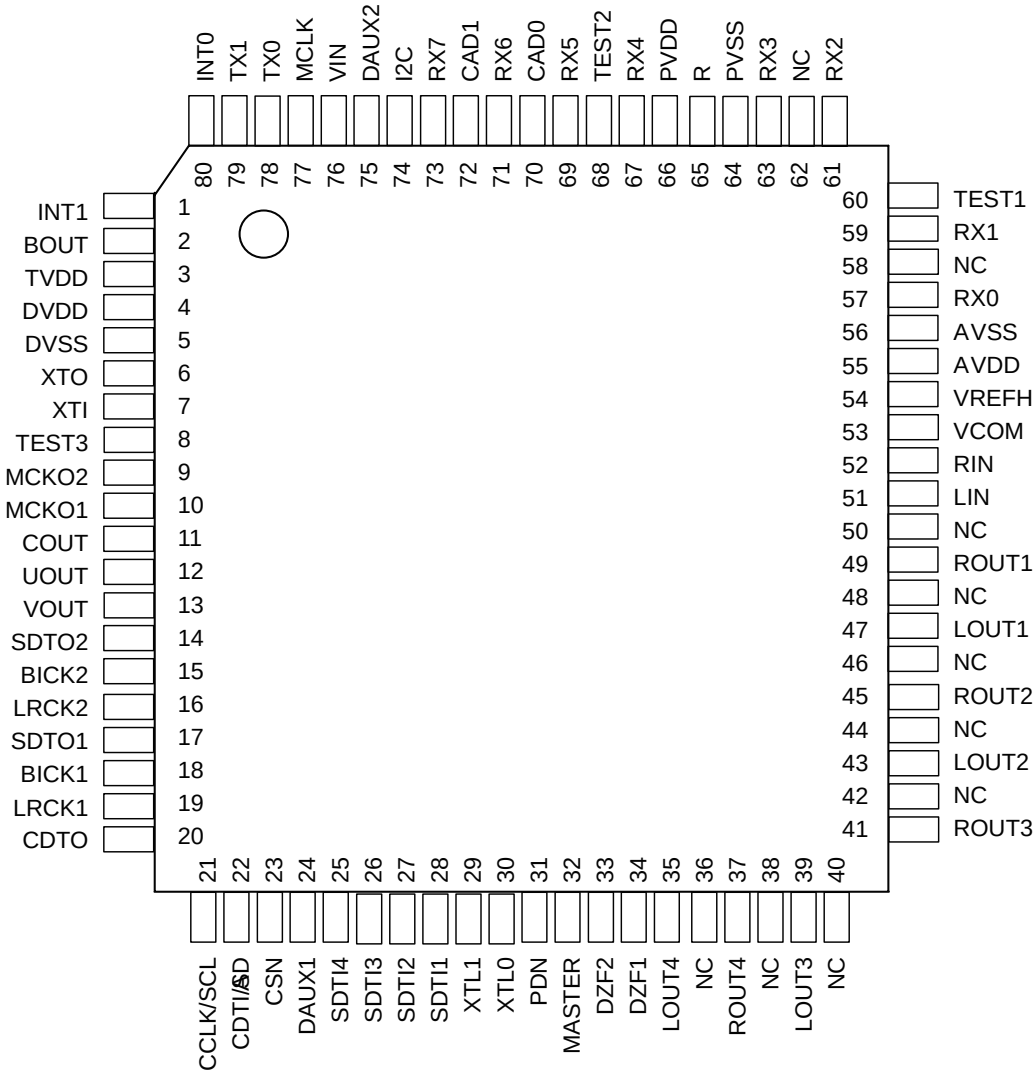
3. Pin Functions

Pin No.	Mnemonic	Type	Function
5, 11, 17, 40, 89	DGND	G	Digital ground
49, 50, 60, 66	AGND	G	Analog ground
6, 18	DVDDIO	P	Digital I/O supply voltage (3.3 V).
12, 39, 90	DVDD	P	Digital core supply voltage (1.8 V).
63	AVDD	P	Analog supply voltage (3.3 V).
47, 48	PVDD	P	PLL supply voltage (1.8 V).
51	FB	I	FB is a fast switch overlay input that switches between CVBS and RGB analog signals.
54, 56, 58, 72, 74, 76, 53, 55, 57, 71, 73, 75	AIN1–AIN12	I	Analog video input channels.
42, 41, 28, 27, 26, 25, 23, 22, 10, 9, 8, 7, 94, 93, 92, 91	P2–P9, P12–P19	O	Video pixel output port.
33, 32, 31, 30, 29, 24, 14, 13	P22–P29	I/O	Video input/output port
44, 43, 21, 20, 45, 34, 2, 1, 100, 97, 96, 95, 88, 87, 84, 83	P0–P1, P10–P11, P20–P21, P31–P40	I	Video pixel input port.
3	$\overline{\text{INT}}$	O	Interrupt pin, can be active low or active high. When SDP/CP status bits change this pin will trigger. The set of events which will trigger an interrupt are under user control.
4	HS/CS	O	HS is a horizontal synchronization output signal in SDP and CP modes. CS is a digital composite synchronization signal that can be selected while in CP mode.
99	VS	O	VS is a vertical synchronization output signal in SDP and CP modes.
98	FIELD/DE	O	FIELD is a field synchronization output signal in all interlaced video modes. This pin also can be enabled as a DE (Data Enable) signal in CP mode to allow direct connection to a HDMI/DVI Tx IC.
81, 19	SDA1, SDA2	I/O	I ² C port serial data input/output pin, SDA1 is the data line for the Control port and SDA2 is the data line for the VBI readback port.
82, 16	SCLK1, SCLK2	I	I ² C port serial clock input (max clock rate of 400 kHz). SCLK1 is the clock line for the Control port and SCLK2 is the clock line for the VBI data readback port.

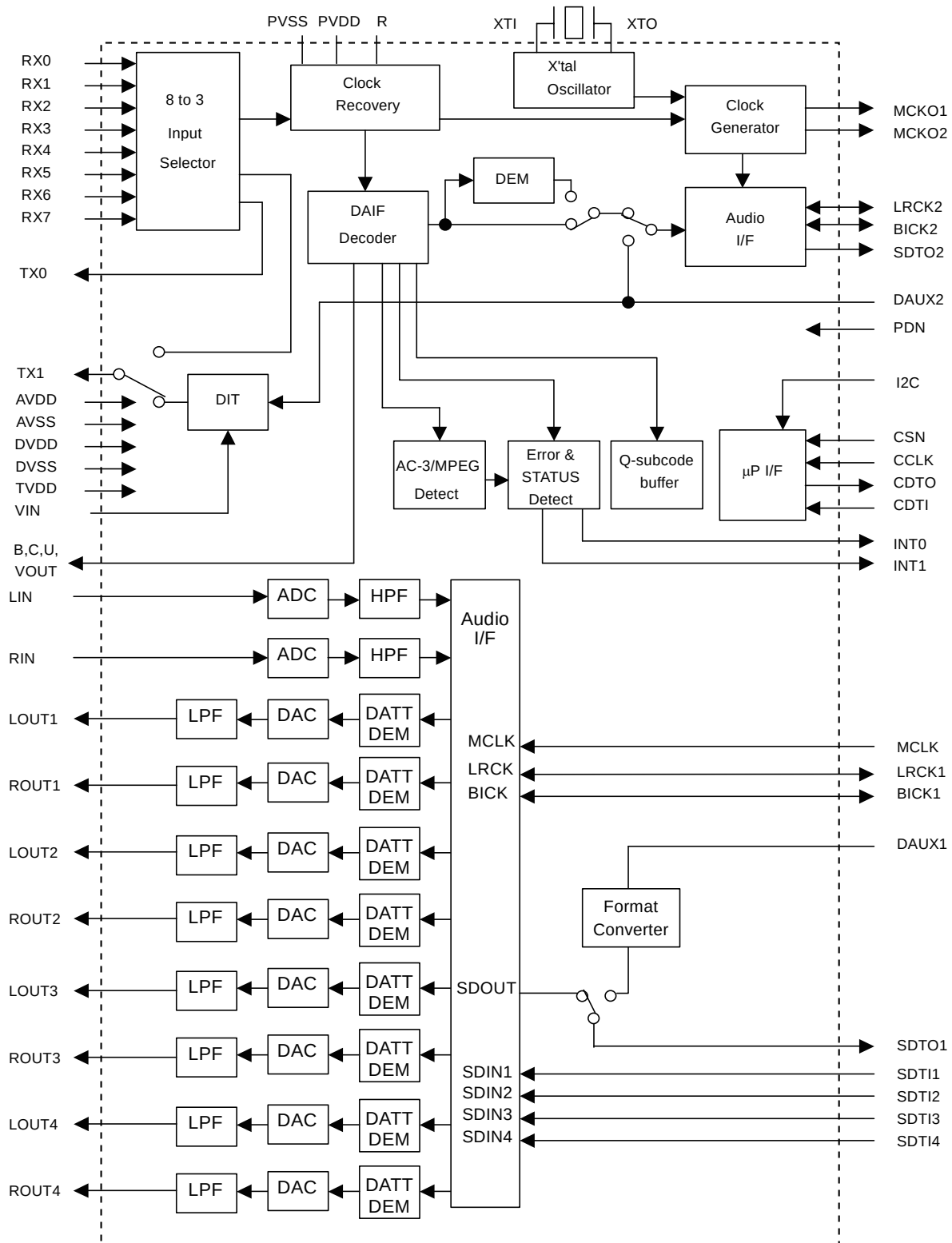
Pin No.	Mnemonic	Type	Function
80	ALSB	I	This pin selects the I ² C address for the ADV7401 Control and VBI readback ports. ALSB set to a logic 0 sets the address for a write to control port of 0x40 and the readback address for the VBI port of 0x21. ALSB set to a logic high sets the address for a write to control port of 0x42 and the readback address for the VBI port of 0x23.
78	$\overline{\text{RESET}}$	I	System reset input, active low. A minimum low reset pulse width of 5 ms is required to reset the ADV7401 circuitry.
36	LLC1	O	LLC1 is a line locked output clock for the pixel data (range is 13.5MHz to 110MHz).
38	XTAL	I	Input pin for 28.636363 MHz crystal, or can be overdriven by an external 3.3 V 28.636363 MHz clock oscillator source to clock the ADV7401.
37	XTAL1	O	This pin should be connected to the 28.636363 MHz crystal or left as a no connect if an external 3.3 V 28.636363 MHz clock oscillator source is used to clock the ADV7401. In crystal mode the crystal must be a fundamental crystal.
46	ELPF	O	The recommend external loop filter must be connected to this ELPF pin.
70, 59	TEST0 - TEST1	O	These pins should be left unconnected
15	SFL/SYNC_OUT	O	SFL (Subcarrier Frequency Lock); this pin contains a serial output stream which can be used to lock the subcarrier frequency when this decoder is connected to any Analog Devices digital video encoder. SYNC_OUT is the sliced sync output signal only available in CP mode.
64	REFOUT	O	Internal voltage reference output.
65	CML	O	The CML pin is a common-mode level for the internal ADCs.
61, 62	CAPY1–CAPY2	I	ADC capacitor network.
68, 69	CAPC1–CAPC2	I	ADC capacitor network.
67	BIAS	O	BIAS is an external bias setting pin. Connect the recommended resistor between pin and ground.
86	HS_IN/CS_IN	I	Can be configured in CP mode to be either a digital HS input signal or a digital CS input signal used to extract timing in a 5-wire or 4-wire RGB mode.
85	VS_IN	I	VS input signal used in CP mode for 5-wire timing mode.
79	DE_IN	I	DE_IN is a data enable input signal used in 24-bit digital input port mode, for example, 24-bit RGB data from a DVI Rx IC.
35	DCLK_IN	I	DCLK_IN is a clock input signal used in 24-bit digital input mode (e.g. 24-bit RGB data from a DVI Rx IC) and also in digital CVBS input mode.
52	SOG	I	SOG is a sync on green input used in embedded sync mode.
77	SOY	I	SOY is a sync on luma input used in embedded sync mode.

AK4588 : IC1008

1. Pin Description



2. Block Diagram



3. Pin Functions

No.	Pin Name	I/O	Function
1	INT1	O	Interrupt 1 Pin
2	BOUT	O	Block-Start Output Pin for Receiver Input “H” during first 40 flames.
3	TVDD	-	Output Buffer Power Supply Pin, 2.7V~5.5V
4	DVDD	-	Digital Power Supply Pin, 3.3V
5	DVSS	-	Digital Ground Pin
6	XTO	O	X'tal Output Pin
7	XTI	I	X'tal Input Pin
8	TEST3	I	Test 3 Pin This pin should be connected to DVSS.
9	MCKO2	O	Master Clock Output 2 Pin
10	MCKO1	O	Master Clock Output 1 Pin
11	COUT	O	C-bit Output Pin for Receiver Input
12	UOUT	O	U-bit Output Pin for Receiver Input
13	VOUT	O	V-bit Output Pin for Receiver Input
14	SDTO2	O	Audio Serial Data Output Pin(DIR/DIT part)
15	BICK2	I/O	Audio Serial Data Clock Pin(DIR/DIT part)
16	LRCK2	I/O	Channel Clock Pin(DIR/DIT part)
17	SDTO1	O	Audio Serial Data Output Pin(ADC/DAC part)
18	BICK1	I/O	Audio Serial Data Clock Pin(ADC/DAC part)
19	LRCK1	I/O	Input Channel Clock Pin
20	CDTO	O	Control Data Output Pin in Serial Mode, I2C= “L”.
21	CCLK	I	Control Data Clock Pin in Serial Mode, I2C= “L”
	SCL	I	Control Data Clock Pin in Serial Mode, I2C= “H”
22	CDTI	I	Control Data Input Pin in Serial Mode, I2C= “L”.
	SDA	I/O	Control Data Pin in Serial Mode, I2C= “H”.
23	CSN	I	Chip Select Pin in Serial Mode, I2C=“L”.
		I	This pin should be connected to DVSS, I2C=“H”.
24	DAUX1	I	AUX Audio Serial Data Input Pin(ADC/DAC part)
25	SDTI4	I	DAC4 Audio Serial Data Input Pin
26	SDTI3	I	DAC3 Audio Serial Data Input Pin
27	SDTI2	I	DAC2 Audio Serial Data Input Pin
28	SDTI1	I	DAC1 Audio Serial Data Input Pin
29	XTL1	I	X'tal Frequency Select 0 Pin
30	XTL0	I	X'tal Frequency Select 1 Pin
31	PDN	I	Power-Down Mode Pin When “L”, the AK4588 is powered-down, all output pin goes “L”, all registers are reset. When CAD1/0 pins are changed, the AK4588 should be reset by PDN pin.
32	MASTER	I	Master Mode Select Pin (Internal pull-down pin) “H”: Master mode, “L”: Slave mode
33	DZF2	O	Zero Input Detect 2 Pin (Note 1) When the input data of the group 1 follow total 8192 LRCK cycles with “0” input data, this pin goes to “H”. And when RSTN bit is “0”, PWDAN bit is “0”, this pin goes to “H”. It always is in “L” when P/S is “H”.
	OVF	O	Analog Input Overflow Detect Pin (Note 2) This pin goes to “H” if the analog input of Lch or Rch overflows.
34	DZF1	O	Zero Input Detect 1 Pin (Note 1) When the input data of the group 1 follow total 8192 LRCK cycles with “0” input data, this pin goes to “H”. And when RSTN bit is “0”, PWDAN bit is “0”, this pin goes to “H”. Output is selected by setting DZFE pin when P/S is “H”.
35	LOUT4	O	DAC4 Lch Analog Output Pin
36	NC	-	No Connect No internal bonding.
37	ROUT4	O	DAC4 Rch Analog Output Pin
38	NC	-	No Connect No internal bonding.
39	LOUT3	O	DAC3 Lch Analog Output Pin
40	NC	-	No Connect No internal bonding.

Notes:

1. The group 1 and 2 can be selected by DZFM2-0 bits.
2. This pin becomes OVFE bit if OVFE bit is set to 1.

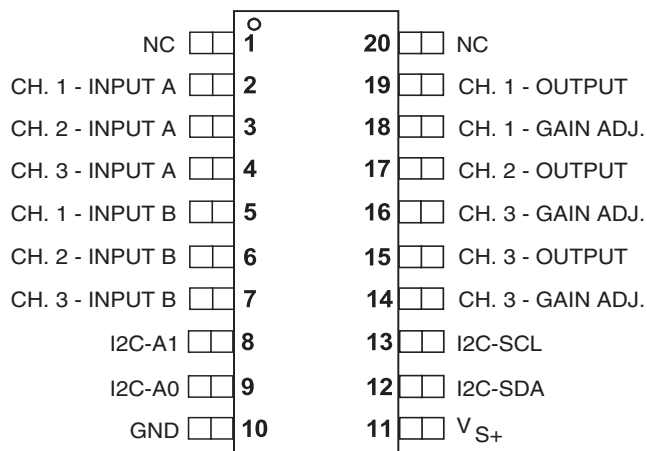
No.	Pin Name	I/O	Function
41	ROUT3	O	DAC3 Rch Analog Output Pin
42	NC	-	No Connect No internal bonding.
43	LOUT2	O	DAC2 Lch Analog Output Pin
44	NC	-	No Connect No internal bonding.
45	ROUT2	O	DAC2 Rch Analog Output Pin
46	NC	-	No Connect No internal bonding.
47	LOUT1	O	DAC1 Lch Analog Output Pin
48	NC	-	No Connect No internal bonding.
49	ROUT1	O	DAC1 Rch Analog Output Pin
50	NC	-	No Connect No internal bonding.
51	LIN	I	Lch Analog Input Pin
52	RIN	I	Rch Analog Input Pin
53	VCOM -		Common Voltage Output Pin 2.2 μ F capacitor should be connected to PVSS externally.
54	VREFH -		Positive Voltage Reference Input Pin, AVDD
55	AVDD	-	Analog Power Supply Pin, 4.5V~5.5V
56	AVSS	-	Analog Ground Pin, 0V
57	RX0	I	Receiver Channel 0 Pin (Internal biased pin) This channel is default in serial mode.
58	NC	-	No Connect No internal bonding.
59	RX1	I	Receiver Channel 1 Pin (Internal biased pin)
60	TEST1	I	Test 1 Pin This pin should be connected to PVSS.
61	RX2	I	Receiver Channel 2 Pin (Internal biased pin)
62	NC	-	No Connect No internal bonding.
63	RX3	I	Receiver Channel 3 Pin (Internal biased pin)
64	PVSS	-	PLL Ground pin
65	R	-	External Resistor Pin 12k Ω +/-1% resistor should be connected to PVSS externally.
66	PVDD	-	PLL Power supply pin, 5.0V
67	RX4	I	Receiver Channel 4 Pin (Internal biased pin)
68	TEST2	I	Test 2 Pin This pin should be connected to PVSS.
69	RX5	I	Receiver Channel 5 Pin (Internal biased pin)
70	CAD0	I	Chip Address 0 Pin (ADC/DAC part)
71	RX6	I	Receiver Channel 6 Pin (Internal biased pin)
72	CAD1	I	Chip Address 1 Pin (ADC/DAC part)
73	RX7	I	Receiver Channel 7 Pin (Internal biased pin)
74	I2C	I	Control Mode Select Pin. “L”: 4-wire Serial, “H”: I ² C Bus
75	DAUX2	I	Auxiliary Audio Data Input Pin (DIR/DIT part)
76	VIN	I	V-bit Input Pin for Transmitter Output
77	MCLK	I	Master Clock Input Pin
78	TX0	O	Transmit Channel (Through Data) Output 0 Pin
79	TX1	O	Transmit Channel Output1 pin When TX bit = “0”, Transmit Channel (Through Data) Output 1 Pin. When TX bit = “1”, Transmit Channel (DAUX2 Data) Output Pin (Default).
80	INT0	O	Interrupt 0 Pin

Notes:

3. All input pins except internal biased pins and internal pull-down pin should not be left floating.

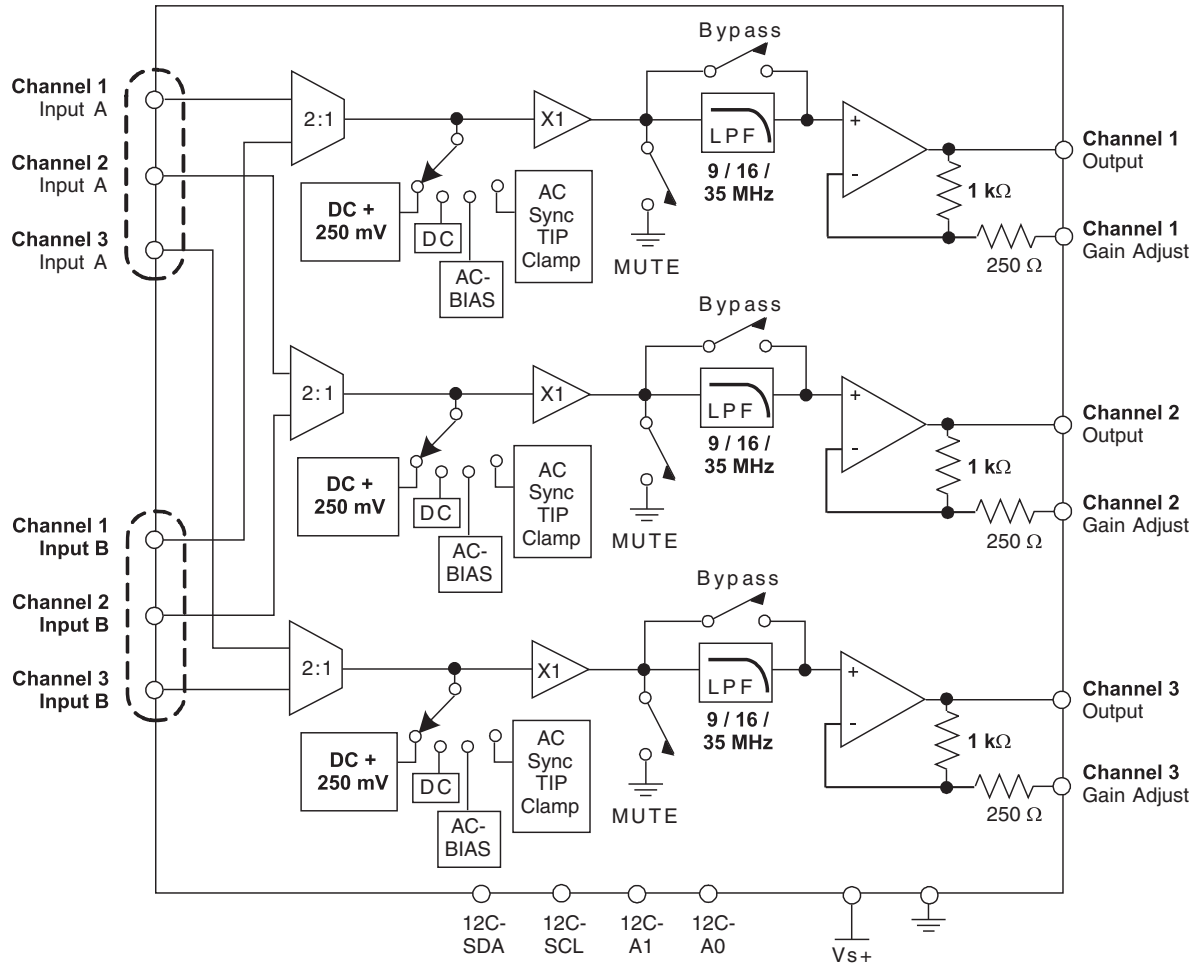
THS7353 : IC206

1. Pin Description



TERMINAL		DESCRIPTION
NAME	NO.	
N/C	1, 20	No Internal Connection. It is recommended, but not required, to connect these pins to GND
CH. 1 – INPUT A	2	Video Input Channel 1. Input A
CH. 2 – INPUT A	3	Video Input Channel 2. Input A
CH. 3 – INPUT A	4	Video Input Channel 3. Input A
CH. 1 – INPUT B	5	Video Input Channel 1. Input B
CH. 2 – INPUT B	6	Video Input Channel 2. Input B
CH. 3 – INPUT B	7	Video Input Channel 3. Input B
I2C-A1	8	I ² C Slave Address Control Bit A1. Connect to V _{S+} for a logic 1 preset value or GND for a logic 0 preset value.
I2C-A0	9	I ² C Slave Address Control Bit A0. Connect to V _{S+} for a logic 1 preset value or GND for a logic 0 preset value.
GND	10	Ground reference pin for all internal circuitry
V _{S+}	11	Positive Power Supply Input Pin. Connect to 2.7 V to 5 V
SDA	12	Serial data line of the I ² C bus. Pull-up resistor should have a minimum value = 2-k Ω and a maximum value = 19-k Ω . Pull up to V _{S+}
SCL	13	I ² C bus clock line. Pull-up resistor should have a minimum value = 2-k Ω and a maximum value = 19-k Ω . Pull up to V _{S+}
CH. 3 - GAIN ADJ.	14	Channel 3 gain adjustment pin. Short to CH. 3 - OUTPUT pin for 0-dB gain. Or add external resistors and/or capacitors to analog ground for signal gain.
CH. 3 – OUTPUT	15	Video output channel 3 from either CH. 3 – INPUT A or CH. 3 – INPUT B
CH. 2 - GAIN ADJ.	16	Channel 2 gain adjustment pin. Short to CH. 2 - OUTPUT pin for 0-dB gain. Or add external resistors and/or capacitors to analog ground for signal gain.
CH. 2 – OUTPUT	17	Video output channel 2 from either CH. 2 – INPUT A or CH. 2 – INPUT B
CH. 1 - GAIN ADJ.	18	Channel 1 gain adjustment pin. Short to CH. 1 - OUTPUT pin for 0-dB gain. Or add external resistors and/or capacitors to analog ground for signal gain.
CH. 1 – OUTPUT	19	Video output channel 1 from either CH. 1 – INPUT A or CH. 1 – INPUT B

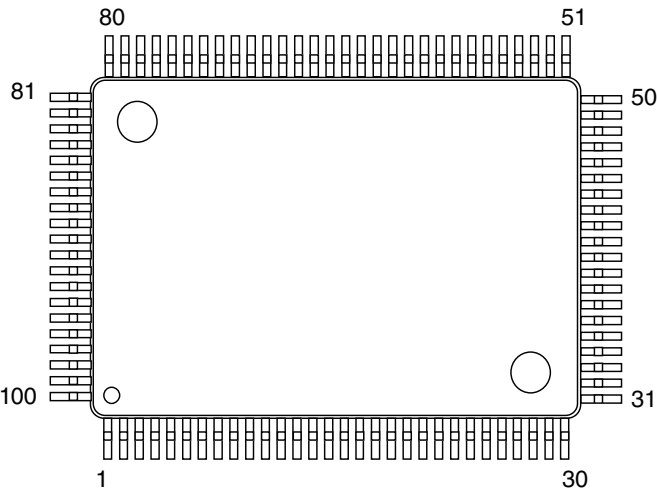
2. Block Diagram



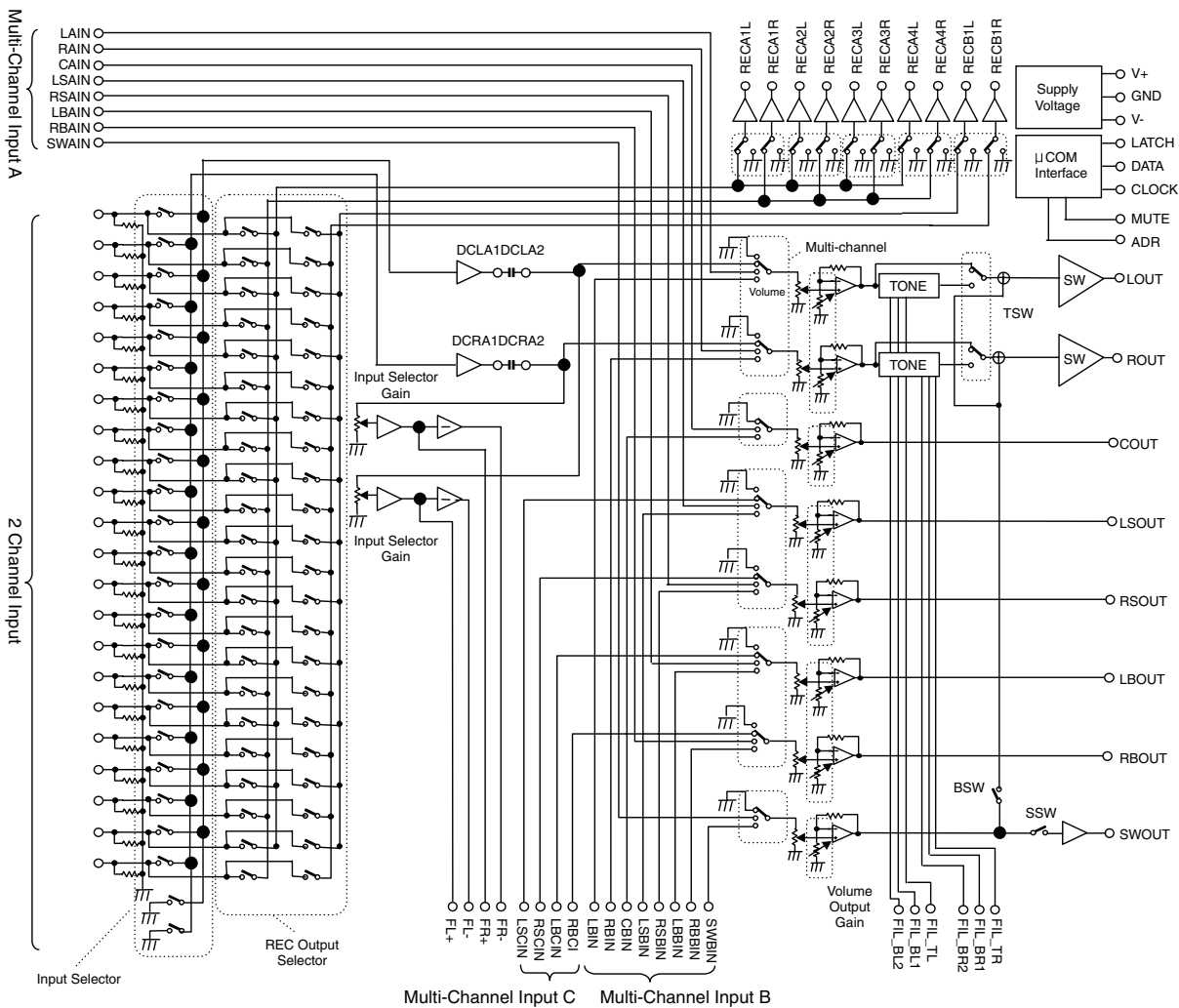
NOTE: The I²C Address of the THS7353 is 01011(A1)(A0)(R/W)

NJW1197 : IC401

1. Pin Description



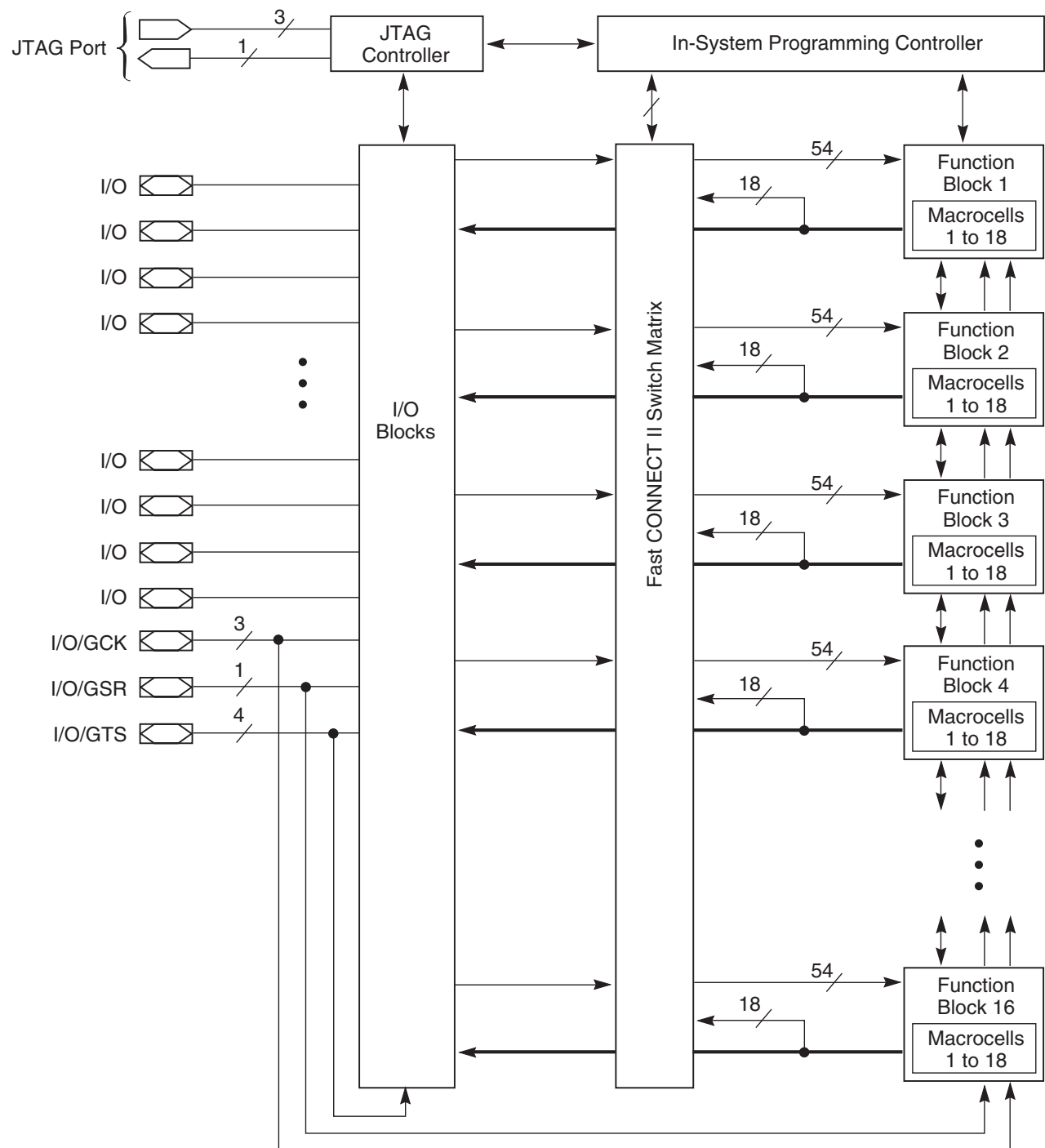
2. Block Diagram



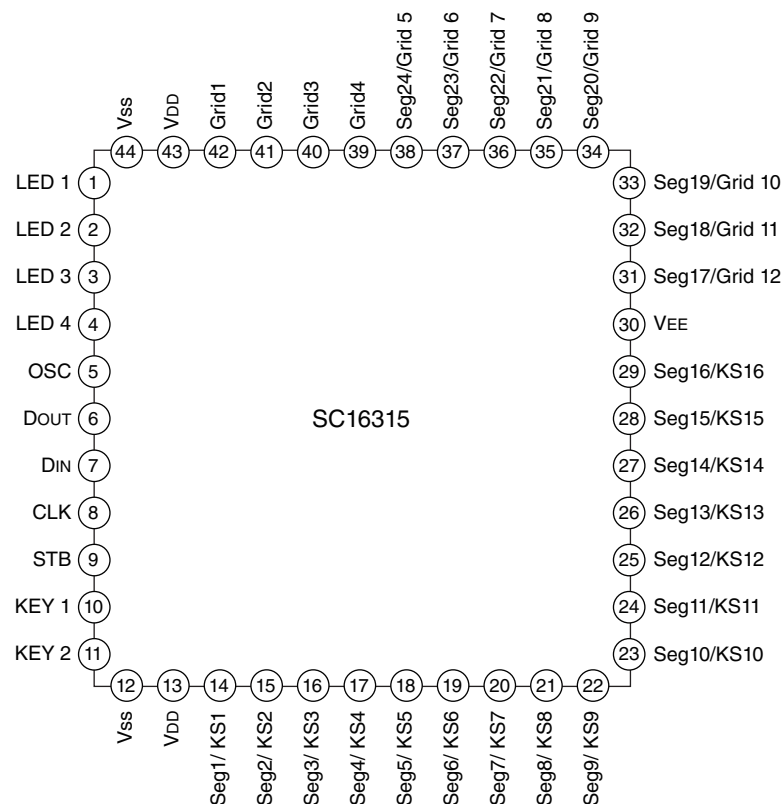
3. Pin Functions

No.	SYMBOL	FUNCTION	No.	SYMBOL	FUNCTION
1	ROUT	Rch output	51	DCR_IN	"Multi-channel selector" Rch input
2	COUT	Cch output	52	DCR_OUT	"Input selector" Rch output
3	LSOUT	LSch output	53	GND	Ground
4	RSOUT	RSch output	54	DCL_IN	"Multi-channel selector" Lch input
5	LBOUT	LBch output	55	DCL_OUT	"Input selector" Lch output
6	RBOUT	RBch output	56	GND	Ground
7	SWOUT	SWch output	57	REC_B1R	"Input selector" Rch REC output B1
8	GND	Ground	58	REC_B1L	"Input selector" Lch REC output B1
9	FIL_BL2	Lch Bass filter terminal 2	59	REC_A4R	"Input selector" Rch REC output A4
10	FIL_BL1	Lch Bass filter terminal 1	60	REC_A4L	"Input selector" Lch REC output A4
11	FIL_TL	Lch Treble filter terminal	61	REC_A3R	"Input selector" Rch REC output A3
12	TCAP	Switching noise rejection capacitor	62	REC_A3L	"Input selector" Lch REC output A3
13	FIL_BR2	Rch Bass filter terminal 2	63	REC_A2R	"Input selector" Rch REC output A2
14	FIL_BR1	Rch Bass filter terminal 1	64	REC_A2L	"Input selector" Lch REC output A2
15	FIL_TR	Rch Treble filter terminal	65	REC_A1R	"Input selector" Rch REC output A1
16	V+	+ Power supply voltage input	66	REC_A1L	"Input selector" Lch REC output A1
17	ADR	Chip address select input	67	VDDOUT	Internal Digital +Power Supply Output
18	V-	- Power supply voltage input	68	DATA	Control data signal input
19	L1IN	"Input selector" Lch input 1	69	CLOCK	Clock signal input
20	DCCAP_SW	Switching noise rejection capacitor	70	LATCH	Latch signal input
21	R1IN	"Input selector" Rch input 1	71	MUTE	External mute control
22	DCCAP_RB	Switching noise rejection capacitor	72	FL+	"Input selector gain control" Lch no-inverted output
23	L2IN	"Input selector" Lch input 2	73	FL-	"Input selector gain control" Lch inverted output
24	DCCAP_LB	Switching noise rejection capacitor	74	FR+	"Input selector gain control" Rch no-inverted output
25	R2IN	"Input selector" Rch input 2	75	FR-	"Input selector gain control" Rch inverted output
26	DCCAP_RS	Switching noise rejection capacitor	76	GND	Ground
27	L3IN	"Input selector" Lch input 3	77	LSCIN	Multi-channel LSch input C
28	DCCAP_LS	Switching noise rejection capacitor	78	RSCIN	Multi-channel RSch input C
29	R3IN	"Input selector" Rch input 3	79	LBCIN	Multi-channel LBch input C
30	DCCAP_C	Switching noise rejection capacitor	80	RBCIN	Multi-channel RBch input C
31	L4IN	"Input selector" Lch input 4	81	GND	Ground
32	DCCAP_R	Switching noise rejection capacitor	82	LAIN	Multi-channel Lch input A
33	R4IN	"Input selector" Rch input 4	83	RAIN	Multi-channel Rch input A
34	DCCAP_L	Switching noise rejection capacitor	84	CAIN	Multi-channel Cch input A
35	L5IN	"Input selector" Lch input 5	85	LSAIN	Multi-channel LSch input A
36	GND	Ground	86	RSAIN	Multi-channel RSch input A
37	R5IN	"Input selector" Rch input 5	87	LBAIN	Multi-channel LBch input A
38	GND	Ground	88	RBAIN	Multi-channel RBch input A
39	L6IN	"Input selector" Lch input 6	89	SWAIN	Multi-channel SWch input A
40	L9IN	"Input selector" Lch input 9	90	GND	Ground
41	R6IN	"Input selector" Rch input 6	91	LBIN	Multi-channel Lch input B
42	R9IN	"Input selector" Rch input 9	92	RBIN	Multi-channel Rch input B
43	L7IN	"Input selector" Lch input 7	93	CBIN	Multi-channel Cch input B
44	L10IN	"Input selector" Lch input 10	94	LSBIN	Multi-channel LSch input B
45	R7IN	"Input selector" Rch input 7	95	RSBIN	Multi-channel RSch input B
46	R10IN	"Input selector" Rch input 10	96	LBBIN	Multi-channel LBch input B
47	L8IN	"Input selector" Lch input 8	97	RBBIN	Multi-channel RBch input B
48	L11IN	"Input selector" Lch input 11	98	SWBIN	Multi-channel SWch input B
49	R8IN	"Input selector" Rch input 8	99	GND	Ground
50	R11IN	"Input selector" Rch input 11	100	LOUT	Lch output

XC95288XL : U1

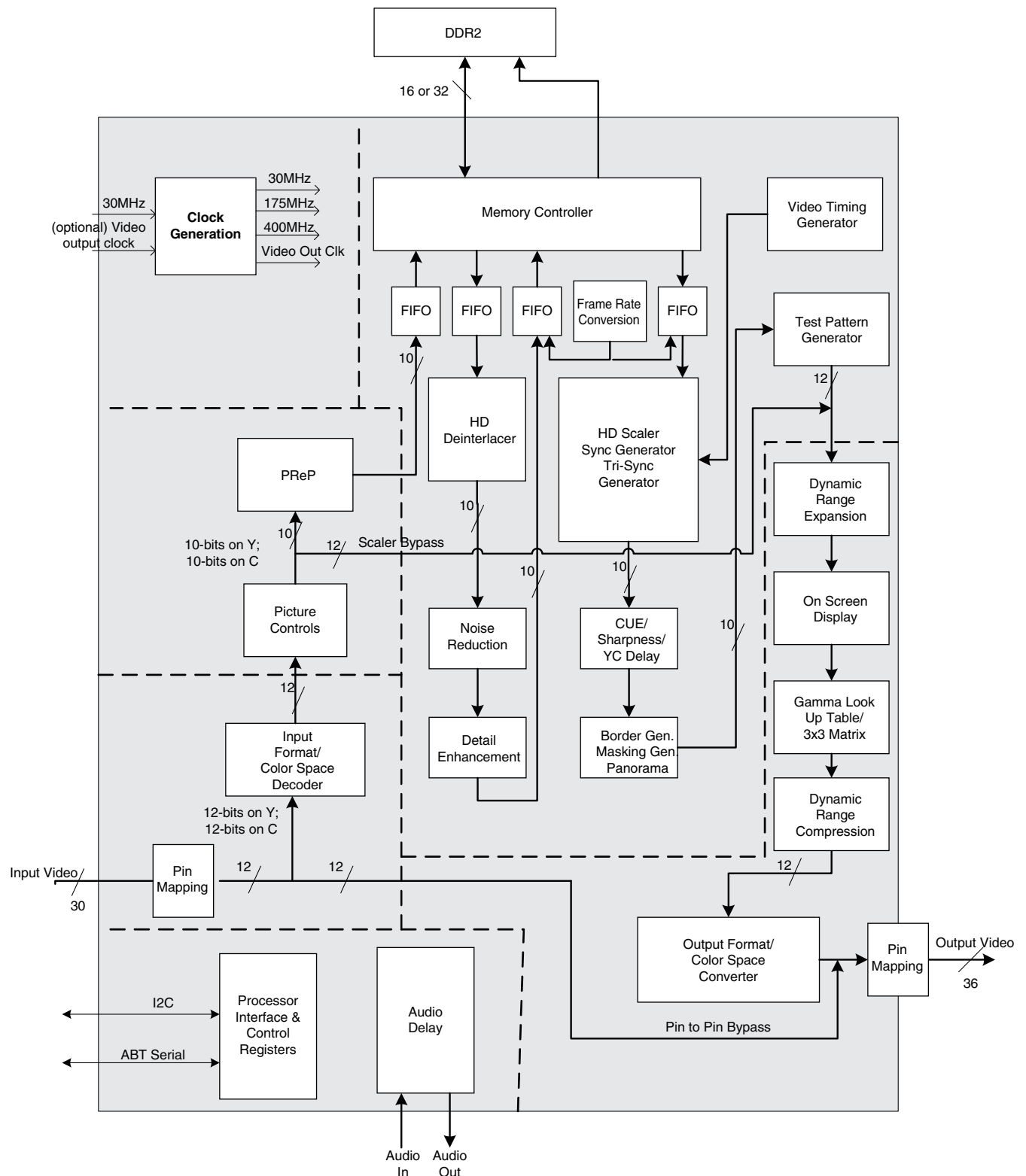


SC16315 : IC701

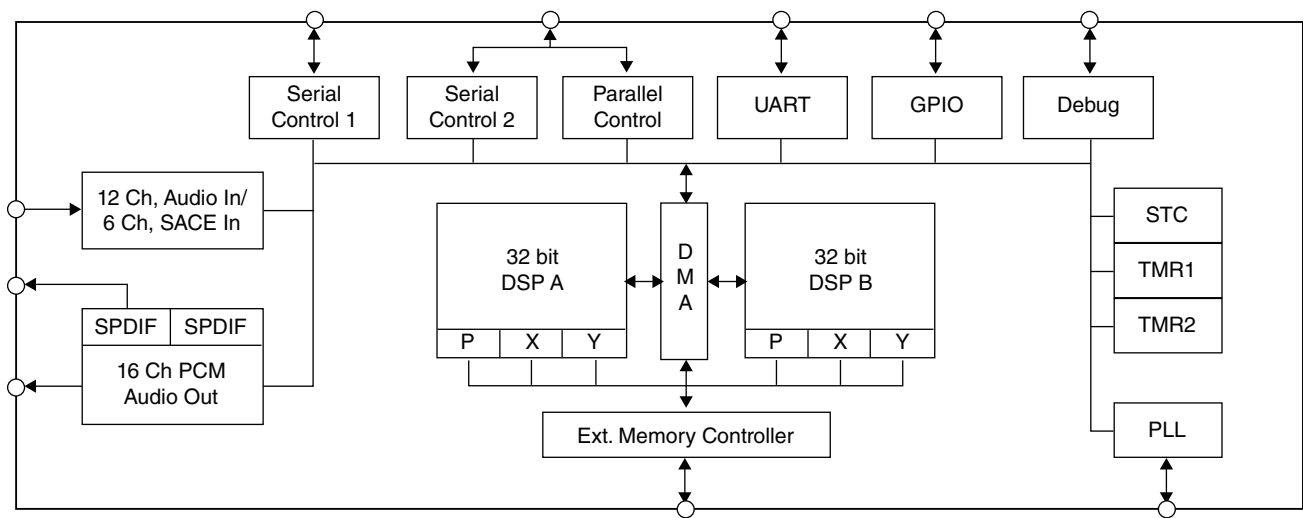


Pin No.	Pin Name	Description
7	DIN	Data input pin. Input serial data at rising edge of shift clock, starting from the low order bit.
6	DOUT	Data output pin. Output serial data at the falling edge of the shift clock, starting from low order bit. This is N-ch open-drain output pin.
9	STB	Strobe pin. Initializes serial interface at the rising or falling edge of the SC16315. It then waits for reception of a command. Data input after STB has fallen is processed as a command. While command data is processed, current processing is stopped, and the serial interface is initialized. While STB is high, CLK is ignored.
8	CLK	Clock input pin. Reads serial data at the rising edge, and outputs data at the falling edge.
5	OSC	Oscillator pin. Determine the oscillation frequency by the resistor connecting this pin and GND (Vss).
14 ~ 29	Seg1/KS1 to Seg16/KS16	High-voltage output (segment). Segment output pins (Dual function as key source).
39~42	Grid1 to Grid4	High-voltage output (grid). Grid output pins.
31~38	Seg17/Grid12 to Seg24/Grid5	High-voltage output (segment/grid). Segment or grid driving.
1 ~4	LED1 to LED4	LED output pin. CMOS output. +20mA max.
10 ~ 11	KEY1 to KEY2	Key data input. Data input to these pins is latched at the end of the display cycle.
13, 43	VDD	Logic power pin. 5V±10%
12, 44	VSS	Logic ground. Connect this pin to system GND.
30	VEE	Pull-down level. VDD-35V max.

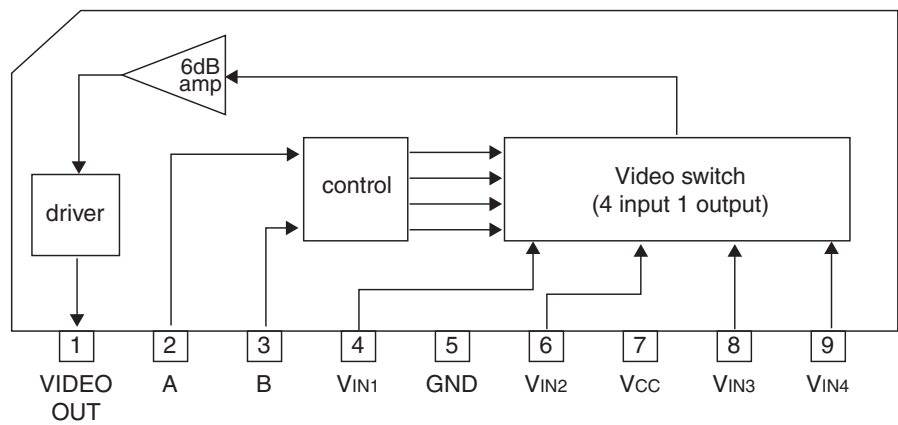
ABT2010 : U15



CS49700 : IC1005



LA7956 : IC200, IC201, IC203, IC205



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 (301) CN301,FPC401 SW(700) I.C701 SC16315 I.C701 Pin No13 I.C701 Pin No5
Fuse Disconnection. (Power On)	A) Inferior transformer. B) AMP drive TR out. (POWER TR) C) AMP drive TR out. (POWER TR) D) B+_B- voltage check.	Q206(FL, FR, C, SL, SR) Q205 (FL, FR, C, SL, SR)
Key Disorder.	A) Key's being pushed check. B) Key signal input components inferior. C) Key PORT check. D) μ -COM I.C inferior. 1. μ -COM IC VCC +3.3V check.	I.C402 Pin No. (90,91) I.C401 Pin No. (16,62,98,99)
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 (KIA1117PI_3.3V) Q205 (FL, FR, C, SL, SR) Q206(FL, FR, C, SL, SR) u-COM Pin No. (95) CP (401)
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 center mute control PORT check. D) SURR-BACK Mute transistor's out and inferior. μ -Com surround mute control PORT check.	Q (511) IC101 Pin No. (27) Q (509) IC101 Pin No. (26) Q (510) IC101 Pin No. (24) Q (507) IC101 Pin No. (25)

Symptom	Cause and Remedy	Ref No.
Bass / Treble Control Failure.	A) Volume IC check. 1. Resister/Capacitor correction figure check.(Bass) 2. Resister/Capacitor correction figure check.(Treble)	I.C401 I.C401 PIN No. (9,10,13,14) I.C401 PIN No. (11,15)
AMP Sound Dead. 1. "LEFT" Channel dead. 2. "RIGHT" Channel dead. 3. "CENTER" Channel dead. 4. "REAR" 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) Volume IC check. 1. I.C voltage check +7.5 V, -7.5V 2. I.C control data check. 3. I.C signal IN/OUT check.	Q507,Q509,Q510,Q511 CP (401) I.C No. (401) I.C Pin No. (16,18) I.C PIN No. (68,69,70)
AC-3/DTS Failure. (DSP Sound Mode)	A) I.C Regulator check. DSP CORE +1.8V CODEC +5V,CODEC / DSP I/O +3.3V B) DIR check. 1. OSC check. 2. BICK, LRCK, RDATA Check. 3. Micom Interface Port Check. C) DSP Check. 1. LRCK Check. 2. Micom Interface Port Check. 3. SDATA 1, 2, 3,4 Check. D) D/A Check. 1. LRCK/BCK/SDATA check. 2. Signal out check.	I.C1015 I.C 1126 , I.C1016 I.C1008 X-TAL (1000) I.C Pin No. (15) (16) (14) I.C Pin No. (21,22,31) I.C No. (1005) I.C Pin No. (22) I.C Pin No.(93,95,96,97,99,100,102) I.C Pin No. (131,132,134,135) I.C No. (1008) I.C Pin No. (17,18,19) I.C Pin No. (49,47,45,43,41,39,37,35)
Video Output Dead.	A) Video Regulator voltage check. 1. DC voltage check. +12V B) Micom control data check. C) Video Mute(MONTOR,V1 OUT) port check.(IC101)	I.C No. (200,201,203,205) I.C Pin No. (58,59,63,65) I.C Pin No. (56,57,60,61)
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&MPX IC check. 1. PLL&MPX I.C B+(5)V,B+(3.3)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+(3.3)V check. 2. Micom control data check.	I.C NO. (1) / I.C Pin No. (8,21) I.C No. (402) I.C Pin No. (70,71,72,77,78)
AM Failure.	A) PLL&MPX IC check. 1. PLL&MPX I.C B+(5)V,B+(3.3)V check. 2. PLL control data check (Data/CE/Clock) B) TUNER B+ voltage inferior. C) AM OSC COIL inferior. D) μ -COM I.C & Resonator inferior. 1. μ -COM I.C B+(3.3)V check. 2. Micom control data check.	I.C NO. (1) / I.C Pin No. (8,21) I.C No. (402) I.C Pin No. (70,71,72,77,78)
Stereo Effect Failure. Stereo does not light up.	A) FM DET COIL Inferior. B) PLL&MPX IC check. 1. PLL&MPX I.C B+(5)V,B+(3.3)V check. 2. MPX control data check. C) μ -COM I.C & Resonator inferior. 1. μ -COM IC B+(3.3)V check 2. Micom control data check.	I.C No. (402) I.C Pin No. (70,71,72,77,78)
Tuner Sound Dead. 1. "L / R" Channel dead. 2. "LEFT" Channel dead. 3. "RIGHT" Channel dead.	A) Connector's disconnection or disjunction. Change or Close insertion of the connector. B) FM DET COIL inferior. C) AM IFT COIL inferior. D) PLL&MPX IC check. 1. Signal IN/OUT terminal. 2. I.C driving voltage check. +5V,+3V	I.C NO. (1) / I.C Pin No. (8,21)

MECHANICAL PARTS LIST

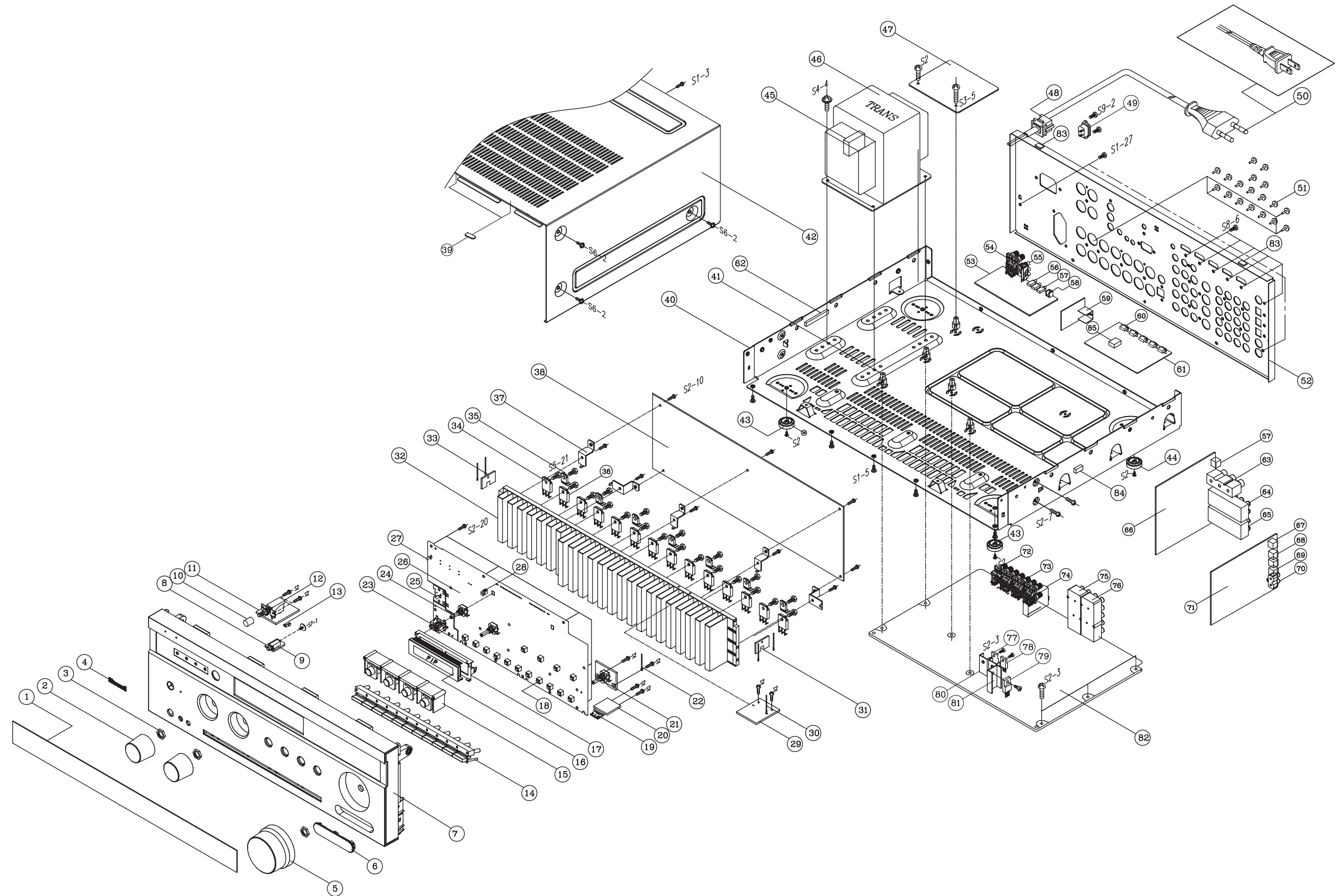
		RD8504(A/BLACK)		RD8504(G/BLACK)		R774(A/BLACK)	
NO	PART NAME	HK080901		HK090301		HK090302	
1	WINDOW DISPLAY (ACRYL WINE)	5077212653000S	1	←	1	←	1
2	FUNCTION KNOB	5080211941000S	2	←	2	←	2
3	NUT		3		3		3
4	BADGE	5630210051000S	1	←	1	5637210058000S	1
5	MASTER KNOB	5080211701000S	1	←	1	←	1
6	COVER RCA	4317214381000S	1	←	1	←	1
7	PANFL FRONT	3067214121010S	1	3067214121120S	1	3067214121020S	1
8	HEADPHONE JACK	G402PJ619AG0YS	1	←	1	←	1
9	HEADPHONE PCB	7027068534M10	1	←	1	←	1
10	POWER KNOB	5090213561000S	1	←	1	←	1
11	POWER BUTTON	G000122006060S	1	←	1	←	1
12	POWER PCB	7027068533M10	1	←	1	←	1
13	LENS	5160040643010S	1	←	1	←	1
14	BUTTON 11KEY	5097212771301S	1	←	1	←	1
15	BUTTON 4KEY	5090213711000S	1	←	1	←	1
16	FLT	K530080300010S	1	←	1	←	1
17	FLT HOLDER	432004078301AS	1	←	1	←	1
18	TACT	G180000270010S	15	←	15	←	15
19	BLUETOOTH JACK	L002281090010S	1	G606040320000S	1	←	1
20	BLUETOOTH PCB	7020067400001S	1	7020067410002S	1	←	1
21	MASTER VOLUMF FNCODFR	G121123050010S	1	←	1	←	1
22	CLAMP	4330000310000S	1	←	1	←	1
23	MINI JACK 3.5D	G401035180050S	2	←	2	←	2
24	INPUT SELECT ENCODFR	G121123070010S	1	←	1	←	1
25	STANDBY LED	K500032000160S	1	←	1	←	1
26	FRONT PCB	7020067410002S	1	←	1	←	1
27	SPEAKFR LFD	K500032000160S	1	←	1	←	1
28	REMOCON SENSOR	E940343800010S	1	←	1	←	1
29	CENTE GUIDE PCB	7028068524010	1	←	1	←	1
30	CLAMP	4330000120000S	5	←	5	←	5
31	RIGHT GUIDE PCB	7028068523010	1	←	1	←	1
32	MAIN HEAT SINK	2120210818300S	1	←	1	←	1
33	LFFT GUIDE	7027068522M10	1	←	1	←	1
34	MAIN TR-1	J5011560Y0000S	1	←	1	←	1
35	SUB TR	J502396400010S	1	←	1	←	1
36	MAIN TR-2	J5032390Y0000S	1	←	1	←	1
37	BRACKET	4010056906010S	5	←	5	←	5
38	AMP PCB	7020065020001S	1	←	1	←	1
39	TOP CUSHION	1210210235000S	4	←	4	←	4
40	CHASSIS MAIN	3200212596000S	1	←	1	←	1
41	SPACER	4300040561010S	5	←	5	←	5
42	COVER TOP	3007211266000S	1	←	1	←	1
43	FOOT(GOLD)	4000040201040S	2	←	2	←	2
44	FOOT(BLACK)	4000040201010S	2	←	2	←	2
45	TRANS CUSHION	4050211365000S	1	←	1	←	1
46	TRANS	8200960610580S	1	8200960660600S	1	8200960610580S	1
47	STANDBY PCB	7020067640000S	1	←	1	←	1
48	STOPPFR	4380040162010S	1	←	1		1
49	AC INLFT		1		1	G430000180010S	1
50	AC CORD	L068125100050S	1	L068250250100S	1	L068125130010S	1
51	BUSHING			2410040353010S	18		
52	CHASSIS BACK	3207213146000S	1	3207213146100S	1	3207213146200S	1
53	SPEAKER PCB	7020068560000S	1	←	1	←	1

		RD8504(A/BLACK)		RD8504(G/BLACK)		R774(A/BLACK)	
NO	PART NAME	HK080901		HK090301		HK090302	
54	SPEAKER TERMINAL 4PIN	G612405F0900YS	1	←	1	←	1
55	RCA 3PIN	G60631901B20YS	1	←	1	G606319CG01BYS	1
56	I-POD JACK	G40100350000YS	1	←	1	←	1
57	MINI JACK 3.5D					G401035320010S	3
58	BRACKET	4010210196100S	1	←	1		1
59	RF ANI					E100060000012S	1
60	HDMI JACK	L109100190050S	1	←	1	←	1
61	HDMI PCB	7027068601M10	1	←	1	←	1
62	CUSHION			4050211705000S	1		
63	RCA 3PIN JACK	G606354A0040YS	1	←	1	G606354AG04GYS	1
64	RCA 10PIN JACK	G608832V1020MS	1	←	1	G606832V2020MS	1
65	RCA 10PIN JACK	G608832V1030MS	1	←	1	G606832V2030MS	1
66	VIDEO PCB	7027068571M10	1	←	1	←	1
67	SIRIUS JACK	G403515397000S	1			G403515397000S	1
68	OPICAL JACK(OUT)	E100116500030S	1	←	1	←	1
69	OPICAL JACK(IN)	E100116500040S	2	←	2	←	2
70	RCA 2PIN JACK	G601206A0200YS	1	←	1	G601206AG020YS	1
71	DSP PCB	7027068581M10	1	←	1	←	1
72	SPEAKER TERMINAL 6PIN	G613061270800S	1	←	1	←	1
73	SPEAKER TERMINAL 8PIN	G614108V1060MS	1	←	1	←	1
74	TUNER	E903001000010S	1	←	1	←	1
75	RCA 10PIN JACK	G608670VB030MS	1	←	1	G608270VB030MS	1
76	RCA 10PIN JACK	G608670VB040MS	1	←	1	G608270VB040MS	1
77	SUB TR-1	J126780500110S	1	←	1	←	1
78	SUB TR-2	J126781200040S	1	←	1	←	1
79	SUB TR-3	J126791200060S	1	←	1	←	1
80	HEAT SINK	2120000818020S	1	←	1	←	1
81	HEAT SINK	2120044308010S	1	←	1	←	1
82	HEAT SINK	7027068521M10	1	←	1	←	1
83	GASKET	4400210459000S	2	←	2	←	2
84	GASKET	4400210479000S	1	←	1	←	1
85	HEAT SINK	2120210728000S	1	←	1	←	1

NO	PART NAME	RD8504(A/BLACK)	Q'TY	RD8504(G/BLACK)	Q'TY	R774(A/BLACK)	Q'TY
S1	SCREW (+2S 3*10 DOT BK)	B020030103B11S	30	←	30	←	30
S2	SCREW (+2S 3*8 ZNY/BH)	B020030081B10S	63	←	63	←	63
S3	SCREW (+2S 3*18 ZNY/BH)	B020030181B10S	5	←	5	←	5
S4	SCREW (+3S 4*10 ZNY/BH)	B028940101B10S	4	←	4	←	4
S5	SCREW (+2S 3*14 ZNY/HH)	B018230141H11S	21	←	21	←	21
S6	SCREW (+2S 4*8 BK/BH)	1500040083B10S	6	←	6	←	6
S7	SCREW (+2S 3*8 PI12 WASHER)	1500001456010S	1	←	1	←	1
S8	SCREW (+3S 3*8 BK/BH)	B020930083B10S	5	←	5	←	6
S9	SCREW (+2S 3*10 BK/FH)					B020030103F10S	2

EXPLODED VIEW

Model : RD-8504/R-774



ELECTRICAL PARTS LIST

• A: R-774, RD-8504(USA 120V/60Hz), G: RD-8504 only(RDS 230V/50Hz)

REF_No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
PCB1	ASSEMBLY P.C.B BOARD MAIN		7028068525010	A(R-774)
PCB1	ASSEMBLY P.C.B BOARD MAIN		7028068521010	A(RD-8504)
PCB1	ASSEMBLY P.C.B BOARD MAIN		7028068521020	G(RD-8504)
	CAPACITORS			
C326	C,ELECT GE 85C 18000 uF 16V M	1	D040183083001S	A/G
C327	C,ELECT GE 85C 4700 uF 25V M	1	D040472084020S	A/G
C347 ~ C353	C,CERAMIC HIK DISC 0.047 uF 50V Z	7	D004473597050S	A/G
C354 ~ C355	C,CERAMIC SEMI DISC 0.1 uF 50V Z	2	D006104597050S	A/G
C400C/FL/FR/SBL/SBR/S L/SR	C,FILM POLYESTER 0.01 uF 100V J	7	D02010306C060S	A/G
C401 ~ C402	C,ELECT GE 85C 1 uF 50V M	2	D040010087150S	A/G
C404	C,ELECT GE 85C 330 uF 63V M	1	D040331088230S	A/G
C405	C,ELECT GE 85C 4.7 uF 50V M	1	D0404R7087250S	A/G
C406	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C407 ~ C413	C,FILM POLYESTER 0.1 uF 100V J	7	D02010406C060S	A/G
C414	C,CERAMIC CHIP HIK 0.01 uF 50V Z	1	D011103597160S	A/G
C415 ~ C417	C,CERAMIC CHIP HIK 0.1 uF 50V Z	3	D011104597160S	A/G
C418 ~ C419	C,ELECT GE 85C 1 uF 50V M	2	D040010087150S	A/G
C421	C,ELECT GE 85C 330 uF 10V M	1	D040331082070S	A/G
C423	C,CERAMIC CHIP HIK 0.01 uF 50V Z	1	D011103597160S	A/G
C424	C,ELECT GE 85C 2.2 uF 50V M	1	D0402R2087160S	A/G
C425	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C427	C,CERAMIC CHIP HIK 0.01 uF 50V Z	1	D011103597160S	A/G
C428	C,ELECT GE 85C 330 uF 10V M	1	D040331082070S	A/G
C429	C,ELECT GE 85C 4700 uF 25V M	1	D040472084020S	A/G
C430	C,ELECT GE 85C 2200 uF 25V M	1	D040222084000S	A/G
C431	C,ELECT GE 85C 470 uF 10V M	1	D040471082060S	A/G
C433 ~ C435	C,FILM POLYESTER 0.1 uF 100V J	3	D02010406C060S	A/G
C436	C,ELECT GE 85C 100 uF 10V M	1	D040101082090S	A/G
C437 ~ C439	C,FILM POLYESTER 0.1 uF 100V J	3	D02010406C060S	A/G
C440 ~ C441	C,ELECT GE 85C 6800 uF 63V M	2	D040682088010S	A/G
C442 ~ C444	C,FILM POLYESTER 0.1 uF 100V J	3	D02010406C060S	A/G
C448	C,FILM POLYESTER 0.1 uF 250V K	1	D02010407H080S	A/G
C449SW	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C450	C,FILM POLYESTER 0.1 uF 250V K	1	D02010407H080S	A/G
C450SW	C,CERAMIC CHIP T.C 33 pF 50V J	1	D010330167160S	A/G
C451SW	C,CERAMIC CHIP HIK 680 pF 50V K	1	D011681777160S	A/G
C452 ~ C454	C,FILM POLYESTER 0.1 uF 250V K	3	D02010407H080S	A/G
C455 ~ C457	C,CERAMIC CHIP HIK 0.1 uF 50V Z	3	D011104597160S	A/G
C462 ~ C463	C,CERAMIC CHIP HIK 0.01 uF 50V Z	2	D011103597160S	A/G
C464 ~ C466	C,CERAMIC CHIP HIK 0.1 uF 50V Z	3	D011104597160S	A/G
C467 ~ C468	C,CERAMIC CHIP HIK 0.01 uF 50V Z	2	D011103597160S	A/G
C468L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C469, C4699, C470 ~ C484	C,CERAMIC CHIP HIK 0.1 uF 50V Z	17	D011104597160S	A/G
C504C/L/LB/SL	C,CERAMIC SEMI DISC 0.1 uF 50V Z	4	D006104597050S	A/G
C504SW	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C505L/R	C,CERAMIC CHIP T.C 100 pF 50V J	2	D010101167160S	A/G
C510L/R	C,CERAMIC CHIP T.C 220 pF 50V J	2	D010221167160S	A/G
C511L/R	C,CERAMIC CHIP T.C 220 pF 50V J	2	D010221167160S	A/G
C514L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C516L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C517L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C518L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C519L/R, C520	C,ELECT GE 85C 10 uF 50V M	4	D040100087070S	A/G
C520L/R	C,ELECT GE 85C 4.7 uF 50V M	2	D0404R7087250S	A/G
C523	C,ELECT GE 85C 4.7 uF 50V M	1	D0404R7087250S	A/G
C523L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C524	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	A/G
C525	C,ELECT GE 85C 4.7 uF 50V M	1	D0404R7087250S	A/G
C528	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	A/G
C531 ~ C532	C,ELECT GE 85C 47 uF 16V M	2	D040470083080S	A/G
C539L/R	C,CERAMIC CHIP T.C 220 pF 50V J	2	D010221167160S	A/G
C540L/R	C,CERAMIC CHIP T.C 220 pF 50V J	2	D010221167160S	A/G
C542	C,ELECT GE 85C 4.7 uF 50V M	1	D0404R7087250S	A/G
C542SW	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C543	C,ELECT GE 85C 220 uF 10V M	1	D040221082080S	A/G
C543L/R	C,CERAMIC CHIP T.C 220 pF 50V J	2	D010221167160S	A/G
C544	C,ELECT GE 85C 100 uF 10V M	1	D040101082090S	A/G
C544SW1	C,CERAMIC CHIP HIK 1000 pF 50V K	1	D011102777160S	A/G
C545 ~ C546	C,ELECT GE 85C 100 uF 10V M	2	D040101082090S	A/G
C546C/FL/FR/SBL/SBR/S L/SR/SW	C,CERAMIC CHIP T.C 100 pF 50V J	8	D010101167160S	A/G
C547C/FL/FR/SBL/SBR/S L/SR/SW	C,ELECT GE 85C 10 uF 50V M	8	D040100087070S	A/G
C548SW	C,CERAMIC CHIP T.C 47 pF 50V J	1	D010470167160S	A/G

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
C549SW	C,CERAMIC CHIP HIK 0.047 uF 50V Z	1	D011473597160S	A/G
C550	C,CERAMIC CHIP HIK 0.022 uF 50V Z	1	D011223597160S	A/G
C551SW	C,CERAMIC CHIP HIK 0.047 uF 50V Z	1	D011473597160S	A/G
C552C/FL/FR/LB/RB/SL/SR	C,ELECT GE 85C 4.7 uF 50V M	7	D0404R7087250S	A/G
C552SW	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C553	C,CERAMIC CHIP HIK 0.047 uF 50V Z	1	D011473597160S	A/G
C554	C,ELECT GE 85C 100 uF 16V M	1	D040101083090S	A/G
C555, C560, C562 ~ C565, C569	C,CERAMIC CHIP T.C 100 pF 50V J	7	D010101167160S	A/G
C571	C,CERAMIC CHIP HIK 0.047 uF 50V Z	1	D011473597160S	A/G
C574	C,CERAMIC CHIP HIK 0.01 uF 50V Z	1	D011103597160S	A/G
C579	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C580	C,CERAMIC CHIP HIK 3300 pF 50V K	1	D011332777160S	A/G
C581	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C582	C,CERAMIC CHIP HIK 3300 pF 50V K	1	D011332777160S	A/G
C583	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C585 ~ C587	C,CERAMIC CHIP T.C 220 pF 50V J	3	D010221167160S	A/G
C593 ~ C594, C598	C,CERAMIC CHIP HIK 0.1 uF 50V Z	3	D011104597160S	A/G
COILS				
BD401 ~ BD402, BD404 ~ BD407, BD409 ~ BD411	COIL,BEAD	9	D340160811210S	A/G
BD413	COIL,BEAD	1	D340160811210S	G(RD-8504)
BD428	COIL,BEAD	1	D340160811210S	A/G
L402	COIL,FILTER-INDUCTOR	1	D330221010520S	A
L403, L406 ~ L407	COIL,LINE FILTER	3	D320255000520S	A/G
CONNECTORS				
CP409	CN.WAFER 1.5MM	1	L100151040010S	A
CP400	CN.WAFER 7.92MM	1	L108353280360S	A/G
CP401	CN.WAFER 2.5MM	1	L102526700600S	A/G
CP402	CN.WAFER 2.0MM	1	L101200100810S	A/G
CP403	CN.WAFER 2.0MM	1	L101200100410S	A/G
CP405	CN.WAFER 2.0MM	1	L101100041210S	A/G
CP406	CN.WAFER 2.5MM	1	L102526700400S	A/G
CP409	CN.WAFER 1.5MM	1	L100151040010S	G(RD-8504)
CP410	CN.WAFER 2.0MM	1	L101200100910S	A
CP410	CN.WAFER 2.0MM	1	L101200100510S	G(RD-8504)
CP411	CN.WAFER 2.5MM	1	L102526701510S	A/G
CP413	CN.WAFER 1.5MM	1	L100151160010S	A/G
CP415	CN.WAFER 2.0MM	1	L101100041010S	A/G
CP416	CN.FPC 1.25MM	1	L131007100010S	A/G
CP417	CN.WAFER 2.0MM	1	L101200100710S	A/G
CP418	CN.WAFER 1.5MM	1	L100151150010S	A/G
CP419	CN.WAFER 1.5MM	1	L100151080010S	A/G
CP420	CN.WAFER 3.96MM	1	L104353130360S	A/G
CP421	CN.WAFER 1.5MM	1	L100151190010S	A/G
FPC401	CN.FPC 1.25MM	1	L131111900010S	A/G
FPC402	CN.FPC 1.25MM	1	L131111300010S	A/G
DIODES				
D401 ~ D402	D.SWITCHING	2	K000400700010S	A/G
D403	D.SWITCHING CHIP	1	K005041480030S	A/G
D405	D.SWITCHING	1	K000400700010S	A/G
D406 ~ D407	D.SWITCHING CHIP	2	K005041480030S	A/G
D410 ~ D414, D419	D.SWITCHING	6	K000013300520S	A/G
D420 ~ D422, D427	D.SWITCHING CHIP	4	K005041480030S	A/G
D428 ~ D432	D.SWITCHING	5	K000400700010S	A/G
D434 ~ D436	D.RECTIFIER BRIDGE	3	K04760400020S	A/G
D440 ~ D441	D.SWITCHING	2	K000400700010S	A/G
D501 ~ D512	D.SWITCHING CHIP	12	K005041480030S	A/G
D513	D.SWITCHING	1	K000013300520S	A/G
D515 ~ D519	D.SWITCHING CHIP	5	K005041480030S	A/G
D520	D.SWITCHING	1	K000013300520S	A/G
D521	D.SWITCHING CHIP	1	K005041480030S	A
D523	D.SWITCHING	1	K000013300520S	A/G
DZ400 ~ DZ401	D.ZENER CHIP	2	K06616R04P400S	A/G
DZ402	D.ZENER CHIP	1	K06603R34P400S	A/G
DZ403	D.ZENER CHIP	1	K06605R14P400S	A/G
DZ404 ~ DZ405	D.ZENER CHIP	2	K06607R54P400S	A/G
DZ406	D.ZENER CHIP	1	K06605R14P400S	A/G
DZ407	D.ZENER CHIP	1	K06607R54P400S	A/G
DZ408	D.ZENER	1	K06002R444520S	A/G
DZ409	D.ZENER CHIP	1	K06607R54P400S	A/G
INTERGRATED CIRCUITS				
IC401	IC,ELECT VR	1	J084119700010S	A/G
IC402	IC,CPU MICRO PROCESS	1	J020306200070S	A/G

REF. No.	DESCRIPTION					Q'TY.	PARTS No.	VER.
IC403	IC, MEMORY-EEPROM					1	J000241600050S	A/G
IC404	IC, LOGIC					1	J040405300160S	A/G
IC405	IC, LINEAR OP					1	J121455800150S	A/G
IC406	IC, LINEAR-REGULATOR					1	J126791200060S	A/G
IC407	IC, LINEAR-REGULATOR					1	J126781200040S	A/G
IC408	IC, LINEAR-REGULATOR					1	J126780500110S	A/G
IC409	IC, LINEAR-REGULATOR					1	J126781200040S	A/G
IC410	IC, LINEAR-REGULATOR					1	J126780500110S	A
	JACKS							
JACK401	TER, RCA					1	G608670VB040MS	A/G
JACK402	TER, RCA					1	G608670VB030MS	A/G
JACK403	TER, BOARD SCREW 8P					1	G614108V1060MS	A/G
JACK404	TER, BOARD SCREW 6P					1	G613061270800S	A/G
	RESISTORS							
BD403	R, CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S	A/G	G(RD-8504)
BD412	R, CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S	A/G	
BD414 ~ BD425	R, CHIP THICK	0 ohm	1/16W	J	12	C20000006M160S	A/G	
J123, J125, J127, J132	R, CHIP THICK	0 ohm	1/16W	J	4	C20000006M160S	A/G	
J139 ~ J140, J142	R, CHIP THICK	0 ohm	1/8W	J	3	C200000061300S	A/G	
J150	R, CHIP THICK	0 ohm	1/8W	J	1	C200000061300S	A	
J342	R, CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S	A/G	
J346, J354, J356 ~ J357	R, CHIP THICK	0 ohm	1/8W	J	4	C200000061300S	A/G	
J359	R, CHIP THICK	0 ohm	1/16W	J	1	C20000006M160S	A	
J361, J369, J389, J392 ~ J393, J398, J400 ~ J402, J414, J416, J426, J430 ~ J431	R, CHIP THICK	0 ohm	1/8W	J	14	C200000061300S	A/G	
R404	R, METAL FILM 100PPM	4.7 ohm	1.0W	J	1	C0604R7065050S	A/G	
R405	R, CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	A/G	
R406 ~ R412	R, CARBON FILM	22 kohm	1/5W	J	7	C00002236P520S	A/G	
R413	R, METAL FILM 100PPM	22 ohm	1/4W	J	1	C060022063050S	A/G	
R414	R, CHIP THICK	15 kohm	1/16W	J	1	C20001536M160S	A/G	
R415 ~ R421	R, METAL FILM 100PPM	10 ohm	1.0W	J	7	C060010065050S	A/G	
R422 ~ R423	R, CHIP THICK	47 kohm	1/16W	J	2	C20004736M160S	A/G	
R424	R, METAL FILM 100PPM	47 kohm	1/4W	J	1	C060047363050S	A/G	
R425	R, CARBON FILM	27 kohm	1/5W	J	1	C00002736P520S	A/G	
R426 ~ R427	R, CARBON FILM	47 ohm	1/5W	J	2	C00004706P520S	A/G	
R428 ~ R429	R, CHIP THICK	27 kohm	1/16W	J	2	C20002736M160S	A/G	
R430	R, CHIP THICK	43 kohm	1/16W	J	1	C20004336M160S	A/G	
R431	R, CHIP THICK	3 kohm	1/16W	J	1	C20003026M160S	A/G	
R431SW	R, CARBON FILM	47 ohm	1/5W	J	1	C00004706P520S	A/G	
R432	R, CHIP THICK	3.6 kohm	1/16W	J	1	C20003626M160S	A/G	
R433SW	R, CHIP THICK	7.5 kohm	1/16W	J	1	C20007526M160S	A/G	
R434SW	R, CHIP THICK	1.2 kohm	1/16W	J	1	C20001226M160S	A/G	
R435	R, CHIP THICK	560 kohm	1/16W	J	1	C20005646M160S	A/G	
R436	R, METAL FILM 100PPM	2.2 kohm	1.0W	J	1	C060022265050S	A/G	
R436SW	R, CHIP THICK	100 ohm	1/16W	J	1	C20001016M160S	A/G	
R437SW	R, CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	A/G	
R438	R, METAL FILM 100PPM	2.2 kohm	1.0W	J	1	C060022265050S	A/G	
R439	R, CHIP THICK	2.7 kohm	1/16W	J	1	C20002726M160S	A/G	
R440	R, CHIP THICK	56 kohm	1/16W	J	1	C20005636M160S	A/G	
R441	R, CHIP THICK	47 ohm	1/16W	J	1	C20004706M160S	A/G	
R442	R, METAL FILM 100PPM	2.2 kohm	1.0W	J	1	C060022265050S	A/G	
R443	R, CHIP THICK	3 kohm	1/16W	J	1	C20003026M160S	A/G	
R444	R, CHIP THICK	47 ohm	1/16W	J	1	C20004706M160S	A/G	
R445	R, CARBON FILM	22 kohm	1/5W	J	1	C00002236P520S	A/G	
R446	R, CARBON FILM	1 kohm	1/5W	J	1	C00001026P520S	A/G	
R447	R, CHIP THICK	560 kohm	1/16W	J	1	C20005646M160S	A/G	
R448	R, CHIP THICK	33 kohm	1/16W	J	1	C20003336M160S	A/G	
R449	R, CARBON FILM	10 ohm	1/5W	J	1	C00001006P520S	A/G	
R450	R, CARBON FILM	2.2 kohm	1/5W	J	1	C00002226P520S	A/G	
R451 ~ R452	R, CEMENT RADIAL FORM	0.1 ohm	5.0W	J	2	C141R10069010S	A/G	
R453	R, CARBON FILM	51 kohm	1/5W	J	1	C00005136P520S	A/G	
R454 ~ R455	R, METAL FILM 100PPM	0.22 ohm	1.0W	J	2	C060R22065050S	A/G	
R457 ~ R458	R, CARBON FILM	51 kohm	1/5W	J	2	C00005136P520S	A/G	
R460	R, CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	A/G	
R461	R, METAL FILM 100PPM	0.22 ohm	1.0W	J	1	C060R22065050S	A/G	
R462	R, CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	A/G	
R463	R, METAL FILM 100PPM	0.22 ohm	1.0W	J	1	C060R22065050S	A/G	
R466 ~ R467	R, METAL FILM 100PPM	470 ohm	2.0W	J	2	C060047166520S	A/G	
R468	R, CHIP THICK	43 kohm	1/16W	J	1	C20004336M160S	A/G	
R469	R, CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	A/G	
R470 ~ R471	R, CEMENT RADIAL FORM	0.1 ohm	5.0W	J	2	C141R10069010S	A/G	
R472	R, CARBON FILM	47 ohm	1/5W	J	1	C00004706P520S	A/G	

REF No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
R473 ~ R475	R,CHIP THICK 10 kohm 1/16W	J 3	C20001036M160S	A/G
R478	R,CARBON FILM 47 ohm 1/5W	J 1	C00004706P520S	A/G
R479 ~ R480	R,CHIP THICK 100 kohm 1/16W	J 2	C20001046M160S	A/G
R482	R,CARBON FILM 180 ohm 1/5W	J 1	C00001816P520S	A/G
R485	R,CHIP THICK 470 kohm 1/16W	J 1	C20004746M160S	A/G
R486	R,CHIP THICK 1 kohm 1/16W	J 1	C20001026M160S	A/G
R487	R,CHIP THICK 47 kohm 1/16W	J 1	C20004736M160S	A/G
R490 ~ R491	R,CARBON FILM 33 kohm 1/5W	J 2	C00003336P520S	A/G
R492 ~ R493	R,CARBON FILM 33 ohm 1/5W	J 2	C00003306P520S	A/G
R494 ~ R495	R,CARBON FILM 47 ohm 1/5W	J 2	C00004706P520S	A/G
R501	R,CHIP THICK 10 kohm 1/16W	J 1	C20001036M160S	A/G
R502	R,CHIP THICK 100 kohm 1/16W	J 1	C20001046M160S	A/G
R503	R,CHIP THICK 10 kohm 1/16W	J 1	C20001036M160S	A/G
R504	R,CHIP THICK 1 kohm 1/16W	J 1	C20001026M160S	A/G
R504C/F/RB/SR	R,CHIP THICK 470 kohm 1/16W	J 4	C20004746M160S	A/G
R504SW	R,CHIP THICK 47 kohm 1/16W	J 1	C20004736M160S	A/G
R505	R,CHIP THICK 47 kohm 1/16W	J 1	C20004736M160S	A
R505L/R	R,CHIP THICK 1 kohm 1/16W	J 2	C20001026M160S	A/G
R506	R,CHIP THICK 10 kohm 1/16W	J 1	C20001036M160S	A/G
R506L/R	R,CHIP THICK 100 kohm 1/16W	J 2	C20001046M160S	A/G
R507	R,CHIP THICK 470 kohm 1/16W	J 1	C20004746M160S	A/G
R508	R,CHIP THICK 1 kohm 1/16W	J 1	C20001026M160S	A/G
R509	R,CHIP THICK 470 kohm 1/16W	J 1	C20004746M160S	A/G
R509L/R	R,CHIP THICK 470 ohm 1/16W	J 2	C20004716M160S	A/G
R510L/R	R,CHIP THICK 220 kohm 1/16W	J 2	C20002246M160S	A/G
R511	R,CHIP THICK 47 ohm 1/16W	J 1	C20004706M160S	A/G
R511L/R	R,CHIP THICK 470 ohm 1/16W	J 2	C20004716M160S	A/G
R512	R,CHIP THICK 47 ohm 1/16W	J 1	C20004706M160S	A/G
R512L/R	R,CHIP THICK 220 kohm 1/16W	J 2	C20002246M160S	A/G
R513 ~ R514	R,CHIP THICK 4.7 kohm 1/16W	J 2	C20004726M160S	A/G
R514L/R	R,CHIP THICK 470 ohm 1/16W	J 2	C20004716M160S	A/G
R515L/R	R,CHIP THICK 220 kohm 1/16W	J 2	C20002246M160S	A/G
R516L/R	R,CHIP THICK 470 ohm 1/16W	J 2	C20004716M160S	A/G
R517L/R	R,CHIP THICK 220 kohm 1/16W	J 2	C20002246M160S	A/G
R518	R,METAL FILM 100PPM 100 ohm 1.0W	J 1	C060010165060S	A/G
R518L/R	R,CHIP THICK 470 ohm 1/16W	J 2	C20004716M160S	A/G
R519	R,METAL FILM 100PPM 100 ohm 1.0W	J 1	C060010165060S	A/G
R519L/R	R,CHIP THICK 220 kohm 1/16W	J 2	C20002246M160S	A/G
R520 ~ R521	R,METAL FILM 100PPM 330 ohm 2.0W	J 2	C060033166050S	A/G
R522	R,METAL FILM 100PPM 5.6 kohm 1.0W	J 1	C060056265050S	A/G
R523	R,METAL FILM 100PPM 470 ohm 1.0W	J 1	C060047165050S	A/G
R526L/R	R,CHIP THICK 100 kohm 1/16W	J 2	C20001046M160S	A/G
R527 ~ R528	R,CHIP THICK 2.2 kohm 1/16W	J 2	C20002226M160S	A/G
R529L/R	R,CHIP THICK 470 ohm 1/16W	J 2	C20004716M160S	A/G
R530C/FL/FR/LB/RB/SL/S R/SW	R,CARBON FILM 1 kohm 1/5W	J 8	C00001026P520S	A/G
R531SW	R,CHIP THICK 3.6 kohm 1/16W	J 1	C20003626M160S	A/G
R532SW1	R,CHIP THICK 47 kohm 1/16W	J 1	C20004736M160S	A/G
R533SW	R,CHIP THICK 4.7 kohm 1/16W	J 1	C20004726M160S	A/G
R534C/R/RB/SR	R,CARBON FILM 1 kohm 1/5W	J 4	C00001026P520S	A/G
R534SW	R,CHIP THICK 1 kohm 1/16W	J 1	C20001026M160S	A/G
R535C/L/LB/R/RB/SL/SR	R,CHIP THICK 470 ohm 1/16W	J 7	C20004716M160S	A/G
R536C/L/LB/R/RB/SL/SR	R,CHIP THICK 2.2 kohm 1/16W	J 7	C20002226M160S	A/G
R537C/L/LB/SL	R,CARBON FILM 470 kohm 1/5W	J 4	C00004746P520S	A/G
R537SW	R,CHIP THICK 470 kohm 1/16W	J 1	C20004746M160S	A/G
R538C/L/LB/R/RB/SL/SR	R,CHIP THICK 100 kohm 1/16W	J 7	C20001046M160S	A/G
R540SW	R,CHIP THICK 100 ohm 1/16W	J 1	C20001016M160S	A/G
R546C/FL/FR/SBL/SBR/S L/SR/SW	R,CHIP THICK 100 ohm 1/16W	J 8	C20001016M160S	A/G
R547C/FL/FR/SBL/SBR/S L/SR/SW	R,CHIP THICK 2200 kohm 1/16W	J 8	C20002256M160S	A/G
R569	R,CHIP THICK 220 kohm 1/16W	J 1	C20002246M160S	A/G
R570	R,CHIP THICK 10 kohm 1/16W	J 1	C20001036M160S	A/G
R572	R,CHIP THICK 4.7 kohm 1/16W	J 1	C20004726M160S	A/G
R573	R,CHIP THICK 47 kohm 1/16W	J 1	C20004736M160S	A/G
R580 ~ R581	R,CARBON FILM 47 ohm 1/5W	J 2	C00004706P520S	A/G
R582	R,CHIP THICK 10 kohm 1/16W	J 1	C20001036M160S	A/G
R583, R585	R,CHIP THICK 47 kohm 1/16W	J 2	C20004736M160S	A/G
R586 ~ R587	R,CARBON FILM 33 kohm 1/5W	J 2	C00003336P520S	A/G
R588	R,CHIP THICK 100 kohm 1/16W	J 1	C20001046M160S	A/G
R589	R,CHIP THICK 1 kohm 1/16W	J 1	C20001026M160S	A/G
R590 ~ R592	R,CHIP THICK 47 ohm 1/16W	J 3	C20004706M160S	A/G
R593 ~ R594	R,CHIP THICK 22 kohm 1/16W	J 2	C20002236M160S	A/G
R595 ~ R598	R,CHIP THICK 47 ohm 1/16W	J 4	C20004706M160S	A/G

REF. No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
R599	R,CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	A/G
R600	R,CHIP THICK 220 kohm 1/16W J	1	C20002246M160S	A/G
TRANSISTORS				
Q401	SEMI,TR/GE PNP 2SA	1	J5000916Y0050S	A/G
Q403	SEMI,TR/GE PNP 2SA	1	J5001268B0050S	A/G
Q404	SEMI,TR/GE NPN 2SC	1	J5023198Y0000S	A/G
Q407 ~ Q410	SEMI,CHIP TR/NPN 2SC	4	J522010500210S	A/G
Q411 ~ Q412	SEMI,TR/GE NPN 2SC	2	J5023198Y0000S	A/G
Q413	SEMI,CHIP TR/NPN 2SC	1	J522010500210S	A/G
Q414 ~ Q415	SEMI,TR/GE NPN 2SC	2	J5023198Y0000S	A/G
Q416	SEMI,TR/GE PNP 2SA	1	J5001268B0050S	A/G
Q417	SEMI,TR/GE NPN 2SC	1	J5023198Y0000S	A/G
Q418 ~ Q419	SEMI,TR/GE PNP 2SA	2	J5001268B0050S	A/G
Q420 ~ Q421	SEMI,TR/GE NPN 2SC	2	J5023198Y0000S	A/G
Q422 ~ Q424	SEMI,TR/GE PNP 2SA	3	J5001268B0050S	A/G
Q427	SEMI,CHIP TR/NPN 2SC	1	J522010500210S	A/G
Q428	SEMI,CHIP TR/PNP 2SA	1	J520010500210S	A/G
Q429 ~ Q430	SEMI,CHIP TR/NPN 2SC	2	J5222875B0010S	A/G
Q507 ~ Q511	SEMI,CHIP TR/PNP 2SA	5	J520010500210S	A/G
Q512 ~ Q517	SEMI,CHIP TR/NPN 2SC	6	J5222875B0010S	A/G
Q518, Q522	SEMI,CHIP TR/PNP 2SA	2	J520010500210S	A/G
Q523, Q543	SEMI,CHIP TR/NPN 2SC	2	J5222875B0010S	A/G
Q544 ~ Q545	SEMI,CHIP TR/NPN 2SC	2	J522010200210S	A/G
Q546	SEMI,CHIP TR/PNP 2SA	1	J520010200210S	A/G
MISCELLANEOUS				
CN401	CN,WIRE 2MM	1	L002231140030S	A/G
F401 ~ F402	FUSE,MICRO	2	G658202250050S	A/G
GND405, GND407 ~ GND409	TERMINAL	4	3790040886000S	A/G
HSINK402 ~ HSINK404	HEAT SINK	3	2120000818020S	A/G
J102 ~ J115, J118 ~ J119, J121 ~ J122, J124, J126, J128 ~ J131, J135, J137 ~ J138, J141, J143 ~ J146, J148 ~ J149, J153 ~ J157, J160, J162 ~ J163, J165 ~ J185, J187 ~ J201, J203 ~ J239	CN,WIRE 1P	115	L045084006040S	A/G
J240	CN,WIRE 1P	1	L045084006040S	A
J241	CN,WIRE 1P	1	L045084006040S	A/G
J242	CN,WIRE 1P	1	L045084006040S	A
J243 ~ J255, J257 ~ J260, J262 ~ J312, J328 ~ J329, J331, J333 ~ J341, J343 ~ J345, J347 ~ J353, J355, J358, J360, J363 ~ J368, J370 ~ J377, J379 ~ J381, J383 ~ J388, J390 ~ J391, J394 ~ J397, J399, J403 ~ J409, J411, J413, J415, J417 ~ J420, J424 ~ J425, J427 ~ J429	CN,WIRE 1P	142	L045084006040S	A/G
PACK401	TUNER,FM/AM	1	E903001000010S	A
PACK401	TUNER,FM/AM	1	E903104100010S	G
RLY401 ~ RLY405	RELAY	5	G680120502050S	A/G
WIRE10AB	CN,WIRE	1	L000141020120S	A/G
WIRE20AB	CN,WIRE	1	L000101010100S	A/G
WIRE30AB	CN,WIRE	1	L000600010040S	A/G
XTAL401	RESONATOR,CERAMIC	1	E830120000060S	A/G
	P.C.B	1	7020068520000S	A/G
	HEAT SINK	1	2120044308010S	A/G
	SCREW,TAP TITE	4	B020030081B10S	A/G
PCB2	ASSEMBLY P.C.B BOARD GUIDE-L		7028068526010	A(R-774)
PCB2	ASSEMBLY P.C.B BOARD GUIDE-L		7028068522010	A/G
CLAMP301	CLAMP	1	4330000120000S	A/G
CLAMP302	CLAMP	1	4330000120000S	A/G
PCB3	ASSEMBLY P.C.B BOARD GUIDE-R		7028068527010	A(R-774)
PCB3	ASSEMBLY P.C.B BOARD GUIDE-R		7028068523010	A/G(RD-8504)
CLAMP303	CLAMP	1	4330000120000S	A/G
CLAMP304	CLAMP	1	4330000120000S	A/G
PCB4	ASSEMBLY P.C.B BOARD HEATSINK-GUIDE		7028068528010	A(R-774)
PCB4	ASSEMBLY P.C.B BOARD HEATSINK-GUIDE		7028068524010	A/G(RD-8504)
CLAMP305	CLAMP	1	4330000120000S	A/G
PCB5	ASSEMBLY P.C.B BOARD FRONT		7028068537010	A(R-774)
PCB5	ASSEMBLY P.C.B BOARD FRONT		7028068531010	A(RD-8504)

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
PCB5	ASSEMBLY P.C.B BOARD FRONT		7028068531020	G(RD-8504)
	CAPACITORS			
C701 ~ C702	C,CERAMIC CHIP HIK 820 pF 50V K	2	D011821777160S	A/G
C703	C,ELECT GE 85C 47 uF 16V M	1	D040470083080S	A/G
C704	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C705 ~ C706	C,CERAMIC CHIP HIK 820 pF 50V K	2	D011821777160S	A/G
C707	C,FILM POLYESTER 0.047 uF 100V J	1	D02047306C060S	A/G
C708 ~ C709	C,ELECT GE 85C 1 uF 50V M	2	D040010087150S	A/G
C710	C,FILM POLYESTER 0.047 uF 100V J	1	D02047306C060S	A/G
C712 ~ C713	C,CERAMIC CHIP HIK 820 pF 50V K	2	D011821777160S	A/G
C719	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C721	C,ELECT GE 105C 100 uF 10V J	1	D041101062050S	A/G
C727 ~ C728	C,CERAMIC CHIP HIK 0.01 uF 50V K	2	D011103777160S	A/G
C731	C,ELECT GE 105C 10 uF 50V M	1	D041100087000S	A/G
C734, C736	C,ELECT GE 85C 100 uF 10V M	2	D040101082090S	A/G
C743 ~ C745	C,CERAMIC CHIP T.C 100 pF 50V J	3	D010101167160S	A/G
	COILS			
CB709 ~ CB722	COIL,BEAD	14	D340160811210S	A/G
L700	COIL,FILTER-INDUCTOR	1	D330101001020S	A/G
L702	COIL,FILTER-INDUCTOR	1	D330100700520S	A/G
L703 ~ L704	COIL,FILTER-INDUCTOR	2	D330220010520S	G(RD-8504)
	CONNECTORS			
CN716	CN.FPC 1.25MM	1	L131007000010S	A/G
CP705	CN.WAFER 2.5MM	1	L102526803010S	A/G
FPC702	CN.FPC 1.25MM	1	L131101900010S	A/G
	DIODES			
DZ705	D,ZENER CHIP	1	K06607R54P400S	A/G
	INTERGRADED CIRCUITS			
IC701	IC,LINEAR-DRIVER	1	J127163150010S	A/G
	RESISTORS			
J719, J721	R,CHIP THICK 0 ohm 1/8W J	2	C200000061300S	A/G
J723	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M160S	A/G
R702	R,CARBON FILM 68 kohm 1/5W J	1	C00006836P520S	A/G
R703	R,CHIP THICK 68 kohm 1/16W J	1	C20006836M160S	A/G
R704 ~ R731	R,CHIP THICK 56 kohm 1/16W J	28	C20005636M160S	A/G
R732	R,CARBON FILM 68 kohm 1/5W J	1	C00006836P520S	A/G
R733 ~ R734	R,CHIP THICK 68 kohm 1/16W J	2	C20006836M160S	A/G
R735	R,CARBON FILM 68 kohm 1/5W J	1	C00006836P520S	A/G
R737	R,CHIP THICK 82 kohm 1/16W J	1	C20008236M160S	A/G
R738	R,CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	A/G
R739 ~ R740	R,CARBON FILM 47 ohm 1/5W J	2	C00004706P520S	A/G
R746	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R747	R,CHIP THICK 15 kohm 1/16W J	1	C20001536M160S	A/G
R751	R,CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	A/G
R754	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R771	R,CHIP THICK 15 kohm 1/16W J	1	C20001536M160S	A/G
R774	R,CARBON FILM 47 ohm 1/5W J	1	C00004706P520S	A/G
R777	R,CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	A/G
R782	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R783	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	A/G
R784	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G
R785	R,CHIP THICK 1.5 kohm 1/16W J	1	C20001526M160S	A/G
R786	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R788	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G
R789	R,CHIP THICK 1.5 kohm 1/16W J	1	C20001526M160S	A/G
R790	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R791	R,CARBON FILM 3.3 kohm 1/5W J	1	C00003326P520S	A/G
	TRANSISTORS			
Q702	SEMI,CHIP TR/NPN 2SC	1	J522010500210S	A/G
Q703	SEMI,CHIP TR/PNP 2SA	1	J520010500210S	A/G
Q704, Q711	SEMI,CHIP TR/NPN 2SC	2	J522010500210S	A/G
	MISCELLANEOUS			
CN701	CN,WIRE	1	L000800030130S	A/G
CN710	CN,WIRE 2MM	1	L002281070050S	A/G
FLT701	DISPLAY,FLT	1	K530080300010S	A/G
J701, J703, J705 ~ J708, J710 ~ J712, J714 ~ J718, J729, J732 ~ J735	CN,WIRE 1P	19	L045084006040S	A/G
L703 ~ L704	CN,WIRE 1P	2	L045084006040S	A
LED701 ~ LED702	LED,ROUND	2	K500032000160S	A/G
RMC701	MODULE,REMOCON	1	E940238150010S	A/G
SW701, SW703, SW705, SW708 ~ SW709, SW711 ~ SW720	SW,TACT	15	G180000270010S	A/G

REF. No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
VR701, VR704	SW,ENCODER	2	G121123050010S	A/G
	P.C.B	1	7020068530000S	A/G
	HOLDER	1	432004078301AS	A/G
PCB6	ASSEMBLY P.C.B BOARD VOL. ENCODER		7028068538010	A(R-774)
PCB6	ASSEMBLY P.C.B BOARD VOL. ENCODER		7028068532010	A/G(RD-8504)
C741	C,CERAMIC HIK AXIAL 0.01 uF 16V K	1	D005103773531S	A/G
CB703	COIL,BEAD	1	D340160811210S	A/G
VR702	SW,ENCODER	1	G121123070010S	A/G
PCB7	ASSEMBLY P.C.B BOARD POWER S/W		7028068539010	A(R-774)
PCB7	ASSEMBLY P.C.B BOARD POWER S/W		7028068533010	A/G(RD-8504)
CN709	CN,WIRE	1	L000351020160S	A/G
SW700	SW,PUSH	1	G000122006060S	A/G
PCB8	ASSEMBLY P.C.B BOARD HEADPHONE		702806853A010	A(R-774)
PCB8	ASSEMBLY P.C.B BOARD HEADPHONE		7028068534010	A(RD-8504)
PCB8	ASSEMBLY P.C.B BOARD HEADPHONE		7028068534020	G(RD-8504)
C711	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
C726	C,CERAMIC CHIP T.C 470 pF 50V J	1	D010471167160S	A/G
C742	C,CERAMIC CHIP HIK 0.01 uF 50V Z	1	D011103597160S	A/G
CB707, CB724 ~ CB725	COIL,BEAD	3	D340160811210S	A/G
JACK705	JACK,D6.5	1	G402PJ619AG0YS	A/G
CN702	CN,WIRE 2MM	1	L002341040020S	A
CN702	CN,WIRE 2MM	1	L002341040010S	G
WIRE702	RING,TER WIRE	1	8410121010020S	A/G
PCB9	ASSEMBLY P.C.B BOARD AUX		702806853B010	A(R-774)
PCB9	ASSEMBLY P.C.B BOARD AUX		7028068535010	A/G(RD-8504)
C374L/R	C,CERAMIC CHIP T.C 470 pF 50V J	2	D010471167160S	A/G
C716	C,CERAMIC HIK DISC 0.01 uF 50V K	1	D004103777050S	A/G
C718, C720, C722	C,CERAMIC CHIP HIK 0.1 uF 50V Z	3	D011104597160S	A/G
C723 ~ C725	C,ELECT GE 85C 1 uF 50V M	3	D040010087090S	A/G
C729 ~ C730	C,CERAMIC CHIP T.C 100 pF 50V J	2	D010101167160S	A/G
C732 ~ C733	C,CERAMIC CHIP T.C 150 pF 50V J	2	D010151167160S	A/G
C737	C,CERAMIC CHIP T.C 220 pF 50V J	1	D010221167160S	A/G
C738	C,CERAMIC HIK DISC 0.01 uF 50V K	1	D004103777050S	A/G
C739 ~ C740	C,CERAMIC CHIP HIK 0.01 uF 50V K	2	D011103777160S	A/G
C746 ~ C747	C,CERAMIC CHIP HIK 1000 pF 50V K	2	D011102777160S	A/G
CB704, CB706, CB708, CB726, CB728, CB730	COIL,BEAD	6	D340160811210S	A/G
CP716	CN.FPC 1.25MM	1	L131007100010S	A/G
IC702	IC,LINEAR OP	1	J121455800150S	A/G
JACK701 ~ JACK702	JACK,D3.5	2	G401035180050S	A/G
J709	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M160S	A/G
R758	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R759 ~ R762	R,CHIP THICK 100 ohm 1/16W J	4	C20001016M160S	A/G
R763 ~ R764	R,CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	A/G
R765	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R766	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G
R767	R,CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	A/G
R768	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R769	R,CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	A/G
R770, R772	R,CHIP THICK 1.5 kohm 1/16W J	2	C20001526M160S	A/G
R773	R,CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	A/G
R776	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R779L/R	R,CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	A/G
R780L/R	R,CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	A/G
J758 ~ J759	CN,WIRE 1P	2	L045084006040S	A/G
WIRE700	RING,TER WIRE	1	8410600010060S	A/G
PCB10	ASSEMBLY P.C.B BOARD AMP		7028068541010	A(R-774)
PCB10	ASSEMBLY P.C.B BOARD AMP		7028068541010	A/G(RD-8504)
	CAPACITORS			
C201C/FL/FR/SBL/SBR/SL/SR	C,ELECT GE 85C 10 uF 50V M	7	D040100087070S	A/G
C202C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC HIK AXIAL 220 pF 50V K	7	D005221277521S	A/G
C203C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC HIK DISC 220 pF 500V J	7	D00422106D05CS	A/G
C204C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC T.C DISC 33 pF 500V J	7	D00033006D050S	A/G
C205C/FL/FR/SBL/SBR/SL/SR	C,ELECT GE 85C 100 uF 10V M	7	D040101082090S	A/G
C206C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC HIK AXIAL 1000 pF 50V K	7	D005102177531S	A/G
C207C/FL/FR/SBL/SBR/SL/SR	C,ELECT GE 85C 47 uF 50V M	7	D040470087070S	A/G
C208C/FL/FR/SBL/SBR/SL/SR	C,ELECT GE 85C 10 uF 50V M	7	D040100087070S	A/G
C209C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC HIK DISC 100 pF 500V J	7	D00410106D050S	A/G
C210C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC HIK DISC 100 pF 500V J	7	D00410106D050S	A/G
C211C/FL/FR/SBL/SBR/SL/SR	C,CERAMIC HIK AXIAL 0.022 uF 25V Z	7	D005223594521S	A/G
C212	C,ELECT GE 85C 10 uF 100V M	1	D04010008C050S	A/G
	COILS			
L201C/FL/FR/SBL/SBR/SL/SR	COIL,FILTER-INDUCTOR	7	D330900001330S	A/G

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
CP1	CONNECTORS CN.WAFER 2.0MM	1	L101200101410S	A/G
	DIODES			
D201C/FL/FR/SBL/SBR/SL/SR	D.SWITCHING	7	K000013300520S	A/G
	RESISTORS			
R201C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 220 ohm 1/5W J	7	C00002216P520S	A/G
R203C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 8.2 kohm 1/5W J	7	C00008226P520S	A/G
R204C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 33 kohm 1/5W J	7	C00003336P520S	A/G
R205C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 470 kohm 1/5W J	7	C00004746P520S	A/G
R206C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 33 kohm 1/5W J	7	C00003336P520S	A/G
R207C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 1.5 kohm 1/5W J	7	C00001526P520S	A/G
R208C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 47 kohm 1/5W J	7	C00004736P520S	A/G
R209C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 1.2 kohm 1/5W J	7	C00001226P520S	A/G
R210C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 470 ohm 1/5W J	7	C00004716P520S	A/G
R211C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 47 ohm 1/4W J	7	C060047063050S	A/G
R212C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 39 ohm 1/5W J	7	C00003906P520S	A/G
R213C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 910 ohm 1/5W J	7	C00009116P520S	A/G
R214C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 3 kohm 1/5W J	7	C00003026P520S	A/G
R216C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 5.6 kohm 1.0W J	7	C060056265050S	A/G
R217C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 5.6 kohm 1.0W J	7	C060056265050S	A/G
R218C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 4.7 ohm 1.0W J	7	C0604R7065050S	A/G
R219C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 4.7 ohm 1.0W J	7	C0604R7065050S	A/G
R220C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 0.47 ohm 2.0W J	7	C060R47066050S	A/G
R221C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 0.47 ohm 2.0W J	7	C060R47066050S	A/G
R222C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 0.47 ohm 2.0W J	7	C060R47066050S	A/G
R223C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 0.47 ohm 2.0W J	7	C060R47066050S	A/G
R224C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 22 kohm 1/5W J	7	C00002236P520S	A/G
R225C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 270 kohm 1/5W J	7	C00002746P520S	A/G
R226C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 100 kohm 1/5W J	7	C00001046P520S	A/G
R227C/FL/FR/SBL/SBR/SL/SR	R,CARBON FILM 2.2 kohm 1/5W J	7	C00002226P520S	A/G
R228C/FL/FR/SBL/SBR/SL/SR	R,METAL FILM 100PPM 10 ohm 1.0W J	7	C060010065520S	A/G
R229	R,METAL FILM 100PPM 10 ohm 1.0W J	1	C060010065050S	A/G
	TRANSISTORS			
Q201C/FL/FR/SBL/SBR/SL/SR	SEMI,TR/GE PNP 2SA	7	J5000992F0050S	A/G
Q202C/FL/FR/SBL/SBR/SL/SR	SEMI,TR/GE PNP 2SA	7	J5000992F0050S	A/G
Q203C/FL/FR/SBL/SBR/SL/SR	SEMI,TR/GE NPN 2SC	7	J5023200B0050S	A/G
Q207C/FL/FR/SBL/SBR/SL/SR	SEMI,TR/GE NPN 2SC	7	J5023200B0050S	A/G
	MISCELLANEOUS			
CN2	CN,WIRE	1	L000101150090S	A/G
J200 ~ J201, J203, J205 ~ J210, J212 ~ J217, J219 ~ J222, J224, J226 ~ J227, J229 ~ J235, J238 ~ J262, J265 ~ J269, J271 ~ J276, J278 ~ J346	CN,WIRE 1P	134	L045084006040S	A/G
	P.C.B	1	7020065020001S	A/G
PCB11	ASSEMBLY P.C.B BOARD STANDBY		7028068552010	A(R-774)
PCB11	ASSEMBLY P.C.B BOARD STANDBY		7028068551010	A(RD-8504)
PCB11	ASSEMBLY P.C.B BOARD STANDBY		7028068551020	G(RD-8504)
	CAPACITORS			
C300	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C301	C,ELECT GE 85C 2200 uF 16V M	1	D040222083080S	A/G
C302	C,ELECT GE 85C 0.68 uF 50V M	1	D040R68087050S	A/G
C304	C,CERAMIC AC(SAFETY) 4700 pF 250V M	1	D00847208H010S	A/G
C305 ~ C306	C,CERAMIC CHIP HIK 0.1 uF 50V Z	2	D011104597160S	A/G
C315	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	A/G
	CONNECTORS			
CN301	CN.FPC 1.25MM	1	L131007000010S	A/G
CP304	CN.WAFER 7.92MM	1	L108353280280S	A/G
CP305	CN.WAFER 7.92MM	1	L108353280290S	A/G
CP306	CN.WAFER 7.92MM	1	L108202000220S	A/G
	DIODES			
D301	D.SWITCHING	1	K000013300520S	A/G
D302 ~ D304	D.SWITCHING CHIP	3	K005041480030S	A/G
D305 ~ D308	D.SWITCHING	4	K000400700010S	A/G
ZD301	D,ZENER	1	K06003R044520S	A/G
ZD302	D,ZENER	1	K06010R044520S	A
	INTERGRATED CIRCUITS			
IC300	IC,LINER-REGULATOR	1	J126111733050S	A/G
	RESISTORS			
R300	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R301	R,CHIP THICK 20 kohm 1/16W J	1	C20002036M160S	A/G
R302	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	A/G
R303	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G

REF. No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
R304	R,METAL FILM 100PPM 10 ohm 1/4W J	1	C060010063050S	A/G
R333	R,CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	A/G
	TRANS			
PT301	POWER TRANS	1	8200280150390S	A
PT301	POWER TRANS	1	8200280150380S	G
	TRANSISTORS			
Q300 ~ Q301	SEMI,CHIP TR/NPN 2SC	2	J522038750210S	A/G
Q302	SEMI,CHIP TR/NPN 2SC	1	J522107S00210S	A
	MISCELLANEOUS			
F301	FUSE GLASS TUBE 20MM	1	N751226301110S	A
F301	FUSE GLASS TUBE 20MM	1	N751224001110S	G
F301A/B	HOLDER,FUSE CLIP	2	G645000050010S	A/G
GT301	TERMINAL	1	3790040886000S	A/G
J301 ~ J303	CN,WIRE 1P	3	L045084006040S	A/G
RLY301	RELAY	1	G680060502010S	A/G
	P.C.B	1	7020067640000S	A/G
PCB12	ASSEMBLY P.C.B BOARD VIDEO		7028068572010	A(R-774)
PCB12	ASSEMBLY P.C.B BOARD VIDEO		7028068571010	A/G(RD-8504)
	CAPACITORS			
C200	C,ELECT GE 85C 470 uF 6.3V M	1	D040471081070S	A/G
C201	C,ELECT GE 85C 470 uF 10V M	1	D040471082060S	A/G
C202	C,ELECT GE 85C 470 uF 6.3V M	1	D040471081070S	A/G
C203	C,CERAMIC CHIP HIK 0.047 uF 16V K	1	D011473773160S	A/G
C204 ~ C205	C,ELECT GE 85C 470 uF 6.3V M	2	D040471081070S	A/G
C206	C,ELECT GE 85C 100 uF 10V M	1	D040101082090S	A/G
C207	C,CERAMIC CHIP HIK 0.047 uF 16V K	1	D011473773160S	A/G
C208	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104577160S	A/G
C209	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	A/G
C210	C,ELECT GE 85C 470 uF 6.3V M	1	D040471081070S	A/G
C211	C,CERAMIC CHIP HIK 0.047 uF 16V K	1	D011473773160S	A/G
C212	C,ELECT GE 85C 47 uF 16V M	1	D040470083080S	A/G
C213	C,CERAMIC CHIP HIK 0.047 uF 16V K	1	D011473773160S	A/G
C214	C,ELECT GE 85C 100 uF 16V M	1	D040101083070S	A/G
C215	C,CERAMIC CHIP T.C 0.01 uF 50V K	1	D010103777160S	A/G
C216	C,ELECT GE 85C 47 uF 16V M	1	D040470083080S	A/G
C217	C,CERAMIC CHIP HIK 0.047 uF 16V K	1	D011473773160S	A/G
C218	C,CERAMIC CHIP T.C 0.01 uF 50V K	1	D010103777160S	A/G
C219	C,ELECT GE 85C 100 uF 16V M	1	D040101083070S	A/G
C220	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104577160S	A/G
C221	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	A/G
C222	C,ELECT GE 85C 47 uF 16V M	1	D040470083080S	A/G
C223	C,CERAMIC CHIP HIK 0.047 uF 16V K	1	D011473773160S	A/G
C224	C,ELECT GE 85C 470 uF 6.3V M	1	D040471081070S	A/G
C225	C,ELECT GE 85C 10 uF 50V M	1	D040100087070S	A/G
C227	C,ELECT GE 85C 100 uF 10V M	1	D040101082090S	A/G
C233	C,ELECT GE 85C 100 uF 16V M	1	D040101083070S	A/G
C234	C,CERAMIC CHIP T.C 0.01 uF 50V K	1	D010103777160S	A/G
C238, C241, C243 ~ C244	C,ELECT GE 85C 10 uF 50V M	4	D040100087070S	A/G
C245	C,ELECT GE 85C 100 uF 10V M	1	D040101082090S	A/G
C248	C,ELECT GE 85C 100 uF 16V M	1	D040101083070S	A/G
C249	C,CERAMIC CHIP T.C 0.01 uF 50V K	1	D010103777160S	A/G
C250 ~ C251	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C252 ~ C257	C,ELECT GE 85C 470 uF 6.3V M	6	D040471081070S	A/G
C258 ~ C261	C,ELECT GE 85C 10 uF 50V M	4	D040100087070S	A/G
C262	C,ELECT GE 85C 100 uF 10V M	1	D040101082090S	A/G
C263	C,CERAMIC CHIP T.C 0.01 uF 50V K	1	D010103777160S	A/G
C264 ~ C265	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	A/G
C269	C,ELECT GE 85 4.7 uF 50V M	1	D0404R7087250S	A(R-774 only)
C270 ~ C273	C,CERAMIC CHIP T.C 0.01 uF 50V K	4	D010103777160S	A(R-774 only)
C274	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104577160S	A/G
C275	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	A/G
C276	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104577160S	A/G
C277 ~ C279	C,CERAMIC CHIP HIK 0.047 uF 16V K	3	D011473773160S	A/G
C280 ~ C282	C,CERAMIC CHIP HIK 0.1 uF 50V K	3	D011104577160S	A/G
	CONNECTORS			
CP201 ~ CP203	CN.HOUSING 1.5MM	3	L120151100010S	A/G
CP301	CN.WAFER 2.0MM	1	L101100031010S	A/G
CP302	CN.WAFER 2.0MM	1	L101100031210S	A/G
	DIODES			
D200 ~ D205, D213 ~ D217	D.SWITCHING CHIP	11	K005041480030S	A/G
ZD200 ~ ZD201	D,ZENER CHIP	2	K06603R34P400S	A/G
	INTERGRATED CIRCUITS			
IC200~IC201, IC203, IC205	IC,MONITOR SW	4	J171795600010S	A/G
IC206	IC.LOGIC	1	J040735300010S	A/G

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
	JACKS			
JACK201	TER,RCA	1	G608832V1030MS	A/G
JACK202	TER,RCA	1	G608832V1020MS	A/G
JACK203	TER,RCA 3PIN	1	G606354A0040YS	A/G
JACK204	JACK, D3.5	1	G401035320010S	A(R-774 only)
	RESISTORS			
BD200 ~ BD204	R,CHIP THICK 0 ohm 1/16W J	5	C20000006M160S	A/G
R200	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	A/G
R201	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R202 ~ R204	R,CHIP THICK 200 ohm 1/16W J	3	C20002016M160S	A/G
R205 ~ R206	R,CHIP THICK 75 ohm 1/16W J	2	C20007506M160S	A/G
R207	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R208	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R209	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R210	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R211	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	A/G
R212	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R213	R,CHIP THICK 390 ohm 1/16W J	1	C20003916M160S	A/G
R214	R,CHIP THICK 1.2 kohm 1/16W J	1	C20001226M160S	A/G
R215	R,CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	A/G
R216	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	A/G
R217 ~ R218	R,CHIP THICK 75 ohm 1/16W J	2	C20007506M160S	A/G
R219	R,CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	A/G
R220	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R221	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R222 ~ R223	R,CHIP THICK 10 kohm 1/16W J	2	C20001036M160S	A/G
R224	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R225	R,CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	A/G
R226 ~ R227	R,CHIP THICK 240 ohm 1/16W J	2	C20002416M160S	A/G
R228	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R229	R,CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	A/G
R230	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R231	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R232	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R233	R,CHIP THICK 1.2 kohm 1/16W J	1	C20001226M160S	A/G
R234	R,CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	A/G
R235	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R236	R,CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	A/G
R237	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R238	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R239	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R240	R,CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	A/G
R241	R,CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	A/G
R242	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R243	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R244	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R245	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R246	R,CHIP THICK 240 ohm 1/16W J	1	C20002416M160S	A/G
R247	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R248 ~ R249, R251	R,CHIP THICK 10 kohm 1/16W J	3	C20001036M160S	A/G
R255, R258	R,CHIP THICK 75 ohm 1/16W J	2	C20007506M160S	A/G
R259	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A/G
R261	R,CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	A/G
R263	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R265	R,CHIP THICK 390 ohm 1/16W J	1	C20003916M160S	A/G
R267	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	A/G
R268	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R271 ~ R272	R,CHIP THICK 75 ohm 1/16W J	2	C20007506M160S	A/G
R273	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	A/G
R274 ~ R277	R,CHIP THICK 75 ohm 1/16W J	4	C20007506M160S	A/G
R278 ~ R280	R,CHIP THICK 200 ohm 1/16W J	3	C20002016M160S	A/G
R281	R,CHIP THICK 68 ohm 1/16W J	1	C20006806M160S	A/G
R282 ~ R283	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	A/G
R284 ~ R285	R,CHIP THICK 10 kohm 1/16W J	2	C20001036M160S	A/G
R286 ~ R287	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	A/G
R288 ~ R292	R,CHIP THICK 75 ohm 1/16W J	5	C20007506M160S	A/G
R293 ~ R295	R,CHIP THICK 5.1 kohm 1/16W J	3	C20005126M160S	A/G
R296 ~ R298	R,CHIP THICK 75 ohm 1/16W J	3	C20007506M160S	A/G
R299 ~ R301	R,CHIP THICK 10 kohm 1/16W J	3	C20001036M160S	A/G
R302	R,CHIP THICK 750 ohm 1/16W J	1	C20007516M160S	A/G
R303 ~ R305	R,CHIP THICK 10 kohm 1/16W J	3	C20001036M160S	A/G
R306	R,METAL FILM 100PPM 4.7 kohm 1.0W J	1	C0604R7065050S	A(R-774 only)
R307	R,METAL FILM 100PPM 4.7ohm 1.0W J	1	C060015165050S	A(R-774 only)
R308	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A(R-774 only)

REF. No.	DESCRIPTION				Q'TY.	PARTS No.	VER.
R309	R,CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	A(R-774 only)
R311	R,CHIP THICK	47 kohm	1/16W	J	1	C20004736M160S	A/G
R312	R,CHIP THICK	1.2 kohm	1/16W	J	1	C20001226M160S	A/G
R313	R,CHIP THICK	8.2 kohm	1/16W	J	1	C20008226M160S	A/G
R314	R,CHIP THICK	220 ohm	1/16W	J	1	C20002216M160S	A/G
R315	R,CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M160S	A/G
R316	R,CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	A/G
R317	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S	A/G
R318	R,CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M160S	A/G
R319	R,CHIP THICK	2.2 kohm	1/16W	J	1	C20002226M160S	A/G
R320	R,CHIP THICK	68 ohm	1/16W	J	1	C20006806M160S	A/G
R321, R323, R325	R,CHIP THICK	0 ohm	1/16W	J	3	C20000006M160S	A/G
R326 ~ R327	R,CHIP THICK	750 ohm	1/16W	J	2	C20007516M160S	A/G
R328	R,CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	A/G
TRANSISTORS							
Q200	SEMI,TR/GE NPN 2SC				1	J5023198Y0000S	A/G
Q201	SEMI,TR/GE PNP 2SA				1	J5000933S0050S	A/G
Q202	SEMI,TR/GE NPN 2SC				1	J5023198Y0000S	A/G
C200	C,ELECT CHIP(GE)	100 uF	6.3V	M	1	D050101081650S	A/G
C201	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C202	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C203	C,CERAMIC CHIP HIK	2200 pF	50V	K	1	D011222177101S	A/G
C204	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C205 ~ C207	C,CERAMIC CHIP HIK	0.1 uF	50V	K	3	D011104177101S	A/G
C208	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C209, C21	C,CERAMIC CHIP HIK	0.1 uF	50V	K	2	D011104177101S	A/G
C210	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C211 ~ C214	C,CERAMIC CHIP HIK	0.1 uF	50V	K	4	D011104177101S	A/G
C215	C,ELECT CHIP(GE)	100 uF	6.3V	M	1	D050101081650S	A/G
C216 ~ C218	C,TANTALUM CHIP(TC)	10 uF	10V	M	3	D070100082300S	A/G
C219, C22, C220 ~ C221	C,CERAMIC CHIP HIK	0.1 uF	50V	K	4	D011104177101S	A/G
C222 ~ C226	C,CERAMIC CHIP HIK	1000 pF	50V	K	5	D011102177101S	A/G
C227	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C228	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C229	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C23	C,CERAMIC CHIP HIK	0.047 uF	50V	J	1	D011473767201S	A/G
C230	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C231 ~ C233	C,CERAMIC CHIP HIK	0.1 uF	50V	K	3	D011104177101S	A/G
C234 ~ C238	C,CERAMIC CHIP HIK	1000 pF	50V	K	5	D011102177101S	A/G
C239	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C24	C,CERAMIC CHIP HIK	0.047 uF	50V	J	1	D011473767201S	A/G
C240 ~ C241	C,CERAMIC CHIP HIK	0.1 uF	50V	K	2	D011104177101S	A/G
C242 ~ C243	C,CERAMIC CHIP HIK	1000 pF	50V	K	2	D011102177101S	A/G
C244	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C245	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C246	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C247	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C248	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C249	C,CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103177101S	A/G
C25, C250 ~ C254	C,CERAMIC CHIP HIK	0.1 uF	50V	K	6	D011104177101S	A/G
C255 ~ C256	C,TANTALUM CHIP(TC)	10 uF	10V	M	2	D070100082300S	A/G
C257 ~ C258	C,CERAMIC CHIP HIK	0.1 uF	50V	K	2	D011104177101S	A/G
C259	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C26, C260 ~ C262	C,CERAMIC CHIP HIK	0.1 uF	50V	K	4	D011104177101S	A/G
C263	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C264 ~ C269, C27	C,CERAMIC CHIP HIK	0.1 uF	50V	K	7	D011104177101S	A/G
C270 ~ C271	C,TANTALUM CHIP(TC)	10 uF	10V	M	2	D070100082300S	A/G
C272	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C273	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C274	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C275	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C276 ~ C279, C28, C280	C,CERAMIC CHIP HIK	0.1 uF	50V	K	6	D011104177101S	A/G
C281 ~ C283	C,TANTALUM CHIP(TC)	10 uF	10V	M	3	D070100082300S	A/G
C284 ~ C285	C,CERAMIC CHIP HIK	18 pF	50V	J	2	D011180167101S	A/G
C286	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C287	C,TANTALUM CHIP(TC)	10 uF	10V	M	1	D070100082300S	A/G
C288 ~ C289, C29, C290 ~ C297, C3, C30 ~ C39, C4, C40 ~ C42	C,CERAMIC CHIP HIK	0.1 uF	50V	K	26	D011104177101S	A/G
C43 ~ C44	C,TANTALUM CHIP(TC)	10 uF	10V	M	2	D070100082300S	A/G
C45 ~ C49, C5, C50 ~ C59, C6, C60	C,CERAMIC CHIP HIK	0.1 uF	50V	K	18	D011104177101S	A/G
C61	C,CERAMIC CHIP HIK	4.7 pF	50V	J	1	D0114R7167101S	A/G
C62 ~ C63	C,CERAMIC CHIP HIK	12 pF	50V	J	2	D011120167101S	A/G

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
C64 ~ C65	C,TANTALUM CHIP(TC) 22 uF 6.3V M	2	D070226081300S	A/G
C66	C,CERAMIC CHIP HIK 20 pF 50V J	1	D011200167101S	A/G
C67	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104177101S	A/G
C68	C,CERAMIC CHIP HIK 2200 pF 50V K	1	D011222177101S	A/G
C69	C,CERAMIC CHIP HIK 1000 pF 50V K	1	D011102177101S	A/G
C7	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104177101S	A/G
C70 ~ C71	C,TANTALUM CHIP(TC) 22 uF 6.3V M	2	D070226081300S	A/G
C73	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104177101S	A/G
C74 ~ C75	C,TANTALUM CHIP(TC) 22 uF 6.3V M	2	D070226081300S	A/G
C77	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104177101S	A/G
C78	C,CERAMIC CHIP HIK 2200 pF 50V K	1	D011222177101S	A/G
C79	C,CERAMIC CHIP HIK 1000 pF 50V K	1	D011102177101S	A/G
C8	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104177101S	A/G
C80	C,CERAMIC CHIP HIK 2200 pF 50V K	1	D011222177101S	A/G
C81	C,CERAMIC CHIP HIK 1000 pF 50V K	1	D011102177101S	A/G
C82	C,TANTALUM CHIP(TC) 10 uF 10V M	1	D070100082300S	A/G
C83	C,TANTALUM CHIP(TC) 22 uF 6.3V M	1	D070226081300S	A/G
C84 ~ C89, C9, C90 ~ C99	C,CERAMIC CHIP HIK 0.1 uF 50V K	17	D011104177101S	A/G
COILS				
FB1, FB10, FB106 ~ FB108, FB11 ~ FB19, FB2, FB20 ~ FB29, FB3, FB30 ~ FB39, FB4, FB40 ~ FB49, FB5, FB50 ~ FB59, FB6, FB60 ~ FB61, FB63 ~ FB69, FB7, FB70 ~ FB79, FB8, FB80 ~ FB89, FB9, FB90, FB92, FB94 ~ FB96	COIL,BEAD	96	D340160812210S	A/G
L1, L10 ~ L11	COIL,INDUCTOR	3	D310252001020S	A/G
L12	COIL,INDUCTOR	1	D310824644720S	A/G
L2	COIL,INDUCTOR	1	D310252001020S	A/G
L3 ~ L5	COIL,INDUCTOR	3	D310824644720S	A/G
L6 ~ L9	COIL,INDUCTOR	4	D310252001020S	A/G
CONNECTORS				
CN2 ~ CN5	CN.WAFER	4	L109100190050S	A/G
FPC1 ~ FPC2	CN.FPC 1.0MM	2	L130961100010S	A/G
U10 ~ U12, U25	CN.WAFER 1.5MM	4	L100151100010S	A/G
U3	CN.WAFER 1.5MM	1	L100151060010S	A/G
U4	CN.WAFER 1.5MM	1	L100151150010S	A/G
U5	CN.WAFER 1.5MM	1	L100151100010S	A/G
U6 ~ U7	CN.WAFER 1.5MM	2	L100151090010S	A/G
U8	CN.WAFER 1.5MM	1	L100151070010S	A/G
U9	CN.WAFER 1.5MM	1	L100151060010S	A/G
DIODES				
D1, D7~D9, D10~19, D2, D20~29, D3, D30~D39, D4, D40~D49, D5, D50~D59, D6, D60	D,ESD CHIP	60	K067012020020S	A(R-774 only)
D13 ~ D60	D,ESD CHIP	48	K067012020020S	A/G(RD-8504 only)
D62 ~ D63	D,SCHOTTKY CHIP	2	K125521300010S	A/G
INTERGRATED CIRCUITS				
IC1	IC,LOGIC	1	J040742440180S	A/G
IC2	IC,LOGIC-DECODER	1	J044740100020S	A/G
IC3	IC,CPU MICRO PROCESS	1	J020303020010S	A/G
IC4	IC,LOGIC	1	J040913400030S	A/G
REG1	IC,LINEAR-REGULATOR	1	J12601R800010S	A/G
REG2	IC,LINEAR-REGULATOR	1	J126111712020S	A/G
REG3 ~ REG4	IC,LINEAR-REGULATOR	2	J12603R300040S	A/G
REG5	IC,LINEAR-REGULATOR	1	J12601R800010S	A/G
REG6	IC,LINEAR-REGULATOR	1	J126111750010S	A/G
U1	IC,PAL/PLD	1	J003952880030S	A/G
U13 ~ U14	IC,MEMORY-RAM	2	J001451163170S	A/G
U15	IC,ANALOG	1	J080201000020S	A/G
U17 ~ U19	IC,LOGIC-D/D CONVER	3	J048102100010S	A/G
U20 ~ U21	IC,LOGIC	2	J040742570040S	A/G
U23	IC,LOGIC-D/D CONVER	1	J048102100010S	A/G
U24	IC,LOGIC	1	J040923300030S	A/G
U27 ~ U36	IC,LOGIC	10	J040332450010S	A/G
RESISTORS				
FB100 ~ FB105, FB62, FB97 ~ FB99	R,CHIP THICK 0 ohm 1/16W J	10	C20000006M160S	A/G
J100 ~ J108	R,CHIP THICK 0 ohm 1/8W J	9	C200000061300S	A/G
R1, R10	R,CHIP THICK 0 ohm 1/16W J	2	C20000006M101S	A/G
R100	R,CHIP THICK 294 ohm 1/16W F	1	C20029404M101S	A/G
R101	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G

REF. No.	DESCRIPTION				Q'TY.	PARTS No.	VER.
R102	R,CHIP THICK	2.2 ohm	0.10W	J	1	C2002R2060201S	A/G
R103 ~ R104	R,CHIP THICK	0 ohm	1/16W	J	2	C20000006M101S	A/G
R105	R,CHIP THICK	2.2 ohm	1/16W	J	1	C2002R206M101S	A/G
R106	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
R107 ~ R108	R,CHIP THICK	ohm	1/16W	J	2	C20030R16M101S	A/G
R109, R11	R,CHIP THICK	0 ohm	1/16W	J	2	C20000006M101S	A/G
R110	R,CHIP THICK	ohm	1/16W	J	1	C20030R16M101S	A/G
R111	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R112	R,CHIP THICK	ohm	1/16W	J	1	C20030R16M101S	A/G
R113	R,CHIP THICK	2.2 ohm	1/16W	J	1	C2002R206M101S	A/G
R114	R,CHIP THICK	ohm	1/16W	J	1	C20030R16M101S	A/G
R115	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R116	R,CHIP THICK	ohm	1/16W	J	1	C20030R16M101S	A/G
R117 ~ R118	R,CHIP THICK	2.2 ohm	1/16W	J	2	C2002R206M101S	A/G
R119	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R12	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
R120	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R121 ~ R123	R,CHIP THICK	0 ohm	1/16W	J	3	C20000006M101S	A/G
R124 ~ R127	R,CHIP THICK	33 ohm	1/16W	J	4	C20003306M101S	A/G
R128 ~ R129, R13	R,CHIP THICK	0 ohm	1/16W	J	3	C20000006M101S	A/G
R130 ~ R131	R,CHIP THICK	33 ohm	1/16W	J	2	C20003306M101S	A/G
R132	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
R133 ~ R134	R,CHIP THICK	33 ohm	1/16W	J	2	C20003306M101S	A/G
R135 ~ R137	R,CHIP THICK	0 ohm	1/16W	J	3	C20000006M101S	A/G
R138 ~ R139	R,CHIP THICK	33 ohm	1/16W	J	2	C20003306M101S	A/G
R14	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A/G
R140	R,CHIP THICK	33 ohm	1/16W	J	1	C20003306M101S	A/G
R141	R,CHIP THICK	150 ohm	1/16W	J	1	C20001516M101S	A/G
R142	R,CHIP THICK	33 ohm	1/16W	J	1	C20003306M101S	A/G
R143 ~ R144, R146	R,CHIP THICK	150 ohm	1/16W	J	3	C20001516M101S	A/G
R147	R,CHIP THICK	33 ohm	1/16W	J	1	C20003306M101S	A/G
R148 ~ R149	R,CHIP THICK	150 ohm	1/16W	J	2	C20001516M101S	A/G
R15	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A/G
R150	R,CHIP THICK	33 ohm	1/16W	J	1	C20003306M101S	A/G
R151	R,CHIP THICK	150 ohm	1/16W	J	1	C20001516M101S	A/G
R152 ~ R153	R,CHIP THICK	33 ohm	1/16W	J	2	C20003306M101S	A/G
R154 ~ R156	R,CHIP THICK	150 ohm	1/16W	J	3	C20001516M101S	A/G
R157	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
R158 ~ R159	R,CHIP THICK	150 ohm	1/16W	J	2	C20001516M101S	A/G
R16	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A/G
R160	R,CHIP THICK	1.8 kohm	1/16W	J	1	C20001826M101S	A/G
R161	R,CHIP THICK	27 kohm	1/16W	J	1	C20002736M101S	A/G
R162	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
R164 ~ R165	R,CHIP THICK	2.7 kohm	1/16W	J	2	C20002726M101S	A/G
R166 ~ R167	R,CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M101S	A/G
R168 ~ R169	R,CHIP THICK	68 ohm	1/16W	J	2	C20006806M101S	A/G
R17	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M101S	A/G
R170	R,CHIP THICK	68 ohm	1/16W	J	1	C20006806M101S	A/G
R171	R,CHIP THICK	000 kohm	1/16W	J	1	C20001056M101S	A/G
R172	R,CHIP THICK	47 ohm	1/16W	J	1	C20004706M101S	A/G
R173 ~ R174	R,CHIP THICK	47 kohm	1/16W	J	2	C20004736M101S	A(R-774 only)
R175, R178 ~ R179	R,CHIP THICK	5.6 ohm	1/16W	J	3	C2005R606M101S	A(R-774 only)
R176 ~ R177	R,CHIP THICK	47 kohm	1/16W	J	2	C20004736M101S	A/G
R179	R,CHIP THICK	5.6 ohm	1/16W	J	1	C2005R606M101S	A/G
R18	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R180 ~ R189	R,CHIP THICK	5.6 ohm	1/16W	J	10	C2005R606M101S	A(R-774 only)
R181, R183, R185, R187, R189	R,CHIP THICK	5.6 ohm	1/16W	J	5	C2005R606M101S	A/G(RD-8504 only)
R19	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R191 ~ R192	R,CHIP THICK	5.6 ohm	1/16W	J	2	C2005R606M101S	A/G
R193 ~ R196	R,CHIP THICK	47 kohm	1/16W	J	4	C20004736M101S	A/G
R197 ~ R199	R,CHIP THICK	5.6 ohm	1/16W	J	3	C2005R606M101S	A/G
R2	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
R20	R,CHIP THICK	2.2 ohm	1/16W	J	1	C2002R206M101S	A/G
R200 ~ R209	R,CHIP THICK	5.6 ohm	1/16W	J	10	C2005R606M101S	A/G
R21	R,CHIP THICK	2.2 ohm	1/16W	J	1	C2002R206M101S	A/G
R210 ~ R212	R,CHIP THICK	5.6 ohm	1/16W	J	3	C2005R606M101S	A/G
R213 ~ R214	R,CHIP THICK	47 k ohm	1/16W	J	2	C20004736M101S	A/G
R219	R,CHIP THICK	33 ohm	1/16W	J	1	C20003306M101S	A/G
R22	R,CHIP THICK	1 kohm	1/16W	F	1	C20001024M101S	A/G
R220	R,CHIP THICK	33 ohm	1/16W	J	1	C20003306M101S	A/G
R221 ~ R222	R,CHIP THICK	0 ohm	1/16W	J	2	C20000006M101S	A/G
R223 ~ R224	R,CHIP THICK	33 ohm	1/16W	J	2	C20003306M101S	A/G
R225	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G

REF. No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
R226 ~ R229	R,CHIP THICK 33 ohm 1/16W J	4	C20003306M101S	A/G
R23	R,CHIP THICK 100 ohm 1/16W J	1	C20001016M101S	A/G
R230	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R231	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R232	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R233 ~ R235	R,CHIP THICK 4.7 kohm 1/16W J	3	C20004726M101S	A/G
R236	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R237	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R238 ~ R239	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R24	R,CHIP THICK 1 kohm 1/16W F	1	C20001024M101S	A/G
R241	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R245	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R247	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R248	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R249	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R25	R,CHIP THICK 100 ohm 1/16W J	1	C20001016M101S	A/G
R250	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R251 ~ R253	R,CHIP THICK 4.7 kohm 1/16W J	3	C20004726M101S	A/G
R254 ~ R257, R259 ~ R274, R276 ~ R279	R,CHIP THICK 33 ohm 1/16W J	24	C20003306M101S	A/G
R281 ~ R284	R,CHIP THICK 0 ohm 1/16W J	4	C20000006M101S	A/G
R285	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R296	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R297	R,CHIP THICK 30 kohm 1/16W J	1	C20003036M101S	A/G
R298	R,CHIP THICK 8.45 kohm 1/16W F	1	C20084514M101S	A/G
R299	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R3	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R300 ~ R310	R,CHIP THICK 33 ohm 1/16W J	11	C20003306M101S	A/G
R312 ~ R313	R,CHIP THICK 4.7 kohm 1/16W J	2	C20004726M101S	A/G
R314	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R315 ~ R316	R,CHIP THICK 4.7 kohm 1/16W J	2	C20004726M101S	A/G
R317 ~ R318	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M101S	A/G
R319 ~ R322	R,CHIP THICK 33 ohm 1/16W J	4	C20003306M101S	A/G
R323	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R324	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R325	R,CHIP THICK 180 ohm 1/16W J	1	C20001816M101S	A/G
R326	R,CHIP THICK 510 ohm 1/16W J	1	C20005116M101S	A/G
R327 ~ R329	R,CHIP THICK 33 ohm 1/16W J	3	C20003306M101S	A/G
R33	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R330	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R335 ~ R339	R,CHIP THICK 33 ohm 1/16W J	5	C20003306M101S	A/G
R34	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R340 ~ R344	R,CHIP THICK 33 ohm 1/16W J	5	C20003306M101S	A/G
R345 ~ R349	R,CHIP THICK 16 ohm 1/16W J	5	C20001606M101S	A/G
R35	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R350	R,CHIP THICK 16 ohm 1/16W J	1	C20001606M101S	A/G
R351 ~ R354	R,CHIP THICK 56 ohm 1/16W J	4	C20005606M101S	A/G
R356 ~ R359	R,CHIP THICK 33 ohm 1/16W J	4	C20003306M101S	A/G
R36	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R360, R363 ~ R366	R,CHIP THICK 33 ohm 1/16W J	5	C20003306M101S	A/G
R367	R,CHIP THICK 56 ohm 1/16W J	1	C20005606M101S	A/G
R368 ~ R377	R,CHIP THICK 33 ohm 1/16W J	10	C20003306M101S	A/G
R378	R,CHIP THICK 10000 kohm 1/16W J	1	C20001066M101S	A/G
R379	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R38	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R380 ~ R381	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R383	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R384 ~ R385	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R386, R388	R,CHIP THICK 4.7 kohm 1/16W J	2	C20004726M101S	A/G
R389	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R39	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M101S	A/G
R390 ~ R399	R,CHIP THICK 33 ohm 1/16W J	10	C20003306M101S	A/G
R4, R40	R,CHIP THICK 0 ohm 1/16W J	2	C20000006M101S	A/G
R400	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R41 ~ R42	R,CHIP THICK 4.7 kohm 1/16W J	2	C20004726M101S	A/G
R45 ~ R47	R,CHIP THICK 47 ohm 1/16W J	3	C20004706M101S	A/G
R48 ~ R49	R,CHIP THICK 0 ohm 1/16W J	2	C20000006M101S	A/G
R50	R,CHIP THICK 1000 kohm 1/16W J	1	C20001056M101S	A/G
R51	R,CHIP THICK ohm 1/4W F	1	C20049R943300S	A/G
R55, R57, R59, R61, R64 ~ R67	R,CHIP THICK 4.7 kohm 1/16W J	8	C20004726M101S	A/G
R69	R,CHIP THICK 30 kohm 1/16W J	1	C20003036M101S	A/G
R70	R,CHIP THICK 8.45 kohm 1/16W F	1	C20084514M101S	A/G
R71	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G

REF. No.	DESCRIPTION				Q'TY.	PARTS No.	VER.
R74	R,CHIP THICK	24 kohm	1/16W	F	1	C20002434M101S	A/G
R75	R,CHIP THICK	27 kohm	1/16W	F	1	C20002734M101S	A/G
R76	R,CHIP THICK	3 kohm	1/16W	F	1	C20003024M101S	A/G
R77	R,CHIP THICK	8.45 kohm	1/16W	F	1	C20084514M101S	A/G
R78	R,CHIP THICK	24 kohm	1/16W	F	1	C20002434M101S	A/G
R79	R,CHIP THICK	18 kohm	1/16W	F	1	C20001834M101S	A/G
R80	R,CHIP THICK	8.45 kohm	1/16W	F	1	C20084514M101S	A/G
R81	R,CHIP THICK	12 kohm	1/16W	F	1	C20001234M101S	A/G
R82 ~ R97	R,CHIP THICK	ohm	1/16W	J	16	C20030R16M101S	A/G
R98	R,CHIP THICK	2.2 ohm	1/16W	J	1	C2002R206M101S	A/G
R99	R,CHIP THICK	0 ohm	1/16W	J	1	C20000006M101S	A/G
RN1	R.NETWORK A-TYPE				1	C180000040500S	A/G
RN10 ~ RN19	R.NETWORK A-TYPE				10	C180330040500S	A/G
RN2	R.NETWORK A-TYPE				1	C180000040500S	A/G
RN20 ~ RN23	R.NETWORK A-TYPE				4	C180330040500S	A/G
RN3 ~ RN9	R.NETWORK A-TYPE				7	C180000040500S	A/G
RP1	R.NETWORK A-TYPE				1	C180470040500S	A/G
RP10 ~ RP19	R.NETWORK A-TYPE				10	C180000040500S	A/G
RP2	R.NETWORK A-TYPE				1	C180470040500S	A/G
RP20 ~ RP27	R.NETWORK A-TYPE				8	C180000040500S	A/G
RP28 ~ RP29	R.NETWORK A-TYPE				2	C180330040500S	A/G
RP3	R.NETWORK A-TYPE				1	C180470040500S	A/G
RP30 ~ RP36	R.NETWORK A-TYPE				7	C180330040500S	A/G
RP4 ~ RP9	R.NETWORK A-TYPE				6	C180470040500S	A/G
	R,CHIP THICK	10 kohm	1/16W	J	1	C20001036M160S	A/G
	TRANSISTORS						
Q1 ~ Q2	SEMI,CHIP TR/NPN 2SC				2	J522104S00210S	A/G
	MISCELLANEOUS						
XTAL1	CRYSTAL CHIP				1	E80528R636310S	A/G
XTAL2	CRYSTAL CHIP				1	E80516R000010S	A/G
XTAL3	CRYSTAL CHIP				1	E80527R000030S	A/G
Y1	CRYSTAL CHIP				1	E80530R000010S	A/G
	HEAT SINK				1	2120210728000S	A/G
	CN,WIRE				1	L000800010080S	A/G
	P.C.B				1	7020068600000S	A/G
PCB14	ASSEMBLY P.C.B BOARD BLUETOOTH					7028068582010	A(R-774)
PCB14	ASSEMBLY P.C.B BOARD BLUETOOTH					7028068591010	A(RD-8504)
C212	C,CERAMIC CHIP HIK	470 pF	50V	J	1	D011471767160S	A
C700L/R	C,ELECT GE 85C	10 uF	50V	M	2	D040100087080S	A
C701	C,CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103777160S	A
BT700	CN.WAFER				1	L109305002420S	A
D701 ~ D703	D.SWITCHING CHIP				3	K005041480030S	A
DZ701	D.ZENER CHIP				1	K06602R44P400S	A
R700L/R	R,CHIP THICK	470 ohm	1/16W	J	2	C20004716M160S	A
R701L/R	R,CHIP THICK	2.2 kohm	1/16W	J	2	C20002226M160S	A
R702	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S	A
R703	R,CHIP THICK	4.7 kohm	1/16W	J	1	C20004726M160S	A
R704	R,CHIP THICK	1 kohm	1/16W	J	1	C20001026M160S	A
R705	R,CHIP THICK	470 kohm	1/16W	J	1	C20004746M160S	A
Q700L/R	SEMI,CHIP TR/NPN 2SC				2	J5222875B0010S	A
Q701	SEMI,CHIP TR/PNP 2SA				1	J520010500210S	A
BRK1 ~ BRK2	BRACKET				2	4010210196000S	A
CN700	CN,WIRE 2MM				1	L002281090010S	A
WIRE702	RING,TER WIRE				1	8410700010060S	A
	P.C.B				1	7020067400001S	A
PCB15	ASSEMBLY P.C.B BOARD DSP					7028068582010	A(R-774)
PCB15	ASSEMBLY P.C.B BOARD DSP					7028068581010	A(RD-8504)
PCB15	ASSEMBLY P.C.B BOARD DSP					7028068581020	G(RD-8504)
	CAPACITORS						
C1000	C,CERAMIC CHIP HIK	0.01 uF	50V	Z	1	D011103597160S	A/G
C1001 ~ C1002	C,CERAMIC CHIP T.C	22 pF	50V	J	2	D010220167160S	A/G
C1003 ~ C1005	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	A/G
C1006 ~ C1008	C,ELECT CHIP(GE)	47 uF	16V	M	3	D050470083200S	A/G
C1009 ~ C1011	C,CERAMIC CHIP T.C	22 pF	50V	J	3	D010220167160S	A/G
C1012 ~ C1013	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	A/G
C1014 ~ C1015	C,ELECT CHIP(GE)	0.1 uF	50V	M	2	D050R10080010S	A/G
C1018 ~ C1019	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	A/G
C1020	C,ELECT CHIP(GE)	10 uF	50V	M	1	D050100087200S	A/G
C1021	C,ELECT CHIP(GE)	220 uF	6.3V	M	1	D050221081200S	A/G
C1022 ~ C1029	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	8	D011104597160S	A/G
C1030	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C1031	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1032	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C1033	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102777160S	A/G

REF. No.	DESCRIPTION				Q'TY.	PARTS No.	VER.
C1034	C,ELECT CHIP(GE)	220 uF	6.3V	M	1	D050221081200S	A/G
C1035 ~ C1042	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	8	D011104597160S	A/G
C1043	C,ELECT CHIP(GE)	100 uF	6.3V	M	1	D050101081650S	A/G
C1044 ~ C1045	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	A/G
C1046	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102777101S	A/G
C1047 ~ C1049	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	A/G
C1050	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C1051	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C1052 ~ C1054	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	A/G
C1055 ~ C1056	C,ELECT CHIP(GE)	100 uF	6.3V	M	2	D050101081650S	A/G
C1057	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C1058 ~ C1059	C,CERAMIC CHIP T.C	20 pF	50V	J	2	D010200167160S	A/G
C1060	C,ELECT CHIP(GE)	10 uF	16V	M	1	D050100083470S	A/G
C1061	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C1062	C,ELECT CHIP(GE)	2.2 uF	16V	M	1	D0502R2083200S	A/G
C1063 ~ C1064	C,CERAMIC CHIP HIK	47 pF	50V	J	2	D011470167101S	A/G
C1065	C,CERAMIC CHIP HIK	0.01 uF	50V	K	1	D011103177101S	A/G
C1066	C,CERAMIC CHIP HIK	47 pF	50V	J	1	D011470167101S	A/G
C1067	C,CERAMIC CHIP HIK	100 pF	50V	J	1	D011101167101S	A/G
C1068	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C1069 ~ C1072	C,CERAMIC CHIP HIK	100 pF	50V	J	4	D011101167101S	A/G
C1073	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102177101S	A/G
C1074	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C1075	C,ELECT CHIP(GE)	100 uF	16V	M	1	D050101083660S	A/G
C1076	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1077	C,ELECT CHIP(GE)	10 uF	16V	M	1	D050100083470S	A/G
C1078	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1079	C,ELECT CHIP(GE)	100 uF	16V	M	1	D050101083660S	A/G
C1080	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1081	C,ELECT CHIP(GE)	220 uF	6.3V	M	1	D050221081200S	A/G
C1082	C,ELECT CHIP(GE)	100 uF	6.3V	M	1	D050101081650S	A/G
C1083	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1084	C,CERAMIC CHIP HIK	0.1 uF	50V	K	1	D011104177101S	A/G
C1085 ~ C1086	C,CERAMIC CHIP HIK	220 pF	50V	J	2	D011221167101S	A/G
C1087 ~ C1088, C1090 ~ C1097	C,ELECT CHIP(GE)	10 uF	16V	M	10	D050100083470S	A/G
C1098 ~ C1105	C,CERAMIC CHIP HIK	680 pF	50V	K	8	D011681177101S	A/G
C1106 ~ C1108	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	A/G
C1109	C,CERAMIC CHIP HIK	680 pF	50V	K	1	D011681177101S	A/G
C1110, C1112 ~ C1113	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	A/G
C1114 ~ C1115	C,CERAMIC CHIP HIK	680 pF	50V	K	2	D011681177101S	A/G
C1116	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1117	C,CERAMIC CHIP HIK	680 pF	50V	K	1	D011681177101S	A/G
C1118	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1119 ~ C1121	C,CERAMIC CHIP HIK	680 pF	50V	K	3	D011681177101S	A/G
C1122 ~ C1129	C,ELECT CHIP(GE)	10 uF	16V	M	8	D050100083470S	A/G
C1130 ~ C1132	C,CERAMIC CHIP HIK	3300 pF	50V	K	3	D011332777160S	A/G
C1133 ~ C1134	C,ELECT CHIP(GE)	10 uF	16V	M	2	D050100083470S	A/G
C1135	C,CERAMIC CHIP HIK	3300 pF	50V	K	1	D011332777160S	A/G
C1136	C,ELECT CHIP(GE)	10 uF	16V	M	1	D050100083470S	A/G
C1137 ~ C1138	C,CERAMIC CHIP HIK	3300 pF	50V	K	2	D011332777160S	A/G
C1139	C,ELECT CHIP(GE)	10 uF	16V	M	1	D050100083470S	A/G
C1140	C,CERAMIC CHIP HIK	3300 pF	50V	K	1	D011332777160S	A/G
C1141	C,ELECT CHIP(GE)	10 uF	16V	M	1	D050100083470S	A/G
C1142	C,CERAMIC CHIP HIK	3300 pF	50V	K	1	D011332777160S	A/G
C1143 ~ C1145	C,ELECT CHIP(GE)	10 uF	16V	M	3	D050100083470S	A/G
C1146 ~ C1147	C,ELECT CHIP(GE)	10 uF	16V	M	2	D050100083470S	A
C1148 ~ C1149	C,CERAMIC CHIP HIK	0.1 uF	50V	K	2	D011104177101S	A
C1150	C,CERAMIC CHIP HIK	680 pF	50V	K	1	D011681177101S	A/G
C1156	C,CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	A
C1157	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	D011102777160S	A
C1158	C,ELECT CHIP(GE)	10 uF	16V	M	1	D050100083470S	A
C1159 ~ C1160	C,CERAMIC CHIP HIK	330 pF	50V	J	2	D011331167101S	A
C1161 ~ C1164	C,ELECT CHIP(GE)	10 uF	16V	M	4	D050100083470S	A
C1165 ~ C1166	C,CERAMIC CHIP HIK	330 pF	50V	J	2	D011331167101S	A
C1167	C,CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	A
C1168 ~ C1170	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	3	D011104597160S	A
C1174 ~ C1175	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	A/G
C1176	C,ELECT CHIP(GE)	100 uF	6.3V	M	1	D050101081650S	A/G
C1177	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A/G
C1178	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A
C1179	C,ELECT CHIP(GE)	470 uF	6.3V	M	1	D050471081200S	A/G
C1180 ~ C1181	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	2	D011104597160S	A/G
C1182	C,ELECT CHIP(GE)	100 uF	6.3V	M	1	D050101081650S	A/G

REF. No.	DESCRIPTION	Q'TY.	PARTS No.	VER.
C1183 ~ C1188	C,CERAMIC CHIP HIK 0.1 uF 50V Z	6	D011104597160S	A/G
C1189	C,ELECT CHIP(GE) 100 uF 6.3V M	1	D050101081650S	A/G
C1190 ~ C1191	C,CERAMIC CHIP HIK 0.1 uF 50V Z	2	D011104597160S	A/G
C1192	C,ELECT CHIP(GE) 470 uF 6.3V M	1	D050471081200S	A/G
C1193	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	A/G
	C,ELECT GE 85C 2200 uF 16V M	1	D040222083080S	A/G
	COILS			
BD1000~BD1012, BD1015 ~BD1093, BD1097~BD1098	COIL,BEAD	94	D340160811210S	A(R-774 only)
BD1000 ~ BD1012, BD1015 ~ BD1035	COIL,BEAD	34	D340160811210S	A/G(RD-8504 only)
BD1036 ~ BD1037	COIL,BEAD	2	D340160811210S	A(RD-8504 only)
BD1038 ~ BD1093, BD1097 ~ BD1098	COIL,BEAD	58	D340160811210S	A/G(RD-8504 only)
L1000 ~ L1001	COIL,FILTER-INDUCTOR	2	D3302R2000150S	A/G
L1002 ~ L1004	COIL,FILTER-INDUCTOR	3	D3304R7000150S	A/G
	CONNECTORS			
CP1000	CN.HOUSING 1.5MM	1	L120151190010S	A/G
CP1001 ~ CP1002	CN.HOUSING 1.5MM	2	L120151100010S	A/G
CP1003	CN.HOUSING 1.5MM	1	L120151090010S	A/G
CP1004	CN.HOUSING 1.5MM	1	L120151070010S	A/G
CP1005	CN.HOUSING 1.5MM	1	L120151090010S	A/G
CP1006	CN.HOUSING 1.5MM	1	L120151150010S	A/G
CP1007	CN.HOUSING 1.5MM	1	L120151040010S	A/G
CP1008	CN.HOUSING 1.5MM	1	L120151160010S	A/G
CP1009	CN.HOUSING 1.5MM	1	L120151150010S	A/G
CP1010	CN.HOUSING 1.5MM	1	L120151080010S	A/G
CP1020 ~ CP1021	CN.HOUSING 1.5MM	2	L120151060010S	A/G
	DIODES			
D1000, D1002 ~ D1004	D,SWITCHING CHIP	4	K005041480030S	A/G
D1005 ~ D1006	D,ESD CHIP	2	K067680200010S	A
D1007 ~ D1008	D,SWITCHING CHIP	2	K005041480030S	A
	INTERGRATED CIRCUITS			
IC1000	IC,LOGIC	1	J040740400270S	A/G
IC1001 ~ IC1004	IC,LOGIC	4	J040742570030S	A/G
IC1005	IC,ANALOG	1	J080497004010S	A/G
IC1006	IC,MEMORY-RAM	1	J001366416410S	A/G
IC1007	IC,MEMORY FLASH	1	J005250800020S	A/G
IC1008	IC,ANALOG	1	J080458800010S	A/G
IC1009 ~ IC1012	IC,LINEAR OP	4	J121206800020S	A/G
IC1013	IC,LOGIC	1	J040740800190S	A
IC1015	IC,LINEAR-REGULATOR	1	J12601R800010S	A/G
IC1016	IC,LINEAR-REGULATOR	1	J12603R300040S	A/G
IC1016_A	IC,LINEAR OP	1	J121206800020S	A
IC1017	IC,LINEAR-REGULATOR	1	J12603R300040S	A/G
IC1018 ~ IC1019	IC,LOGIC	2	J040742440180S	A/G
IC1125 ~ IC1126	IC,LINEAR-REGULATOR	2	J126780500370S	A/G
	JACKS			
JACK1000	TER,RCA 2PIN	1	G601206A0200YS	A/G
JACK1004	JACK,DIN	1	G403515397000S	A
	RESISTORS			
J1000 ~ J1003	R,CHIP THICK 0 ohm 1/8W J	4	C200000061300S	A/G
R1000	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M160S	A/G
R1001 ~ R1002	R,CHIP THICK 4.7 kohm 1/16W J	2	C20004726M160S	A/G
R1003 ~ R1004	R,CHIP THICK 75 ohm 1/16W J	2	C20007506M160S	A/G
R1005 ~ R1006	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	A/G
R1007	R,CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	A/G
R1010 ~ R1011	R,CHIP THICK 47 kohm 1/16W J	2	C20004736M160S	A/G
R1014 ~ R1017	R,CHIP THICK 47 ohm 1/16W J	4	C20004706M101S	A/G
R1018	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1019	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M160S	A/G
R1020 ~ R1023	R,CHIP THICK 33 ohm 1/16W J	4	C20003306M101S	A/G
R1024 ~ R1025	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M160S	A/G
R1026 ~ R1027	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R1028 ~ R1029	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M160S	A/G
R1030 ~ R1031	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R1032	R,CHIP THICK 1000 kohm 1/16W J	1	C20001056M160S	A/G
R1033 ~ R1034	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M160S	A/G
R1035 ~ R1036	R,CHIP THICK 3.3 kohm 1/16W J	2	C20003326M101S	A/G
R1037	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R1038 ~ R1039	R,CHIP THICK 3.3 kohm 1/16W J	2	C20003326M101S	A/G
R1040	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1041	R,CHIP THICK 2.4 kohm 1/16W J	1	C20002426M101S	A/G
R1042	R,CHIP THICK 2.7 kohm 1/16W J	1	C20002726M101S	A/G

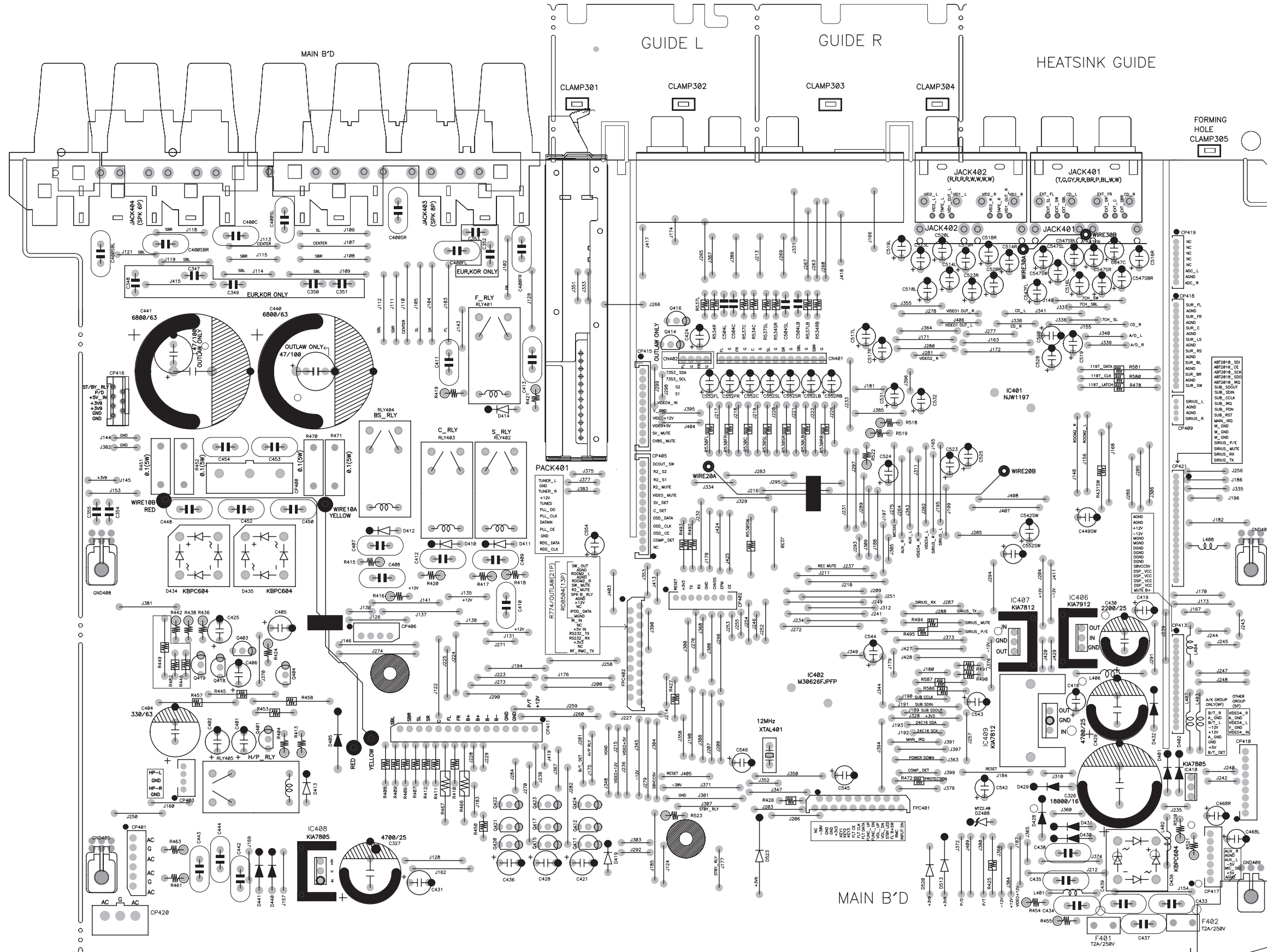
REF. No.	DESCRIPTION	Q'TY.	PARTS. No.	VER.
R1043	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1044	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R1045	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1046	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R1047 ~ R1048	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R1049 ~ R1050	R,CHIP THICK 10 kohm 1/16W J	2	C20001036M111S	A/G
R1051 ~ R1054	R,CHIP THICK 33 ohm 1/16W J	4	C20003306M101S	A/G
R1055	R,CHIP THICK 10 kohm 1/16W J	1	C20001036M111S	A/G
R1057, R1059, R1062, R1066 ~ R1073	R,CHIP THICK 33 ohm 1/16W J	11	C20003306M101S	A/G
R1074	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M101S	A/G
R1075 ~ R1076	R,CHIP THICK 33 ohm 1/16W J	2	C20003306M101S	A/G
R1077	R,CHIP THICK 3.3 kohm 1/16W J	1	C20003326M101S	A/G
R1078	R,CHIP THICK 470 ohm 1/16W J	1	C20004716M101S	A/G
R1079 ~ R1083	R,CHIP THICK 33 ohm 1/16W J	5	C20003306M101S	A/G
R1085	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M160S	A/G
R1086 ~ R1105, R1107 ~ R1109	R,CHIP THICK 33 ohm 1/16W J	23	C20003306M101S	A/G
R1110	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M101S	A/G
R1111	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1112 ~ R1114	R,CHIP THICK 10 kohm 1/16W J	3	C20001036M111S	A/G
R1115 ~ R1117	R,CHIP THICK 33 ohm 1/16W J	3	C20003306M101S	A/G
R1118	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M160S	A/G
R1119	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1120	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M160S	A/G
R1121 ~ R1126	R,CHIP THICK 33 ohm 1/16W J	6	C20003306M101S	A/G
R1127 ~ R1132	R,CHIP THICK 10 kohm 1/16W J	6	C20001036M111S	A/G
R1133	R,CHIP THICK 33 ohm 1/16W J	1	C20003306M101S	A/G
R1134	R,CHIP THICK 12 kohm 1/16W J	1	C20001236M101S	A/G
R1135 ~ R1136	R,CHIP THICK 150 ohm 1/16W J	2	C20001516M101S	A/G
R1137	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M101S	A/G
R1138	R,CHIP THICK 470 kohm 1/16W J	1	C20004746M101S	A/G
R1139 ~ R1145	R,CHIP THICK 100 kohm 1/16W J	7	C20001046M101S	A/G
R1146 ~ R1148	R,CHIP THICK 4.7 kohm 1/16W J	3	C20004726M101S	A/G
R1149	R,CHIP THICK 100 kohm 1/16W J	1	C20001046M101S	A/G
R1150 ~ R1178	R,CHIP THICK 4.7 kohm 1/16W J	29	C20004726M101S	A/G
R1179 ~ R1183	R,CHIP THICK 2.2 kohm 1/16W J	5	C20002226M160S	A/G
R1184	R,CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	A/G
R1185	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G
R1186	R,CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	A/G
R1187	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G
R1188	R,CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	A/G
R1189	R,CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	A/G
R1190 ~ R1194	R,CHIP THICK 330 ohm 1/16W J	5	C20003316M160S	A/G
R1195 ~ R1202	R,CHIP THICK 470 kohm 1/16W J	8	C20004746M160S	A/G
R1203 ~ R1204	R,CHIP THICK 10 kohm 1/16W J	2	C20001036M160S	A
R1205 ~ R1206	R,CHIP THICK 100 kohm 1/16W J	2	C20001046M101S	A
R1207 ~ R1208	R,CHIP THICK 470 ohm 1/16W J	2	C20004716M101S	A
R1209 ~ R1210	R,CHIP THICK 22 kohm 1/16W J	2	C20002236M160S	A
R1211 ~ R1212	R,CHIP THICK 470 ohm 1/16W J	2	C20004716M101S	A
R1213 ~ R1215	R,CHIP THICK 100 ohm 1/16W J	3	C20001016M160S	A
R1216 ~ R1218	R,CHIP THICK 0 ohm 1/16W J	3	C20000006M101S	A
R1220 ~ R1227	R,CHIP THICK 10 kohm 1/16W J	8	C20001036M111S	A
R1228, R1232	R,CHIP THICK 0 ohm 1/16W J	2	C20000006M101S	A
R1233 ~ R1234	R,CHIP THICK 100 kohm 1/16W J	2	C20001046M101S	A
R1235 ~ R1236	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M101S	A
R1237	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A
R1238 ~ R1239	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	A
R1244 ~ R1245	R,CHIP THICK 470 kohm 1/16W J	2	C20004746M160S	A
R1246	R,CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	A
TRANSISTORS				
Q1000	SEMI,CHIP TR/NPN 2SC	1	J522010200210S	A/G
Q1001	SEMI,CHIP TR/PNP 2SA	1	J520010200210S	A/G
Q1002 ~ Q1009	SEMI,CHIP TR/NPN 2SC	8	J5222875B0010S	A/G
Q1010	SEMI,CHIP TR/PNP 2SA	1	J520010500210S	A
Q1011 ~ Q1014	SEMI,CHIP TR/NPN 2SC	4	J5222875B0010S	A
MISCELLANEOUS				
D1001	CN,WIRE 1P	1	L045084006040S	A/G
JACK1001	MODULE	1	E100116500030S	A/G
JACK1002 ~ JACK1003	MODULE	2	E100116500040S	A/G
XTAL1000	CRYSTAL CHIP	1	E80524R576020S	A/G
	TAPE	1	1220210059020S	A/G
	HEAT SINK	1	2120000818070S	A/G
	HEAT SINK	1	2120044388000S	A/G

REF. No.	DESCRIPTION				Q'TY.	PARTS No.	VER.
	HEAT SINK				1	2120211808000S	A/G
	SCREW,TAP TITE				2	B020030081B10S	A/G
	P.C.B				1	7020068580000S	A/G
PCB16	ASSEMBLY P.C.B BOARD SPK					7028068562010	A(R-774 only)
	CAPACITORS						
C806	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A
C807L/R	C,CERAMIC CHIP T.C	100 pF	50V	J	2	D010101167160S	A
C808L/R	C,ELECT GE 85C	10 uF	50V	M	2	D040100087070S	A
C809	C,ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S	A
C810	C,ELECT GE 85C	100 uF	10V	M	1	D040101082090S	A
C810SW	C,CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	A
C811	C,CERAMIC CHIP HIK	0.1 uF	50V	Z	1	D011104597160S	A
C812 ~ C813	C,ELECT GE 85C	0.1 uF	50V	M	2	D040R10087080S	A
C814L/R	C,FILM POLYESTER	0.022 uF	100V	J	2	D02022306C060S	A
C815L/R	C,FILM POLYESTER	0.01 uF	100V	J	2	D02010306C060S	A
C816	C,ELECT GE 85C	0.1 uF	50V	M	1	D040R10087080S	A
	COILS						
BD801~BD803, BD806~BD808	COIL,BEAD				6	D340160811210S	A
BD804 ~ BD805, BD809	BEAD,COIL				3	7610010030000S	A
	CONNECTORS						
FPC801	CN.FPC 1.25MM				1	L131102100010S	A
JACK806	CN.WAFER INTERFACE				1	L103090090030S	A
	DIODES						
D801 ~ D802	D.SWITCHING CHIP				2	K005041480030S	A
	INTERGRATED CIRCUITS						
IC803	IC,LOGIC-INTERFACE				1	J046323200020S	A
	JACKS						
JACK801 ~ JACK802	JACK,D3.5				2	G401035320010S	A
JACK803	JACK,D3.5				1	G40100350000YS	A
JACK804	TER,RCA 3PIN				1	G606319CG01BYS	A
JACK805	TER,BOARD SCREW 4P				1	G612405E0900YS	A
	RESISTORS						
J817 ~ J819	R,CHIP THICK	0 ohm	1/8W	J	3	C200000061300S	A
R801	R,CARBON FILM	100 ohm	1/5W	J	1	C00001016P520S	A
R802	R,CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	A
R803 ~ R804	R,CHIP THICK	47 kohm	1/16W	J	2	C20004736M160S	A
R805	R,CHIP THICK	330 ohm	1/16W	J	1	C20003316M160S	A
R806	R,CHIP THICK	100 ohm	1/16W	J	1	C20001016M160S	A
R808 ~ R809, R812	R,CHIP THICK	47 ohm	1/16W	J	3	C20004706M160S	A
R813L/R	R,CHIP THICK	330 ohm	1/16W	J	2	C20003316M160S	A
R814L/R	R,CHIP THICK	220 kohm	1/16W	J	2	C20002246M160S	A
R815SW	R,CHIP THICK	47 ohm	1/16W	J	1	C20004706M160S	A
R816SW	R,CHIP THICK	100 kohm	1/16W	J	1	C20001046M160S	A
R817SW	R,CHIP THICK	470 ohm	1/16W	J	1	C20004716M160S	A
R818 ~ R821	R,CHIP THICK	4.7 kohm	1/16W	J	4	C20004726M160S	A
R822L/R	R,CHIP THICK	470 ohm	1/16W	J	2	C20004716M160S	A
R823L/R	R,CHIP THICK	100 kohm	1/16W	J	2	C20001046M160S	A
R824 ~ R825	R,CHIP THICK	4.7 kohm	1/16W	J	2	C20004726M160S	A
	TRANSISTORS						
Q801 ~ Q802	SEMI,CHIP TR/NPN 2SC				2	J522011000210S	A
Q803	SEMI,CHIP TR/NPN 2SC				1	J522010200210S	A
Q804 ~ Q809	SEMI,CHIP TR/NPN 2SC				6	J5222875B0010S	A
Q810	SEMI,CHIP TR/PNP 2SA				1	J5201504Y0210S	A
	MISCELLANEOUS						
CN801	CN,WIRE 2MM				1	L002500052620S	A
CN802	CN,WIRE				1	L000141040070S	A
IC801 ~ IC802	PHOTO,COUPLER				2	K614817000020S	A
J801 ~ J807, J810, J812	CN,WIRE 1P				9	L045084006040S	A
RLY801	RELAY				1	G680120502050S	A
	P.C.B				1	7020068560000S	A
PCB16	ASSEMBLY P.C.B BOARD SPK					7028068561010	A(RD-8504 only)
PCB16	ASSEMBLY P.C.B BOARD SPK					7028068561020	G(RD-8504 only)
C807L/R	C,CERAMIC CHIP T.C	100 pF	50V	J	2	D010101167160S	A/G
C808L/R	C,ELECT GE 85C	10 uF	50V	M	2	D040100087070S	A/G
C810SW	C,CERAMIC CHIP T.C	100 pF	50V	J	1	D010101167160S	A/G
C814L/R	C,FILM POLYESTER	0.022 uF	100V	J	2	D02022306C060S	A/G
C815L/R	C,FILM POLYESTER	0.01 uF	100V	J	2	D02010306C060S	A/G
FPC802	CN.FPC 1.25MM				1	L131101300010S	A/G
D802	D.SWITCHING CHIP				1	K005041480030S	A/G
JACK803	JACK,D3.5				1	G40100350000YS	A/G
JACK804	TER,RCA 3PIN				1	G60631901B20YS	A/G
JACK805	TER,BOARD SCREW 4P				1	G612405E0900YS	A/G
J817 ~ J819	R,CHIP THICK	0 ohm	1/8W	J	3	C200000061300S	A/G
R806	R,CHIP THICK	100 ohm	1/16W	J	1	C20001016M160S	A/G

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
R813L/R	R,CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	A/G
R814L/R	R,CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	A/G
R815SW	R,CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	A/G
R816SW	R,CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	A/G
R817SW	R,CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	A/G
R818 ~ R821	R,CHIP THICK 4.7 kohm 1/16W J	4	C20004726M160S	A/G
R822L/R	R,CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	A/G
R823L/R	R,CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	A/G
R824 ~ R825	R,CHIP THICK 4.7 kohm 1/16W J	2	C20004726M160S	A/G
Q803	SEMI,CHIP TR/NPN 2SC	1	J522010200210S	A/G
Q804 ~ Q809	SEMI,CHIP TR/NPN 2SC	6	J5222875B0010S	A/G
BD804	BEAD,COIL	1	7610010030000S	A/G
BKT01	BRACKET	1	4010210196100S	A/G
CN802	CN,WIRE	1	L000141040070S	A/G
J801 ~ J806	CN,WIRE 1P	6	L045084006040S	A/G
RLY801	RELAY	1	G680120502050S	A/G
	P.C.B	1	7020068560000S	A/G
PCB17	ASSEMBLY P.C.B BOARD VIDEO04		7028068536010	G(RD-8504 only)
C713L/R	C,CERAMIC CHIP T.C 470 pF 50V J	2	D010471167160S	G
C717	C,ELECT GE 85C 47 uF 16V M	1	D040470083060S	G
C735L/R	C,ELECT GE 85C 10 uF 50V M	2	D040100087070S	G
C748	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	G
C749	C,CERAMIC CHIP T.C 470 pF 50V J	1	D010471167160S	G
C750	C,CERAMIC CHIP HIK 0.01 uF 50V K	1	D011103777160S	G
C751	C,CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	G
C752	C,CERAMIC CHIP T.C 470 pF 50V J	1	D010471167160S	G
C753	C,CERAMIC CHIP HIK 0.01 uF 50V K	1	D011103777160S	G
CB701 ~ CB702, CB723, CB727, CB729	COIL,BEAD	5	D340160811210S	G
JACK700	TER,RCA 3PIN	1	G606040320000S	G
R743	R,CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	G
R782L/R	R,CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	G
R784L/R	R,CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	G
CN707	CN,WIRE 2MM	1	L002301050080S	G
J713, J725	CN,WIRE 1P	2	L045084006040S	G
WIRE701	RING,TER WIRE	1	8410101010160S	G

MAIN - TOP

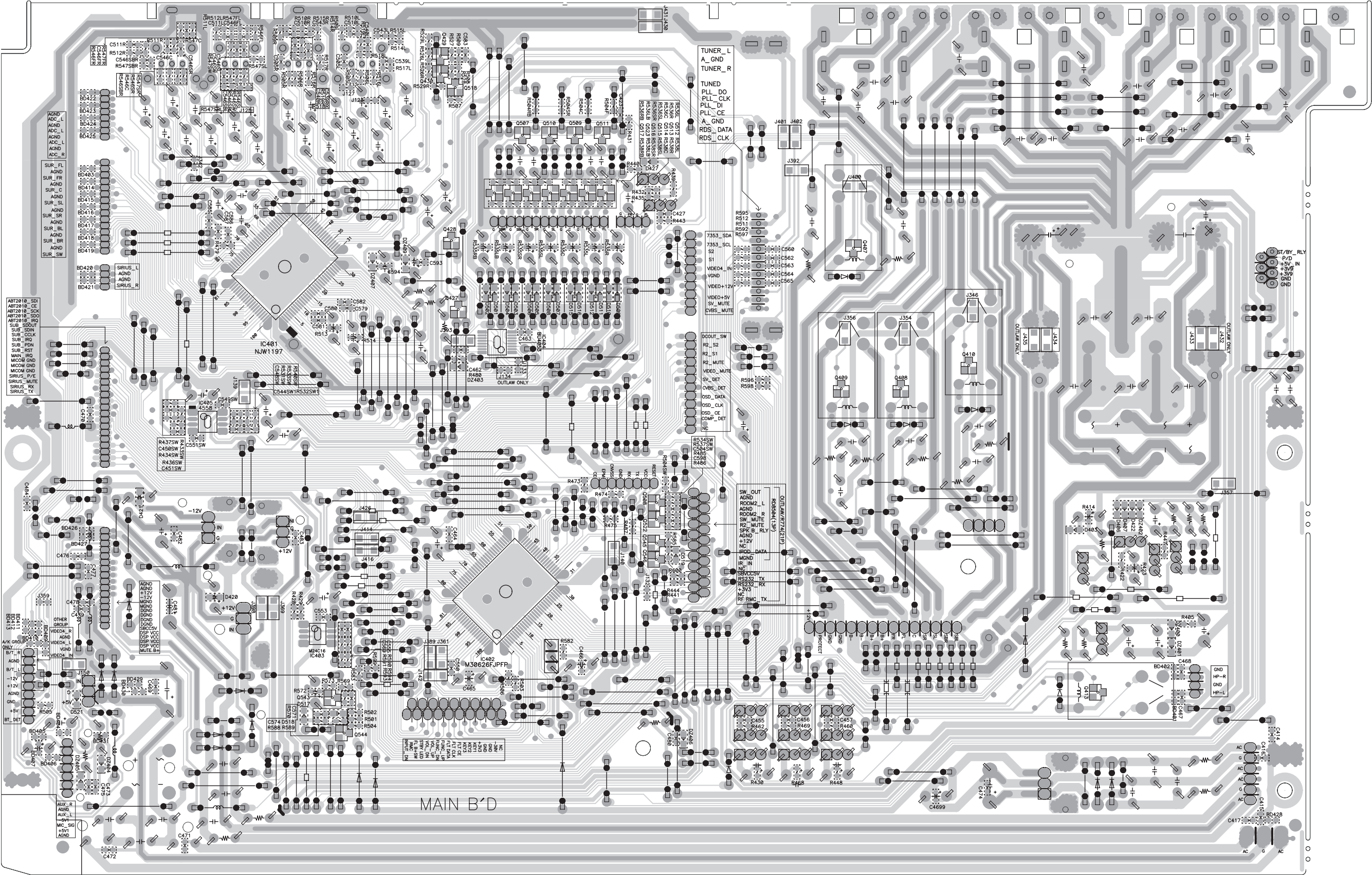
HEATSINK GUIDE



PRINTED CIRCUIT BOARDS 2

Model : RD-8504/R-774

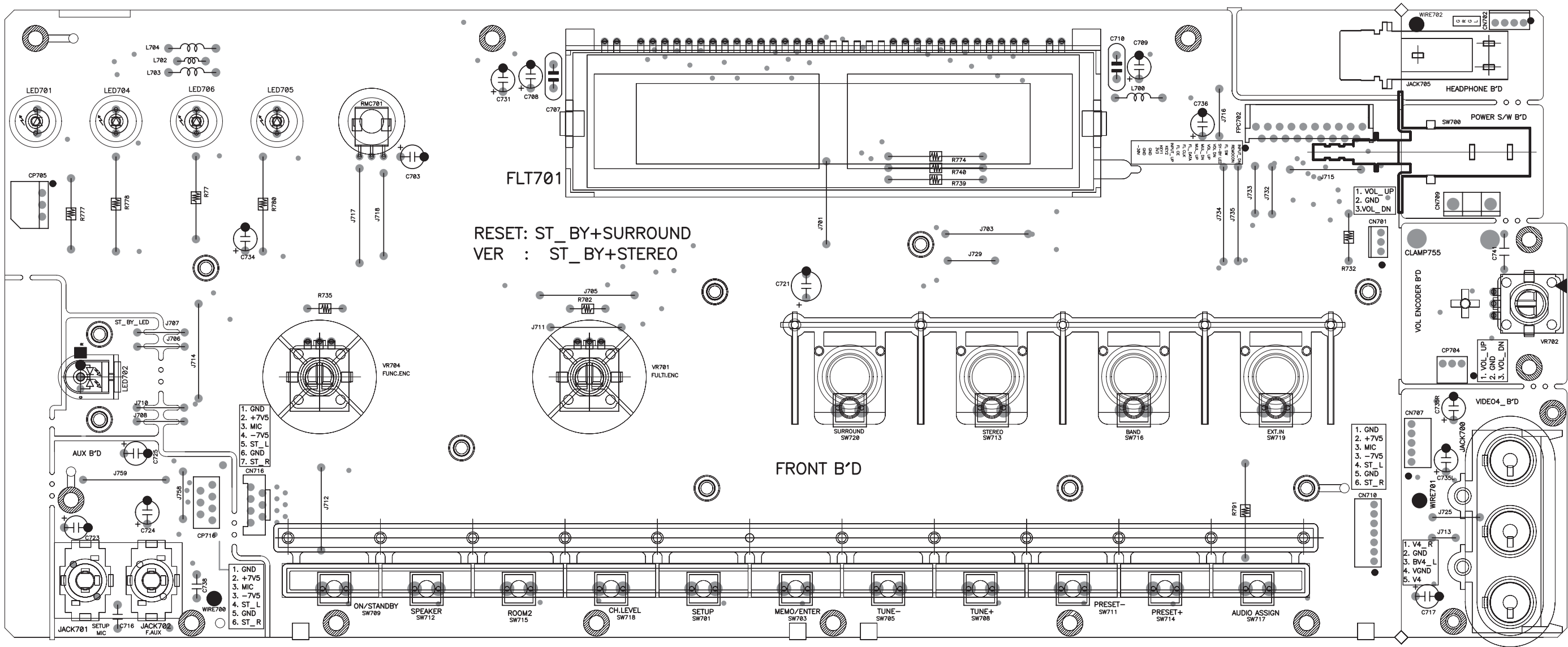
MAIN - BOTTOM



PRINTED CIRCUIT BOARDS 3

Model : RD-8504/R-774

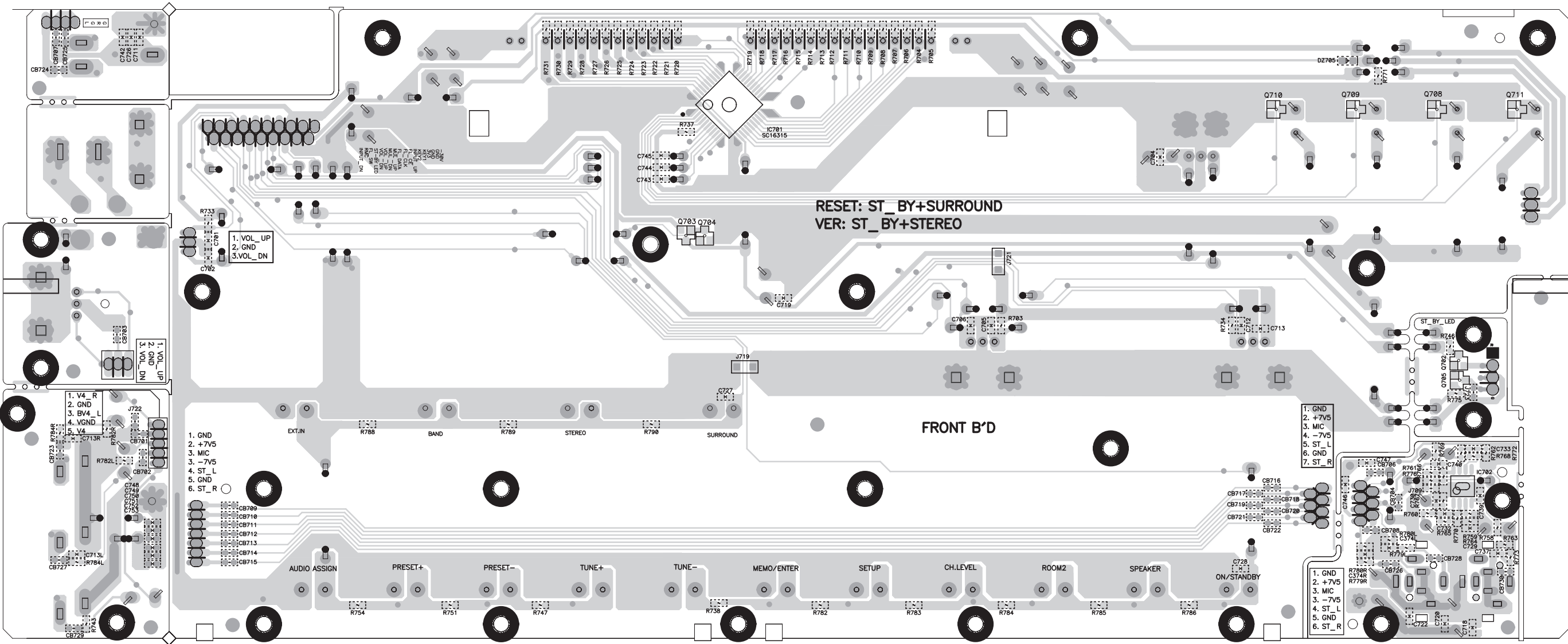
FRONT - TOP



PRINTED CIRCUIT BOARDS 4

Model : RD-8504/R-774

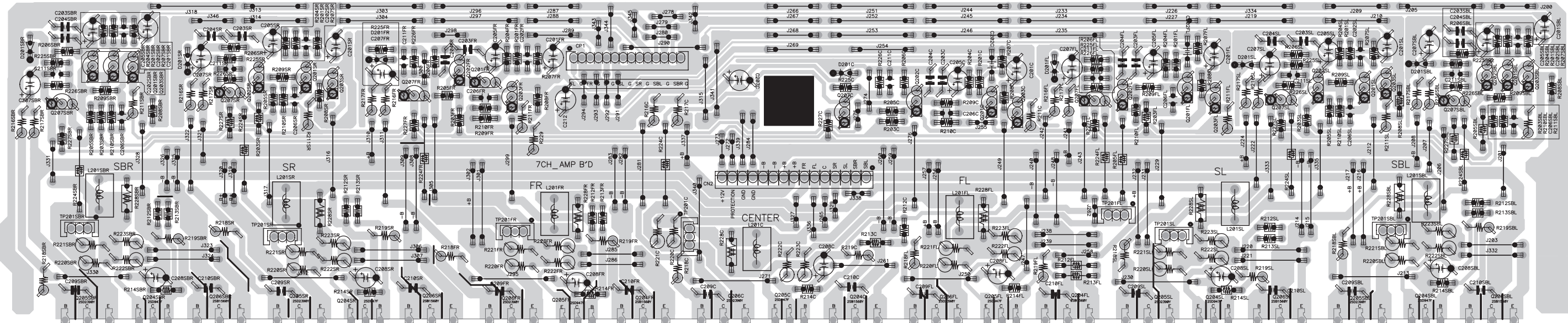
FRONT - BOTTOM



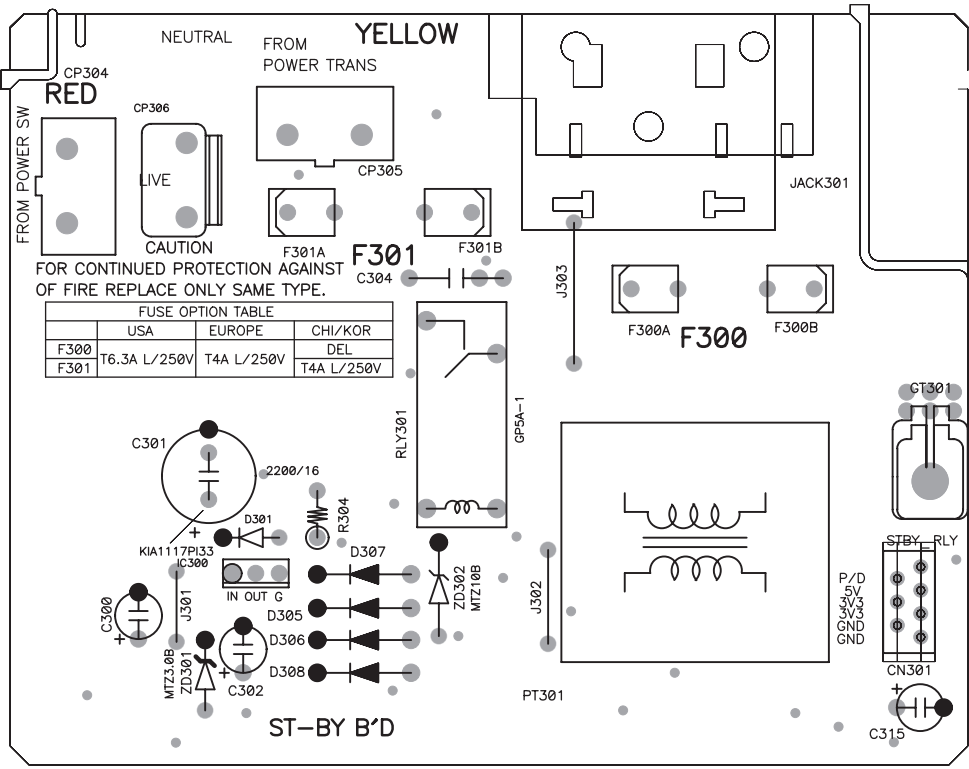
PRINTED CIRCUIT BOARDS 5

Model : RD-8504/R-774

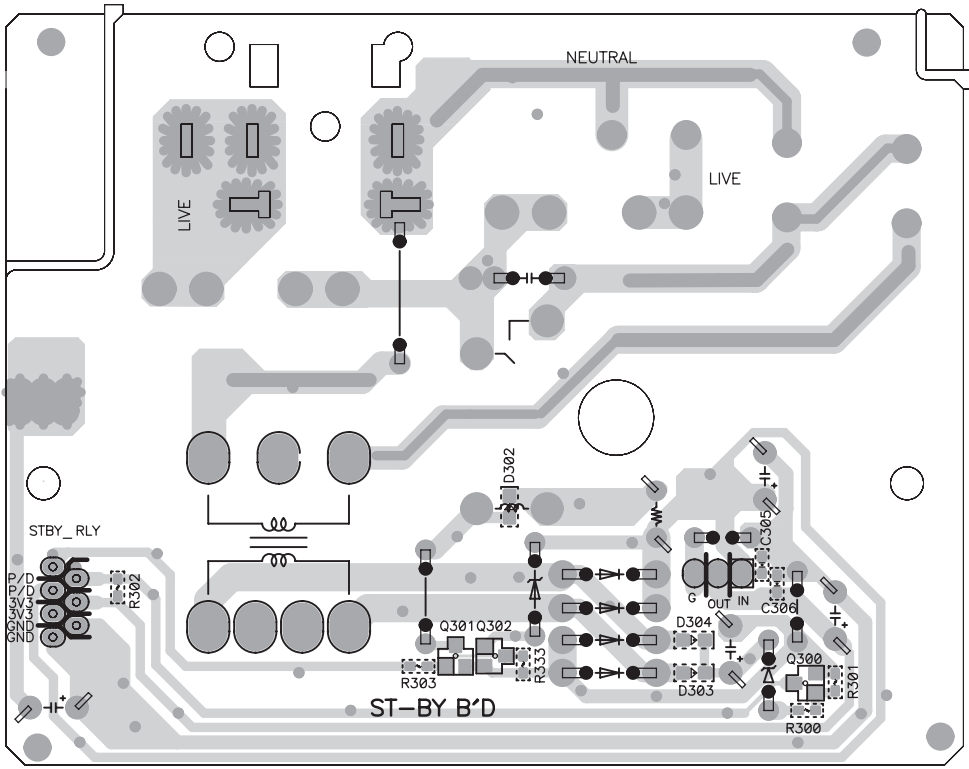
AMP



STAND BY - TOP

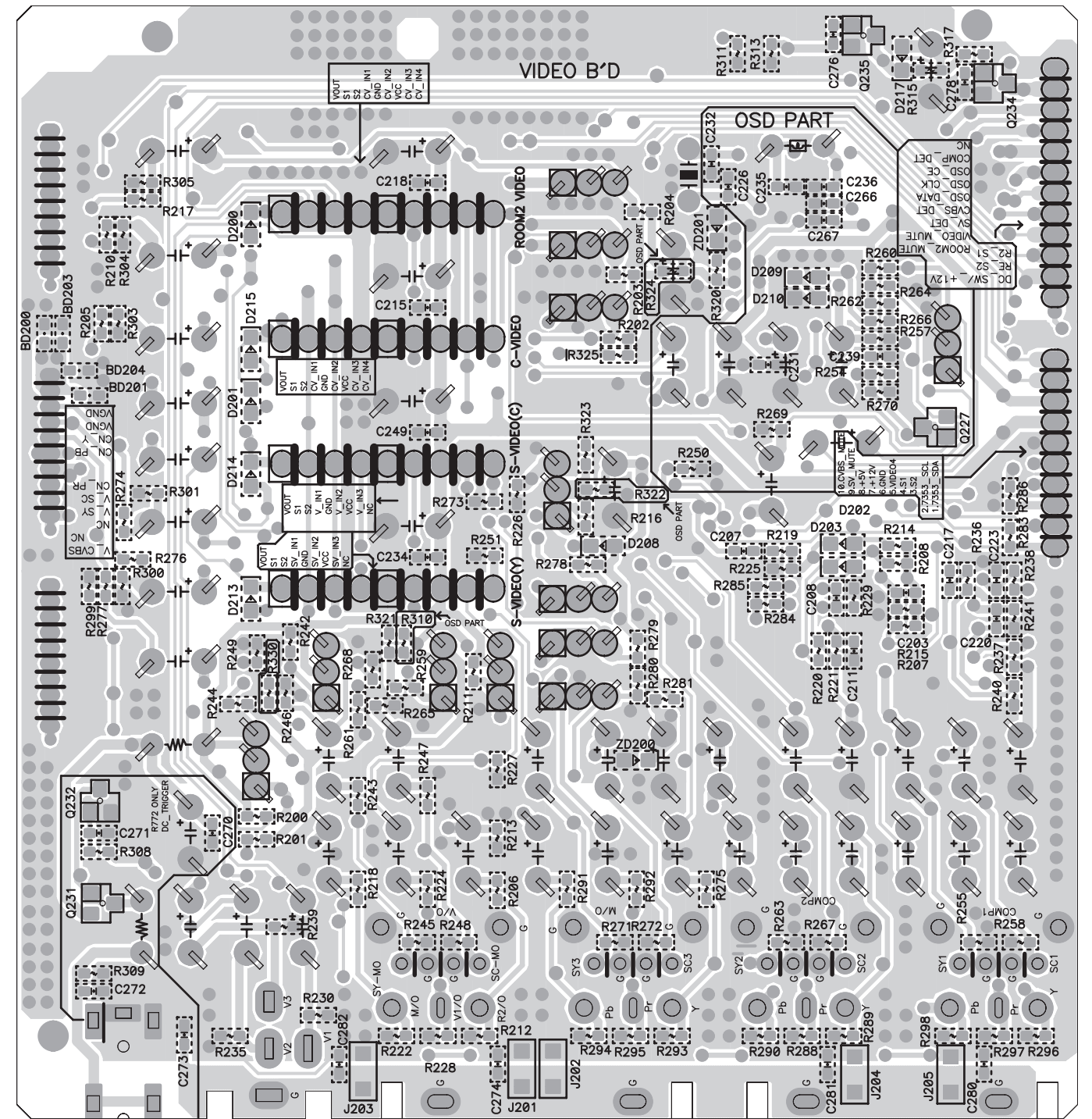


STAND BY - BOTTOM



Model : RD-8504/R-774

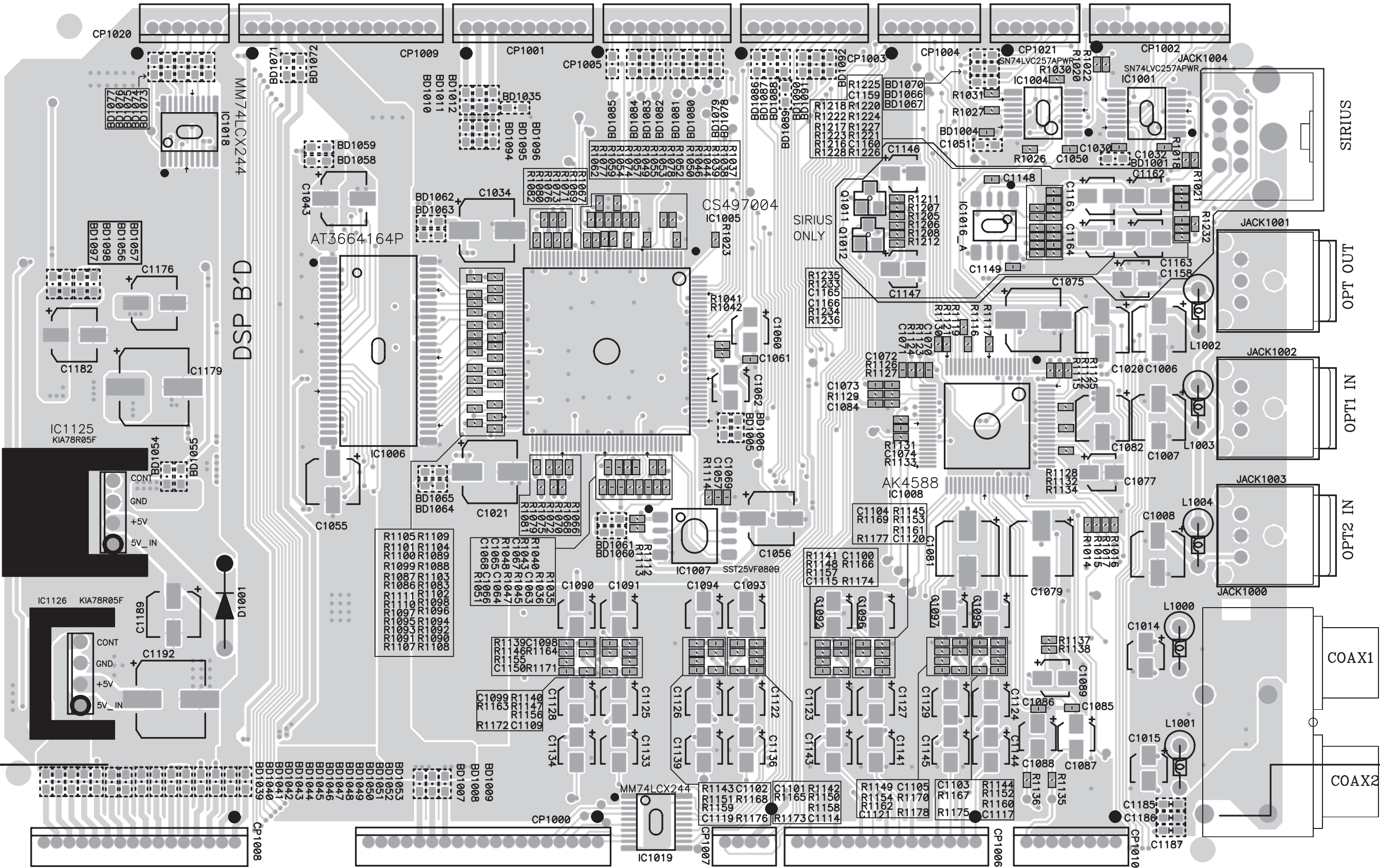
VIDEO - BOTTOM



PRINTED CIRCUIT BOARDS 7

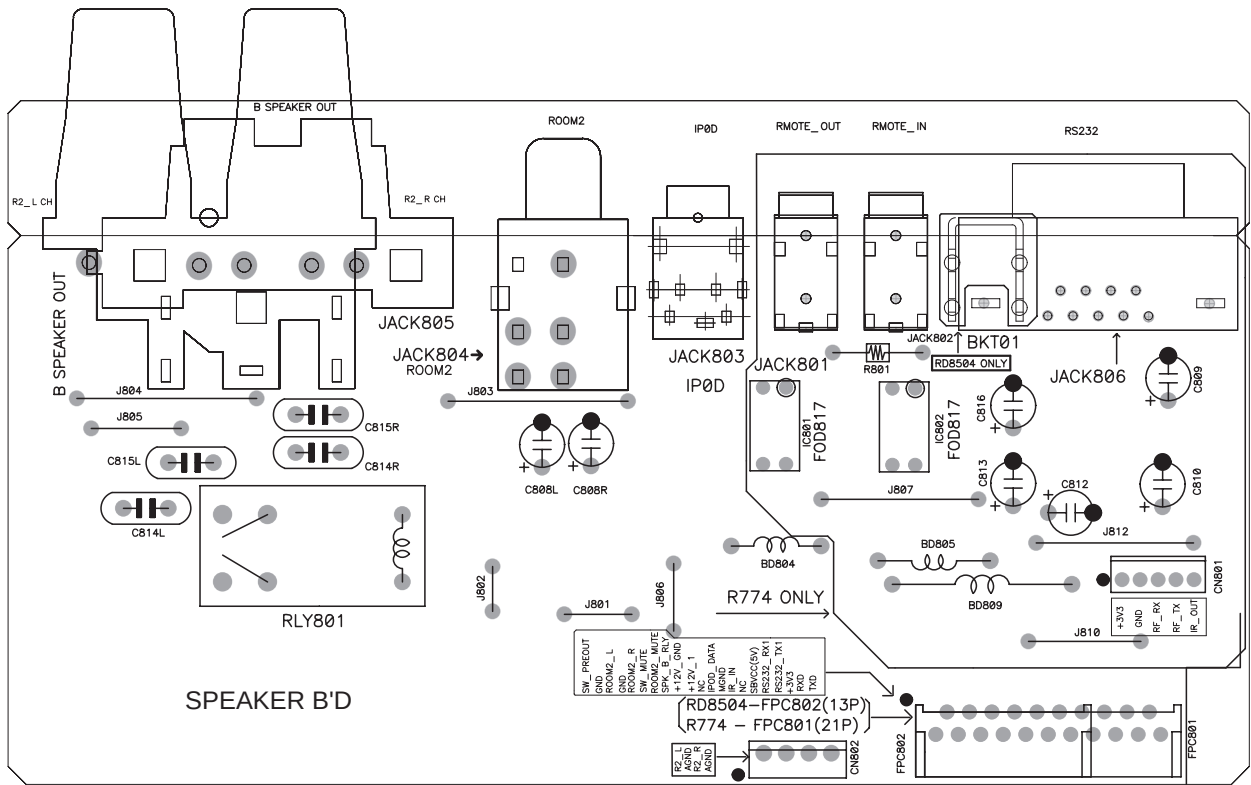
Model : RD-8504/R-774

DSP - TOP

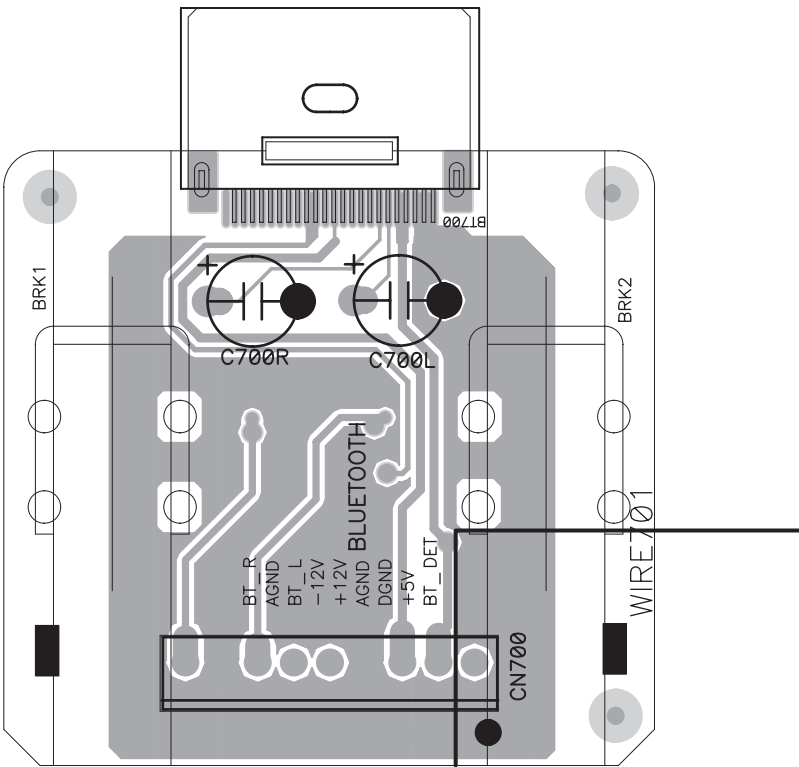


Model : RD-8504/R-774

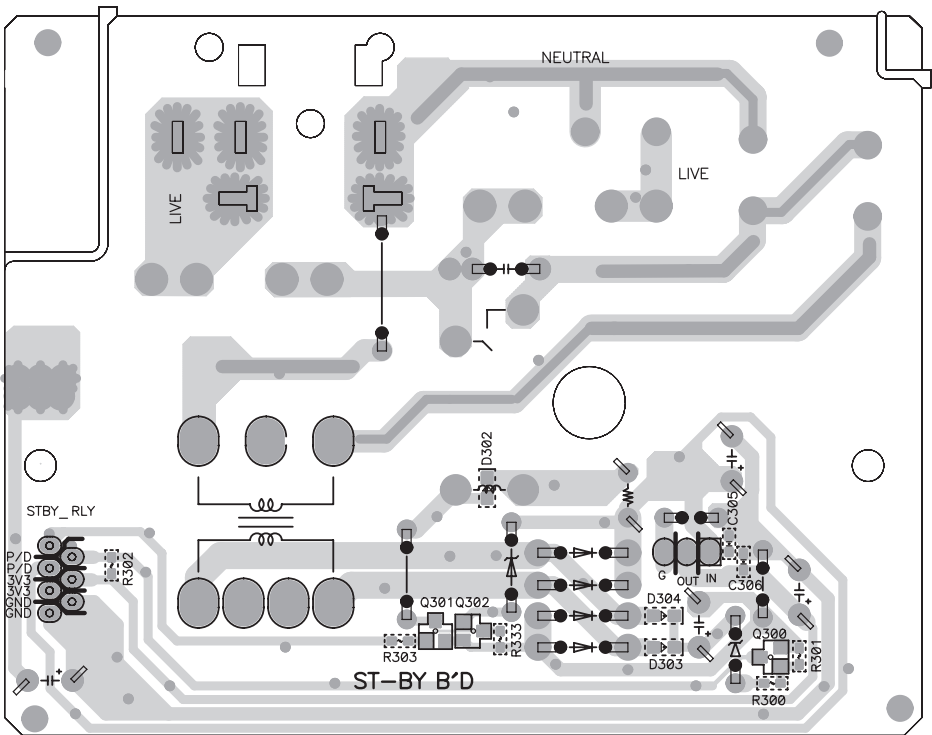
SPEAKER - TOP



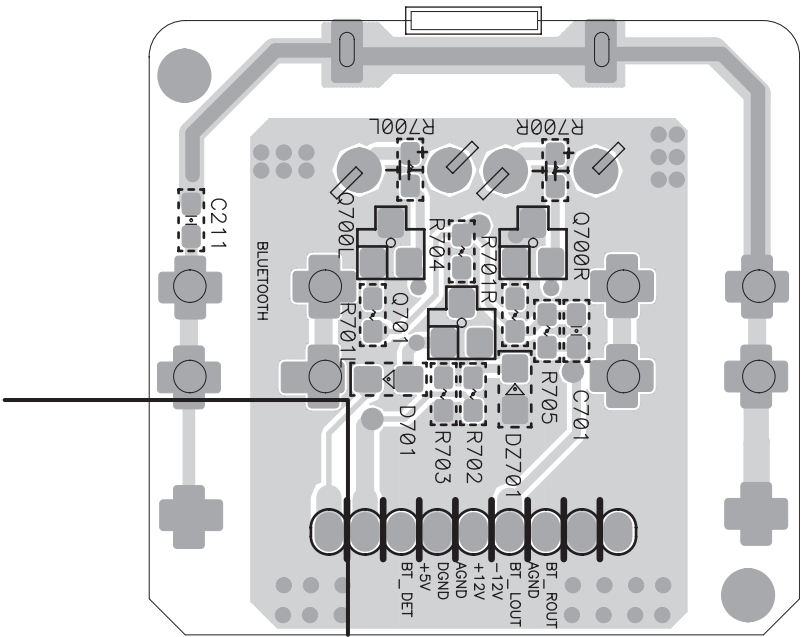
BLUETOOTH - TOP



SPEAKER - BOTTOM

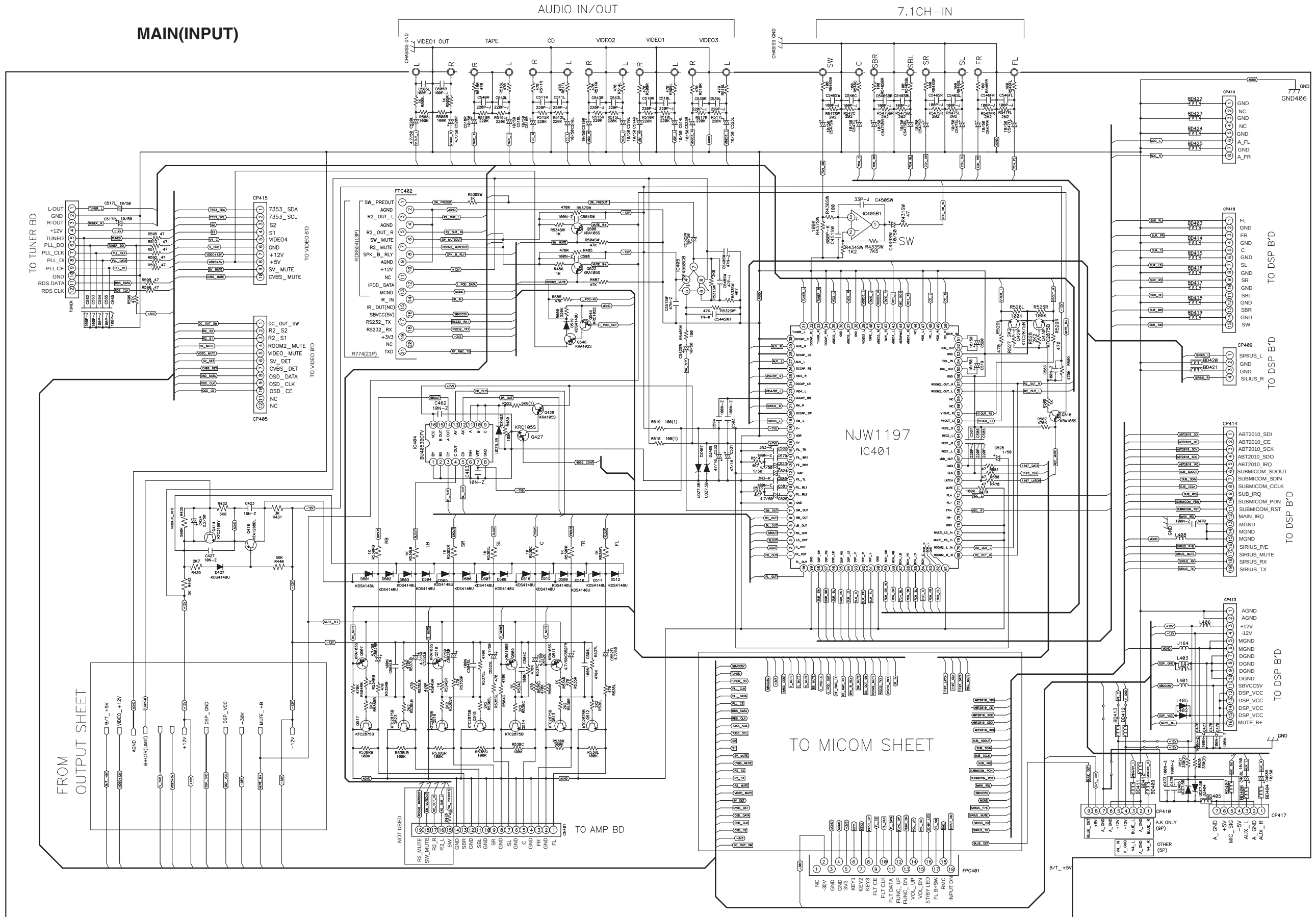


BLUETOOTH - BOTTOM



SCHEMATIC DIAGRAMS 1

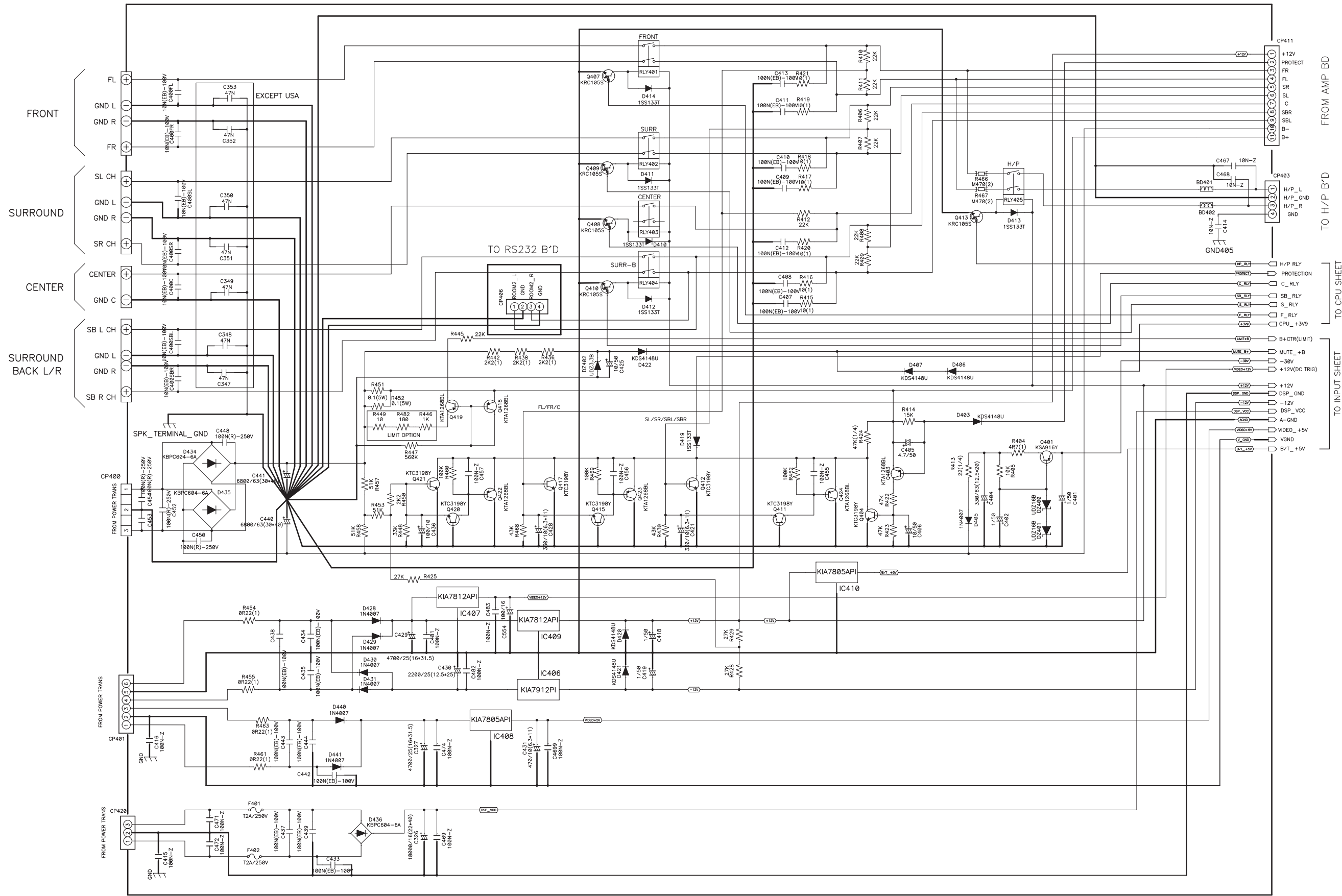
Model : RD-8504/R-774



SCHEMATIC DIAGRAMS 2

MAIN(OUTPUT)

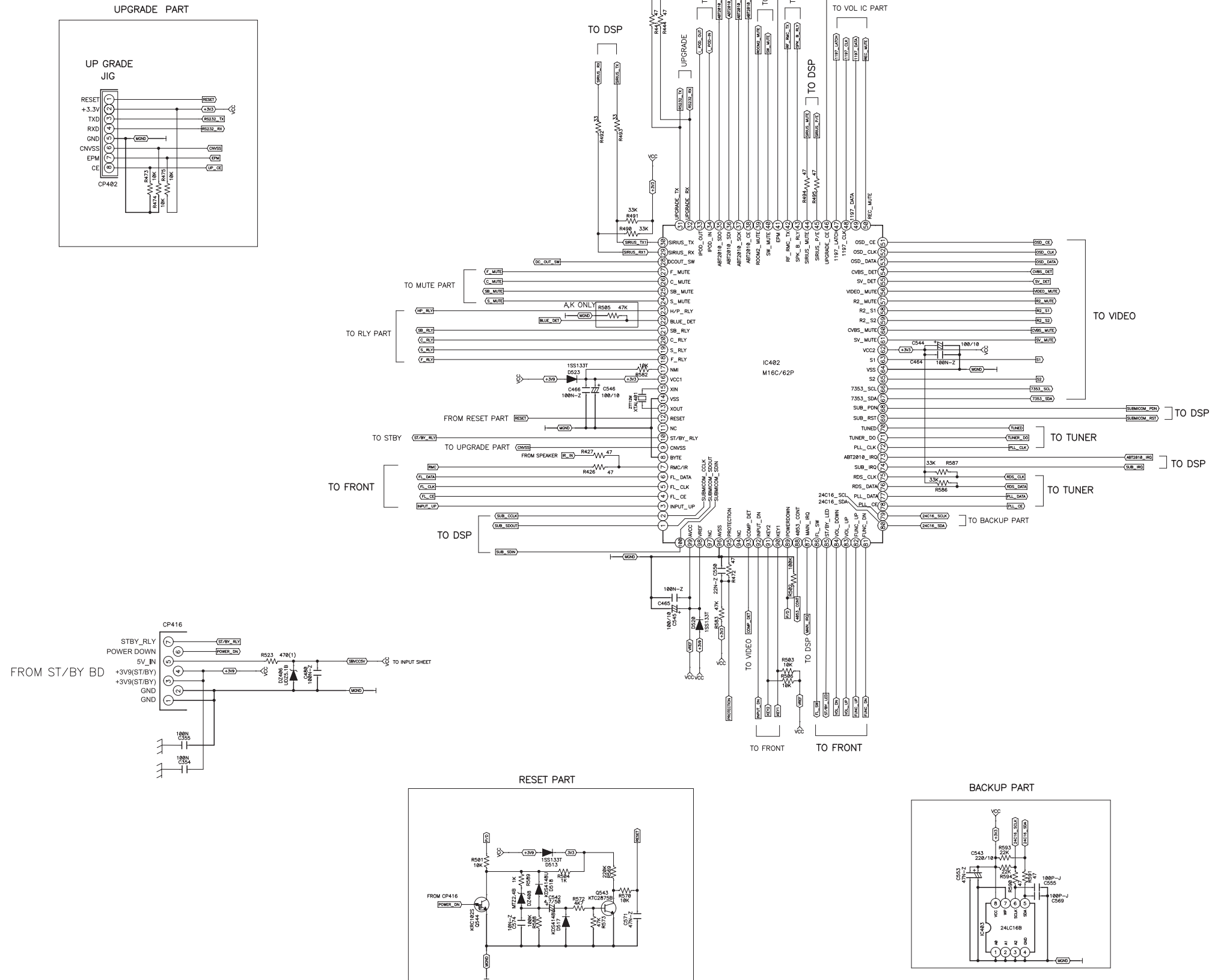
Model : RD-8504/R-774



SCHEMATIC DIAGRAMS 3

Model : RD-8504/R-774

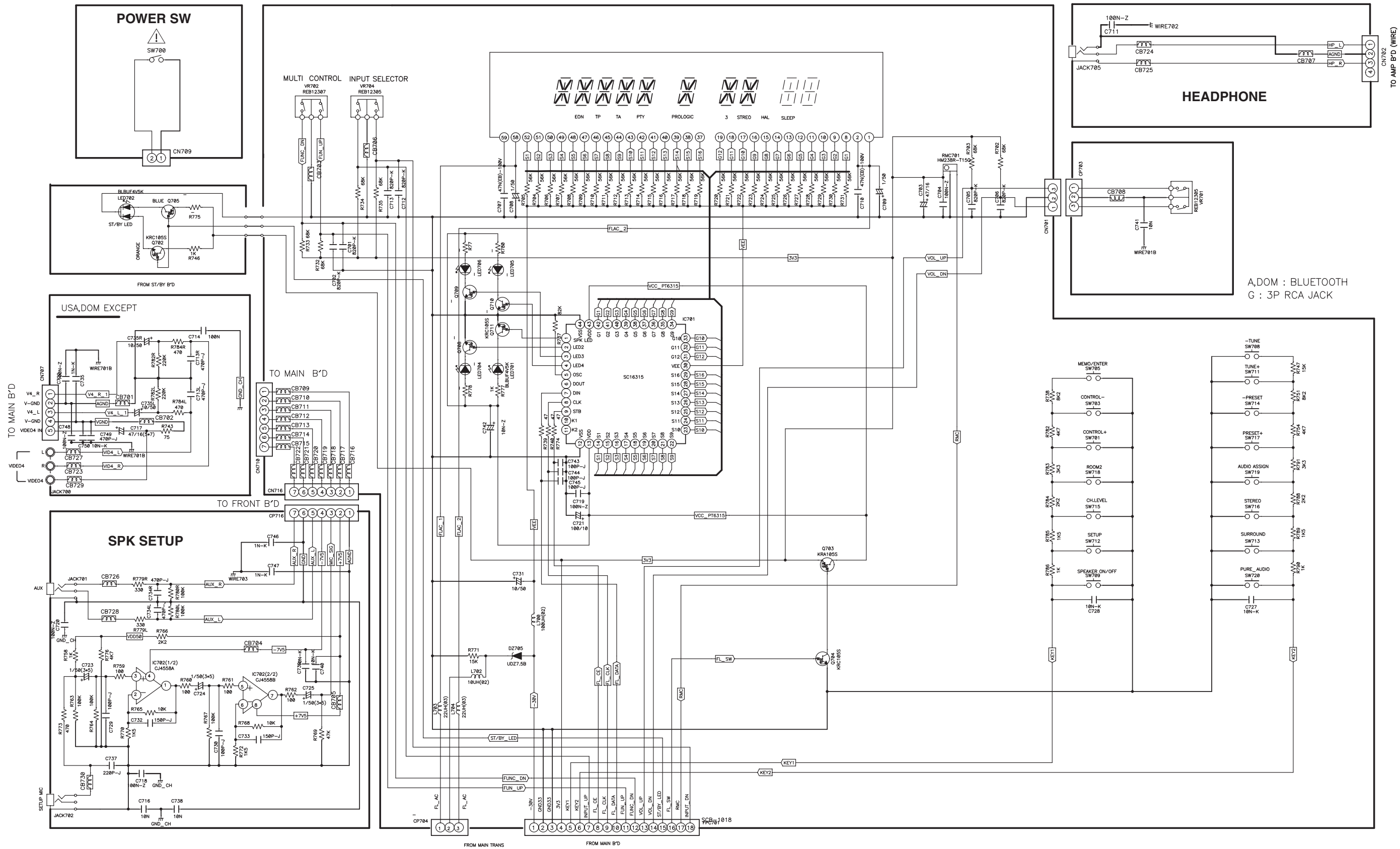
MAIN(CPU)



SCHEMATIC DIAGRAMS 4

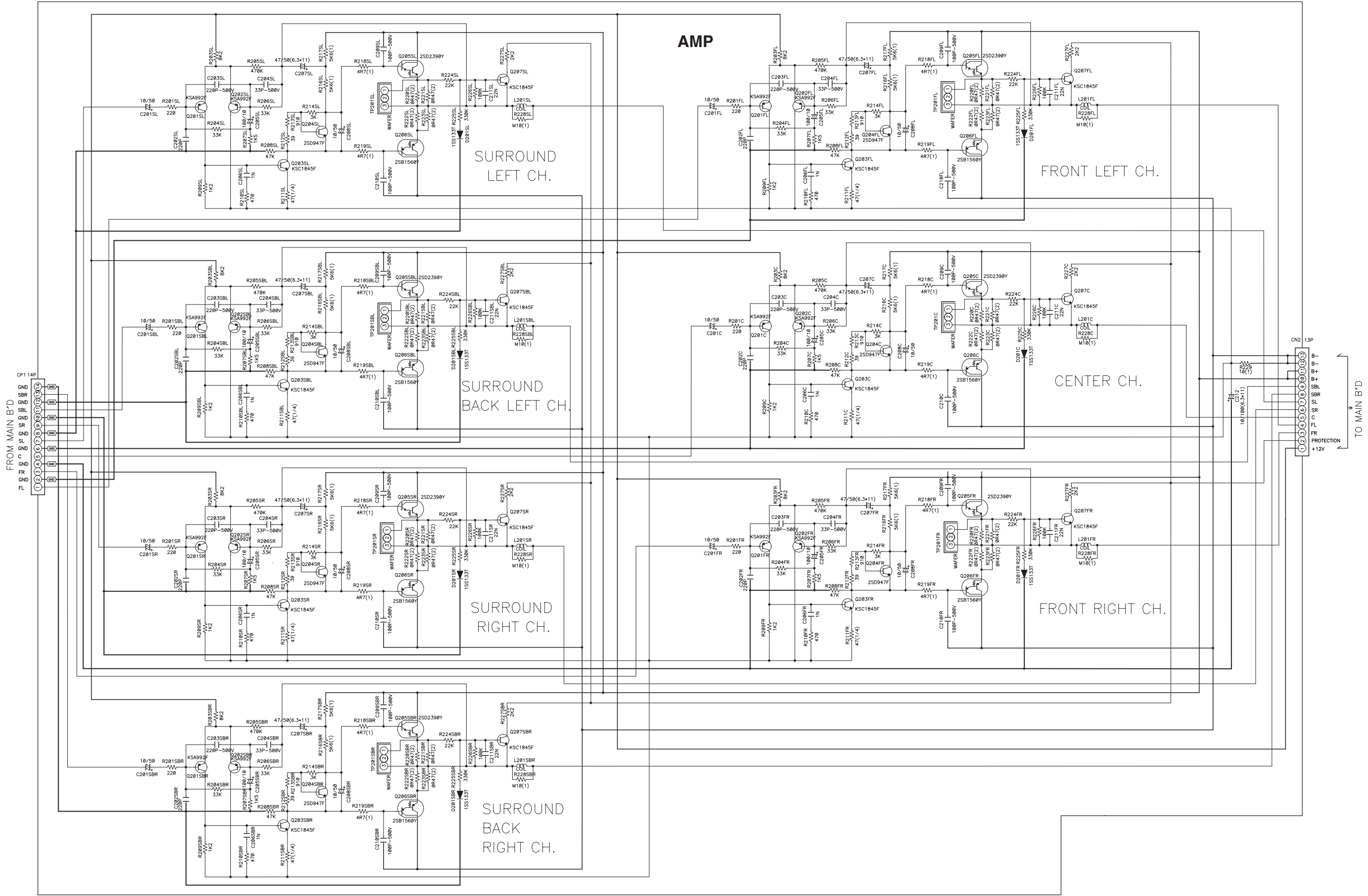
Model : RD-8504/R-774

FRONT



SCHEMATIC DIAGRAMS 5

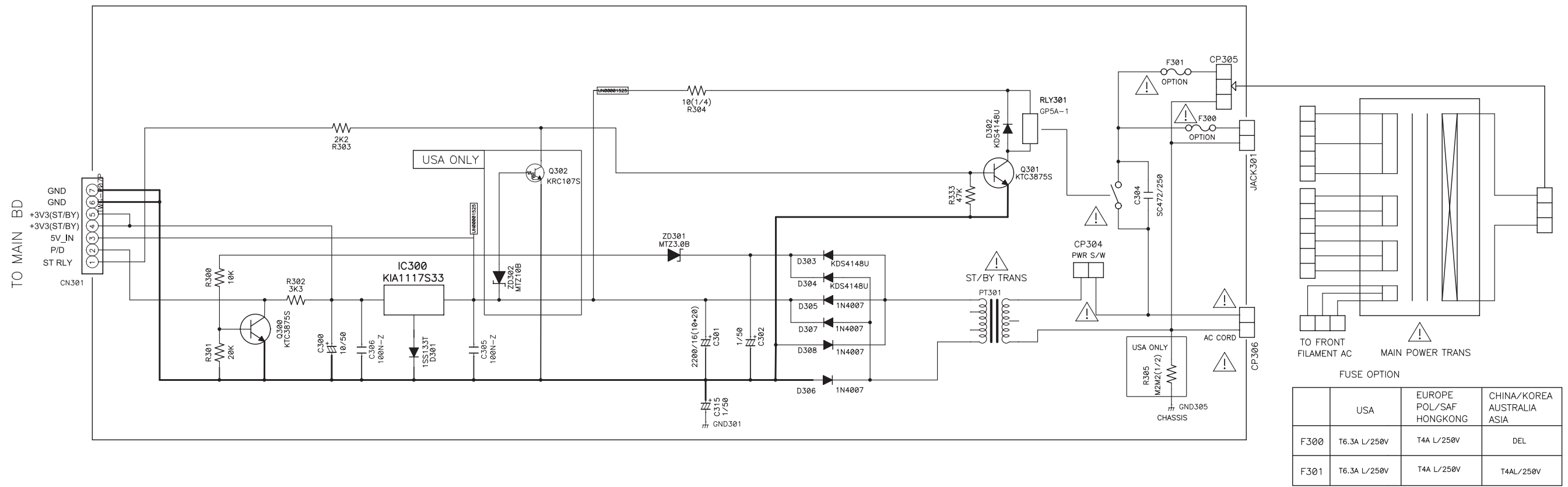
Model : RD-8504/R-774



SCHEMATIC DIAGRAMS 6

Model : RD-8504/R-774

STANDBY



⚠ INDICATES SAFETY CRITICAL COMPONENTS.
TO REDUCE THE RISK OF ELECTRIC SHOCK, LEAKAGE
CURRENT OR RESISTANCE MEASUREMENTS SHALL BE
CARRIED OUT (EXPOSED PARTS ARE ACCEPTABLY
INSULATED FROM THE SUPPLY CIRCUIT) BEFORE
THE APPLIANCE RETURNED TO THE CUSTOMER.

NOTES

1. Resistor values are indicated in
ohms unless otherwise specified
[k = 1,000 m = 1,000,000]

2. Capacitor values are indicated in
microfarads unless otherwise
specified.
[p = micro-microfarads]

3. : These resistor are to be
segregated from printed wiring board
or other accessible parts.

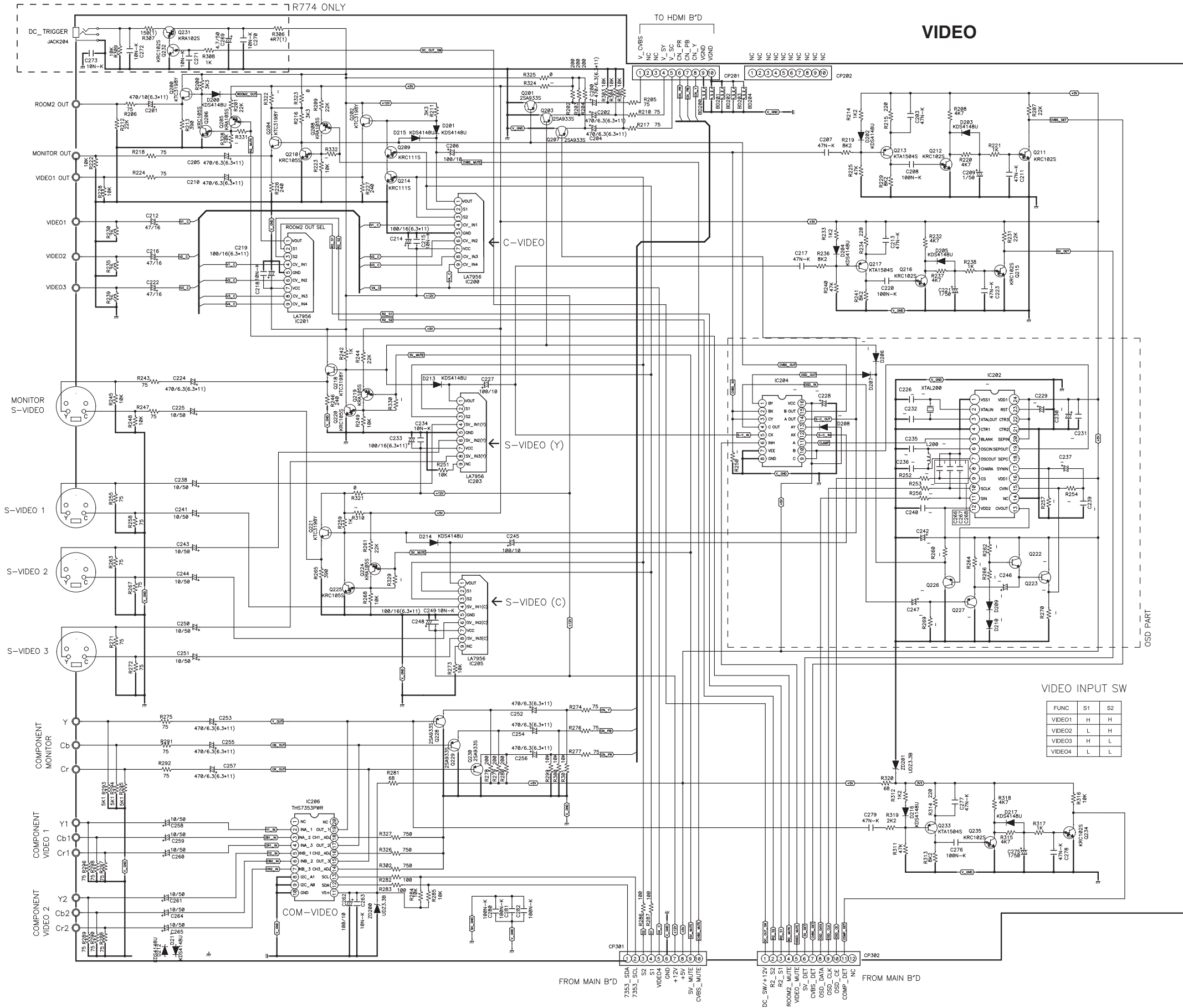
CAUTION
Safety precaution to be followed
during servicing

1) Since those parts marked with
are critical parts for safety,
use only the one described in the
parts list

2) Before returning the set to the
customer make appropriate leakage
current or resistance measurements
to determine the exposed parts
are properly insulated from the
supply circuit.

SCHEMATIC DIAGRAMS 7

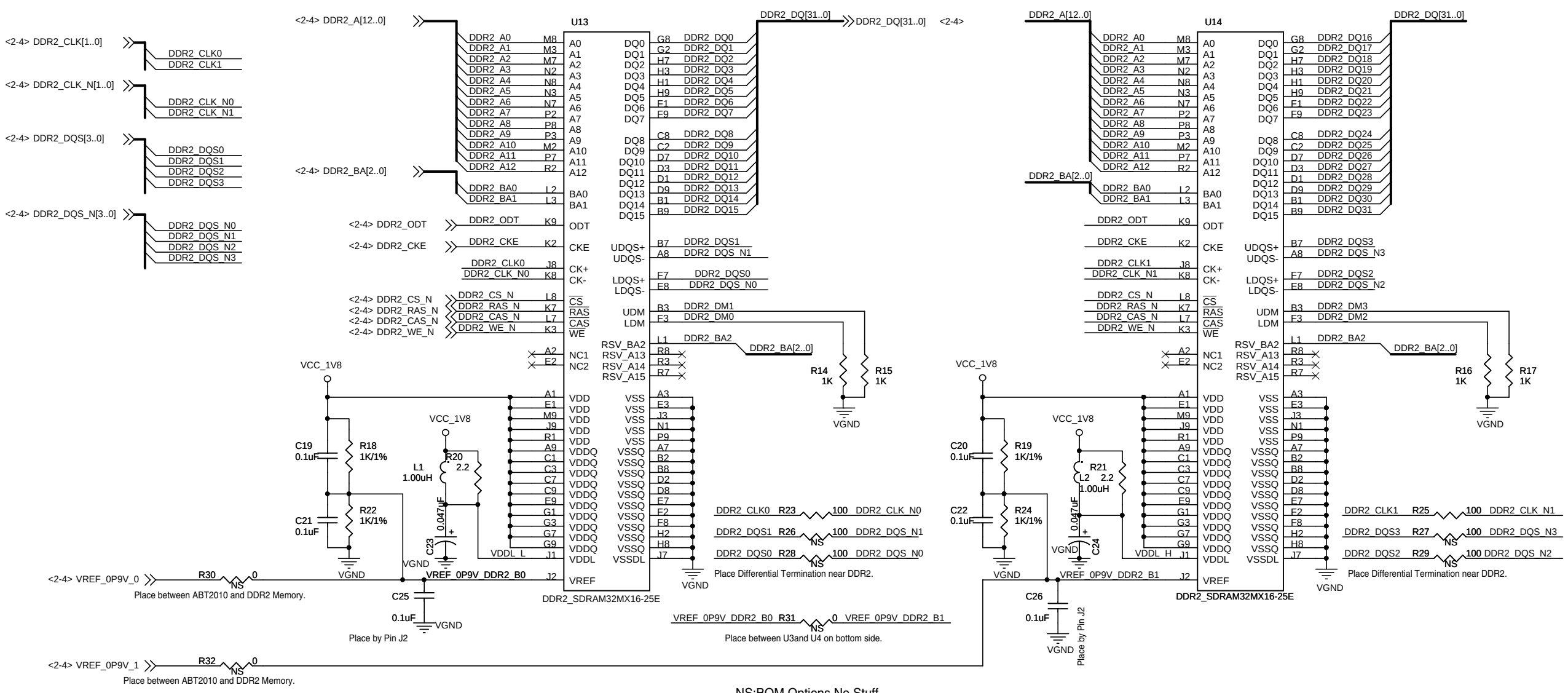
Model : RD-8504/R-774



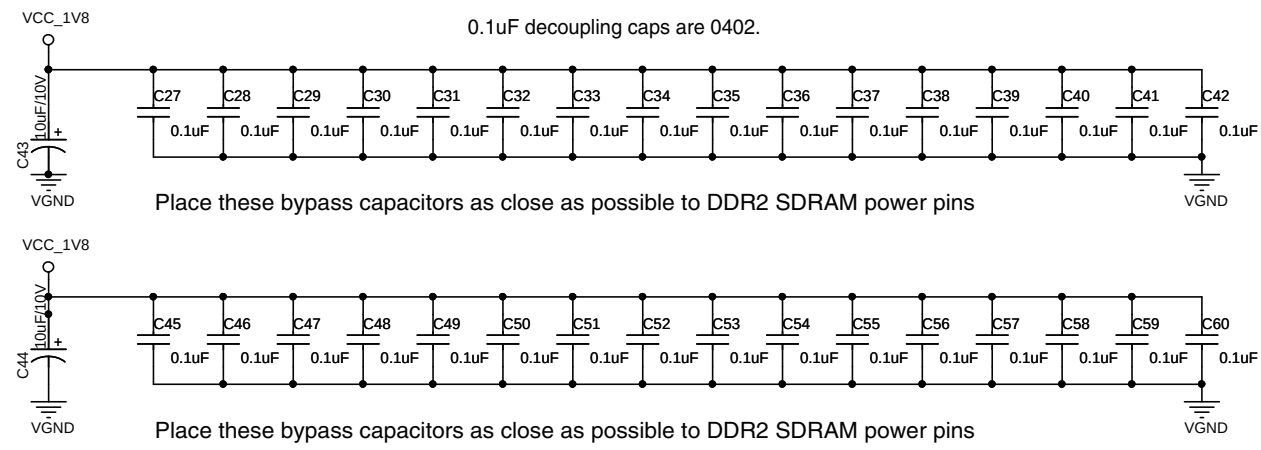
SCHEMATIC DIAGRAMS 8

Model : RD-8504/R-774

ABT2010 DDR PART



NS:BOM Options.No Stuff.

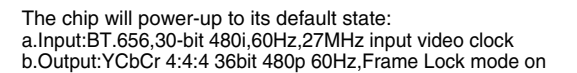


Place these bypass capacitors as close as possible to DDR2 SDRAM power pins

Place these bypass capacitors as close as possible to DDR2 SDRAM power pins

ABT2010 IO PART

U15A



The diagrams illustrate the pin configurations for the VCC_3V3 and VGND pins. The first diagram shows the default settings for the CG CL, DA, and FU pins. The second diagram shows the configuration for a 30MHz crystal (xtal_config 00: 30MHZ(default)). The third diagram shows the configuration for the I2C address (i2c_address set :0X30).

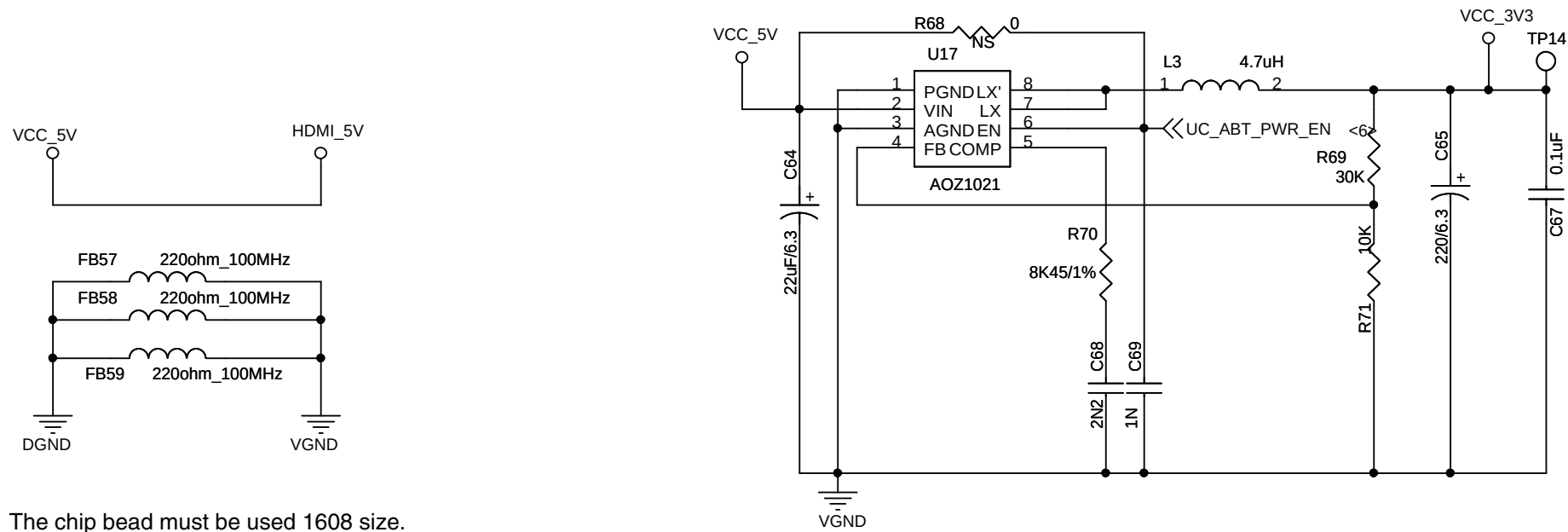
SCHEMATIC DIAGRAMS 10

Model : RD-8504/R-774

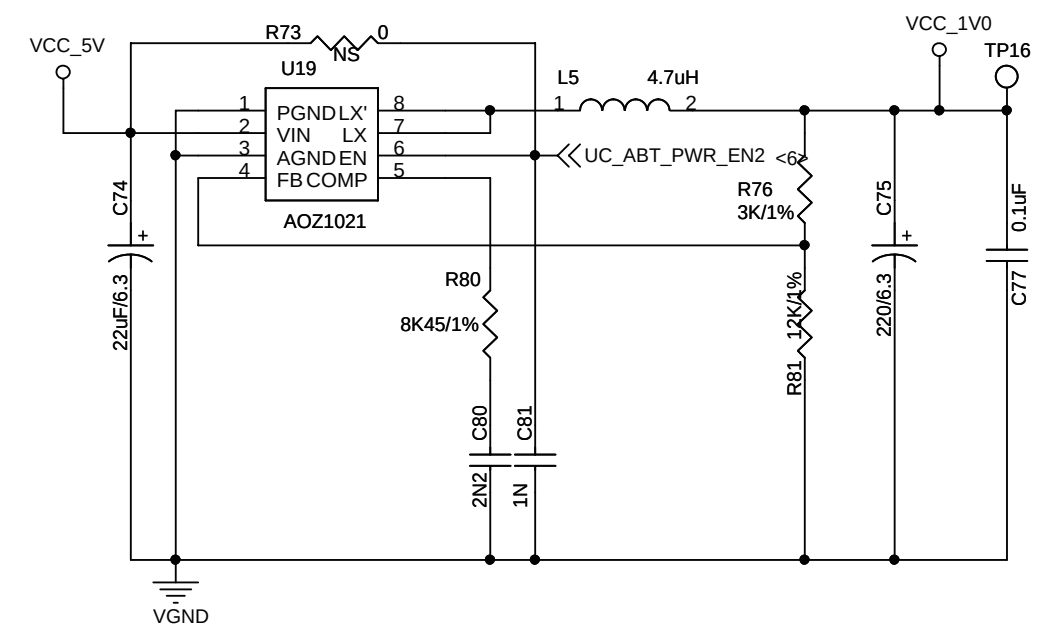
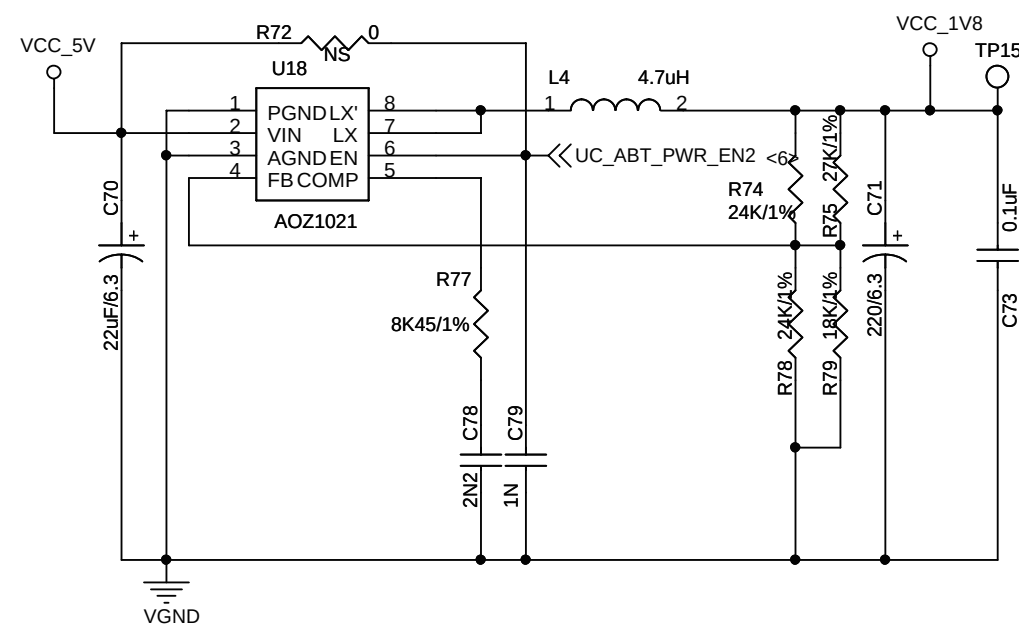
ABT2010 POWER PART

VCC 5V FROM POWER SUPPLY SOURCE

NS:BOM Options.No Stuff.



The chip bead must be used 1608 size.



The ABT2010's Core Voltage(1V) must come up before or at the same time as the 1V8 supply. The 1V8 supply must come up before or at the same time as the 3V3 supply.

ABT2010 DDR IF PART

The diagram illustrates the front panel of the ADALM2000, a portable active differential amplifier laboratory module. It shows the internal PCB layout with various components and their connections to the front panel connectors.

Power and Ground Connections:

- VCC_3V3:** Connected to the top of the board, with decoupling capacitors C82 (10uF/10V) and C83 (22uF).
- VCC_1V8:** Connected to the top of the board, with decoupling capacitors C119 (10uF/10V) and C120 (22uF).
- VCC_1V0:** Connected to the top of the board, with decoupling capacitors C127 (22uF) and C128 (10uF/10V).
- VCC_3V3:** Connected to the top of the board, with decoupling capacitors C136 (560pF) and C137 (560pF).
- VCC_XTAL_3.3:** Connected to the top of the board.
- VSS_XTAL:** Connected to the bottom of the board.
- VGND:** Ground connections throughout the board.

Decoupling Capacitors:

- C82: 10uF/10V
- C83: 22uF
- C100, C101, C102, C103, C104, C105, C106, C107, C108, C111, C112, C117, C113, C118, C114, C115, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C130, C131, C132, C136, C137

Resistors:

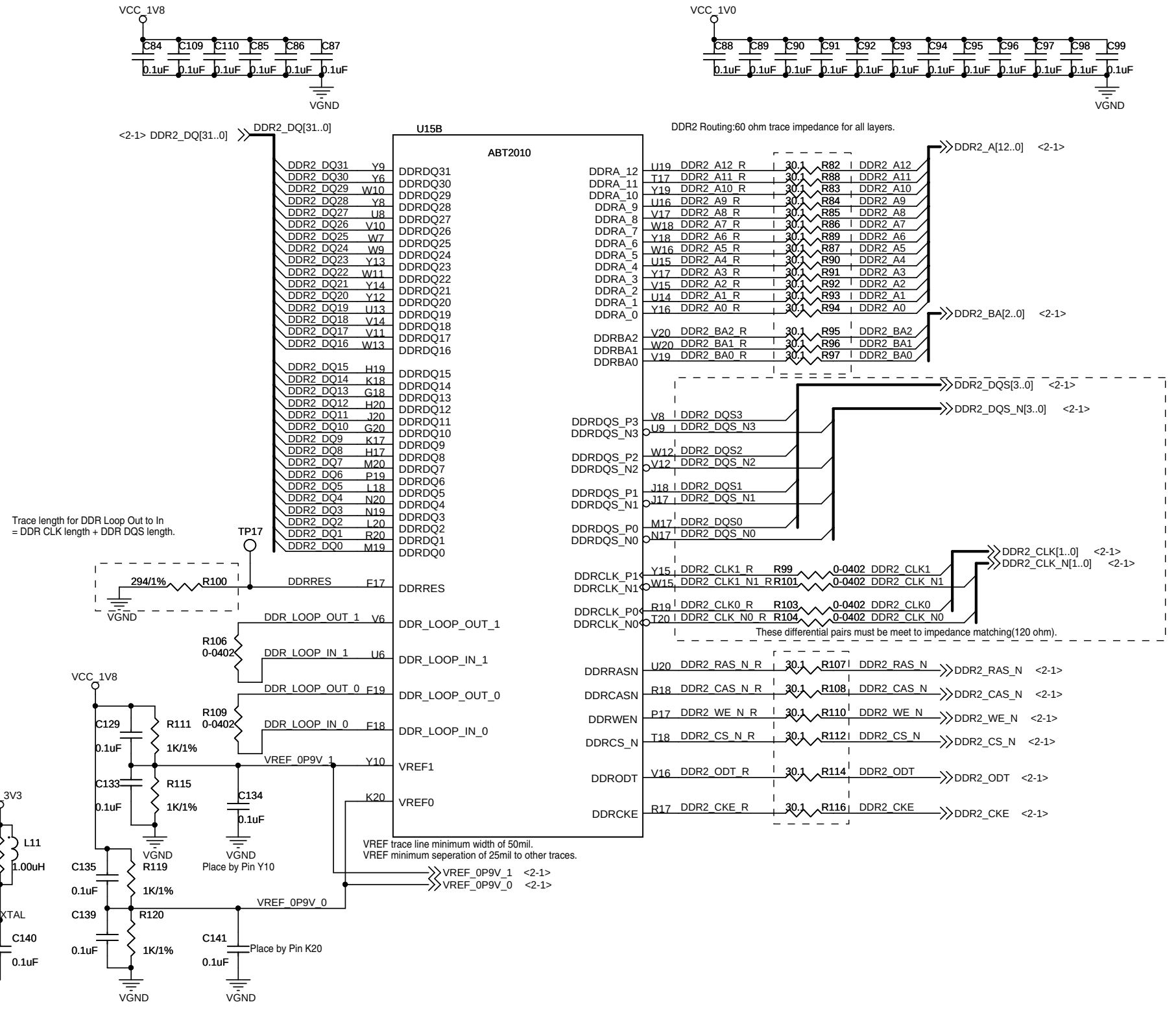
- R102: 2.2
- R105: 2.2
- R113: 2.2
- R117: 2.2
- R98: 2.2

Inductors:

- L6: 1.00uH
- L7: 1.00uH
- L8: 1.00uH
- L9: 1.00uH
- L10: 1.00uH

Other Components:

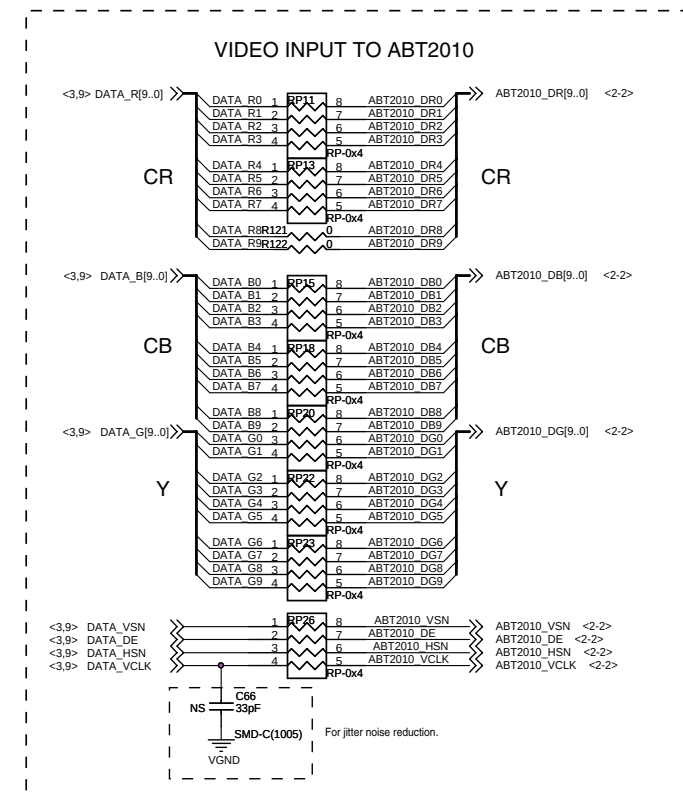
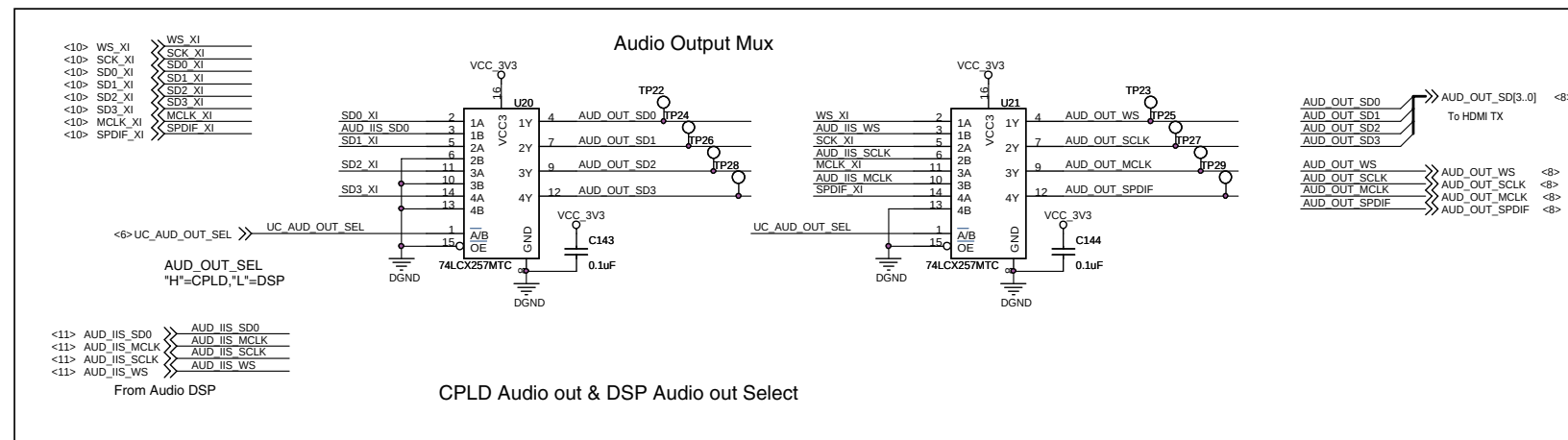
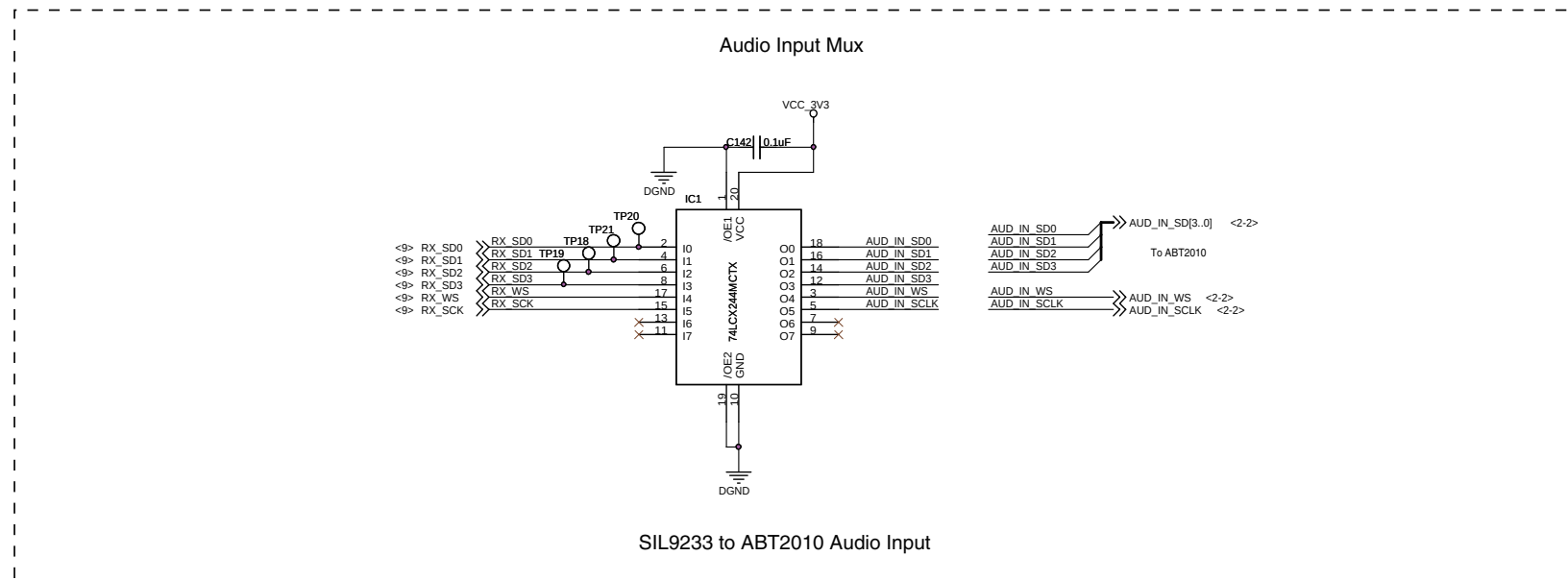
- U15C: ABT2010
- U4: VDD_1.0
- U5: VDD_1.0
- U6: VDD_1.0
- U7: VDD_1.0
- U8: VDD_1.0
- U9: VDD_1.0
- U10: VDD_1.0
- U11: VDD_1.0
- U12: VDD_1.0
- U13: VDD_1.0
- U14: VDD_1.0
- U15: VDD_1.0
- U16: VDD_1.0
- U17: VDD_1.0
- U18: VDD_1.0
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- U20: VDD_1.0
- U21: VDD_1.0
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- U38: VDD_1.0
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- U85: VDD_1.0
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- U88: VDD_1.0
- U89: VDD_1.0
- U90: VDD_1.0
- U91: VDD_1.0
- U92: VDD_1.0
- U93: VDD_1.0
- U94: VDD_1.0
- U95: VDD_1.0
- U96: VDD_1.0
- U97: VDD_1.0
- U98: VDD_1.0
- U99: VDD_1.0
- U100: VDD_1.0



SCHEMATIC DIAGRAMS 12

IO CONNECTOR PART

Model : RD-8504/R-774



ADV7401 PART

Place GND Pattern between Input Video Signals.

150 Ohm terminations to ADV7401

Place 33 Ohm series terminations close to ADV7401

SOY(Sync On Y):It is Sync detection.

NS:BOM Options.No Stuff.

The chip bead must be used 1608 size.

The schematic diagram illustrates the ADV7401 video processor circuit. It includes input video signals (CN_PR, CN_PB, CN_Y, V_SY, V_CVBS, V_SC) with 150 Ohm terminations and 33 Ohm series terminations. The processor is configured for SOY (Sync On Y) mode. The output section shows the ADV7401 driving the video signals (ADV_DATA G2, G3, G4, G5, G6, G7, G8, G9, B2, B3, B4, B5, B6, B7, B8, B9) through a series of resistors (R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300, R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692, R693, R694, R695, R696, R697, R698, R699, R700, R701, R702, R703, R704, R705, R706, R707, R708, R709, R710, R711, R712, R713, R714, R715, R716, R717, R718, R719, R720, R721, R722, R723, R724, R725, R726, R727, R728, R729, R730, R731, R732, R733, R734, R735, R736, R737, R738, R739, R740, R741, R742, R743, R744, R745, R746, R747, R748, R749, R750, R751, R752, R753, R754, R755, R756, R757, R758, R759, R760, R761, R762, R763, R764, R765, R766, R767, R768, R769, R770, R771, R772, R773, R774, R775, R776, R777, R778, R779, R780, R781, R782, R783, R784, R785, R786, R787, R788, R789, R790, R791, R792, R793, R794, R795, R796, R797, R798, R799, R800, R801, R802, R803, R804, R805, R806, R807, R808, R809, R810, R811, R812, R813, R814, R815, R816, R817, R818, R819, R820, R821, R822, R823, R824, R825, R826, R827, R828, R829, R830, R831, R832, R833, R834, R835, R836, R837, R838, R839, R840, R841, R842, R843, R844, R845, R846, R847, R848, R849, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R864, R865, R866, R867, R868, R869, R870, R871, R872, R873, R874, R875, R876, R877, R878, R879, R880, R881, R882

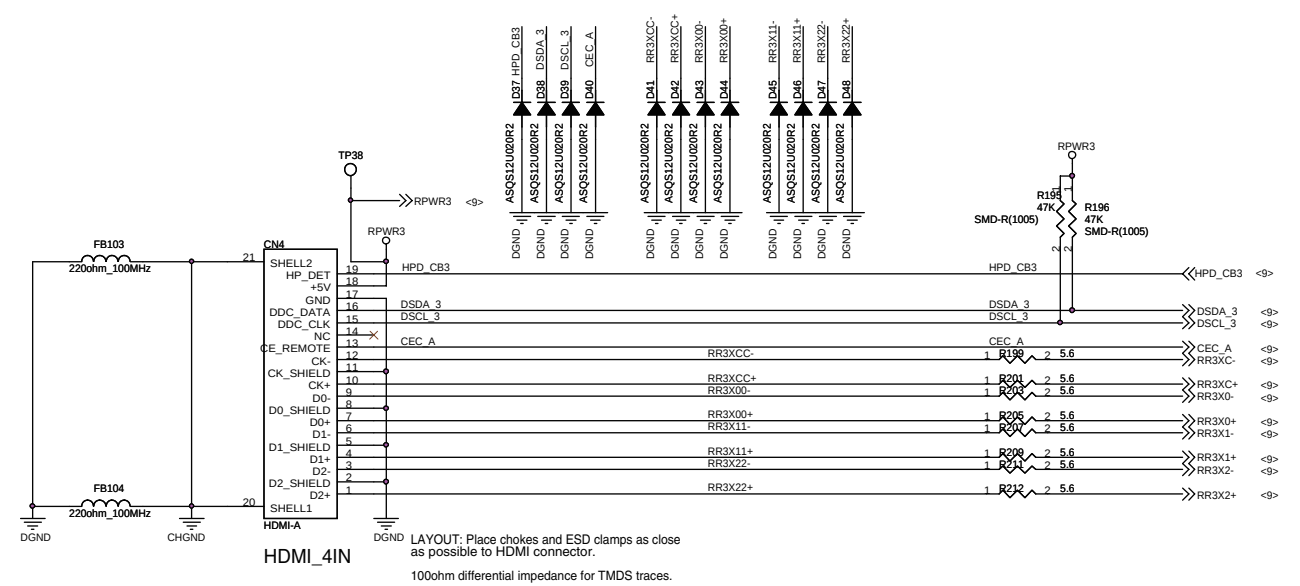
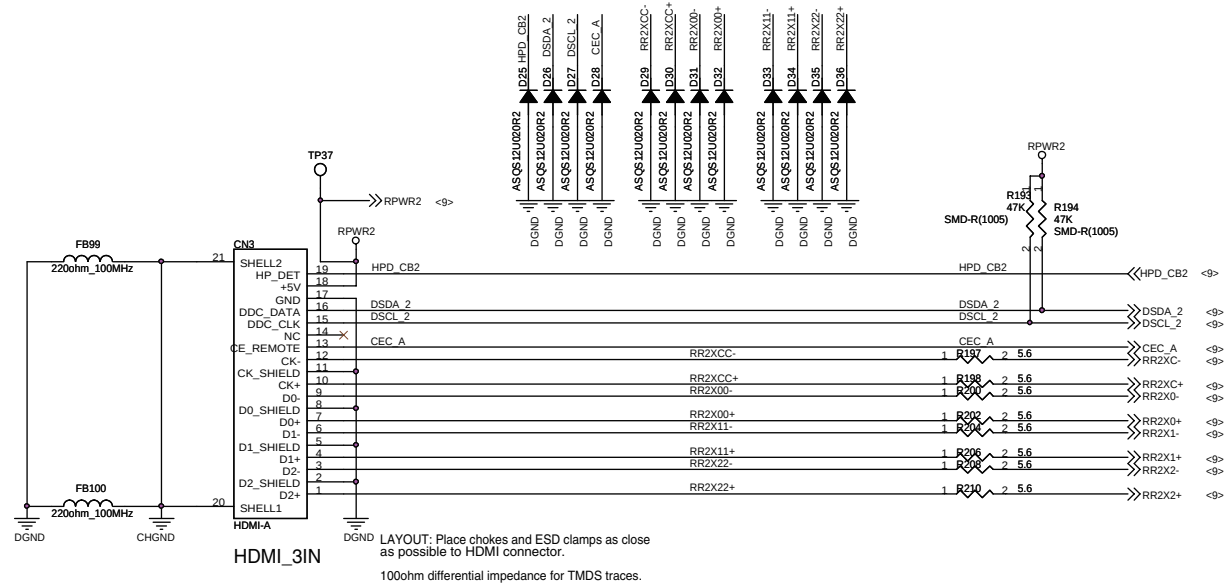
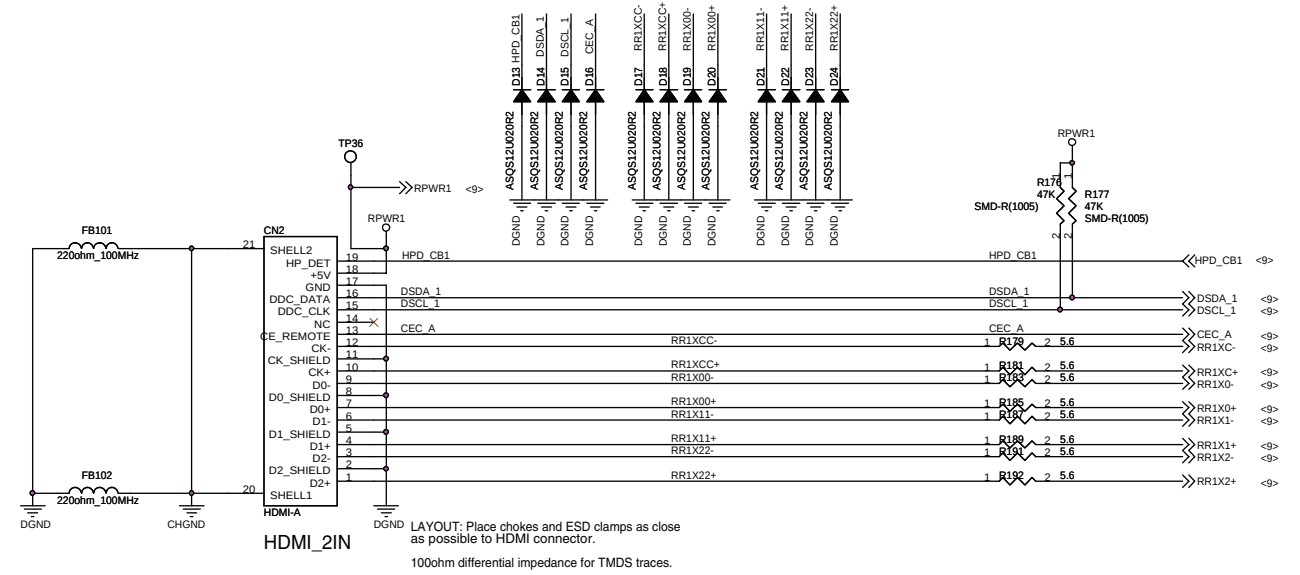
Place Test Points
close to ADV7401

Notice
ABT2010 input/output : YCbCr
SIL9233 output : CbYCr
SIL9134 input: CbYCr

The chip must be used 3216 size.

ADV7401 PART

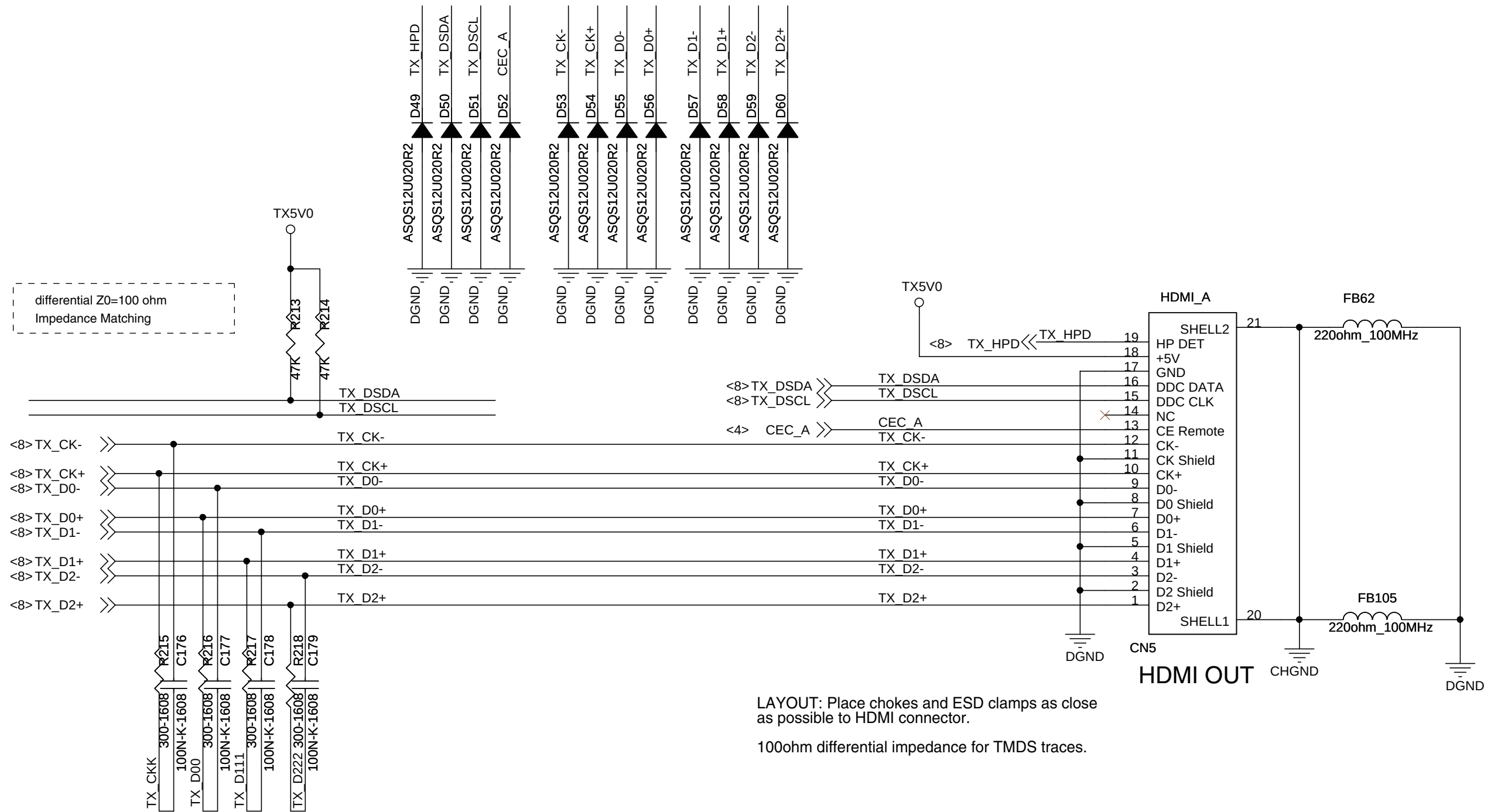
HDMI IN PART

[illegible]

SCHEMATIC DIAGRAMS 16

Model : RD-8504/R-774

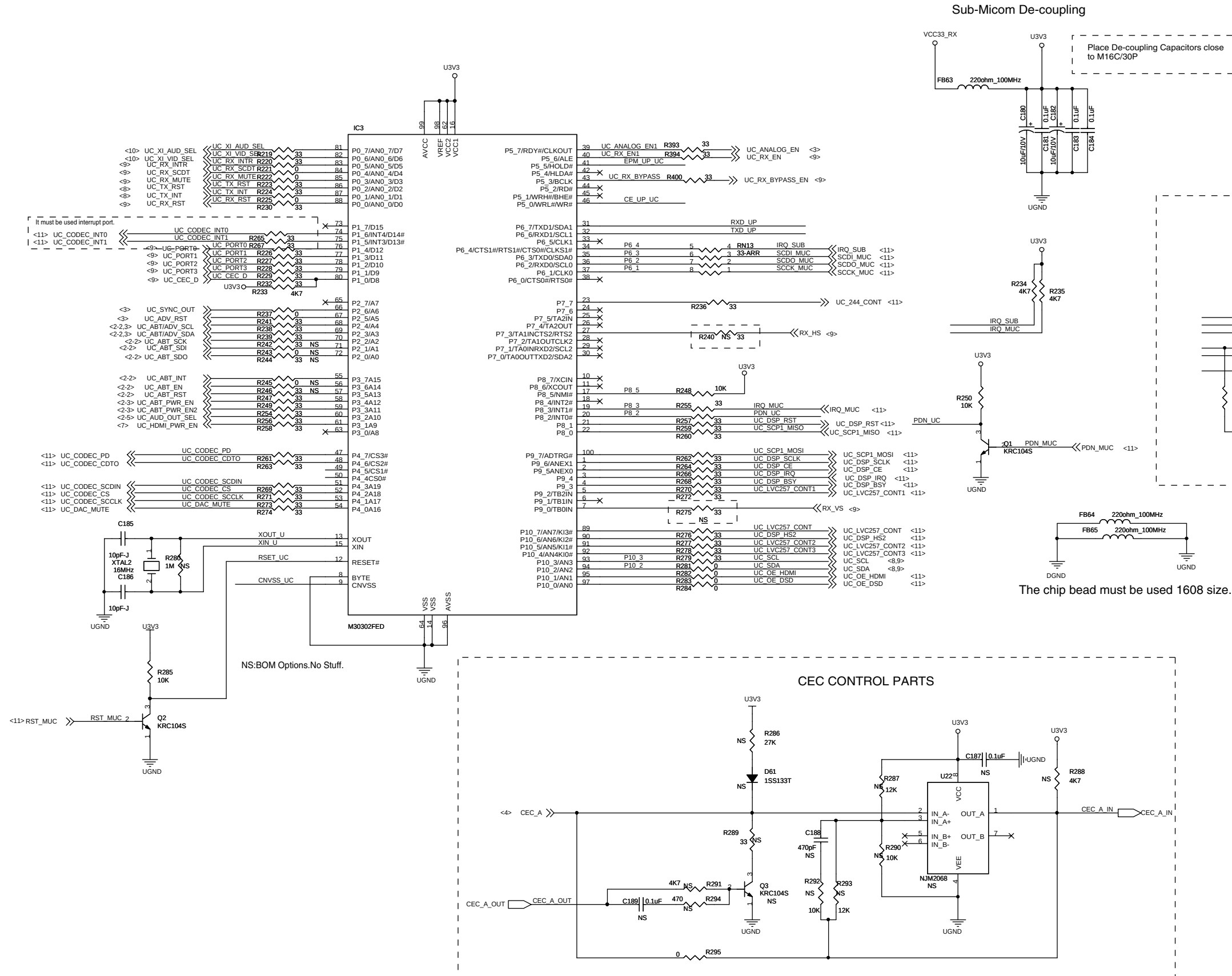
HDMI OUT PART



SCHEMATIC DIAGRAMS 17

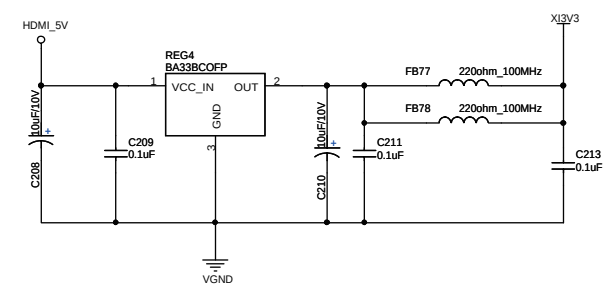
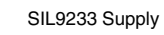
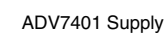
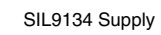
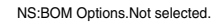
Model : RD-8504/R-774

MICOM PART



POWER SUPPLY PART

The chip bead must be used 1608 size.



SIL9134 PART

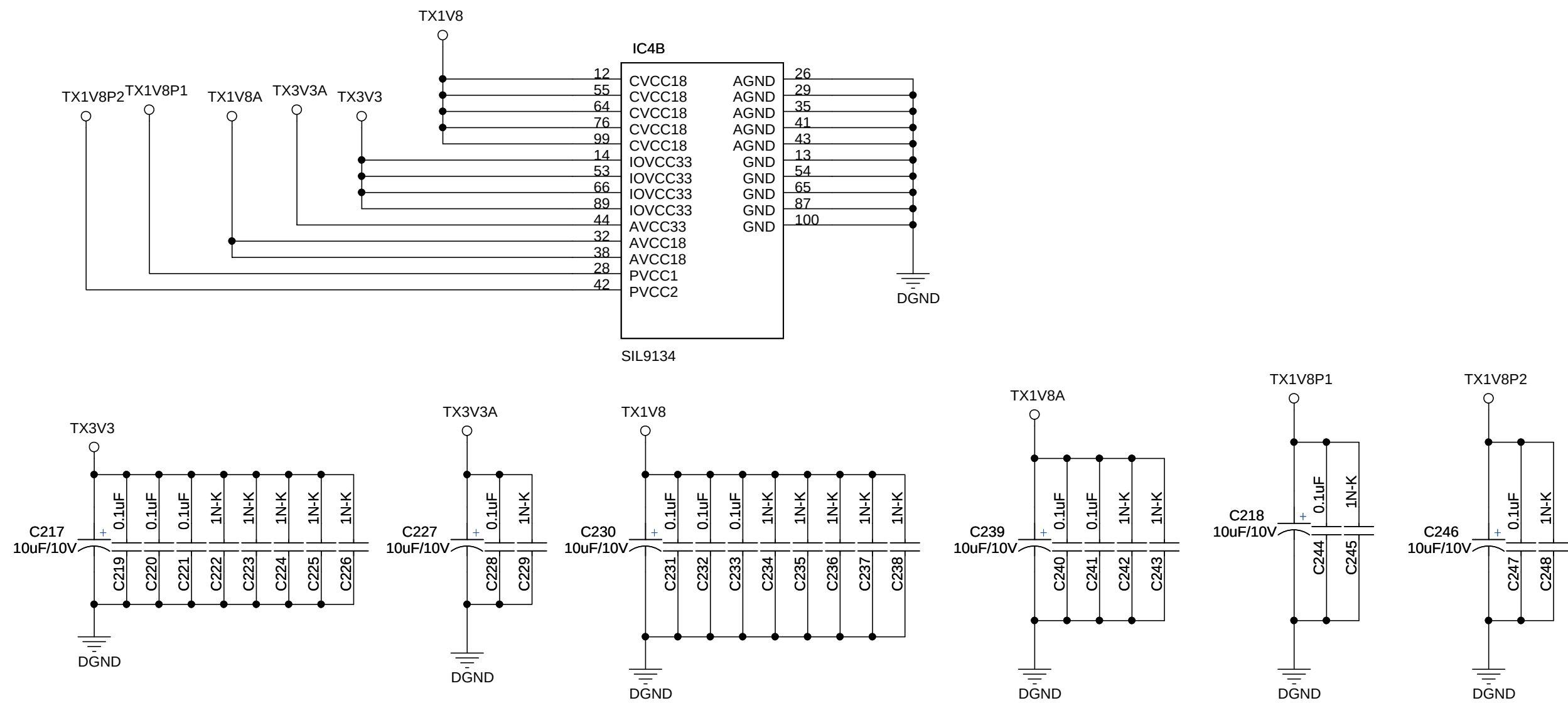
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86

SCHEMATIC DIAGRAMS 20

Model : RD-8504/R-774

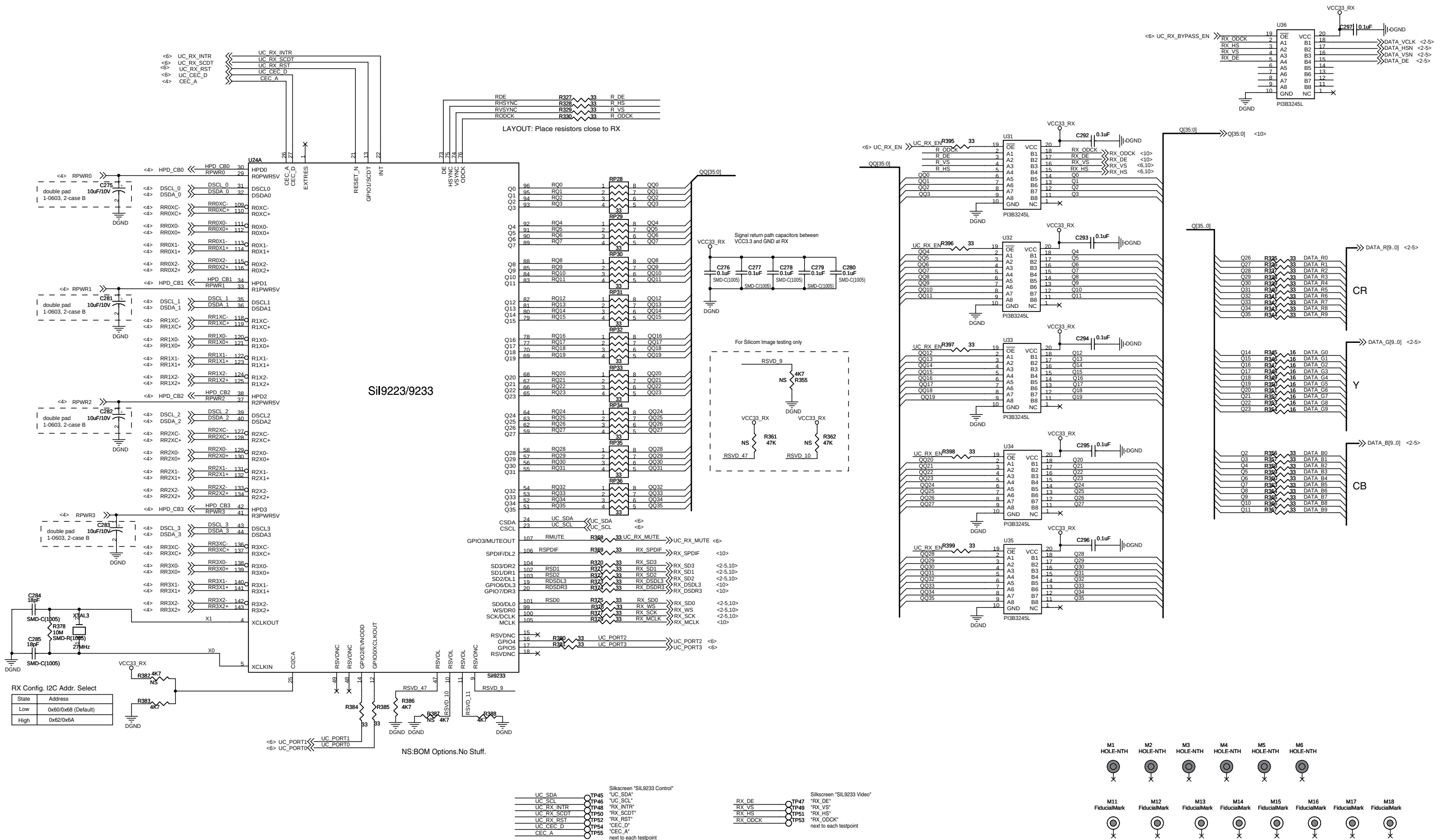
SIL9134 POWER PART



SCHEMATIC DIAGRAMS 21

SIL9233 PART

Model : RD-8504/R-774

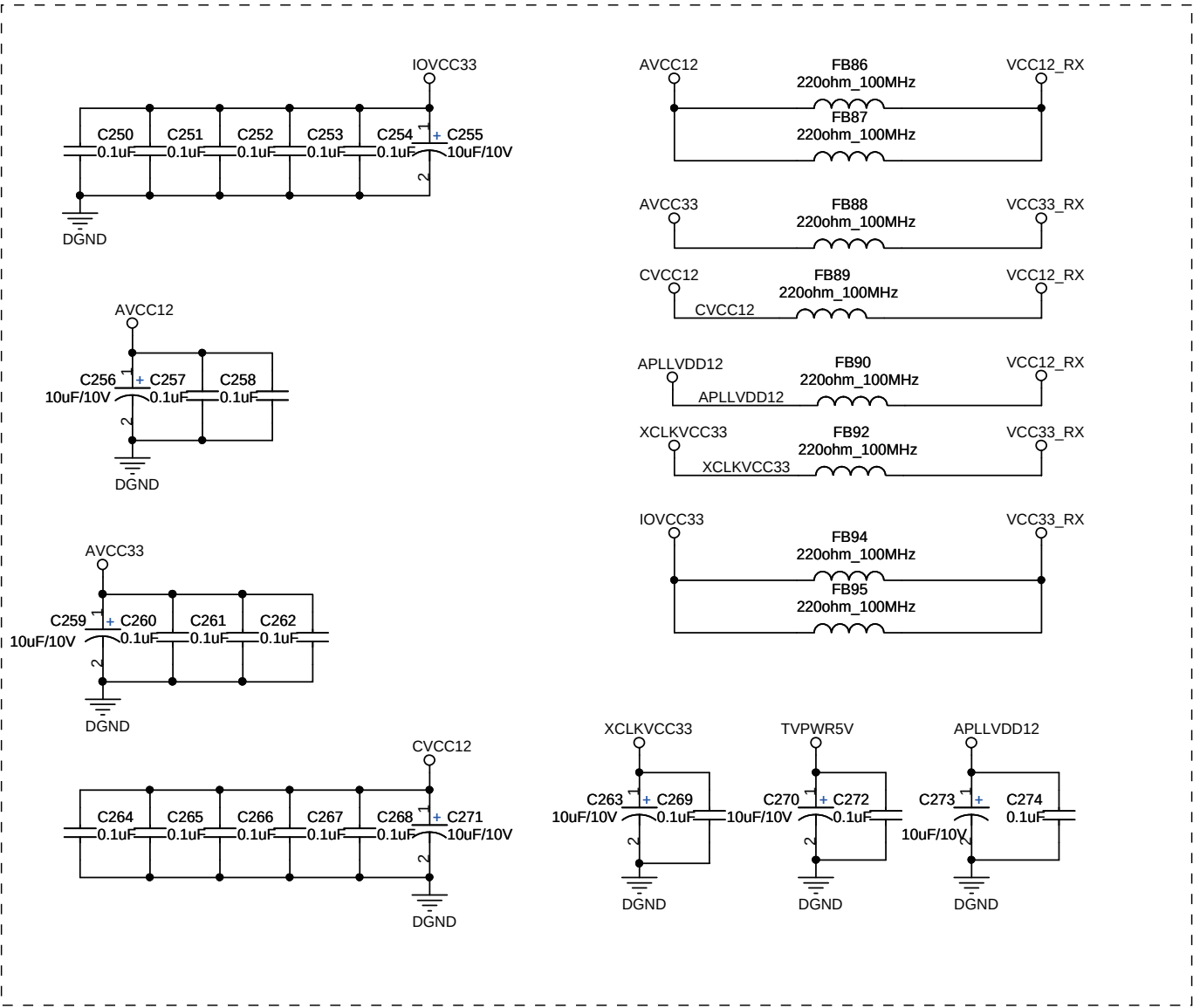
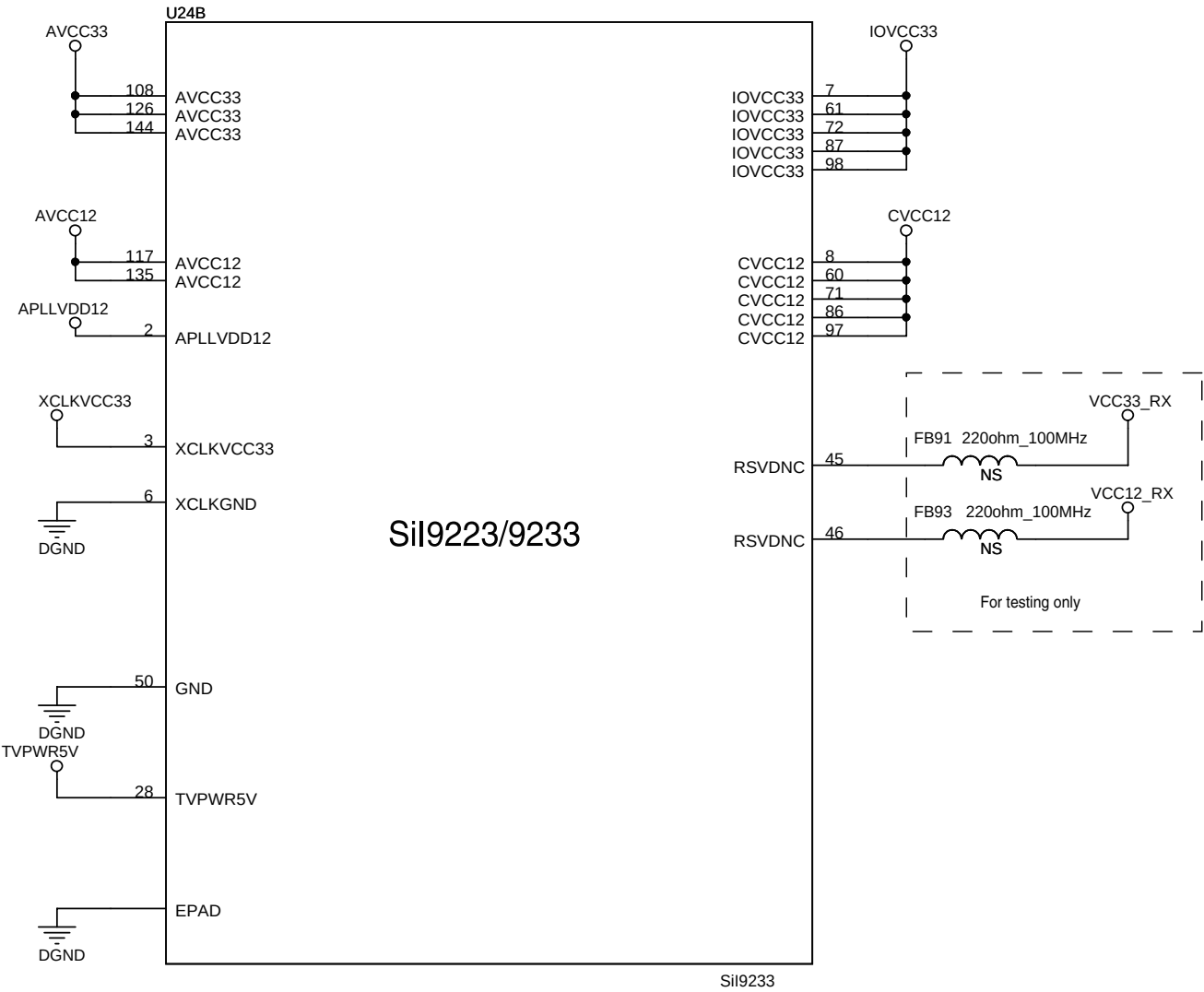


SCHEMATIC DIAGRAMS 22

Model : RD-8504/R-774

SIL9233 POWER PART

The chip bead must be used 1608 size.



SCHEMATIC DIAGRAMS 23

Model : RD-8504/R-774

CPLD PIN MAP

Video Input A

IDAT35	Video INA39
IDAT34	Video INA38
IDAT33	Video INA37
IDAT32	Video INA36
IDAT31	Video INA35
IDAT30	Video INA34
IDAT29	Video INA33
IDAT28	Video INA32
IDAT27	Video INA31
IDAT26	Video INA30
IDAT25	Video INA29
IDAT24	Video INA28
IDAT23	Video INA27
IDAT22	Video INA26
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IDAT8	Video INA12
IDAT7	Video INA11
IDAT6	Video INA10
IDAT5	Video INA9
IDAT4	Video INA8
IDAT3	Video INA7
IDAT2	Video INA6
IDAT1	Video INA5
IDAT0	Video INA4
DE RX	Video INA3
VSYNC RX	Video INA2
HSYNC RX	Video INA1
ODCK RX	Video INA0

Audio Input A

RX SPDIF	Audio INA9
RX SD3	Audio INA8
RX SD2	Audio INA7
RX SD1	Audio INA6
RX SD0	Audio INA5
RX DSDL3	Audio INA4
RX DSDR3	Audio INA3
RX VS	Audio INA2
RX SCK	Audio INA1
RX MCLK	Audio INA0

Video Input B

ABT2010_OUT1_CR11	Video INB39
ABT2010_OUT1_CR10	Video INB38
ABT2010_OUT1_CR9	Video INB37
ABT2010_OUT1_CR8	Video INB36
ABT2010_OUT1_CR7	Video INB35
ABT2010_OUT1_CR6	Video INB34
ABT2010_OUT1_CR5	Video INB33
ABT2010_OUT1_CR4	Video INB32
ABT2010_OUT1_CR3	Video INB31
ABT2010_OUT1_CR2	Video INB30
ABT2010_OUT1_CR1	Video INB29
ABT2010_OUT1_CR0	Video INB28
ABT2010_OUT1_CB11	Video INB27
ABT2010_OUT1_CB10	Video INB26
ABT2010_OUT1_CB9	Video INB25
ABT2010_OUT1_CB8	Video INB24
ABT2010_OUT1_CB7	Video INB23
ABT2010_OUT1_CB6	Video INB22
ABT2010_OUT1_CB5	Video INB21
ABT2010_OUT1_CB4	Video INB20
ABT2010_OUT1_CB3	Video INB19
ABT2010_OUT1_CB2	Video INB18
ABT2010_OUT1_CB1	Video INB17
ABT2010_OUT1_CB0	Video INB16
ABT2010_OUT1_Y11	Video INB15
ABT2010_OUT1_Y10	Video INB14
ABT2010_OUT1_Y9	Video INB13
ABT2010_OUT1_Y8	Video INB12
ABT2010_OUT1_Y7	Video INB11
ABT2010_OUT1_Y6	Video INB10
ABT2010_OUT1_Y5	Video INB9
ABT2010_OUT1_Y4	Video INB8
ABT2010_OUT1_Y3	Video INB7
ABT2010_OUT1_Y2	Video INB6
ABT2010_OUT1_Y1	Video INB5
ABT2010_OUT1_Y0	Video INB4

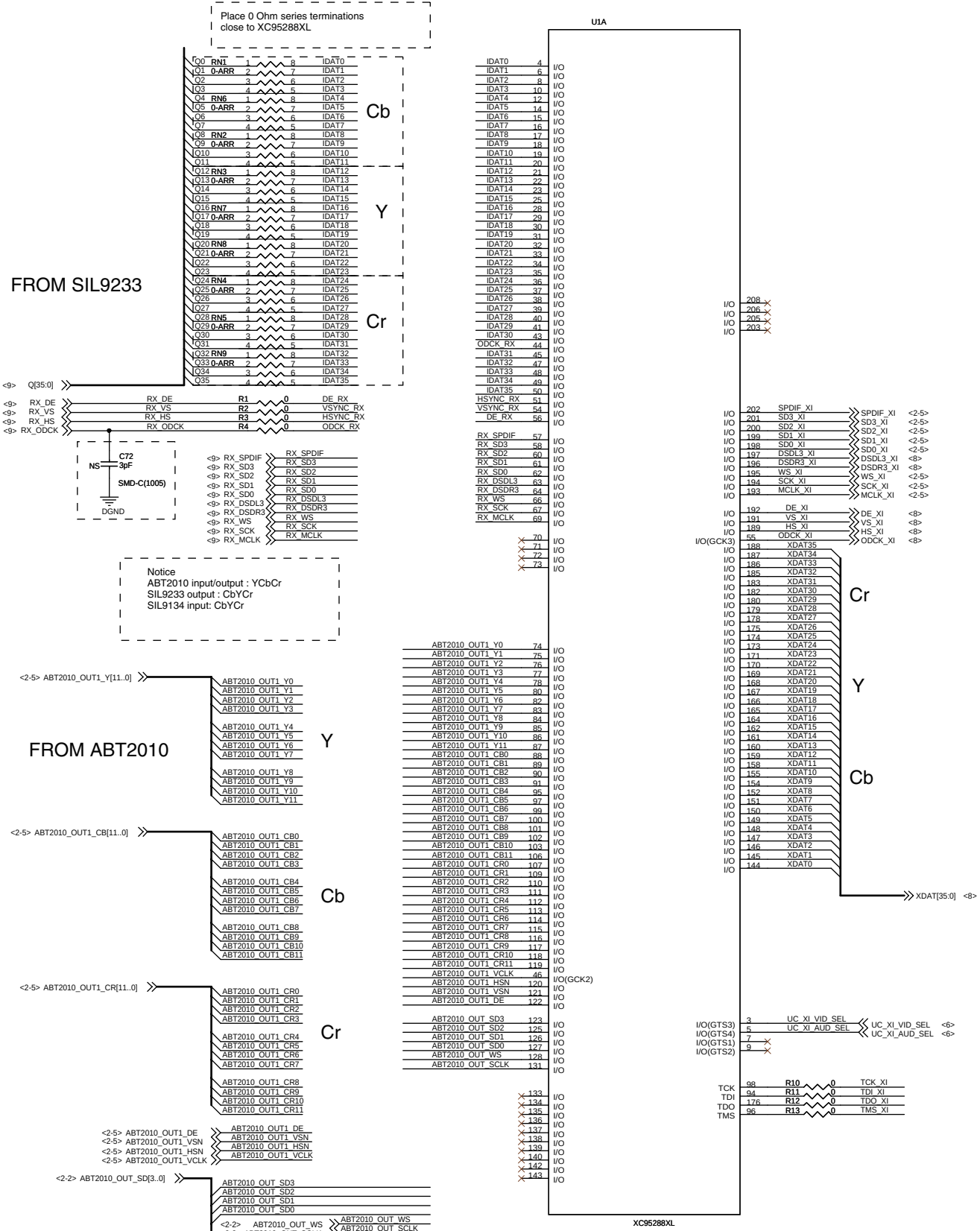
Video Output

Video Out39	XDAT35
Video Out38	XDAT34
Video Out37	XDAT33
Video Out36	XDAT32
Video Out35	XDAT31
Video Out34	XDAT30
Video Out33	XDAT29
Video Out32	XDAT28
Video Out31	XDAT27
Video Out30	XDAT26
Video Out29	XDAT25
Video Out28	XDAT24
Video Out27	XDAT23
Video Out26	XDAT22
Video Out25	XDAT21
Video Out24	XDAT20
Video Out23	XDAT19
Video Out22	XDAT18
Video Out21	XDAT17
Video Out20	XDAT16
Video Out19	XDAT15
Video Out18	XDAT14
Video Out17	XDAT13
Video Out16	XDAT12
Video Out15	XDAT11
Video Out14	XDAT10
Video Out13	XDAT9
Video Out12	XDAT8
Video Out11	XDAT7
Video Out10	XDAT6
Video Out9	XDAT5
Video Out8	XDAT4
Video Out7	XDAT3
Video Out6	XDAT2
Video Out5	XDAT1
Video Out4	XDAT0
Video Out3	DE_XI
Video Out2	VS_XI
Video Out1	HS_XI
Video Out0	ODCK_XI

Audio Output

SPDIF_XI	Audio Out9
SD3_XI	Audio Out8
SD2_XI	Audio Out7
SD1_XI	Audio Out6
SD0_XI	Audio Out5
DSDL3_XI	Audio Out4
DSDR3_XI	Audio Out3
VS_XI	Audio Out2
SCK_XI	Audio Out1
MCLK_XI	Audio Out0

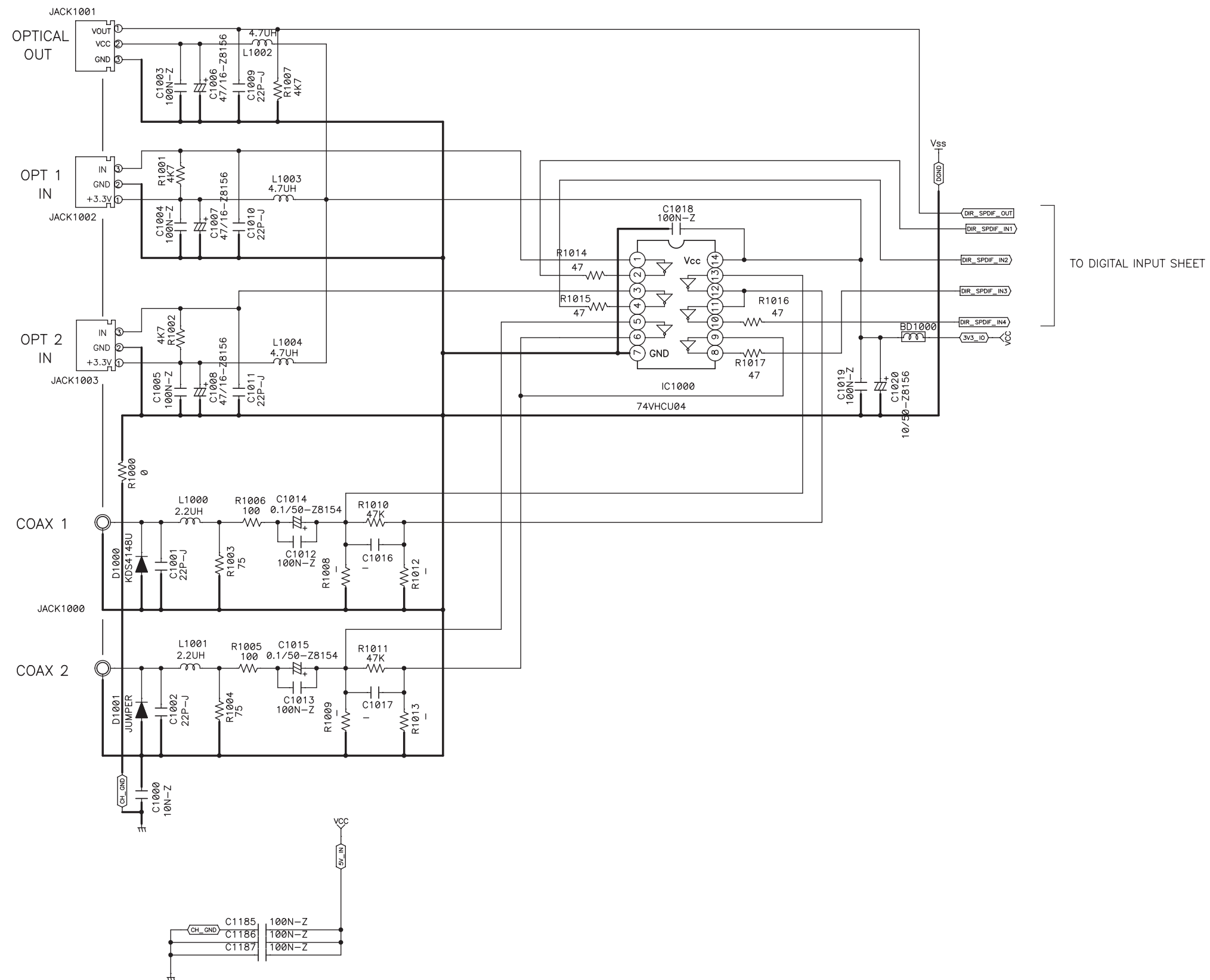
VIDEO CPLD(XC95288XL-10) PART



SCHEMATIC DIAGRAMS 24

Model : RD-8504/R-774

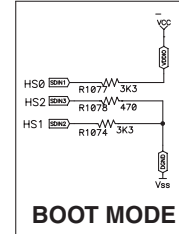
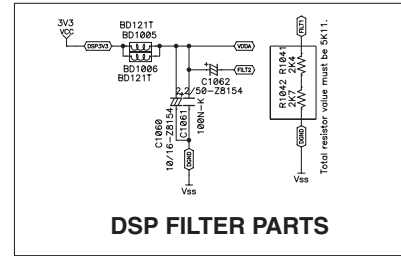
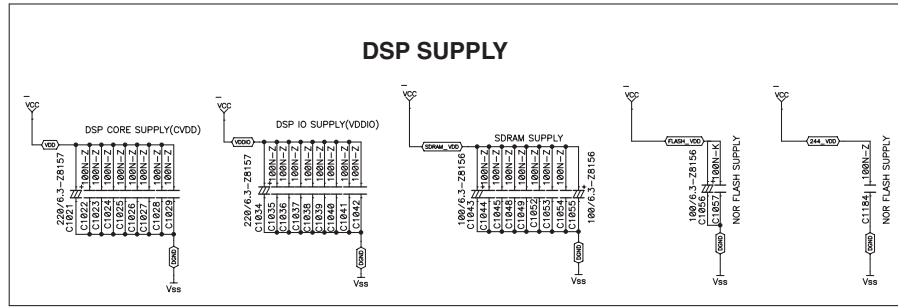
DIGITAL INPUT SHEET



SCHEMATIC DIAGRAMS 25

Model : RD-8504/R-774

DSP CS497004 SHEET

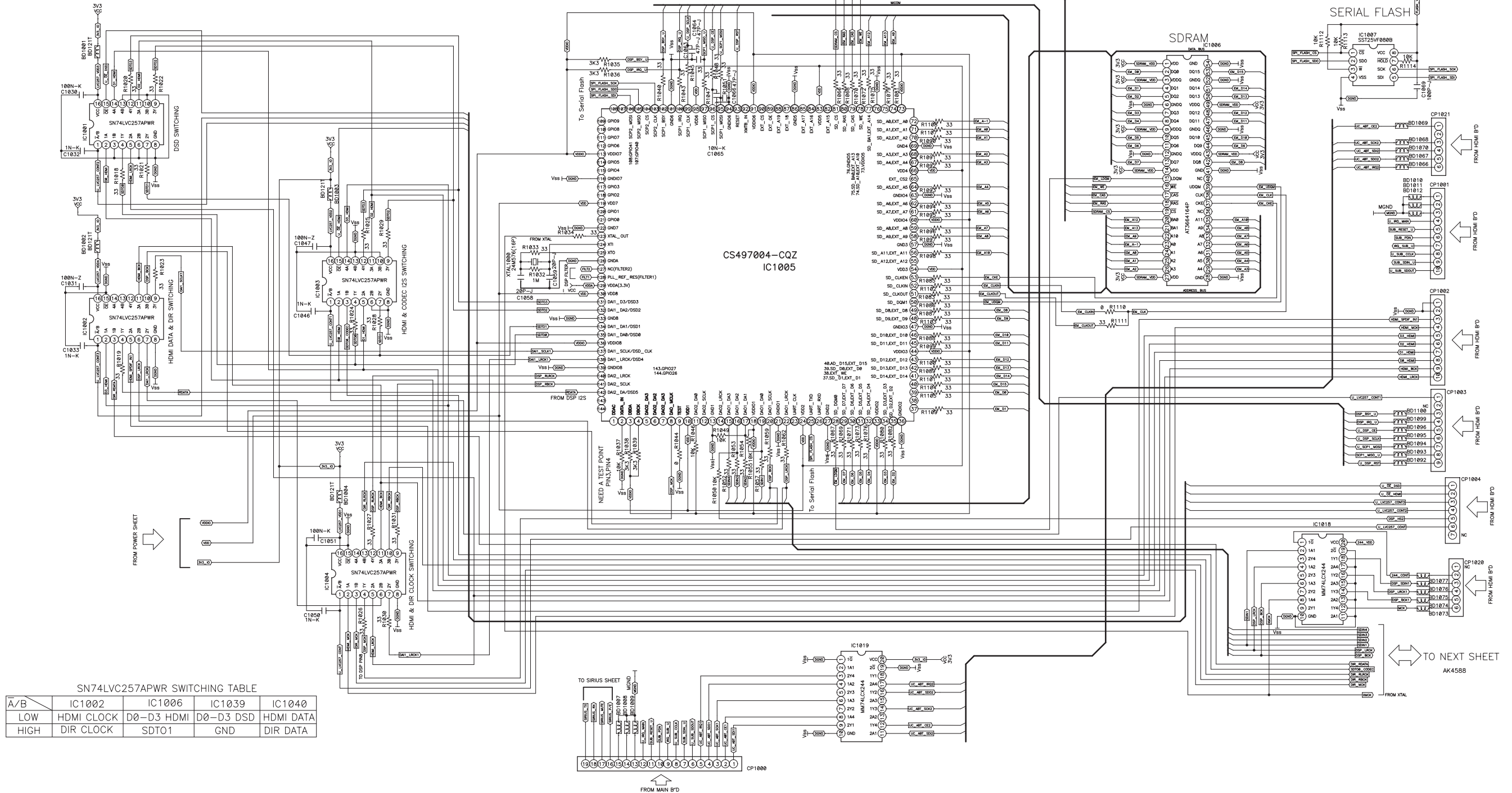


*Power supply current
Core and I/O operating:VDD-->500mA
PLL:VDDA -->10mA
External memory most ports:VDDIO -->120mA

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	SDT01	GND	DIR DATA

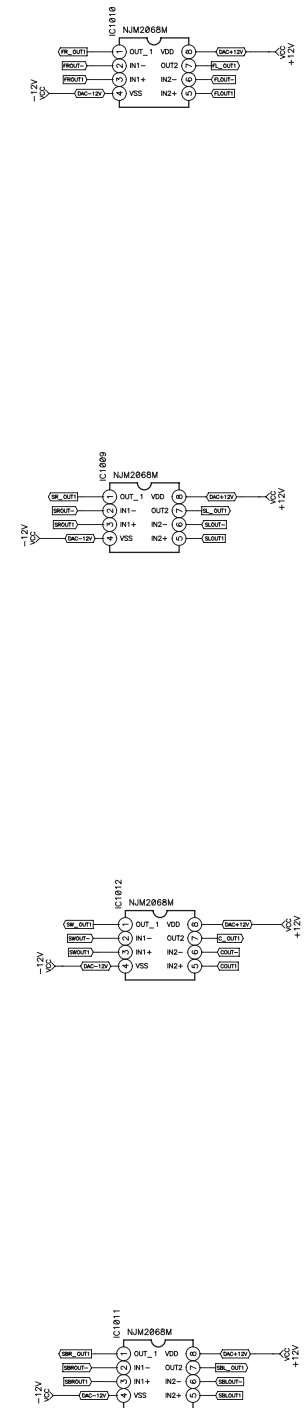
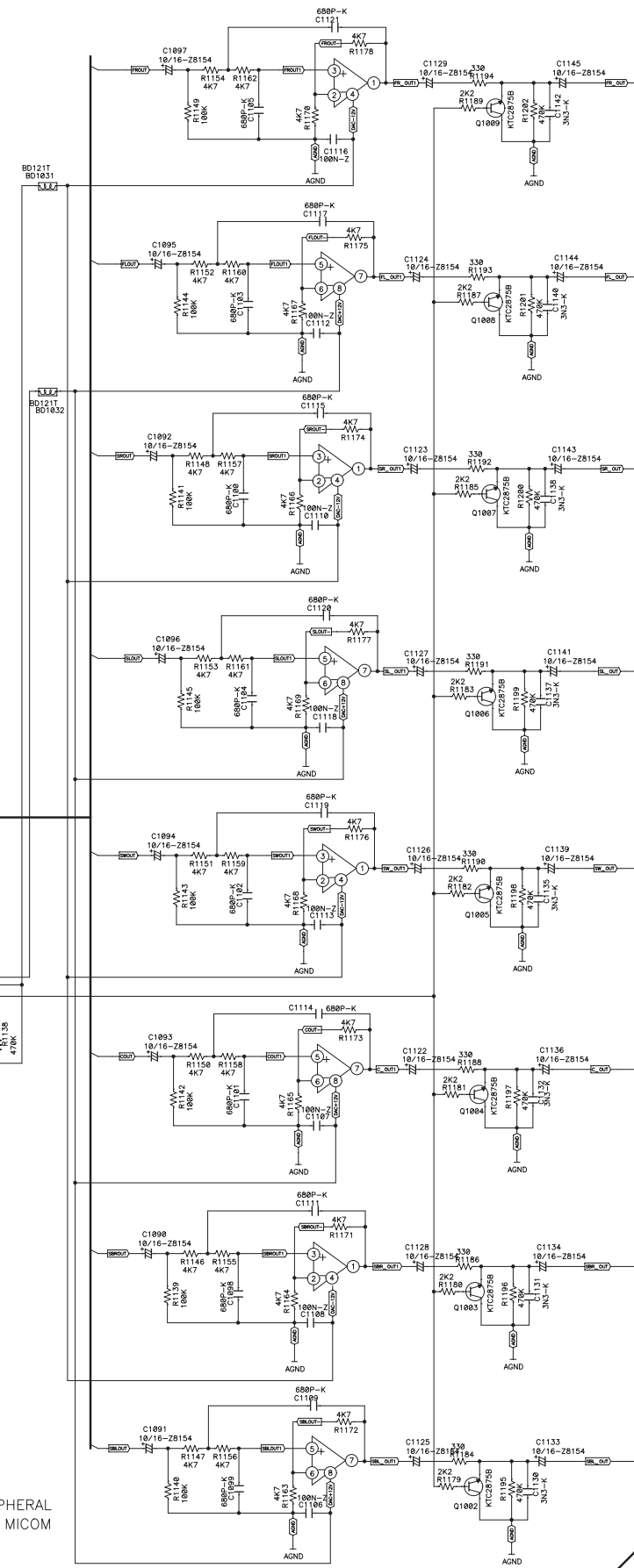
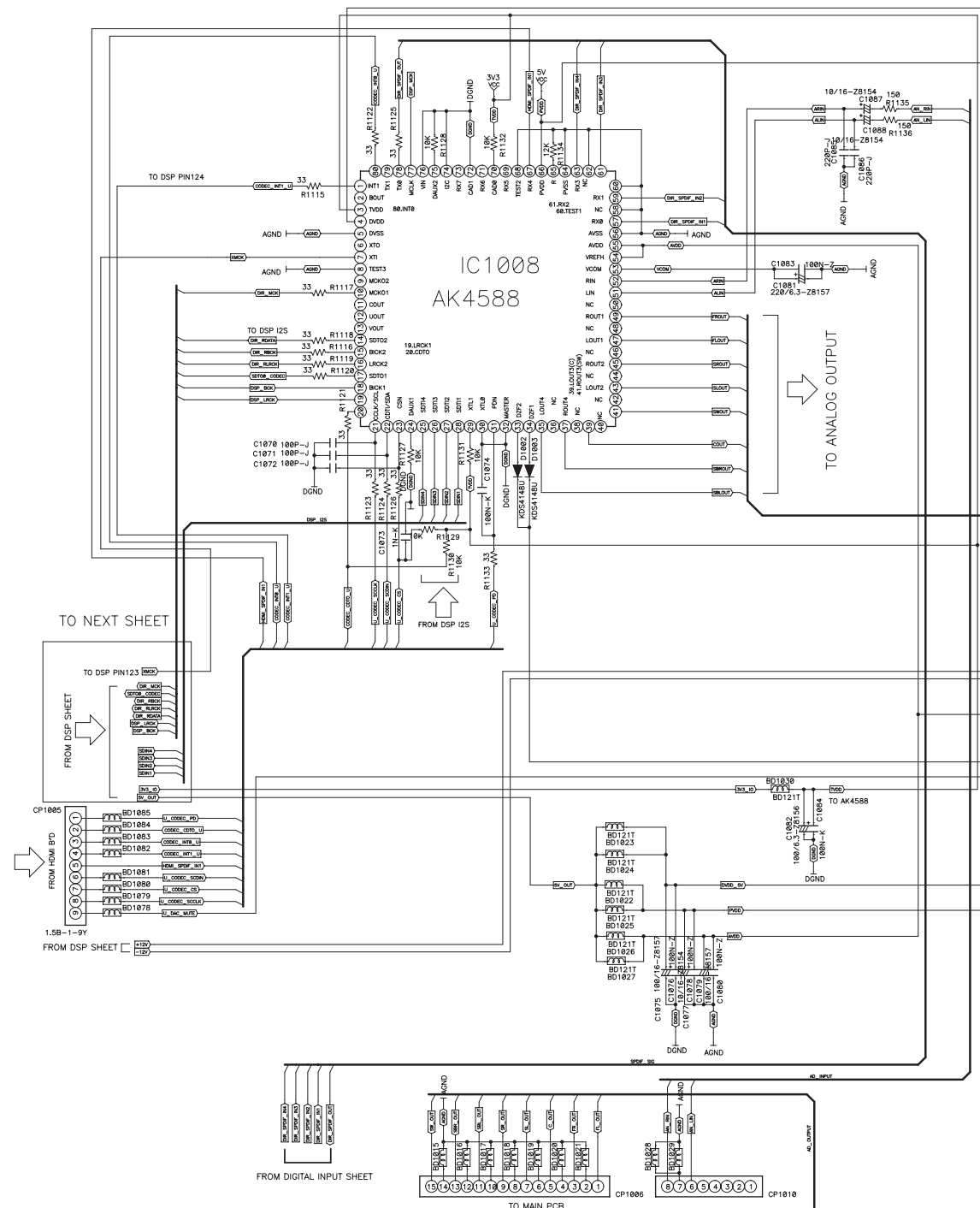
SCHEMATIC DIAGRAMS 26

DIR WITH CODEC SHEET

Model : RD-8504/R-774

XTL1(PIN29)	XTL0(PIN30)	XTAL FREQ
0	0	11.2896MHZ
0	1	12.288MHZ
1	0	24.576MHZ
1	1	USE CHANNEL STATUS

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

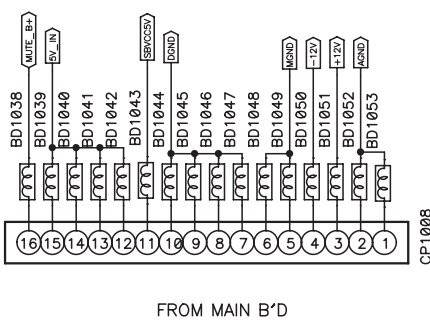
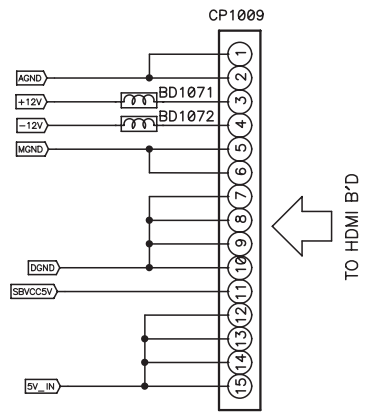
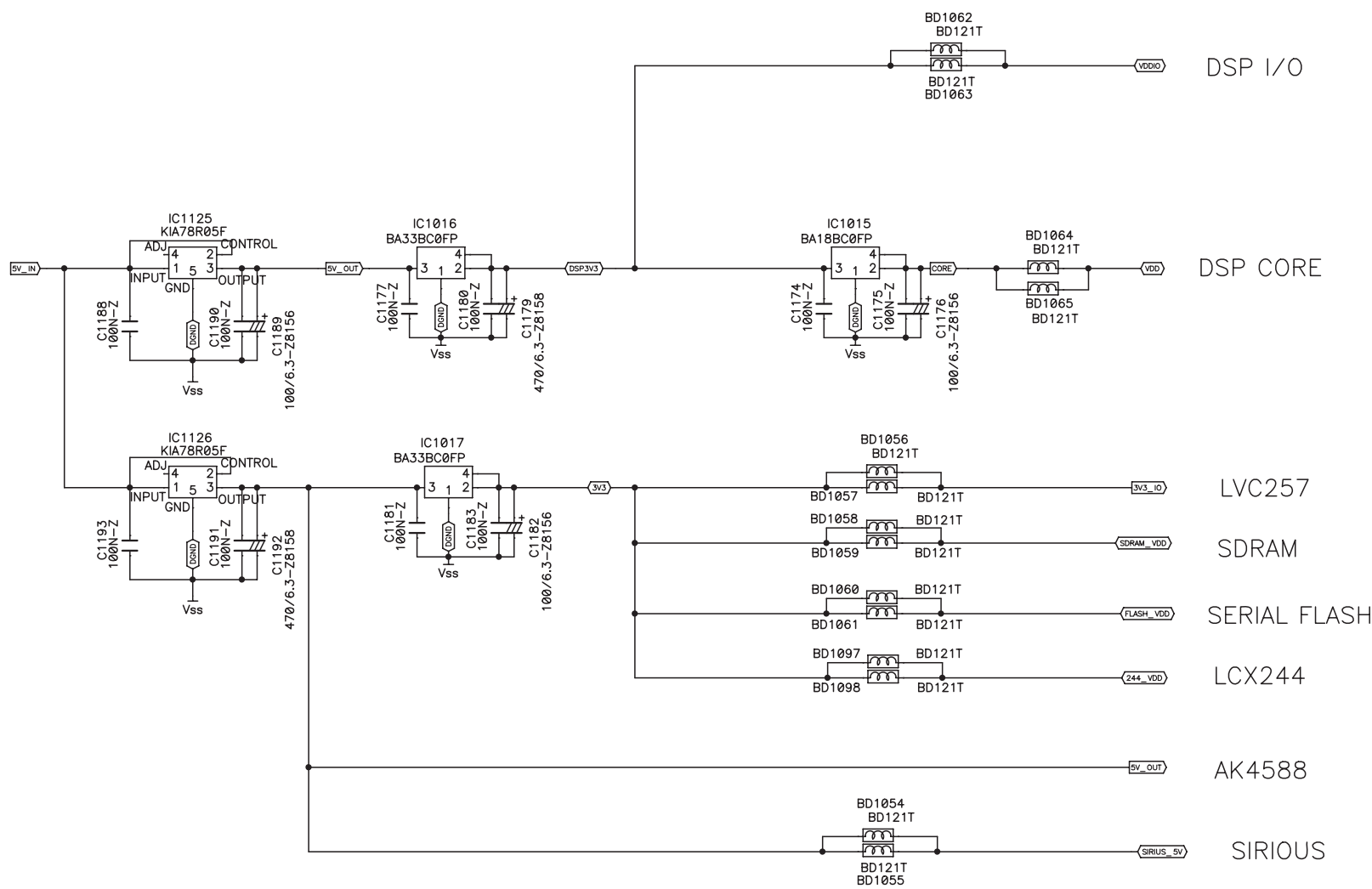


SIRIUS SHEET

SCHEMATIC DIAGRAMS 28

Model : RD-8504/R-774

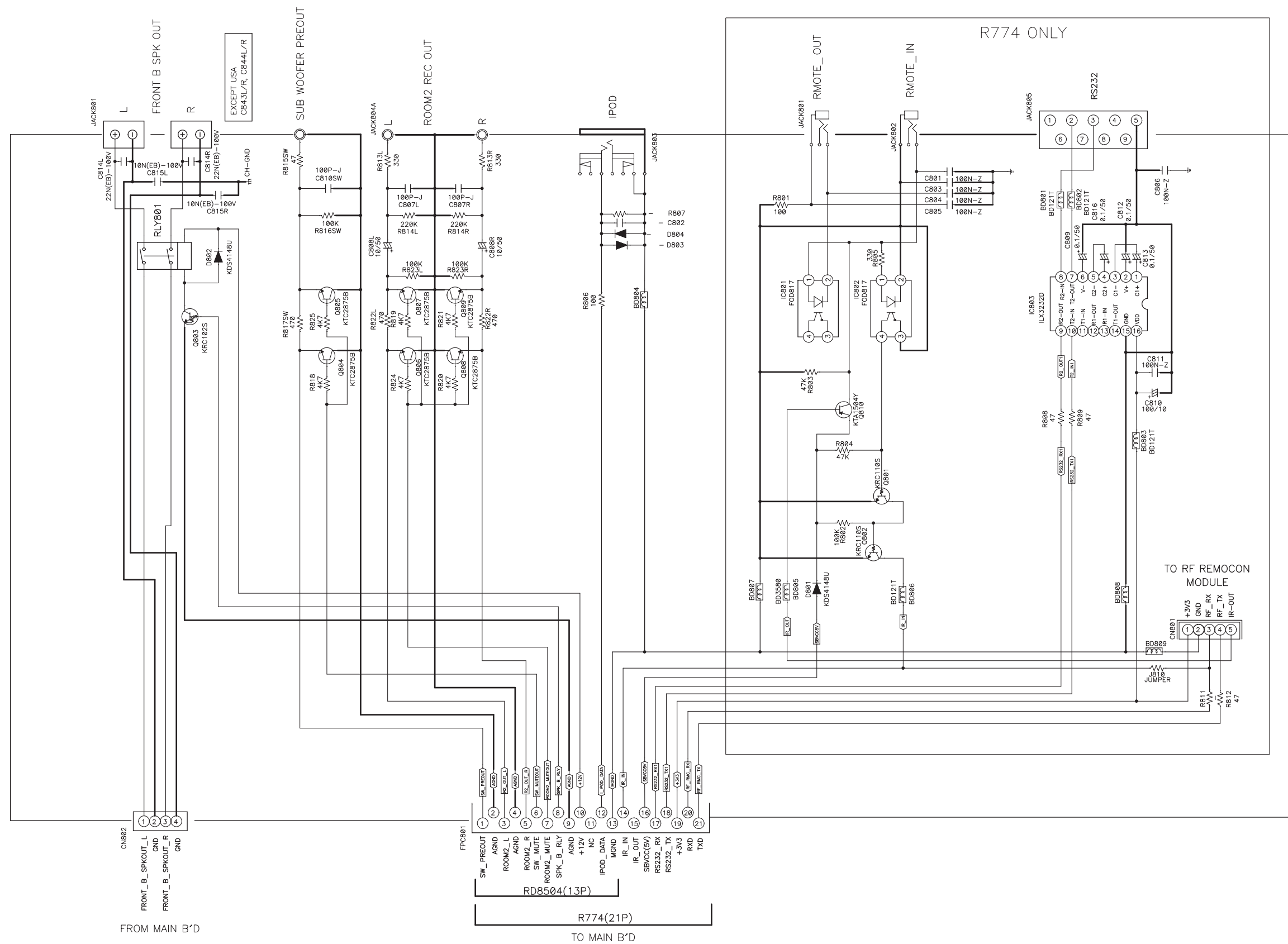
POWER SHEET



SCHEMATIC DIAGRAMS 29

Model : RD-8504/R-774

SPEAKER



SCHEMATIC DIAGRAMS 30

Model : RD-8504/R-774

BLUETOOTH

Bluetooth Dongle

