



# COLOR TELEVISION

Chassis: KSCA(N)\_Manaslu 2

Model : CL21Z43ML4XXAO

## ***SERVICE*** Manual

### COLOR TELEVISION



CL-21Z43ML

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Refer to the service manual in the GSPN (see the rear cover) for the more information.



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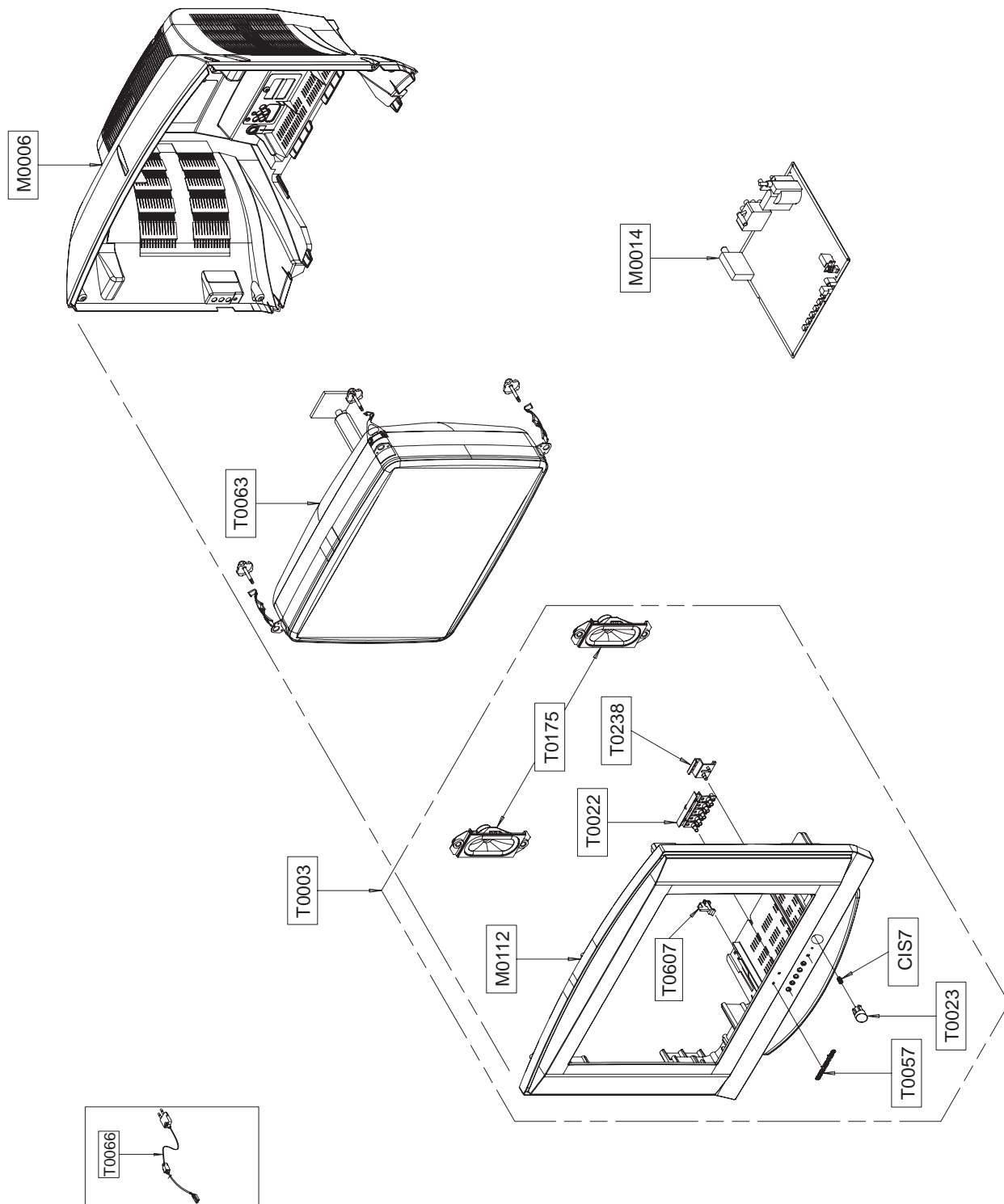
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## 5. Exploded View & Part List

### 5-1 CL21Z43ML4XXAO Exploded View



Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
CIS7	AA61-60003J	SPRING ETC-CS	-,SUS304,-,-,OD6,N7,OD6,-,	1	S.N.A	
M0006	AA63-01565B	COVER-REAR	21Z43,HIPS,HB,BK500,K16B	1	S.A	
M0014	AA96-05400A	ASSY PCB P-MAIN	CL21Z43ML4X,KSCA,XAO	1	S.A	△
M0112	AA63-01559C	COVER-FRONT	21Z43,HIPS,HB,GE503,BKN1576+	1	S.N.A	
T0003	AA96-04962A	ASSY COVER P-FRONT	21Z43, LATION-AME,,HI	1	S.A	
T0022	AA64-04327A	KNOB CONTROL	29Z40,SEH,ABS,-,-,-,HB,GR51	1	S.N.A	
T0023	AA64-04334A	KNOB POWER	21Z40,ABS,HB,GR515,SVM3012	1	S.N.A	
T0057	AA64-70123A	BADGE-BRAND	NEW,AL,L50,FLAT,SILVER,SAMSU	1	S.N.A	
T0063	AA03-00551A	CRT COLOR	A51QGV 991X301,0mG,0.915,14.0,	1	S.A	△
T0066	AA96-20109C	ASSY POWER CORD	-,CP2/NO(4.0),H/C300,EU,	1	S.A	△
T0175	AA96-04766A	ASSY SPEAKER P	8ohm,10W,R/B700mm,Y/B500m	1	S.A	
T0238	AA64-04340A	WINDOW REMOCON-LED	Z40(SEH,TSE),PC,CLEAR	1	S.N.A	
T0607	AA61-40113A	STOPPER-PCB	501H,HIPS,-,-,-,HB,NTR,-	1	S.N.A	

## 5-2 CL21Z43ML4XXAO Electrical Part List

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
<b>ASSY CHASSIS</b>						
M0017	AA91-11333B	ASSY CHASSIS	CL21Z43ML4XRCL	1	S.N.A	
M0014	AA96-05400A	ASSY PCB P-MAIN	CL21Z43ML4X,KSCA,XAO	1	S.A	
C	2401-002128	C-AL	220uF,20%,400V,GP,BK,25x40mm,10	1	S.A	
C	2401-000025	C-AL	100uF,20%,16V,GP,TP,6.3x11,5	1	S.A	
C	2401-000302	C-AL	100uF,20%,25V,GP,TP,6.3x11,5	1	S.A	
C	2401-000302	C-AL	100uF,20%,25V,GP,TP,6.3x11,5	1	S.A	
C	2401-000360	C-AL	100uF,20%,50V,GP,TP,8x11.5,5	1	S.A	
C	2401-000360	C-AL	100uF,20%,50V,GP,TP,8x11.5,5	1	S.A	
C	2401-000430	C-AL	10uF,20%,250V,GP,TP,10x16mm,5m	1	S.A	
C	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000480	C-AL	10uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000493	C-AL	10uF,20%,50V,LZ,TP,5x11mm,5mm	1	S.A	
C	2401-000553	C-AL	1uF,10%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000620	C-AL	2.2uF,10%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000620	C-AL	2.2uF,10%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000660	C-AL	2.2uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-000698	C-AL	2200uF,20%,16V,WT,TP,12.5x25,5	1	S.A	
C	2401-000913	C-AL	22uF,20%,16V,GP,TP,5x11,5	1	S.A	
C	2401-000962	C-AL	22uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-001101	C-AL	330uF,20%,16V,GP,TP,8x11.5,5	1	S.A	
C	2401-001101	C-AL	330uF,20%,16V,GP,TP,8x11.5,5	1	S.A	
C	2401-001397	C-AL	470uF,20%,25V,GP,TP,10x16,5	1	S.A	
C	2401-001397	C-AL	470uF,20%,25V,GP,TP,10x16,5	1	S.A	
C	2401-001513	C-AL	47uF,20%,16V,WT,TP,5x11,5	1	S.A	
C	2401-001998	C-AL	1000uF,20%,25V,GP,TP,10x20,5mm	1	S.A	
C	2401-001998	C-AL	1000uF,20%,25V,GP,TP,10x20,5mm	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002009	C-AL	100uF,20%,16V,GP,TP,6.3x7,5	1	S.A	
C	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	S.A	
C	2401-002268	C-AL	2.2uF,20%,250V,LZ,TP,8x11,5	1	S.A	
C	2401-002463	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	1	S.A	
C	2401-002619	C-AL	47uF,20%,25V,GP,TP,5x11,5	1	S.A	
C	2401-003019	C-AL	470uF,20%,6.3V,GP,TP,6.3x11mm,5mm	1	S.A	
C	2401-003019	C-AL	470uF,20%,6.3V,GP,TP,6.3x11mm,5mm	1	S.A	
C	2401-003046	C-AL	47uF,20%,50V,WT,TP,6.3x11,2.5	1	S.A	
C	2401-000262	C-AL	100uF,20%,160V,HR,TP,16x25,7.5	1	S.A	
C	2401-000262	C-AL	100uF,20%,160V,HR,TP,16x25,7.5	1	S.A	
C	2401-000430	C-AL	10uF,20%,250V,GP,TP,10x16mm,5m	1	S.A	
C103	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C111	2202-000127	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,25V,Y5V	1	S.A	
C301	2301-000342	C-FILM,LEAD-PEF	2.2nF,5%,50V,TP,7.4x3.9x	1	S.A	
C302	2201-000192	C-CERAMIC,DISC	0.01nF,0.25pF,500V,C0G,-	1	S.A	
C305	2305-000285	C-FILM,LEAD-PEF	220NF,5%,100V,TP,10.5X5.	1	S.A	
C306	2201-000003	C-CERAMIC,DISC	0.068NF,10%,2KV,SL,TP,7X5	1	S.A	
C401	2301-000383	C-FILM,LEAD-PEF	10nF,5%,50V,TP,6x7x3.2mm	1	S.A	
C403	2201-000599	C-CERAMIC,DISC	0.56NF,10%,500V,Y5P,TP,5.	1	S.A	
C406	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C414A	2301-000020	C-FILM,LEAD-PEF	27nF,5%,100V,TP,7.3x4x12	1	S.A	
C415	2301-001259	C-FILM,LEAD-PPF	100nF,5%,400V,TP,19x8x16	1	S.A	
C424	2201-000132	C-CERAMIC,DISC	0.1NF,10%,500V,Y5P,TP,6.5	1	S.A	
C499	2305-000237	C-FILM,LEAD-PEF	1uF,5%,63V,TP,7.5x15.5mm	1	S.A	
C502	2301-000213	C-FILM,LEAD-PEF	220nF,5%,250V,TP,21.5x11	1	S.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
C503	2201-000723	C-CERAMIC,DISC	4.7NF,20%,3KV,Y5U,TP,16X5	1	S.A	
C505	2202-000796	C-CERAMIC,MLC-AXIAL	1nF,10%,50V,Y5P,-,2x	1	S.A	
C602	2305-001037	C-FILM,LEAD-PEF	330nF,5%,63V,TP,7.5x5.5x	1	S.A	
C603	2305-001037	C-FILM,LEAD-PEF	330nF,5%,63V,TP,7.5x5.5x	1	S.A	
C605	2301-000342	C-FILM,LEAD-PEF	2.2nF,5%,50V,TP,7.4x3.9x	1	S.A	
C606	2301-000342	C-FILM,LEAD-PEF	2.2nF,5%,50V,TP,7.4x3.9x	1	S.A	
C611	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C612	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C613	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C614	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C803A	2305-000665	C-FILM,LEAD-PEF	100nF,5%,63V,TP,7.5x4.0x	1	S.A	
C804A	2301-000016	C-FILM,LEAD-PEF	22nF,5%,100V,TP,7.2x4.5x	1	S.A	
C805	2301-000204	C-FILM,LEAD-PEF	2.7nF,5%,50V,TP,7.4x3.9x	1	S.A	
C806	2301-001435	C-FILM,LEAD-PPF	1.5nF,5%,1.2kV,TP,15x8x1	1	S.A	
C810	2301-000192	C-FILM,LEAD-PEF	1nF,5%,50V,TP,5.3x10mm,5	1	S.A	
C816	2201-000374	C-CERAMIC,DISC	0.22NF,5%,50V,C0G,TP,10.5	1	S.A	
C820	2201-000229	C-CERAMIC,DISC	0.15NF,10%,2KV,Y5P,TP,6.3	1	S.A	
C820A	2201-000229	C-CERAMIC,DISC	0.15NF,10%,2KV,Y5P,TP,6.3	1	S.A	
C823	2201-000291	C-CERAMIC,DISC	1NF,10%,500V,Y5P,TP,7.5X3	1	S.A	
C845	2201-000599	C-CERAMIC,DISC	0.56NF,10%,500V,Y5P,TP,5.	1	S.A	
C901	2305-000412	C-FILM,LEAD-PEF	470nF,5%,63V,TP,-,5mm	1	S.A	
CD202	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD204	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	1	S.A	
CD205	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
CD210	2301-001049	C-FILM,LEAD-PEF	150nF,5%,100V,TP,10.5x5x	1	S.A	
CD211	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	S.A	
CD212	2203-002398	C-CER,CHIP	22nF,10%,50V,X7R,1608	1	S.A	
CD213	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	S.A	
CD214	2203-006170	C-CER,CHIP	220nF,10%,16V,X7R,1608	1	S.A	
CD215	2203-001103	C-CER,CHIP	6.8nF,10%,50V,X7R,1608	1	S.A	
CD217	2203-000257	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	1	S.A	
CD218	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD219	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	S.A	
CD220	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD221	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	S.A	
CD222	2203-006170	C-CER,CHIP	220nF,10%,16V,X7R,1608	1	S.A	
CD223	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD224	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD226	2203-000998	C-CER,CHIP	0.047nF,5%,50V,C0G,1608	1	S.A	
CD226A	2203-000998	C-CER,CHIP	0.047nF,5%,50V,C0G,1608	1	S.A	
CD228	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	S.A	
CD229	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD230	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD231	2203-000189	C-CER,CHIP	100nF,+80-20%,25V,Y5V,1608	1	S.A	
CD235	2203-000440	C-CER,CHIP	1nF,10%,50V,X7R,1608	1	S.A	
CD241	2203-005005	C-CER,CHIP	100nF,10%,16V,X7R,1608	1	S.A	
CD244	2203-000236	C-CER,CHIP	0.1nF,5%,50V,C0G,1608	1	S.A	
CD245	2203-000236	C-CER,CHIP	0.1nF,5%,50V,C0G,1608	1	S.A	
CD250	2203-001126	C-CER,CHIP	0.68nF,10%,50V,X7R,1608	1	S.A	
CD286	2203-002494	C-CER,CHIP	470nF,10%,16V,X7R,2012	1	S.A	
CD287	2203-002494	C-CER,CHIP	470nF,10%,16V,X7R,2012	1	S.A	
CIS1	0205-001154	OIL-SILICON	G746,-,-	0.1	S.N.A	
CIS1	0205-001154	OIL-SILICON	G746,-,-	0.1	S.N.A	
CIS1	0205-001154	OIL-SILICON	G746,-,-	0.5	S.N.A	
CIS1	0205-001154	OIL-SILICON	G746,-,-	0.2	S.N.A	
CIS1	0205-001154	OIL-SILICON	G746,-,-	0.2	S.N.A	
CIS1	0205-001154	OIL-SILICON	G746,-,-	0.2	S.N.A	
CIS3	AA40-00016A	TUNER	TDQ-6F/13F2S,NTSC,181CH,45.75MHZ,7	1	S.A	
CN330	3711-003043	HEADER-BOARD TO CABLE	BOX,4P,1R,2.5MM,ST	1	S.A	
CN330	3711-002648	HEADER-BOARD TO CABLE	BOX,9P,1R,2.5mm,ST	1	S.A	
CN909	AA37-00001A	CONNECTOR-FBT FIX PIN	JM-3500,CPTTV,0.36	1	S.A	
CN909	AA37-00001A	CONNECTOR-FBT FIX PIN	JM-3500,CPTTV,0.36	1	S.A	
△ CR401S	2303-000296	C-FILM,LEAD-PPF	18nF,5%,630V,BK,20x16x9.	1	S.A	
△ CR402S	2301-001041	C-FILM,LEAD-PPF	15nF,5%,1.6KV,TP,29x14x2	1	S.A	
△ CR406S	2306-001004	C-FILM,LEAD-PPF	300nF,5%,400V,BK,26x14x2	1	S.A	
△ CX801S	2306-000318	C-FILM,LEAD-PPF	220nF,20%,275V,BK,26x7x1	1	S.A	
△ CY802S	2201-000446	C-CERAMIC,DISC	3.3NF,20%,400V,Y5U,BK,15X	1	S.A	
D303	0402-000132	DIODE-RECTIFIER	1N4004,400V,1A,DO-41,TP	1	S.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
D402	0402-000132	DIODE-RECTIFIER	1N4004,400V,1A,DO-41,TP	1	S.A	
D403	0402-000132	DIODE-RECTIFIER	1N4004,400V,1A,DO-41,TP	1	S.A	
D404	0402-001599	DIODE-RECTIFIER	DGP30L,1500,3A,DO-201AD(	1	S.A	
D405	0402-000534	DIODE-RECTIFIER	RG10V,400V,1.2A,DO-15,TP	1	S.A	
D406	0402-000540	DIODE-RECTIFIER	RU20A,600V,1.5A,DO-15,TP	1	S.A	
D407	0402-000540	DIODE-RECTIFIER	RU20A,600V,1.5A,DO-15,TP	1	S.A	
D408	0402-001295	DIODE-RECTIFIER	GUR460L-5700,600V,4A,DO-	1	S.A	
D501	0402-000254	DIODE-RECTIFIER	RGP10J,600V,1A,DO-41,TP	1	S.A	
D502	0401-000006	DIODE-SWITCHING	BAV21,250V,200mA,DO-35,T	1	S.A	
D510	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D511	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D512	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D513	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
⚠ D801S	0402-001477	DIODE-BRIDGE	GSIB460,600V,4A,SIP-4,ST	1	S.A	
D803	0402-000254	DIODE-RECTIFIER	RGP10J,600V,1A,DO-41,TP	1	S.A	
D804	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D807	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D808	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D809B	0402-001604	DIODE-RECTIFIER	MUR420,200V,4A,DO-201AD,	1	S.A	
D810	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
D811	0402-001603	DIODE-RECTIFIER	MUR480E,800V,4A,DO-201AD	1	S.A	
D813	0402-001604	DIODE-RECTIFIER	MUR420,200V,4A,DO-201AD,	1	S.A	
DD204	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
DD205	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,DO-35,T	1	S.A	
DZ301	0403-001329	DIODE-ZENER	MTZJ24B,22.75-23.73V,500mW,D	1	S.A	
DZ302	0403-001329	DIODE-ZENER	MTZJ24B,22.75-23.73V,500mW,D	1	S.A	
DZ303	0403-001221	DIODE-ZENER	UZ39BSB,35.36-37.19V,500mW,D	1	S.A	
DZ305	0403-001329	DIODE-ZENER	MTZJ24B,22.75-23.73V,500mW,D	1	S.A	
DZ306	0403-000700	DIODE-ZENER	TZP33A,5%,1000mW,DO-41,TP	1	S.A	
DZ401	0403-001319	DIODE-ZENER	MTZJ4.7C,4.68-4.93V,500mW,DO	1	S.A	
DZ402	0403-001373	DIODE-ZENER	MTZJ5.1A,4.85-5.03V,500mW,DO	1	S.A	
DZ403	0403-000509	DIODE-ZENER	MTZJ5.6B,5.4-5.7V,500mW,DO-3	1	S.A	
DZ510	0403-000716	DIODE-ZENER	MTZJ4.7B,4.59-4.77V,500mW,DO	1	S.A	
DZ602	0403-000509	DIODE-ZENER	MTZJ5.6B,5.4-5.7V,500mW,DO-3	1	S.A	
DZ704	0403-000720	DIODE-ZENER	MTZJ9.1B,8.57-9.01V,500mW,DO	1	S.A	
DZ801	0403-001140	DIODE-ZENER	RD10ESAB-T4,9.7-10.2V,400mW,	1	S.A	
DZ802	0403-001373	DIODE-ZENER	MTZJ5.1A,4.85-5.03V,500mW,DO	1	S.A	
DZ802A	0403-001318	DIODE-ZENER	MTZJ4.3B,4.17-4.43V,500mW,DO	1	S.A	
DZ803	0403-000699	DIODE-ZENER	TZP27B,27-30.8V,1000mW,DO-41	1	S.A	
DZ804	0403-001318	DIODE-ZENER	MTZJ4.3B,4.17-4.43V,500mW,DO	1	S.A	
DZ805	0403-001327	DIODE-ZENER	MTZJ18A,16.22-17.06V,500mW,D	1	S.A	
DZ810	0403-001373	DIODE-ZENER	MTZJ5.1A,4.85-5.03V,500mW,DO	1	S.A	
DZ811	0403-000700	DIODE-ZENER	TZP33A,5%,1000mW,DO-41,TP	1	S.A	
DZ819	0403-000714	DIODE-ZENER	MTZJ3.3B,3.32-3.53V,500mW,DO	1	S.A	
DZ841	0403-001318	DIODE-ZENER	MTZJ4.3B,4.17-4.43V,500mW,DO	1	S.A	
DZ842	0403-001318	DIODE-ZENER	MTZJ4.3B,4.17-4.43V,500mW,DO	1	S.A	
DZ901	0403-000717	DIODE-ZENER	MTZJ5.1B,4.94-5.2V,500mW,DO-	1	S.A	
DZD203	0403-000720	DIODE-ZENER	MTZJ9.1B,8.57-9.01V,500mW,DO	1	S.A	
DZD206	0403-000720	DIODE-ZENER	MTZJ9.1B,8.57-9.01V,500mW,DO	1	S.A	
DZD207	0403-000720	DIODE-ZENER	MTZJ9.1B,8.57-9.01V,500mW,DO	1	S.A	
DZD208	0403-000720	DIODE-ZENER	MTZJ9.1B,8.57-9.01V,500mW,DO	1	S.A	
DZD209	0403-000720	DIODE-ZENER	MTZJ9.1B,8.57-9.01V,500mW,DO	1	S.A	
DZD210	0403-000717	DIODE-ZENER	MTZJ5.1B,4.94-5.2V,500mW,DO-	1	S.A	
EL802	6042-000001	EYELET	ID2.2,OD2.7,L3.1,Ni+SN,BSP3-1/2H	1	S.N.A	
EL806	6042-000001	EYELET	ID2.2,OD2.7,L3.1,Ni+SN,BSP3-1/2H	1	S.N.A	
EY600	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY859	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY862A	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY863	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY864	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY866	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY871	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY872A	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY873	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY875A	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY876A	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY879	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	
EY890	6042-000002	EYELET	ID1.5,OD2,L2.8,Ni+SN,BSP3-1/2H	1	S.A	



Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
EY891	6042-000002	EYELET	ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	1	S.A	
EY894	6042-000002	EYELET	ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	1	S.A	
EY895	6042-000002	EYELET	ID1.5,OD2,L2.8,NI+SN,BSP3-1/2H	1	S.A	
F101	2901-000297	FILTER-EMI ON BOARD	-,3A,-,3.5x5mm,TP,-	1	S.A	
F101	2901-000297	FILTER-EMI ON BOARD	-,3A,-,3.5x5mm,TP,-	1	S.A	
F101	2901-000297	FILTER-EMI ON BOARD	-,3A,-,3.5x5mm,TP,-	1	S.A	
F801A	3602-000001	FUSE-CLIP	-,30mohm	1	S.A	
F801B	3602-000001	FUSE-CLIP	-,30mohm	1	S.A	
FD801A	3601-001163	FUSE-AXIAL LEAD	125V,7A,-,EPOXY,2.4X7.1M	1	S.A	
FD802	3601-000281	FUSE-CARTRIDGE	250V,4A,TIME-LAG,GLASS,5.	1	S.A	
FD802A	3601-001163	FUSE-AXIAL LEAD	125V,7A,-,EPOXY,2.4X7.1M	1	S.A	
GT301	AA60-40012F	PIN-GT	4P,2.36PI,6/12/14mm,NYLON66,LOCKI	1	S.N.A	
GT502	BH71-40300A	PIN-HINGE	BRASS,D2.36I,HEAT/SINK,SN	1	S.N.A	
GT503	BH71-40300A	PIN-HINGE	BRASS,D2.36I,HEAT/SINK,SN	1	S.N.A	
GT801	AA60-40012G	PIN-GT	3P,2.36PI,10/5mm,NYLON66,LOCKING	1	S.N.A	
GT805	BH71-40300A	PIN-HINGE	BRASS,D2.36I,HEAT/SINK,SN	1	S.N.A	
GT806	BH71-40300A	PIN-HINGE	BRASS,D2.36I,HEAT/SINK,SN	1	S.N.A	
IC012	1203-001217	IC-POS1.ADJUST REG.	431,TO-92,3P,4.58MIL	1	S.A	
IC112	1103-001314	IC-EEPROM	24C16,2Kx8,SOP,8P,5x4mm,2.7/5.	1	S.A	
IC301	AA96-00623J	ASSY HEAT SINK P	AA62-00056A,SCREW,LA781	1	S.N.A	
IC501	AA96-50311Q	ASSY HEAT SINK P	AA62-30175D,6003-000334	1	S.N.A	
IC601	AA96-04919A	ASSY HEAT SINK P	AA62-00161A,SCREW,LA420	1	S.N.A	
△ IC801S	AA96-00242F	ASSY HEAT SINK P	AA62-30186J,-,1203-0029	1	S.N.A	
JA333	3722-001895	JACK-PIN	6P(9P),NI,YEL/WHT/REDx2,ANGLE	1	S.A	
JD201	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
JD205	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
JD213	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
JD220	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
JD222	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
JD224	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
JD606	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
JV01	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
L103	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
L2514	3301-000287	BEAD-AXIAL	,3.5x1.0x6.0mm,3000mA,TP,,,50	1	S.A	
L2514	3301-000287	BEAD-AXIAL	,3.5x1.0x6.0mm,3000mA,TP,,,50	1	S.A	
L2514	3301-000287	BEAD-AXIAL	,3.5x1.0x6.0mm,3000mA,TP,,,50	1	S.A	
L2514	3301-000287	BEAD-AXIAL	,3.5x1.0x6.0mm,3000mA,TP,,,50	1	S.A	
L303B	2701-001034	INDUCTOR-AXIAL	22UH,10%,4514	1	S.A	
L424	2701-000142	INDUCTOR-AXIAL	1UH,10%,2534	1	S.A	
L808	2701-001030	INDUCTOR-AXIAL	43UH,10%,4514	1	S.A	
LD203	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
LD204	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
LD206	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
LD207	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
LD209	2701-000106	INDUCTOR-AXIAL	1.5UH,10%,3070	1	S.A	
LD210	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
LD211	2701-000106	INDUCTOR-AXIAL	1.5UH,10%,3070	1	S.A	
LD213	2701-000114	INDUCTOR-AXIAL	10UH,10%,2534	1	S.A	
LD704	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	S.A	
LD705	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	S.A	
LD706	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	S.A	
LD707	2007-000029	R-CHIP	0ohm,5%,1/8W,TP,2012	1	S.A	
LX085	AA27-90001B	COIL-SPARK,GAP	S-23,1.5KV,-,-,-,-,-,-,-,-,-,-	1	S.A	
△ LX801S	AA29-00021A	FILTER LINE NOISE	SQE2222,18mH,0.25ohm,1	1	S.A	
M0014	AA97-17525F	ASSY AUTO-MAIN	RCL,L-STEREO	1	S.N.A	
M0018	AA97-17556C	ASSY MICOM	T- MA2NSAL-1002.0,KSCA,TDA121	1	S.A	
M0081	6003-000333	SCREW-TAPTITE	RH,+,-,2S,M3,L10,ZPC(WHT),	1	S.N.A	
M0081	6003-000333	SCREW-TAPTITE	RH,+,-,2S,M3,L10,ZPC(WHT),	1	S.N.A	
M0081	6003-000333	SCREW-TAPTITE	RH,+,-,2S,M3,L10,ZPC(WHT),	1	S.N.A	
M0081	6003-000335	SCREW-TAPTITE	RH,+,-,2S,M3,L8,ZPC(WHT),S	1	S.N.A	
M0081	6003-000334	SCREW-TAPTITE	RH,+,-,2S,M3,L6,ZPC(WHT),S	1	S.N.A	
M0081	6003-000334	SCREW-TAPTITE	RH,+,-,2S,M3,L6,ZPC(WHT),S	1	S.N.A	
M0081	6003-000334	SCREW-TAPTITE	RH,+,-,2S,M3,L6,ZPC(WHT),S	1	S.N.A	
M0245	AA96-30007A	ASSY MISC	AA61-50055A,D,L-G7GA,GREEN	1	S.N.A	
P803T	1404-001265	THERMISTOR-PTC	4.5OHM/100OHM,+30/-20%,22	1	S.A	
△ PC801S	0604-001032	PHOTO-COUPLER	TR,170-260%,300mW,DIP-4,ST	1	S.A	
Q401	AA96-04920A	ASSY HEAT SINK P	AA62-00162A,SCREW,TT222	1	S.N.A	
Q403	0501-002176	TR-SMALL SIGNAL	KTD863,NPN,1W,TO-92L,TP,	1	S.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
Q404	AA96-04922B	ASSY HEAT SINK P	AA62-00164A,6003-000334	1	S.N.A	
Q409	0505-001288	FET-SILICON	KHB9D5N20P,N,200V,9.5A,0.4oh	1	S.A	
Q501	0501-000389	TR-SMALL SIGNAL	KSC815,NPN,400mW,TO-92,T	1	S.A	
Q502	0501-000389	TR-SMALL SIGNAL	KSC815,NPN,400mW,TO-92,T	1	S.A	
Q801	AA96-05075D	ASSY HEAT SINK P	AA62-00045D,6003-000334	1	S.N.A	
Q802	0501-000283	TR-SMALL SIGNAL	KSA539,PNP,400mW,TO-92,T	1	S.A	
Q803	0501-000389	TR-SMALL SIGNAL	KSC815,NPN,400mW,TO-92,T	1	S.A	
Q804	AA96-05075D	ASSY HEAT SINK P	AA62-00045D,6003-000334	1	S.N.A	
Q805	0501-000389	TR-SMALL SIGNAL	KSC815,NPN,400mW,TO-92,T	1	S.A	
Q901	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150MW,SOT-23	1	S.A	
Q903	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150MW,SOT-23	1	S.A	
QD206	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150MW,SOT-23	1	S.A	
QD213	0501-000344	TR-SMALL SIGNAL	KSC1623-G,NPN,200mW,SOT-	1	S.A	
QD214	0501-000280	TR-SMALL SIGNAL	KSA1182,PNP,150MW,SOT-23	1	S.A	
R302	2004-004097	R-METAL	1.6Kohm,2%,1/2W,AA,TP,2.4x6.4mm	1	S.A	
R303	2003-002070	R-METAL OXIDE	1ohm,5%,2W,AF,TP,3.9x10mm	1	S.A	
R304	2008-001015	R-FUSIBLE(S)	1.5ohm,5%,2W,AF,TP,3.9x10mm	1	S.A	
R305	2004-001371	R-METAL(S)	1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	1	S.A	
R306	2001-000016	R-CARBON(S)	1ohm,5%,1/2W,AA,TP,2.4x6.4mm	1	S.A	
R307	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R309	2003-002180	R-METAL OXIDE(S)	390ohm,5%,2W,AG,TP,3.9x	1	S.A	
R310	2003-002180	R-METAL OXIDE(S)	390ohm,5%,2W,AG,TP,3.9x	1	S.A	
R401	2001-001165	R-CARBON(S)	56ohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R402	2001-001070	R-CARBON(S)	120ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R403	2004-005059	R-METAL(S)	2.7Kohm,1%,1/2W,AA,TP,6.4x2.4	1	S.A	
R404	2001-001114	R-CARBON(S)	270ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R405	2001-000020	R-CARBON(S)	22ohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R406	2001-000449	R-CARBON	2.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R408	2004-001390	R-METAL(S)	1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	1	S.A	
R409	2001-001168	R-CARBON(S)	6.8Kohm,5%,1/2W,AA,TP,2.4x6.	1	S.A	
R410	2001-001115	R-CARBON(S)	27Kohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R411	2001-001194	R-CARBON(S)	82Kohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R413	2008-000264	R-FUSIBLE(S)	1ohm,5%,1W,AF,TP,3.9x10mm	1	S.A	
R414	2008-000264	R-FUSIBLE(S)	1ohm,5%,1W,AF,TP,3.9x10mm	1	S.A	
R415	2001-000429	R-CARBON	1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R416	2001-000012	R-CARBON	680Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R417	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R418	2008-001137	R-FUSIBLE(S)	3.3ohm,5%,1W,AF,TP,3.9x10mm	1	S.A	
R423	2003-001042	R-METAL OXIDE(S)	5.6Kohm,5%,2W,AF,TP,3.9	1	S.A	
R426	2003-002288	R-METAL OXIDE(S)	2.2Kohm,5%,2W,AF,TP,3.9	1	S.A	
R450	2008-001137	R-FUSIBLE(S)	3.3ohm,5%,1W,AF,TP,3.9x10mm	1	S.A	
R501H	2002-001008	R-COMPOSITION	1.8Kohm,10%,1/2W,AA,TP,3.7	1	S.A	
R502H	2002-001008	R-COMPOSITION	1.8Kohm,10%,1/2W,AA,TP,3.7	1	S.A	
R503	2002-001008	R-COMPOSITION	1.8Kohm,10%,1/2W,AA,TP,3.7	1	S.A	
R504	2001-001062	R-CARBON(S)	10Mohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R505	2008-001154	R-FUSIBLE(S)	1.8ohm,5%,1/2W,AF,TP,6.5x2.	1	S.A	
R507	2001-000780	R-CARBON	470ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R508	2001-000780	R-CARBON	470ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R509	2001-000780	R-CARBON	470ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R520	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R521	2001-000679	R-CARBON	36Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R522	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R523	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R601	2001-000009	R-CARBON	20Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R602	2001-000290	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R603	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	S.A	
R604	2007-000082	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	1	S.A	
R605	2001-000290	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R606	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	S.A	
R607	2001-000009	R-CARBON	20Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R611	2001-001096	R-CARBON(S)	2.2ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R612	2001-001096	R-CARBON(S)	2.2ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R613	2001-001096	R-CARBON(S)	2.2ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R614	2001-001096	R-CARBON(S)	2.2ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R710	2001-000857	R-CARBON	560ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R711	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	S.A	
R802	2003-000586	R-METAL OXIDE(S)	22Kohm,5%,2W,AF,TP,4x12	1	S.A	
R803	2003-000586	R-METAL OXIDE(S)	22Kohm,5%,2W,AF,TP,4x12	1	S.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
R804	2003-000586	R-METAL OXIDE(S)	22Kohm,5%,2W,AF,TP,4x12	1	S.A	
R805	2001-000019	R-CARBON(S)	10ohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R807	2001-001150	R-CARBON(S)	470Kohm,5%,1/2W,AA,TP,2.4x6.	1	S.A	
R807A	2001-000290	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R808	2001-000109	R-CARBON(S)	470ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R809	2001-001150	R-CARBON(S)	470Kohm,5%,1/2W,AA,TP,2.4x6.	1	S.A	
R810	2008-000294	R-FUSIBLE(S)	33ohm,5%,2W,AF,TP,3.9x10mm	1	S.A	
R811	2008-000294	R-FUSIBLE(S)	33ohm,5%,2W,AF,TP,3.9x10mm	1	S.A	
R813	2001-000003	R-CARBON	330ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R815A	2001-001077	R-CARBON(S)	150ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R816	2001-000864	R-CARBON	56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R818	2004-001399	R-METAL(S)	5.1Kohm,1%,1/2W,AA,TP,2.4x6.4	1	S.A	
R819	2001-001088	R-CARBON(S)	1Kohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R820A	2001-001088	R-CARBON(S)	1Kohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R821	2004-001373	R-METAL(S)	100Kohm,1%,1/2W,AA,TP,2.4x6.4	1	S.A	
R821A	2001-001125	R-CARBON(S)	300Kohm,5%,1/2W,AA,TP,2.4x6.	1	S.A	
R821B	2004-000412	R-METAL	18Kohm,1%,1/4W,AA,TP,2.4x6.4mm	1	S.A	
R822A	2004-001983	R-METAL(S)	2.49Kohm,1%,1/2W,AA,TP,2.4x6.	1	S.A	
R823	2003-002020	R-METAL OXIDE(S)	56Kohm,5%,2W,AF,TP,3.9x	1	S.A	
R829	2001-001071	R-CARBON(S)	12Kohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R830	2001-001103	R-CARBON(S)	20Kohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R831	2001-001071	R-CARBON(S)	12Kohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R831A	2001-001192	R-CARBON(S)	820ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R832	2001-001088	R-CARBON(S)	1Kohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R834	2001-000515	R-CARBON	220ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R836	2001-001138	R-CARBON(S)	390ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R839	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R840	2001-001078	R-CARBON(S)	15Kohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R841	2001-000290	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R842	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R843	2001-000019	R-CARBON(S)	10ohm,5%,1/2W,AA,TP,2.4x6.4m	1	S.A	
R844	2001-000290	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R849	2001-001178	R-CARBON(S)	680ohm,5%,1/2W,AA,TP,2.4x6.4	1	S.A	
R855	2001-000290	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R899	2008-000294	R-FUSIBLE(S)	33ohm,5%,2W,AF,TP,3.9x10mm	1	S.A	
R901	2007-000081	R-CHIP	2.7Kohm,5%,1/10W,TP,1608	1	S.A	
R903	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	S.A	
R904	2007-000081	R-CHIP	2.7Kohm,5%,1/10W,TP,1608	1	S.A	
R905	2007-000118	R-CHIP	390ohm,5%,1/10W,TP,1608	1	S.A	
R906	2007-000118	R-CHIP	390ohm,5%,1/10W,TP,1608	1	S.A	
R907	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	S.A	
R910	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	1	S.A	
R913	2007-000080	R-CHIP	2Kohm,5%,1/10W,TP,1608	1	S.A	
R914	2001-000577	R-CARBON	2Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R915	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
R916	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	S.A	
R917	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	S.A	
R926	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	S.A	
R927	2001-000793	R-CARBON	47ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
R933	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
R934	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD215	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD222	2007-000828	R-CHIP	39Kohm,1%,1/10W,TP,1608	1	S.A	
RD223	2007-000118	R-CHIP	390ohm,5%,1/10W,TP,1608	1	S.A	
RD224	2001-000924	R-CARBON	680ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD225	2007-000088	R-CHIP	7.5Kohm,5%,1/10W,TP,1608	1	S.A	
RD226	2007-000097	R-CHIP	47Kohm,5%,1/10W,TP,1608	1	S.A	
RD227	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	1	S.A	
RD228	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD229	2007-000091	R-CHIP	12Kohm,5%,1/10W,TP,1608	1	S.A	
RD234	2007-000113	R-CHIP	33ohm,5%,1/10W,TP,1608	1	S.A	
RD236	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD237	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD238	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD239	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD240	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD245	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD247	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	1	S.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
RD252	2007-000087	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	1	S.A	
RD253	2007-000087	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	1	S.A	
RD255	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	S.A	
RD257	2001-000878	R-CARBON	6.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD258	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	S.A	
RD260	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	S.A	
RD261	2007-000079	R-CHIP	1.8Kohm,5%,1/10W,TP,1608	1	S.A	
RD264	2007-000091	R-CHIP	12Kohm,5%,1/10W,TP,1608	1	S.A	
RD265	2007-000129	R-CHIP	27Kohm,5%,1/10W,TP,1608	1	S.A	
RD266	2007-000097	R-CHIP	47Kohm,5%,1/10W,TP,1608	1	S.A	
RD267	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD270	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD275	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD280	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	1	S.A	
RD286	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD287	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD288	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	1	S.A	
RD289	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	1	S.A	
RD292	2001-000281	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD294	2001-000969	R-CARBON	75ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD296A	2007-000129	R-CHIP	27Kohm,5%,1/10W,TP,1608	1	S.A	
RD297A	2001-000008	R-CARBON	15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD298A	2007-000129	R-CHIP	27Kohm,5%,1/10W,TP,1608	1	S.A	
RD299A	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	1	S.A	
RD304	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	S.A	
RD305	2001-000857	R-CARBON	560ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD704	2001-000857	R-CARBON	560ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	S.A	
RD706	2007-000119	R-CHIP	560ohm,5%,1/10W,TP,1608	1	S.A	
RD713	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	1	S.A	
RM901	AA32-00015A	Module Remocon	5	1	S.A	
△ RX801S	2002-001010	R-COMPOSITION	1.8Mohm,5%,1/2W,AA,TP,3.7x	1	S.A	
△ RY801S	2002-001012	R-COMPOSITION	8.2Mohm,5%,1/2W,AA,TP,3.7x	1	S.A	
SF01	2904-001221	FILTER-SAW AV	45.75MHz,SIP5K,ST,14.2dB,4	1	S.A	
T0010	AA27-00286B	COIL CHOKE	1mH,10%,0.5ohm,1A,DR1420C:6.0	1	S.A	
T0010	AA27-00431A	COIL CHOKE	CH-1220S,NEPTUNE,240uH,10%,0.	1	S.A	
T0010	AA61-20284A	HOLDER	P-CORD,PP,-,-,-,BLK,VO,KE-002	1	S.N.A	
T0052	2703-001334	INDUCTOR-SMD	1.5uH,10%,2012	1	S.A	
T0066	AA62-30171J	HEAT SINK-ES	-,-,-,SILVER,-,DREAM1,-,-,-	1	S.N.A	
T0066	AA62-00161A	HEAT SINK-ES	IROBOT2,A6063,T2.0,50*40,WH	1	S.N.A	
T0066	AA96-20109C	ASSY POWER CORD	-,CP2/NO(4.0),H/C300,EU,	1	S.A	
T0074	1201-002491	IC-VIDEO AMP	TDA6107AJF/N1B,ZSIP,9P,21.6	1	S.A	
T0077	AA41-01319C	PCB MAIN	CS21Z45,FR-1,1,C,1.6,245*245*1.	1	S.N.A	
T0085	1201-002507	IC-AUDIO AMP	LA42032,SIP,13P,25.6x13.9mm	1	S.A	
T0086	1203-002916	IC-PWM CONTROLLER	KA5Q0765RTH-YDTU,TO-22	1	S.A	
T0088	1204-002784	IC-VERTICAL PROCESSO	LA78141-E,TO220,7P,	1	S.A	
T0119	AA09-00564A	IC MICOM	TDA12165H/N3/3,80Pin,3.3/5/8V,2	1	S.A	
T0174	AA97-17526F	ASSY SMD	RCL,L-STEREO	1	S.N.A	
T0175	AA62-00056A	HEAT SINK-PS	-,-,T1.0,-,41*35*70,D2,-,-,	1	S.N.A	
T0175	AA62-00162A	HEAT SINK-PS	IROBOT2,A1050,T1.0,23*40,WH	1	S.N.A	
T0175	AA62-00164A	HEAT SINK-PS	IROBOT2,A1050,T1.0,41*50,WH	1	S.N.A	
T0175	AA62-00045D	HEAT SINK-PS	EVOLUTION,AL,T1.0,20*20*35,	1	S.N.A	
T0175	AA62-30175D	HEAT SINK-PS	-,SECC,T1.0,-,33X15X30 FT-2	1	S.N.A	
T0245	0202-001608	SOLDER-WIRE FLUX	LFC7-107,D0.8,99.3Sn/0.	0.025	S.N.A	
T0245	AA39-20112A	LEAD CONNECTOR-ASSY	,9P,400,YBNH025-09,6	1	S.A	
△ T0268	AA39-10006X	CBF-POWER CORD	-,-,KKP419C,3P,-,-,BLK,-,	1	S.A	
T0296	AA27-00402B	COIL LINEARITY	HL-1520,41uH,342uH,4,DR 15	1	S.A	
T0310	4715-001036	SURGE ABSORBER	500V,20%,-,-,TP	1	S.A	
T0310	4715-001036	SURGE ABSORBER	500V,20%,-,-,TP	1	S.A	
T0310	4715-001036	SURGE ABSORBER	500V,20%,-,-,TP	1	S.A	
T0313	3404-001004	SWITCH-TACT	12V,50mA,160gf,8.4x22.7mm,SP	1	S.A	
T0313	3404-001252	SWITCH-TACT	12VDC,50MA,130GF,7.5X7.1,1	1	S.A	
T0313	3404-001252	SWITCH-TACT	12VDC,50MA,130GF,7.5X7.1,1	1	S.A	
T0313	3404-001252	SWITCH-TACT	12VDC,50MA,130GF,7.5X7.1,1	1	S.A	
T0313	3404-001252	SWITCH-TACT	12VDC,50MA,130GF,7.5X7.1,1	1	S.A	
T0313	3404-001252	SWITCH-TACT	12VDC,50MA,130GF,7.5X7.1,1	1	S.A	
T0527	AA65-30018A	CLAMPER CORE-WIRE	DONG-A,NYLON-66,-,-,-,	1	S.N.A	
T0527	AA65-30111A	CLAMPER CORE-WIRE	ALL MODEL,NYLON,VO,WHT	1	S.N.A	
T0900	1404-001045	THERMISTOR-NTC	4.7ohm,4.565A,2900K,-,-,-	1	S.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
T401	AA26-50001M	TRANS-H.DRIVE	-, -, 80mH, -, -, 520uH, -, -, -	1	S.A	
T444	AA26-00304A	TRANS FBT	BSC25-5207, 21 UXD, 3.65mH, UYF1	1	S.A	
△ T801S	AA26-00292A	TRANS SWITCHING	CT-21Z50, AC90~264V, PM7, 1	1	S.N.A	
△ V999S	3704-001197	SOCKET-CRT	8P+SEN, 29PI, 22.5PI, NI+SN, -	1	S.A	
△ VP801S	1405-000187	VARISTOR	615Vdc, 1250A, 12.5x7mm, TP	1	S.A	
XD201	2801-003316	CRYSTAL-UNIT	24.576MHz, 30ppm, 28-AAM, 20pF	1	S.A	
	0502-001073	TR-POWER	TT2222LS, NPN, 35000mW, TO-220F, ST	1	S.A	
	0502-001007	TR-POWER	KSC2073-H2, NPN, 25W, TO-220, ST, 6	1	S.A	

## ASSY COVER FRONT

M0001	AA90-05761W	ASSY COVER FRONT	CL21Z43MJUXXAO	1	S.N.A	
T0238	AA60-10050V	BOLT-HEX	-, SWRCH18A, M6, L30, HH, +, WC, -, Z	4	S.N.A	
T0607	AA61-40113A	STOPPER-PCB	501H, HIPS, -, -, HB, NTR, -	1	S.N.A	
T0003	AA96-04962A	ASSY COVER P-FRONT	21Z43, LATION-AME, HI	1	S.A	
M0081	6003-001019	SCREW-TAPTITE	RH, +, -, B, M4, L12, ZPC(BLK), S	1	S.A	
M0081	6003-001019	SCREW-TAPTITE	RH, +, -, B, M4, L12, ZPC(BLK), S	1	S.A	
M0081	AA60-10002A	SCREW-TAPTITE	RH, +, -, M4, L12, ZPC(WHT), S	4	S.N.A	
CIS7	AA61-60003J	SPRING ETC-CS	-, SUS304, -, -, OD6, N7, OD6, -	1	S.N.A	
M0112	AA63-01559C	COVER-FRONT	21Z43, HIPS, HB, GE503, BKN1576+	1	S.N.A	
T0022	AA64-04327A	KNOB CONTROL	29Z40, SEH, ABS, -, -, -, HB, GR51	1	S.N.A	
T0023	AA64-04334A	KNOB POWER	21Z40, ABS, HB, GR515, SVM3012	1	S.N.A	
T0238	AA64-04340A	WINDOW REMOCON-LED	Z40(SEH, TSE), PC, CLEAR	1	S.N.A	
T0057	AA64-70123A	BADGE-BRAND	NEW, AL, L50, FLAT, SILVER, SAMSU	1	S.N.A	
T0175	AA96-04766A	ASSY SPEAKER P	8ohm, 10W, R/B700mm, Y/B500m	1	S.A	
T0382	BP61-00495C	HOLDER-CARE	PJT, ACRYL-FOAM, T0.25, W30.0mm	0.2	S.N.A	

## ASSY COVER REAR

M0002	AA90-05907J	ASSY COVER REAR	21Z43, HIPS, HB, BK500, KSBE	1	S.N.A	
M0081	6003-001026	SCREW-TAPTITE	RH, +, B, M4, L15, ZPC(BLK), SWR	5	S.A	
M0081	6003-001026	SCREW-TAPTITE	RH, +, B, M4, L15, ZPC(BLK), SWR	1	S.A	
T0522	AA65-30008A	CLAMPER CORE-CORD	-, PE, HB, -, BLK, -	1	S.N.A	
M0013	AA96-05350A	ASSY COVER P-REAR	21Z43, HIPS, HB, BK500, K1	1	S.A	
T0069	AA60-00091R	SPACER-FELT	-, FELT, 250X10, -, -, BLK, T0.5, -	3	S.N.A	
M0006	AA63-01565B	COVER-REAR	21Z43, HIPS, HB, BK500, K16B	1	S.A	
T0066	AA64-03974N	INLAY-BACK	21K40, S17C, PC, SHEET, 0.3, BLK, R	1	S.N.A	
T0578	AA64-04315A	INLAY AV	21Z30, PS, T0.3mm, 14.0mm, 19.3mm	1	S.N.A	
T0578	AA64-04315B	INLAY AV	CS21K40MJRXST, PS, SHEET, T0.3, 21	1	S.N.A	

## ASSY CPT

△ T0521	AA91-10967M	ASSY CPT	A51QGV991X301, 380MG, 21UX, K16D	1	S.N.A	
T0063	AA03-00551A	CRT COLOR	A51QGV 991X301, 0mG, 0.915, 14.0,	1	S.A	
T0089	AA27-00404A	COIL DEGAUSSING	ALUMINIUM, Narnia, 7.5mH, 6	1	S.A	
T0527	AA65-30107A	CLAMPER CORE-D, COIL	20-22 INCH, NYLON 66,	4	S.N.A	
T0603	AA96-03893D	ASSY TBC WIRE P	4*0.12TA*16, 21, PAL&NTSC	1	S.N.A	

## ASSY BOX

M0003	AA92-11936G	ASSY BOX	CL21Z43MQLXXAO	1	S.N.A	
	AA69-04174K	BOX-SET	21Z43-VE, CB, A1, DW, W645, D395, H505	1.01	S.N.A	

## ASSY P/MATERIAL

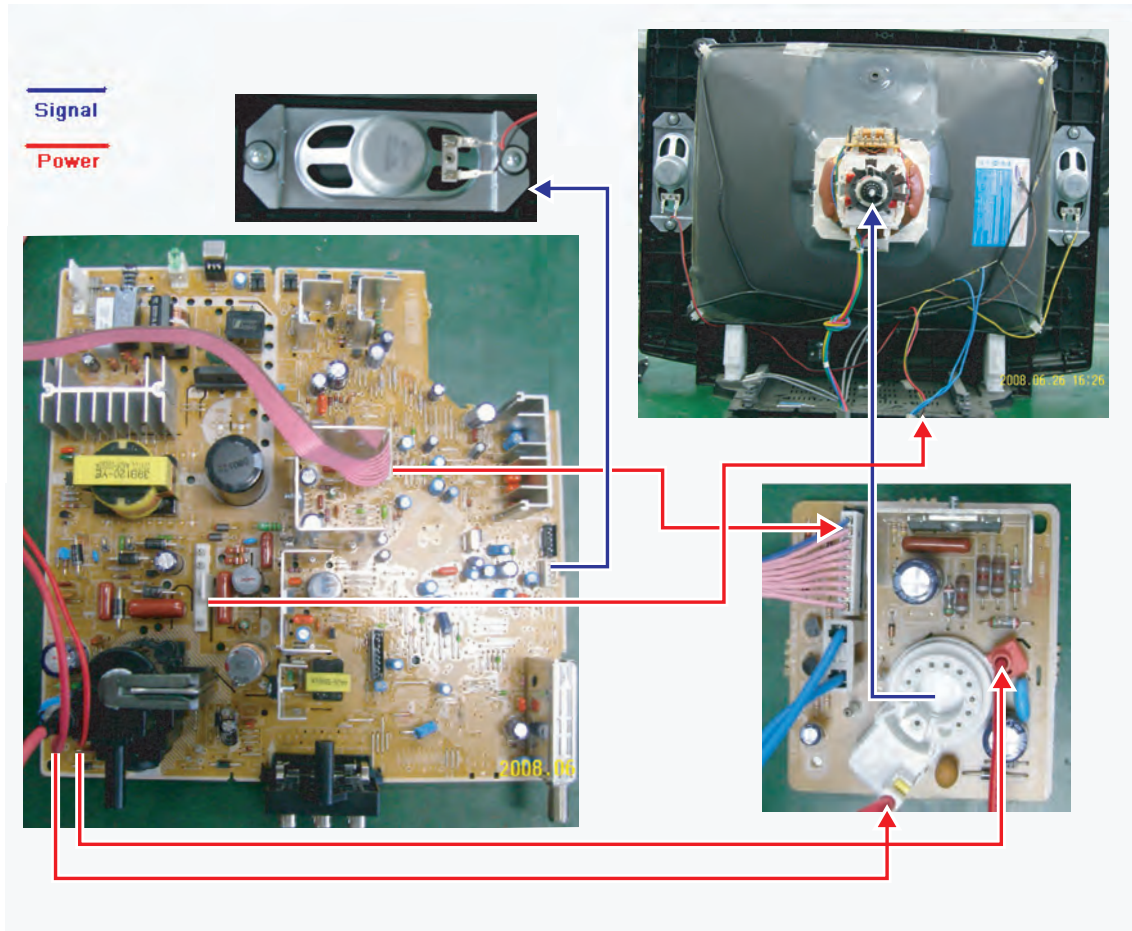
M0113	AA92-11937B	ASSY P/MATERIAL	21Z43	1	S.N.A	
T0214	AA60-40006A	PIN-STAPLE	AUTO, 33X17.8X2.4, H18, 33X17.8X	6	S.N.A	
T0524	6902-000417	BAG PE	HDPE/NITRON/HDPE, T0.015/T0.5/T0.0	1	S.N.A	

Loc. No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
<b>ASSY ACCESSORY</b>						
M0045	AA92-12624K	ASSY ACCESSORY	CL21Z43ML4XXAO	1	S.N.A	
T0251	3721-000136	PLUG-CONVERSION	2P,4.0mm,N,NI	1	S.A	
M0045	AA96-05395K	ASSY ACCESSORY	CL21Z43ML4XXAO	1	S.N.A	
T0074	AA59-00385C	REMOCON	TOMORROW,TM85,S3C1860XP0-SKT1,30	1	S.A	
	AA68-03242L	MANUAL FLYER-03,,SAFETY GUIDE	comm,Samsu	1	S.N.A	
	AA68-03777A	MANUAL USERS-CARD,07	comm,Samsung,Englis	1	S.N.A	
T0511	AA68-03996E	MANUAL USERS	COMM,SAMSUNG,SPA,SA/MEXICO,	1	S.N.A	
T0524	AA69-01195A	BAG PE	HDPE-HDPET0.012,93/4X151/2,-,-,-	1	S.N.A	
<b>ASSY LABEL</b>						
M0019	AA92-12626E	ASSY LABEL	CL21Z58MQ4XXAX	1	S.N.A	

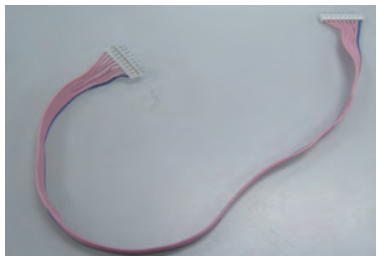




## 6. Wiring Diagram

### 6-1 Overall Wiring

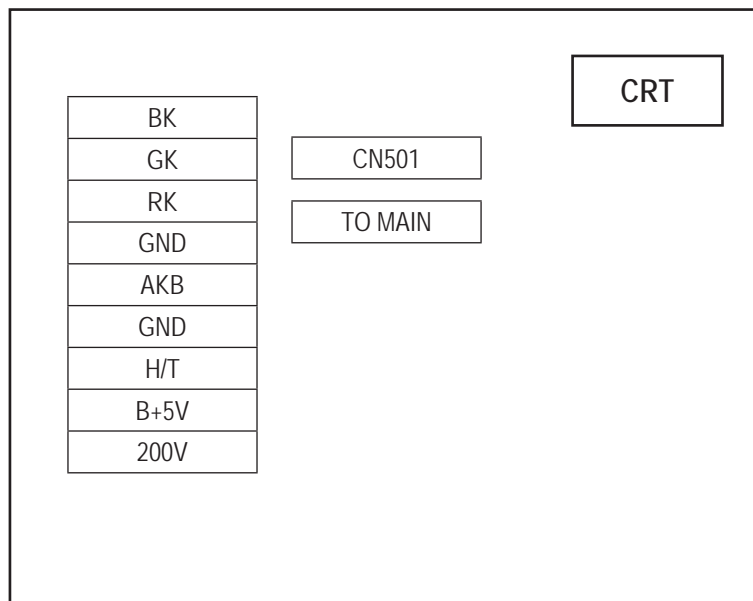
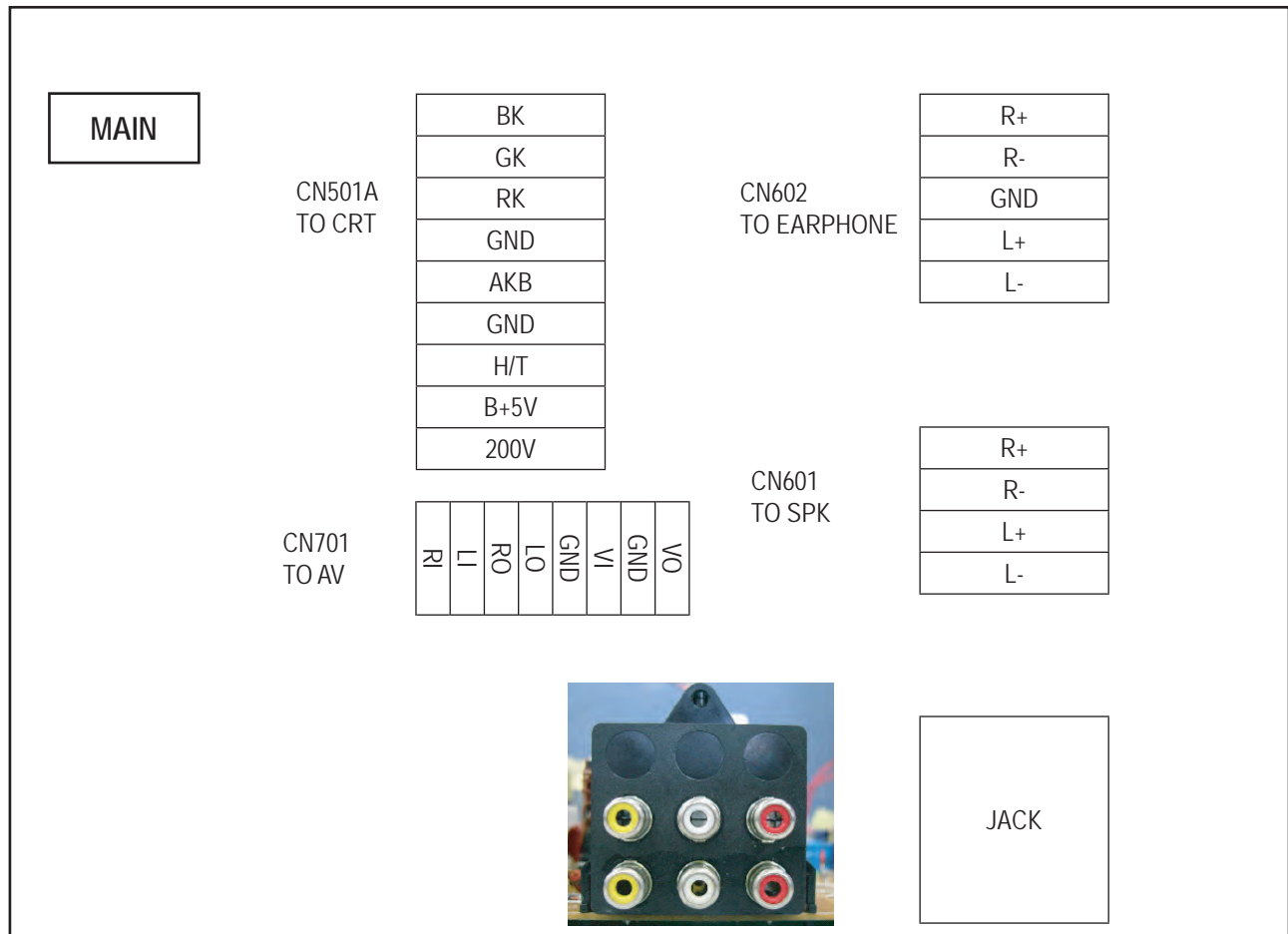


※ The code number of cable(Lead-connector) can be changed, see "5. Exploded View & Part List."

Use	①CRT Board↔Main Board	② Power Code	③ Speaker Wire
Code	AA39-20620B	AA96-20112C	AA96-04766A
Photo			



## 6-2 Pin Connection



## 6-2-1 Main Board Connector Pin

### CN501A

CRT Board connection

Pin No.	Pin Name
1	BK
2	GK
3	RK
4	GND
5	AKB
6	GND
7	H/T
8	B+5V
9	200V

### CN701

Side-AV connection

Pin No.	Pin Name
1	VO
2	GND
3	VI
4	GND
5	LO
6	RO
7	LI
8	RI

### CN602

EARPHONE connection

Pin No.	Pin Name
1	R+
2	R-
3	GND
4	L+
5	L-

### CN601

TO SPK

Pin No.	Pin Name
1	R+
2	R-
3	L+
4	L-

### CN501

CRT Board connection

Pin No.	Pin Name
1	BK
2	GK
3	RK
4	GND
5	AKB
6	GND
7	H/T
8	B+5V
9	200V

### 6-2-2 Connector role

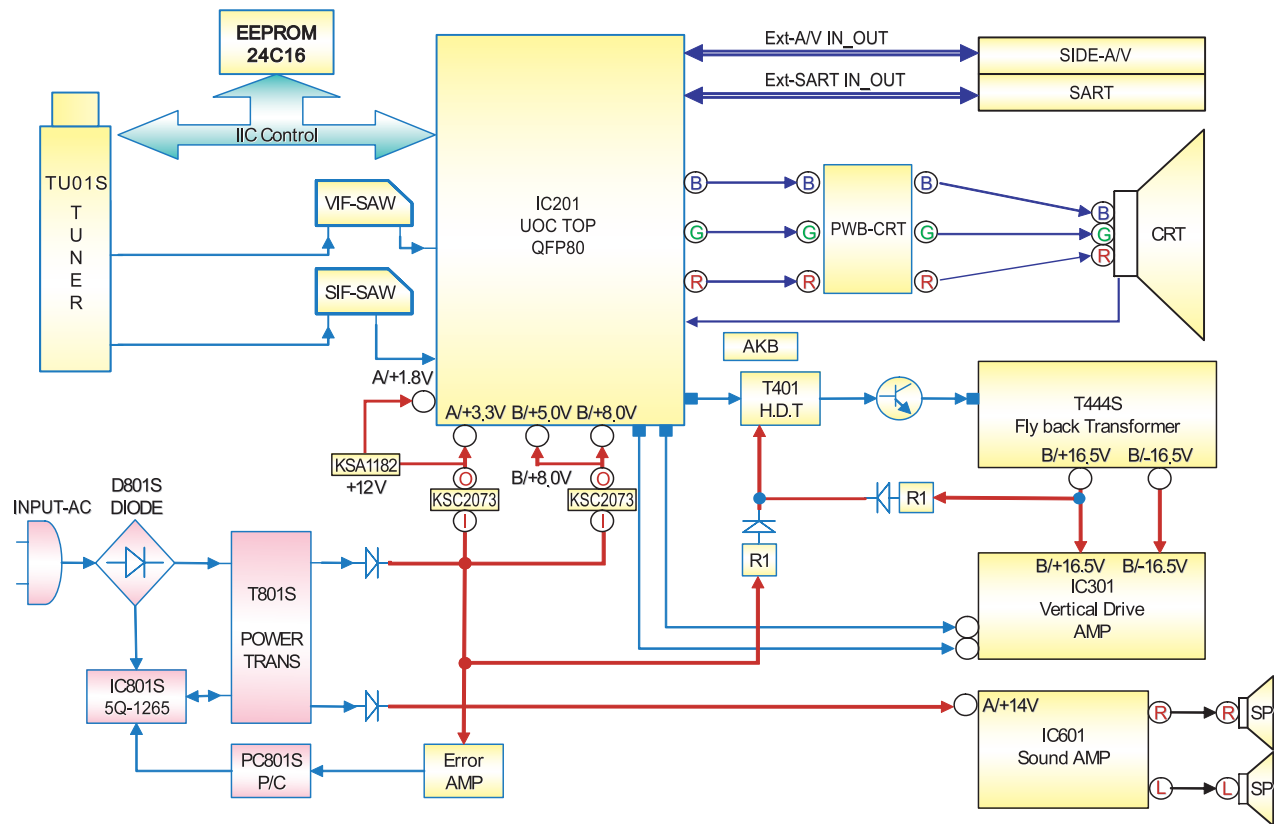
Loc. No.	Description
CN501	Main Board and CRT Board connect
CN602	Main Board and Side-AV to E-Phone connect
CN701	Main Board and Side-AV connect
CN601	Main Board and Speaker connect

# MEMO

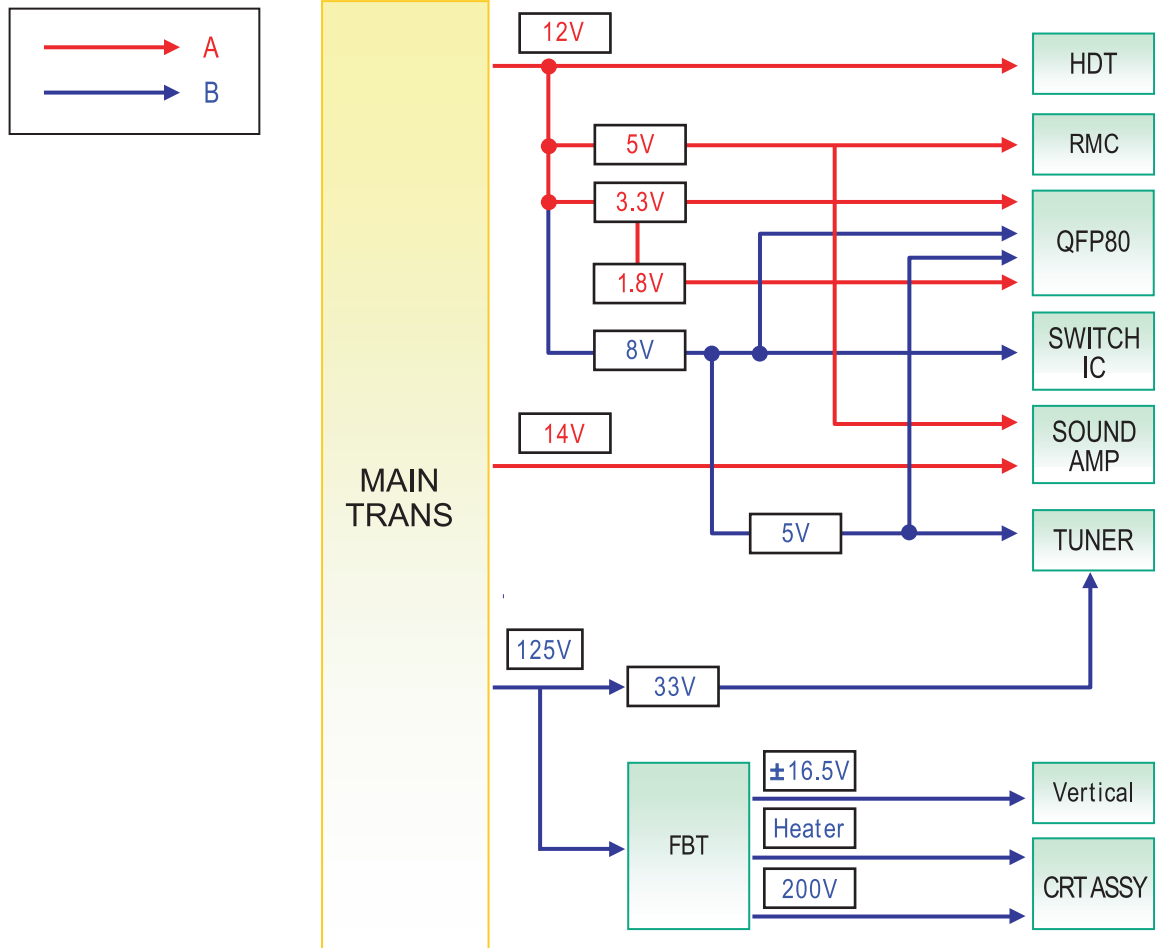
## 7. Schematic Diagram

### 7-1 Circuit Description

#### 7-1-1 Overall Block Description

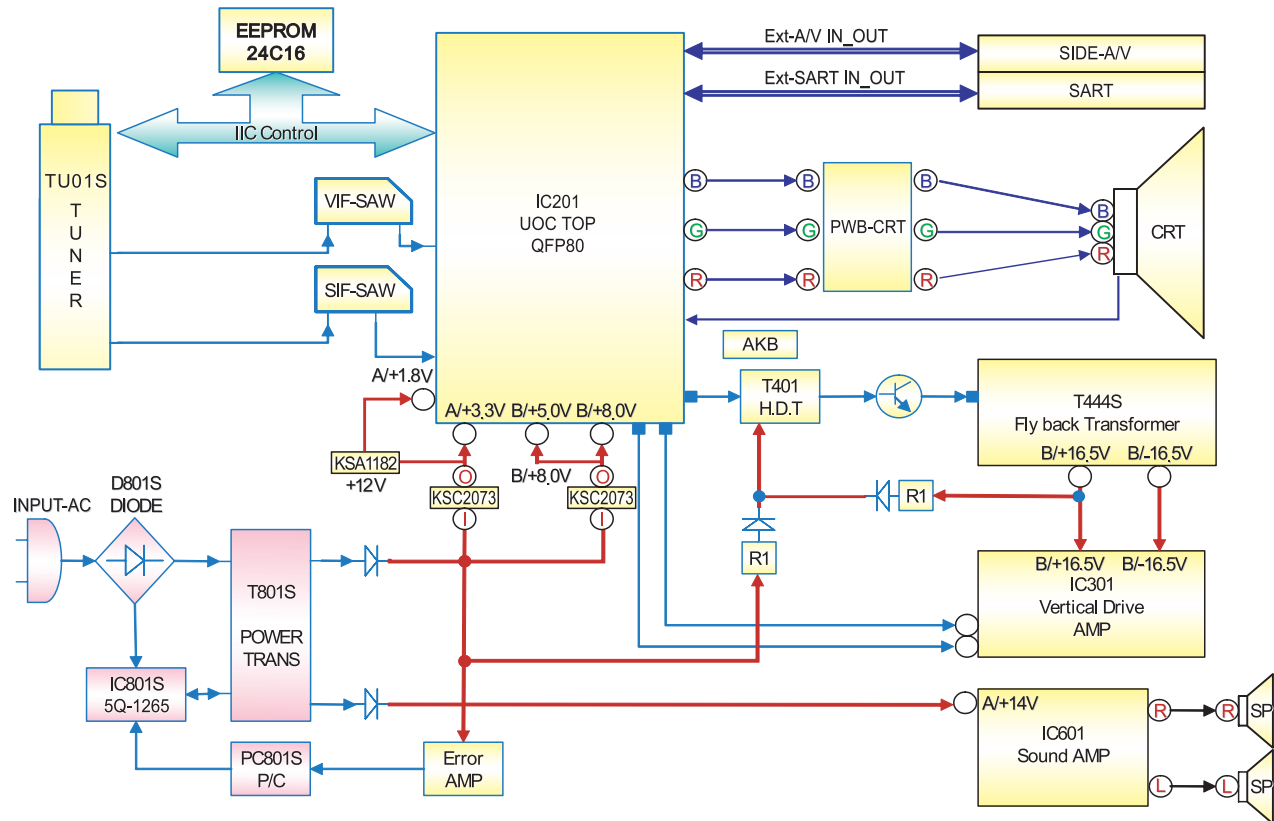


## 7-1-2 Power Signal



## 7-1-3 Partial Block Diagram

### 1. Main Block Description

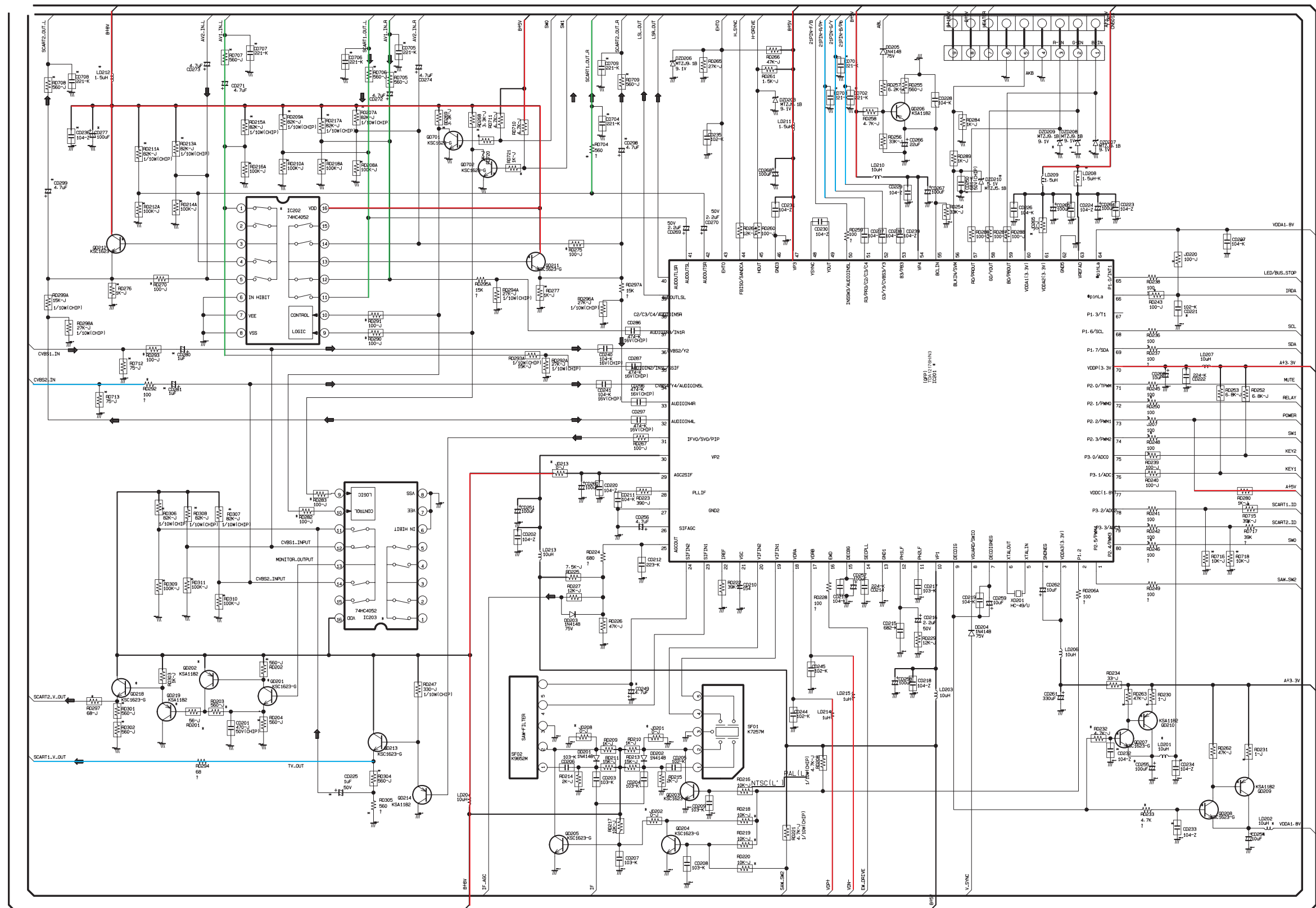


## 7-2 Schematic Diagram

### 7-2-1 Main Board

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	Power
	Video
	Audio

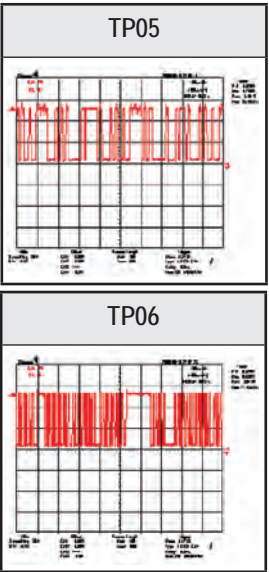
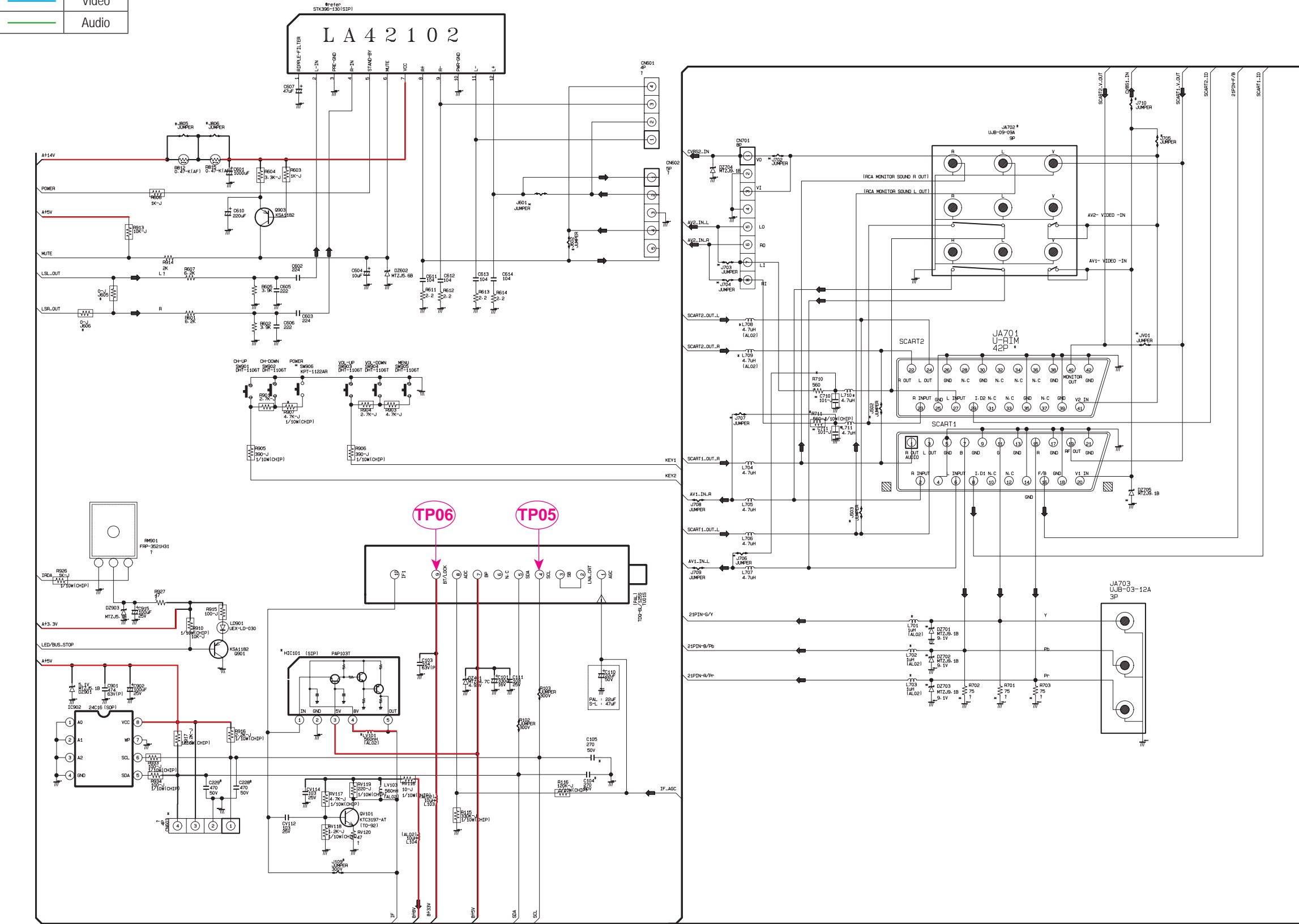




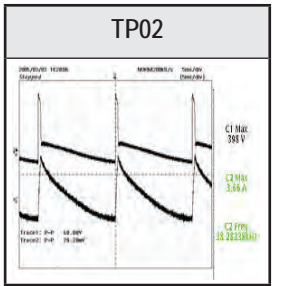
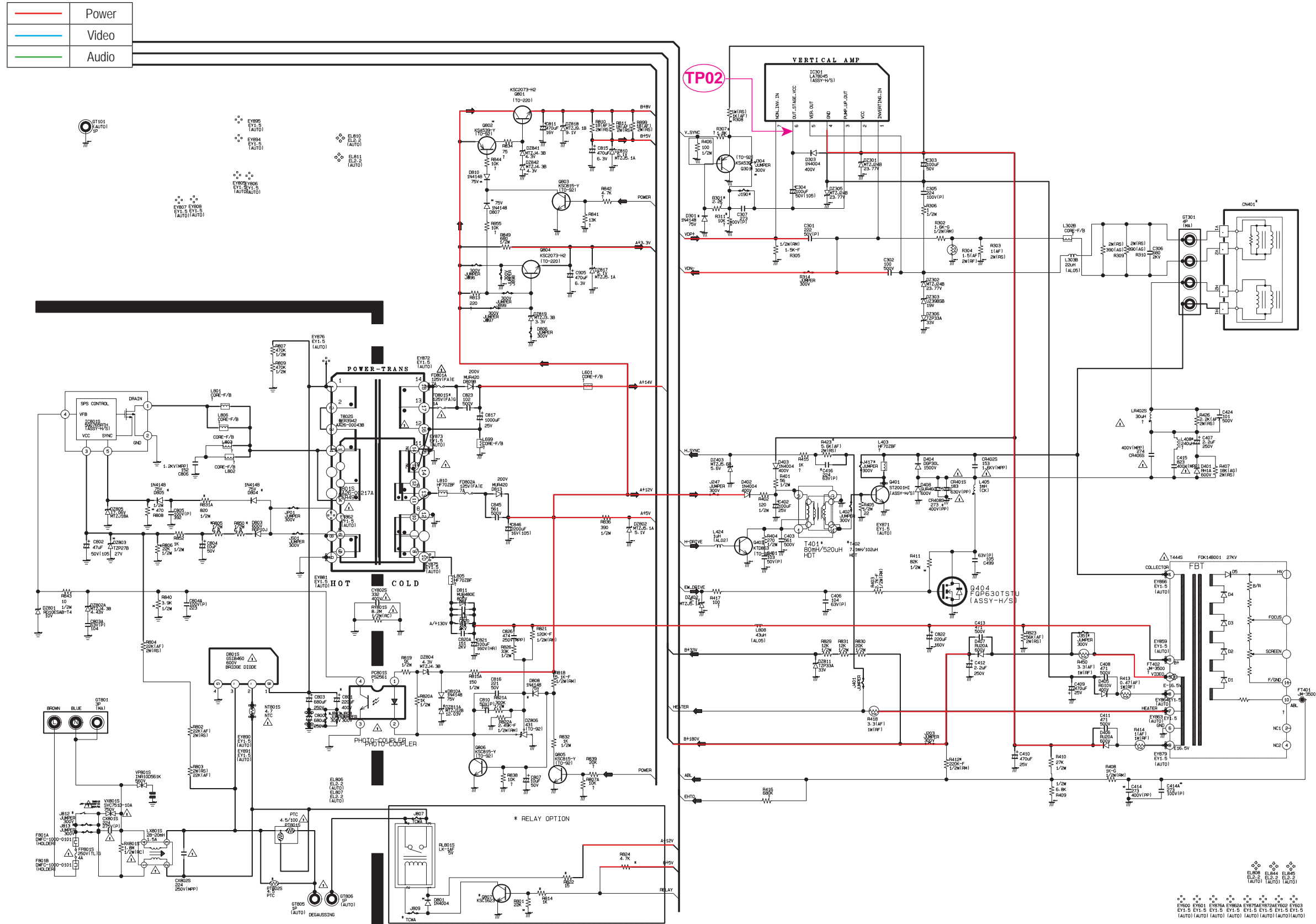
7-2-2 Sound

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<div></div>	Power
<div></div>	Video
<div></div>	Audio



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