

harman/kardon®
Power for the Digital Revolution.®

AVR 635

AUDIO/VIDEO RECEIVER
SERVICE MANUAL



Technical Specifications

Audio Section

Stereo Mode

Continuous Average Power (FTC)

90 Watts per channel, 20Hz–20kHz,
@ < 0.07% THD, both channels driven into 8 ohms

5/7 Channel Surround Modes

Power Per Individual Channel

Front L&R channels:
75 Watts per channel,
@ < 0.07% THD, 20Hz–20kHz into 8 ohms

Center channel:
75 Watts, @ < 0.07% THD, 20Hz–20kHz into 8 ohms

Surround (L & R Side, L & R Back) channels:
75 Watts per channel,
@ < 0.07% THD, 20Hz–20kHz into 8 ohms

Input Sensitivity/Impedance

Linear (High Level) 200mV/47kohms

Signal-to-Noise Ratio (IHF-A) 95dB

Surround System Adjacent Channel Separation

Analog Decoding 40dB
(Pro Logic, etc.)

Dolby Digital (AC-3) 55dB
DTS 55dB

Frequency Response

@ 1W (+0dB, -3dB) 10Hz– 130kHz

High Instantaneous

Current Capability (HCC) ±50 Amps

Transient Intermodulation

Distortion (TIM) Unmeasurable

Rise Time 16 µsec

Slew Rate 40V/µsec**

FM Tuner Section

Frequency Range	87.5–108MHz
Usable Sensitivity	IHF 1.3 µV/13.2dBf
Signal-to-Noise Ratio	Mono/Stereo: 70/68dB (DIN)
Distortion	Mono/Stereo: 0.15/0.2%
Stereo Separation	40dB @ 1kHz
Selectivity	±400kHz: 70dB
Image Rejection	80dB
IF Rejection	90dB

AM Tuner Section

Frequency Range	520–1710kHz
Signal-to-Noise Ratio	45dB
Usable Sensitivity	Loop: 500µV
Distortion	1kHz, 50% Mod: 0.8%
Selectivity	±10kHz: 30dB

Video Section

Video Format	PAL/NTSC
Input Level/Impedance	1Vp-p/75 ohms
Output Level/Impedance	1Vp-p/75 ohms
Video Frequency Response (Composite and S-Video)	10Hz–8MHz (-3dB)
Video Frequency Response (Component)	10Hz-50MHz (-3dB)

General

Power Requirement	AC 220-240V/50Hz
Power Consumption	59W idle, 1040W maximum (7 channels driven)

Dimensions (Max)

Width	440mm
Height	165mm
Depth	435mm
Weight	18.6 kg

Depth measurement includes knobs, buttons and terminal connections.

Height measurement includes feet and chassis.

All features and specifications are subject to change without notice.

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|||||EzSet/EQ™ is a trademark of Harman International Industries, Inc. (Patent No. 5,386,478).

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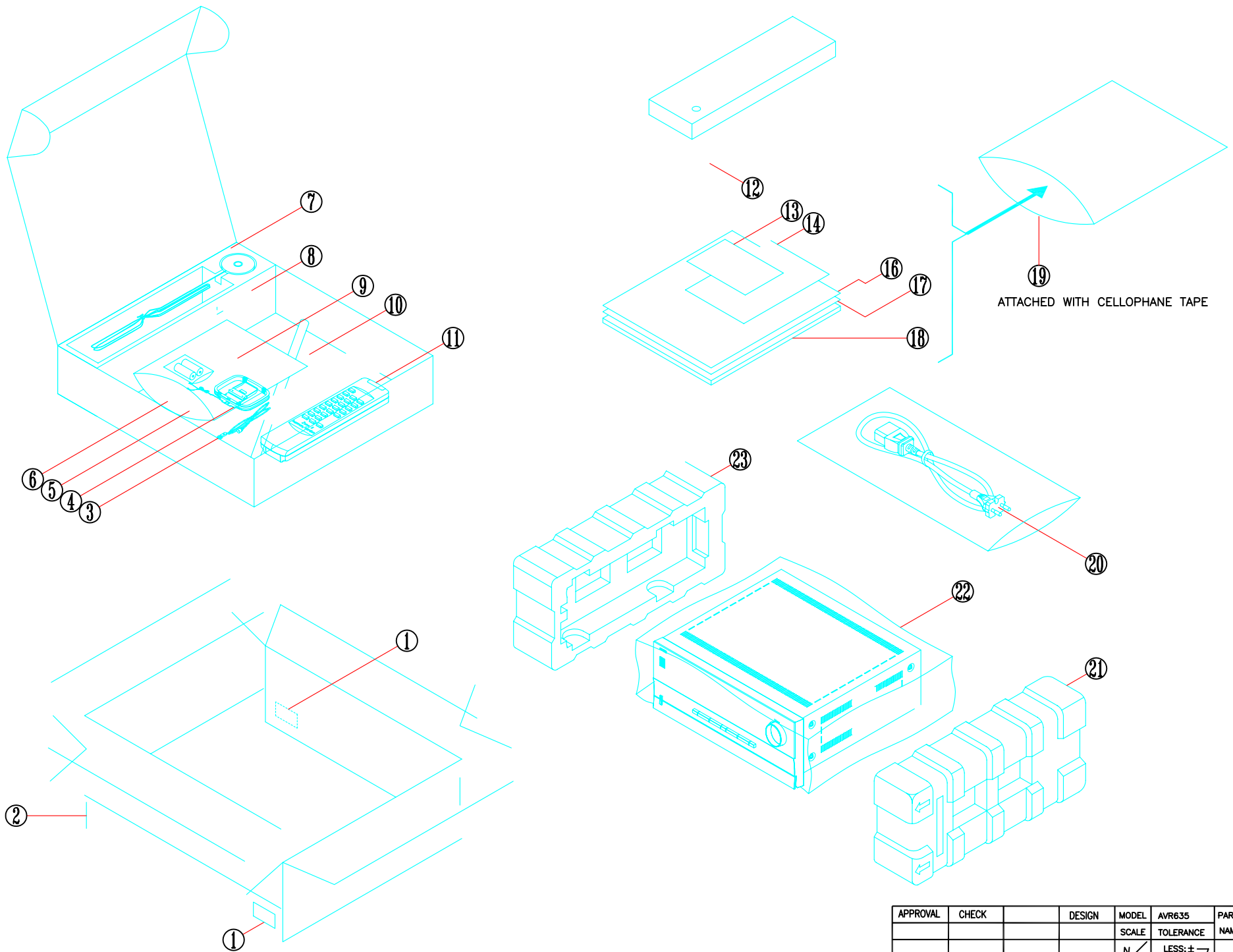
**Without input anti slewing and output isolation networks.

Supplied Accessories

The following accessory items are supplied with the AVR 635.

If any of these items are missing, please contact Harman Kardon customer service at www.harmankardon.com.

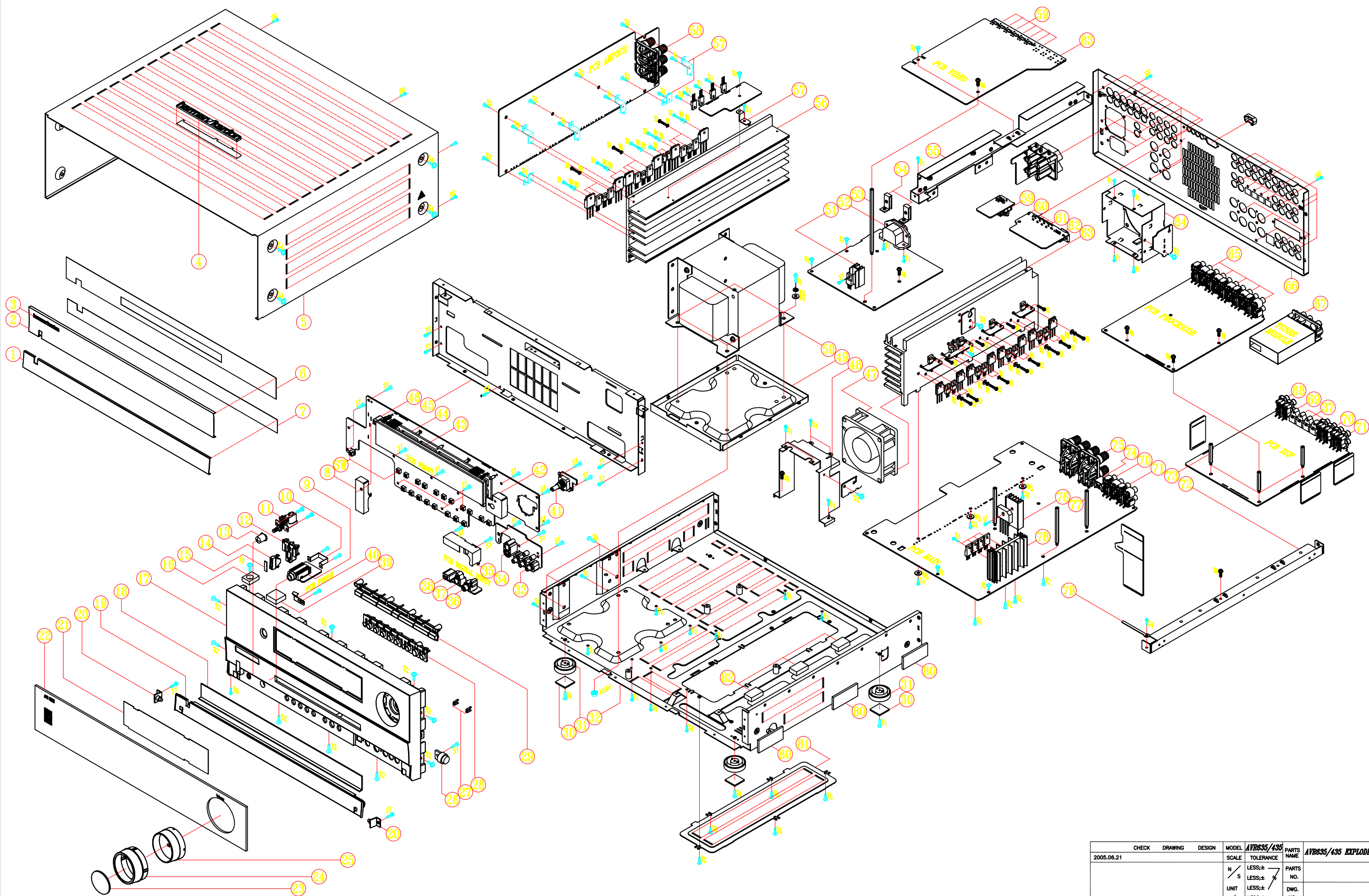
- A system remote control
- A Zone II remote control
- An |||||EzSet/EQ™ microphone
- Extender rod for microphone
- An AM loop antenna
- An FM wire antenna
- Six AAA batteries



APPROVAL	CHECK	DESIGN	MODEL	AVR635	PARTS	PACKING DRAWING AVR635/435 EU
			SCALE	TOLERANCE	NAME	
			N	LESS; ±	MODEL	
			S	LESS; ±		
			UNIT	LESS; ±	NO.	
			m/m	LESS;		

NO	AVR635	DESCRIPTION	Q'TY
1	ZKD2173HA00	LABEL BARCODE AVR635 EU	2
2	ZKD2104HA00	BOX CARTON AVR635 EU	1
3	H03-WAD01200303	ANTENNA WIRE 75 OHM WIRE CT03-FM 00	1
4	H03-ATALF039ABK	ANTENNA WIRE ANTENNA LOOP CT01-AM	1
5	BTA3A1511SF	BATTERY ALKALINE 1.5V AAA	2
6	ZBP00020350	POLYBAG BATTERY	1
7	ZKD1202HA00	CARTON BOX MIC	1
8	H03-MCD12TWBKNN	AVR635 MICROPHONE ASSY	1
9	ZBP00161851	BAG PE 160X180MM	1
10	H03-ZPD1212INBK	MICROPHONE ASSY EXTENSION PIECE	1
11	H03-RYC1202HA00	REMOCON ZONE 2	1
12	H03-RYD2101HA0	REMOCON AVR635 EU	1
13	ZKC1113HA00	CARD WARRANTY	1
14	ZKC1263HA00	INSERT RS232 NOTE PAPER	1
15			1
16	ZKC1214HA00	LABEL SAFETY LEAFLET	1
17	H03-ZKEUR63HA00	BROCHURE AVR EU	1
18	ZKD2101HA00	MANUAL AVR635 EU	1
19	ZBP00122051	BAG PE 330 X 245 T0.05	1
20	H03-WAD022000BK	POWER CORD H05VVF 0.75MMSQ 2G BLACK 2000MM	1
21	ZQD1201HAWH	CUSHION POLY EPS RIGHT AVR635	1
22	ZHC1201AAWH	FILM SHEET PE 920 X 1000 0.3~0.7T	1
23	ZQD1202HAWH	CUSHION POLY EPS LEFT AVR635	1

MRK	DATE	PNO	REVISION RECORD	DR.	MAK	DATE	PNO	REVISION RECORD	DR.
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Rev.NO.2

CHECK	DRAWING	DESIGN	MODEL	SCALE	TOLERANCE	PARTS NAME	PARTS NO.	DWG. NO.	REV.
2005.06.21			AVR635/435			AVR635/435 EXPLODED VIEW			
				N/S	LESS:±				
					LESS:±				
				UNIT	LESS:±				
				m/m	LESS:±				

NO	Part number	DESCRIPTION	
1	H03-ZMC11S00200	AL DOOR AVR	1
2	H03-ZMC11S00300	AL PANEL AVR	1
3	H03-ZMC12S20A00	BADGE AL HARMAN/KARDON SILVER	1
4	H03-ZMGEN00GAGY	AL LOGO BADGE TOP	1
5	H03-ZMC11S08A00	COVER TOP AVR	1
6	H03-ZVC11DWT200	TAPE PANEL	1
7	H03-ZVC11DWT100	TAPE DOOR	1
8	H03-ZMD12S01A00	SHIELD IR	1
9	H03-SOSS9CKX3NN	JACK PHONE 6.35 H70980110S 9P BK	1
10	H03-ZMB01S00100	BKT HEADPHONE JACK	1
11	H03-SWA2B21PDA&	SW PUSH POWER SDDL15700 5A 250V	1
12	ZPC1006GAWH	BUTTON STANDBY	1
13	ZPC1003GAGY	BUTTON POWER	1
14	ZPC1007GAMW	INDICATOR STAND-BY	1
15	H03-ZMC11S12A00	CAP BUTTON STAND-BY	1
16	ZFD122062SB	RUBBER TOP 20X15X6.2t	1
17	ZPD1201GAGY	PANEL FRONT	1
18	H03-ZMC11S14A00	BKT DOOR	1
19	ZPC1002GAGY	DOOR AVR	1
20	H03-ZMD05S16A00	BKT HINGE	2
21	H03-ZPC1018GART	FILTER VFD	1
22	H03-ZPD1219GABT	WINDOW DISPLAY AVR635+BADGE NAME	1
23	H03-ZPD0317GACR	CAP KNOB VOLUME	1
24	H03-ZPD0316GASG	COVER KNOB	1
25	H03-ZPD0315GAMW	VOLUMN KNOB	1
26	H03-ZVC11GEAR01	DAMPER GEAR DP120	1
27	ZPC1102GAMW	INDICATOR VIDEO 4	2
28	ZPC1005GAGY	BUTTON 8 KEY	1
29	H03-ZPC1004GASG	BUTTON 7 KEY	1
30	ZFNR19720SB	RUBBER FOOT 19.7X19.7X2T BK	4
31	ZPC1103GAGY	FOOT 50MM 15.8MM	4
32	H03-ZMC11S13A00	CH MAIN	1
33	H03-SORA3313PNN	JACK RCA 3P YWR	1
34	H03-SORA8OSC5N8	JACK S-VIDEO 1P C40160261N	1
35	H03-ZMC12S17A00	SHIELD DIGITAL	1
36	H03-SORA1JE01NN	JACK RCA 1P JE010003MN GND OR	1
37	H03-SOTOR179LBA	D-LEM TORX-179L	4
38	H03-SO3P5179NNN	JACK PHONE 3.5PI PJ0435179N	1
39	ZFD122072SB	RUBBER TOP 20X20X7.2t	1
40	H03-ZMC11S06A00	SPRING STOPPER	1
41	H03-SWE3A0505S1	SW ROT EC16B24204 5V 500U0A 10T 3P 0 0	1
42	H03-ZMD12S01B00	SHIELD MICROPHONE	1
43	H03-VDHCA18LL03	FL HCA-18LL03	1
44	ZPC1017GABK	HOLDER VFD	1
45	H03-ZMC11S07A00	CH FRONT	1
46	ZFNR1SENSOR	RUBBER SENSOR	1
47	H03-ZVC11FAN100	FAN JF0925S1L	1
48	H03-ZMC11S09A00	BKT FAN FRONT	1
49	H03-ZMC12S08B00	BKT TRANS BOTTOM	1
50	H03-TXPWMSD21A0	POWER TRANSFORMER	1
51	H03-ZMC12HS0100	HEATSINK 17*15*30	1
52	H03-SOPA20019BK	AC OUTLET	1
53	ZMC12S15AYE	STANDOFF HEX M4X0.7 6X111.2H	1
54	H03-ZMC12S19A00	BKT AC INLET	2
55	H03-ZMD12S04B00	BKT FRAME GUIDE	1
56	H03-ZMD12HS0100	HEATSINK H/SINK AMP	1
57	H03-ZMC12S09A00	BKT HEATSINK	7
58	H03-SOPA8SH0612	JACK SPEAKER 6P SH0612707P	1
59	H03-SORA11Y00NN	JACK RCA+S VIDEO C5016031DN	7
60	H03-ZMC12S16A00	BKT GROUND	1

NO	Part number	DESCRIPTION	
61	H03-SOJW2350SNN	JACK PHONE 3.6 EP-1401A 1P BK	4
62	SOPA96063NN	JACK D-SUB 9P 87204-6063 W/DUST COVER BK	1
63	H03-ZMC11HS0200	H/SINK MAIN	1
64	H03-ZMC11S10A00	BKT FAN REAR	1
65	H03-SORA40GNDNN	JACK RCA 4P JB040131PN WWRR	5
66	H03-ZMD21S02A00	PANEL REAR	1
67	H03-ZVC11TUNE01	TUNER MODULE KST-MB011MW0-81 US	1
68	H03-SOJB04013HN	JACK RCA 4P OR ,OR, OR, OR JB040131HN	1
69	H03-SOTOT179LBA	D-LEM TOTX-179L	1
70	H03-SORA40RSANN	JACK RCA 4P JB040131ZN GN BN PP TA	2
71	H03-SORA40RSCNN	JACK RCA 4P JB040131QN WH BU RD GY	2
72	H03-ZMC11S04B00	BKT FRAME GUIDE	1
73	ZMC12S13AYE	STANDOFF HEX M4X0.7 6X31.9H	3
74	SO0A18P8CNN	JACK-TELE SNAP-IN GOLDEN TELECOM GDL1-8P8C 8T BK 0 0	1
75	H03-SOPA81900NN	TERMINAL SPKR 8P SH081136JP FE 19MM 8 -- 0 0	1
76	H03-ZMC11HS0400	HEATSINK DIODE 47X26X12 AVR630 -- ME	1
77	ZMC12S14AYE	STANDOFF HEX M4X0.7 6X61.9H	3
78	H03-ZMD11HS0400	HEATSINK REG. TR 68X20X50	1
79	ZMC1221AA00	CLAMP WIRE-FIX UL 55212250	1
80	ZFNR13830SB	RUBBER SIDE 50X22X3t	6
81	H03-ZMC12S07A00	COVER BOTTOM	1
82	ZUC1201AABK	SPONGE 30X30X10T BK	3
83	H03-SOR12BJ12NN	JACK RCA 12P BJ120154JN	1
SW	H03-SWC2A112FS1	SWITACT TACT SKQNADD010 12V 50MA	20
	H03-ZMB01S02200	SPRING PLATE GND C5212 0.2T	8

N1	ZNSSM4045HZ	NUT M4 HEXAGON CIRCULAR EXTERNAL	4
S1	ZSTBM3010BB	SCREW ST BH 3X10	64
S2	ZSTWM3008BY	SCREW ST WPH 3X8	49
S3	ZSMCM4010BB	SCREW BM 4X10	4
S4	ZSTWM4008BC	SCREW ST WPH 4X8 SILVER CHROM	12
S5	ZSTWM3006BB	SCREW ST WPH 3X6	7
S7	ZSTBM3012BY	SCREW ST BH 3X12 PIVOT	36
S8	ZSMCM4008BY	SCREW BM 4X8	5
SG	ZSTGM3010BB	SCREW ST BH 3X10 GROUND	50

W1	ZWM623108SZ	WASHER SPRING 3	39
W2	ZWM803305PZ	WASHER PLAIN 3	20
W3	ZWM763109SZ	WASHER SPRING 4	4
W4	ZWMC04810PZ	WASHER PLAIN 4	4

FRONT BOARD

Part Number	Description	Usage	Position No
3SA-4121EU-FCMI-1-8	IMA FRONT BD AVR635EU	1	
CCZID0104NA-2	CC 100N0F +80% -20% 50.0V F	1	C128
CEHEC02275E-9	CE 220UF +20% 10.0V D6.3XL11 P5MM 85C	1	C517
CEHFC01075E-1	CE 100UF +20% 16.0V D5XL11 P5MM 85C	1	C610
CEHFC01075E-1	CE 100UF +20% 16.0V D5XL11 P5MM 85C	1	C127
CEMIC01045E-1	CAP ELEC 0.1uF 50v M 5x11 SHL P5MM	1	C9
CPKCO473NN-0	CPF 47N0F +10% 100.0V	1	C601
CZDII0100CE-7	CAP CERAMIC/CHIP 10PF 50V CH D N 0805	3	C701 704 706
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NPO 0603	9	C120 121 122 400 401 403 404 717 900
CZJII0101CE-1	CAP CERAMIC/CHIP 100PF 50V CH J NPO 0805	1	C702
CZJII0122CC-8	CAP CHIP 1n2F 50V SL J X7R 0805	3	C703 705 707
CZJII0821CE-0	CAP CHIP 820pF 50V SL J NPO 0805	2	C300 301
CZKII0104CC-2	CAP CHIP 100NF 50.0V X7R K 0805	1	C709
CZKII0221BA-3	CAP CHIP 220PF 50V K SL 0603	2	C505 506
CZKII0223BC-6	CAP CHIP 22N0F +10% -10% 50.0V X7R 0603	2	C201 211
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	8	C1 4 102 124 521 606 611 622
CZZII0104CF-8	CAP CHIP 100N0F +80% -20% 50.0V Y5V 0805	1	C411
H03-CEMFC01062R-8	CAP ELEC 10UF 16V M 3.5X5 SRE P2.5MM	2	C503 504
H03-CEMGC04762R-6	CAP ELEC 47UF 25V M 6.3X5 SRE P2.5MM	3	C501 502 708
H03-CEMGC0476AH-0	CAP ELEC 47uF 25v M 5x11 SHL P5MM	2	C101 718
H03-CEMIC0334AH-A	CAP ELEC 0.33UF M 5X11 SHL 50V SAMYOUNG P5MM	3	C602 603 604
H03-CFHKA0473NN-9	CAP POLYESTER METAL 47NF 100V 20% CPM	2	C125 126
H03-DG1N04148NB-A	D-SLP 1N4148 100.0V 150E-3A	2	D101 301
H03-DL30B0215AA-5	D-LEM 30B3-20-15 GaN SUPER BLUE WATER CLEAR 15	4	D853 854 855 856
H03-DL3BA05V0BA-8	D-LEM BLUE/AMBER 3PIE RD RND CL L-3VYMBBC	1	D831
H03-DLRED3FRDBA-0	D-LEM RED/GREEN 3F RD RND CL	2	D800 801
H03-DPLP200LNNN-2	PIN PHOTODIODE LP-200L	1	RM72
H03-DS1S50094NB-5	D-SLP 1SS355 35.0V 225M10A	13	D1 2 401 411 412 606 607 651 652 653 701 702 715
H03-DSUDZ05V1NB-A	DIODE ZENER UDZ5.1B 5.1V 200MI0W	1	D110
H03-FB2K52012NN-0	FBEAD SURFACE MT 2500OHM FCM2012H-252T02	4	L600 601 602 603
H03-FB3012012CN-8	FBEAD SURFACE MT FCM2012C-301T04 0805	1	BD11
H03-IC74HC4094D-1	IC CD74HC4094D(R-PDSO-G16) SOP16	1	IC101
H03-ICLM02068D2-5	IC-OPERAMP NJM2068M-TE1 DUAL SOP8	1	IC50
H03-ICMAX322316-7	IC RS-232 LINE DIRVER MAX3223CDWR SOIC16P	1	IC61
H03-ICPC17T10B1-8	IC PHOTOCOUPLER PC-17T1 DIP4 KODENSHI	2	IC651 652
H03-ICRPM6938NN-9	IC-REMOTE RPM6938-RSIP-A3 RECEIVER 38KHZ	1	RM71
H03-LAINB0470CR-8	LF 47U0H +10% 5.8 OHM 500M10A	2	L1 121
H03-LAINB047ACR-9	LF 4U7H +10% 1.7 OHM 190.0A	1	L120
H03-RLTX25VNAIS-2	RELAY TX2-5V STANDARD PC BOARD TERMINAL	1	SK40
H03-RLV23079A10-6	RELAY V23079-A1001	1	SK40
H03-SOJW2350SNN-5	JACK PHONE 3.6 EP-1401A 1P BK	4	NJ611 612 613 614
H03-SORA3313PNN-9	CON PHONO SCKT RCA-313P 3 PINS	1	NJ20
H03-SORA8OSC5N8-8	JACK S-VIDEO 1P C40160261N	1	NJ21
H03-SOSS9CKX3NN-4	JACK PHONE 6.35 H70980110S 9P BK	1	NJ88
H03-SWC2A112FS1-3	SWITACT VERTICAL SKQNADD010 12V 50MA	20	S201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220
H03-SWE3A0505S1-4	SWIROT EC16B24204 5V 500U0A 10T 3P 0 0	1	VR100
H03-TRDTA114YNI-4	TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM	4	Q824 831 832 833
H03-TRDTC114YNI-0	TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM	7	Q401 800 801 802 803 820 822
H03-TRKTA107MNA-2	TR-SLPSWA KRA107M P	2	Q651 652
H03-TRKTA1504ND-2	TRANSISTOR PNP KTA1504Y(S)SOT-23	3	Q703 704 705
H03-TRKTC3875ND-A	TRANSISTOR NPN KTC3875S SOT23	2	Q701 702
H03-TRMPSA06NNA-A	TR-SLPLF MPSA06 N 500M10A TO-92	1	Q821
H03-TRMPSA56YNA-0	TR-SLPLF MPSA56 Y P -500M10A -300V	1	Q823
H03-VDHCA18LL03-2	FL HCA-18LL03	1	DP1
H03-WG03AB80900-8	WIRECONASY DL 2.0MM 03P 90MM ANG-DOWN UL1007	1	N201
H03-WG07SB82000-A	WIRE ASS'Y UL1007#26STR 200mm 2.0mm 7P WHT	1	N203
H03-WG08SD84000-7	WIRE ASS'Y UL1007#24 STR 400mm 2.5mm 8P WHT	1	N202
H03-WN06SB01000-4	CNT PLUG BD'BD PLUG 2.0mm 35336-0610 6P	1	P604
H03-WN07AB00000-3	CONNECT 2.0MM 7P GIL-S-07P-S2L2-EF	1	P222
H03-WN09AB00000-8	CONNECT 2.0MM 9P GIL-S-09P-S2L2-EF	1	P260
H03-WN11AB00000-6	CONN 2.0MM 11 MA R NAT SOCKET MOLEX 35237-1110 0 0	1	P234
H03-WN11SB00000-3	CONN 2.0MM 11P MA ST NAT MOLEX 35336-1110 0 0	1	P233
H03-WN15AI00001-2	CONNECT GF120-15S-LS 1.25mm 15P	1	P201
H03-WN19AB00000-4	CONN 2.0MM 19 MA R NAT SOCKET MOLEX 35237-1910 0 0	1	N602
H03-WN19SB00000-1	CONN 2.0MM 19 MA ST NAT MOLEX 35336-1910 0 0	2	P602 603
H03-WN27AI00000-A	CONNECT 1.25mm 27P GF120-27S-LS	1	P211
H03-WS4261005FN-3	WIRE ASS'Y UL2547/1007#26 100MM 4P 2.0MM WHT	1	N204

FRONT BOARD

Part Number	Description	Usage	Position No
H03-WS4264822EN-A	WIRECONASY DL 2.0MM 04P 480MM UL1533 SHIELD 26 1 2/2	1	N220
H03-WS4265913FN-0	CNT ASSY 2.0MM 4P 590MM SHIELD 26AWG UL2547 1/3	1	N240
H03-WS6265105EN-8	WIRECONASY DL 2.0MM 6P 510MM UL1533 SHIELD 26 1	1	N221
H03-WS7260805EN-6	WIRE ASS'Y UL1533/1007#26 80MM 2.0MM 7P WHT SHILED	1	N222
H03-ZMB01S02200-4	SPRING PLATE GND C5212 0.2T	6	S1 2 4 5 6 7
H03-ZMC12S16A00-5	BKT GROUND	1	SH12
H03-ZMD12S01A00-9	SHIELD IR	1	SH11
H03-ZMD12S01B00-0	SHIELD MICROPHONE	1	SH22
PBD11KFCI20-6	PCB SINGLE AVR435/635 FRONT PCB 400x163x1.6t FR-1 1OZ	1	
RC3DI0101IN-0	RCF 100R0 OHM +5% 250MI0W	5	R105 122 123 501 502
RC3DI0102IN-9	RCF 1K0 OHM +5% 250MI0W	1	R104
RC3DI0103IN-7	RCF 10K0 OHM +5% 250MI0W	3	R111 112 113
RC3DI0104IN-5	RCF 100K0 OHM +5% 250MI0W	1	R658
RC3DI0151IN-7	RCF 150 OHM 5% 1/4W	1	R831
RC3DI0182IN-7	RCF 1K8 OHM 5% 1/4W	1	R518
RC3DI0201IN-7	RCF 200R0 OHM +5% 250MI0W	2	R801 803
RC3DI022AIN-2	RCF 2R2 OHM +5% 250MI0W	2	R1 2
RC3DI0271IN-8	RCF 270R0 OHM +5% 250MI0W	2	R800 802
RC3DI0331IN-5	RCF 330R0 OHM +5% 250MI0W	1	R832
RC3DI0471IN-0	RCF 470R0 OHM +5% 250MI0W	3	R120 121 659
RC3DI0561IN-A	RCF 560R0 OHM +5% 250MI0W	2	R851 852
RS3AD0000NA-0	RES CHIP 0 OHM +0% 62MI5W 0603	10	R841 842 843 844 C605 612 D602 603 604 605
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	1	R746
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	8	R101 102 103 201 211 503 515 824
RS3AD0103NA-1	RES CHIP 10K0 OHM +5% 62MI5W 0603	2	R505 822
RS3AD0104NA-A	RES CHIP 100K0 OHM +5% 62MI5W 0603	1	R516
RS3AD0122NA-8	RES CHIP 1K2 OHM +5% 62MI5W 0603	2	R202 212
RS3AD0152NA-A	RES CHIP 1K5 OHM +5% 62MI5W 0603	2	R203 213
RS3AD0183NA-A	RES CHIP 18K0 OHM +5% 62MI5W 0603	2	R209 219
RS3AD0221NA-6	RES CHIP 220R0 OHM +5% 62MI5W 0603	1	R823
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	4	R204 214 510 519
RS3AD0271NA-2	RES CHIP 270R0 OHM +5% 62MI5W 0603	1	R652
RS3AD0272NA-0	RES CHIP 2K7 OHM +5% 62MI5W 0603	2	R205 215
RS3AD0332NA-8	RES CHIP 3K3 OHM +5% 62MI5W 0603	3	R206 216 506
RS3AD0392NA-1	RES CHIP 3K9 OHM +5% 62MI5W 0603	1	R657
RS3AD0470NA-7	RES CHIP 47R0 OHM +5% 62MI5W 0603	2	R655 656
RS3AD0471NA-5	RES CHIP 470R0 OHM +5% 62MI5W 0603	1	R651
RS3AD0472NA-3	RES CHIP 4K7 OHM +5% 1/16W 0603	4	R509 600 601 602
RS3AD0473NA-1	RES CHIP 47K0 OHM +5% 62MI5W 0603	3	R520 653 654
RS3AD0562NA-2	RES CHIP 5K6 OHM +5% 62MI5W 0603	2	R207 217
RS3AD0563NA-0	RES CHIP, 56K 1/16W +/-5%, 0603.	1	R821
RS3AD0683NA-1	RES CHIP 68K0 OHM +5% 62MI5W 0603	2	R301 302
RS3AD0822NA-2	RES CHIP 8K2 OHM +5% 62MI5W 0603	2	R208 218
RS3AD0911NA-3	RES CHIP 910 OHM +5% 62MI5W 0603	1	R508
RS3BB0103NA-6	RES,CHIP,10K 1/10W +/-5%,0805	4	R702 704 709 710
RS3BB0105NA-2	RES,CHIP,1M 1/10W +/-5%,0805	2	R706 707
RS3BB0221NA-0	RES,CHIP,220R 1/10W +/-5%,0805	2	R712 713
RS3BB0272NA-5	RES,CHIP,2.7K 1/10W +/-5%,0805	1	R703
RS3BB0471NA-A	RES, CHIP 470 OHM 1/10W +/-5%, 0805	1	R714
RS3BB0511NA-2	RES,CHIP,510 1/10W +/-5%,0805	1	R708
RS3BB0564NA-3	RES,CHIP,560K OHM,1/10W +/-5%,0805	1	R705
RS3BB0683NA-6	RES,CHIP,68K 1/10W +/-5%,0805	1	R701
RS3CB0102NN-8	RES,CHIP,1K,1/8W,+/-5%,0805	2	R711 715
SOPA96063NN-0	JACK D-SUB 9P 87204-6063 W/DUST COVER BK	1	NJ60
ZFNR1SENSOR-0	RUBBER SENSOR	1	

DSP BOARD

Part Number	Description	Usage	Position No
3SA-4212EU-DGMI-1-7	IMA DSP BD AVR635EU	1	
CCKIC0272NC-4	CAPACITOR CERAMIC 2N7F 50V K X7R TAP	16	C416 417 418 419 429 430 438 439 450 460 470 471 481 482 483 484
CCKIC0471NC-9	CAP CERAMIC 470PF 50V K X7R TAP	4	C411 431 432 433
CCKIC0561NC-8	CAP CERAMIC 560PF 50V K X7R TAP	12	C412 415 434 435 454 458 475 476 487 488 489 495
CEHDC0108NN-3	CE 1MI0F +20% 6.3V 8X11.5 85C ELITE P5MM	3	C823 824 825
CEHEC0477MN-A	CE 470U0F +20% 10.0V 6.3X11 85C ELITE P5MM	2	C601 959
CEHFC01062S-0	CE 10UF +20% 16V D4XL7 P2.5MM 2000hours 85C	35	C400 401 402 403 421 422 423 424 425 426 427 428 436 440 441 451 453 456 457 459 461 462 464 465 496 497 519 520 521 530 629 631 633 635 902

DSP BOARD

Part Number	Description	Usage	Position No
CEHFC01072S-9	CE 100UF +20% 16V D6.3XL7 P2.5MM 2000hours 85C	8	C264 508 515 623 821 822 904 912
CEHFC04762S-0	CE 47UF +20% 16V D5XL7 P2.5MM 2000hours 85C	1	C514
CEHIC01042S-5	CE 100NF +20% 50V SSE TYPE D4XL7 P2.5MM 85C	1	C525
CEHIC01055E-6	CE 1UF +20% 50V D5XL11 P5MM 85C	1	C625
CEHIC04755E-6	CE 4U7F +20% 50.0V 85C P5MM	1	C958
CEMFC01072E-8	CE 100UF 16V +/-20% 5X11 P2.5MM ELIET	7	C258 259 265 267 527 744 745
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	21	C501 502 504 505 506 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	7	C253 254 255 256 510 542 543
CZJII0102CC-3	CAP CHIP 1nF 50V X7R J 0805	1	C621
CZJII0220BE-5	CCCFMIC 22P0F +5% -5% 50.0V NP0 0603	4	C700 702 720 743
CZJII0470BE-4	CAP CHIP 47P0F +5% -5% 50.0V NP0 0603	2	C444 492
CZJII0470BE-4	CAP CHIP 47P0F +5% -5% 50.0V NP0 0603	4	C443 491 541 544
CZKII0102BC-7	CAP CHIP 1N0F +10% -10% 50.0V X7R 0603	3	C251 252 646
CZKII0103BC-5	CAP CHIP 10N0F +10% -10% 50.0V X7R 0603	8	C604 647 648 701 703 706 717 603
CZKII0103BC-5	CAP CHIP 10N0F +10% -10% 50.0V X7R 0603	1	C645
CZKII0223CC-5	CAP CHIP 22NF 50V B K X7R 0805	1	C602
CZKII0561BC-8	CAP CHIP 560P0F +10% -10% 50.0V X7R 0603	2	C466 467
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	52	C257 263 292 469 503 507 513 516 517 518 522 528 614 615 622 624 628 630 632 634 705 708 710 714 721 817 818 903 910 913 922 925 926 927 929 930 945 946 947 960 961 980 981 982 984 985 986 987 988 989 990 991
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	51	C260 261 413 414 447 448 449 455 468 490 493 509 526 723 742 901 918 919 920 921 928 948 949 950 951 952 953 954 955 956 957 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 983 992 620
CZZII0104CF-8	CAP CHIP 100N0F +80% -20% 50.0V Y5V 0805	1	C619
CZZII0104CF-8	CAP CHIP 100N0F +80% -20% 50.0V Y5V 0805	1	C627
H03-CEZXA0479MN-0	CM 47MIOF +80%-20% 5.5V 70C SCDA5R5473V	1	C557
H03-DS1S50094NB-5	D-SLP 1SS355 35.0V 225MIOA	6	D503 504 505 507 700 851
H03-DS1S50094NB-5	D-SLP 1SS355 35.0V 225MIOA	4	D501 502 506 508
H03-FB2K52012NN-0	FBEAD SURFACE MT 2500OHM FCM2012H-252T02	7	L504 604 610 700 901 904 905
H03-FB2K52012NN-0	FBEAD SURFACE MT 2500OHM FCM2012H-252T02	1	L903
H03-FB3012012CN-8	FBEAD SURFACE MT FCM2012C-301T04 0805	5	L601 602 605 606 607
H03-FB3012012CN-8	FBEAD SURFACE MT FCM2012C-301T04 0805	1	L508
H03-FYACF333TNN-A	FILTER ACF451832-333-T	1	E901
H03-IC24LC256D2-3	IC CMOS SERIAL EEPROM 24LC256T-I/SN SOIC-8P(150MIL)	1	IC503
H03-IC74HC4094D-1	IC CD74HC4094D(R-PDSO-G16) SOP16	1	IC502
H03-IC74LV1G125-9	IC SN74LVC1G125DVB SOT23	1	IC608
H03-IC74LV1G125-9	IC SN74LVC1G125DVB SOT23	3	IC505 506 607
H03-IC74VC244G5-1	IC-LOGIC 74VHC244A INVERTER CMOS	1	IC504
H03-ICAT49BV162-8	IC FLASH MEMORY AT49BV162AT-70T1 48T	1	IC902
H03-ICCS42518E6-8	IC LOGIC CS42518CQ QFP64	1	IC606
H03-ICD703033E1-0	IC-MICOM FLASH NEC UPD70F3033BGF QFP100	1	IC501
H03-ICK4S1616M6-4	IC-SDRAM K4S161622H-TC60 OR TC80	1	IC903
H03-ICKA78R08I2-A	IC-KIA78R08API TO-220IS-4PIN	1	IC507
H03-ICLM02068D2-5	IC-OPERAMP NJM2068M-TE1 DUAL SOP8	7	IC251 252 401 402 403 404 406
H03-ICM317T0252-1	IC 3-TERMINAL POS VOL REG NJM317DL1 TO-252	1	IC904
H03-ICPC17T10B1-8	IC PHOTOCOUPLER PC-17T1 DIP4 KODENSHI	1	IC851
H03-ICSN74HCU04-6	IC SN74HCU04D	2	IC704 705
H03-ICTMS320DA6-0	IC FLOATING-POINT DSP TMS320D610A PQFP208	1	IC901
H03-LAINB0470CR-8	LF 47U0H +10% 5.8 OHM 500MIOA	4	L702 703 704 705
H03-LAINB047ACR-9	LF 4U7H +10% 1.7 OHM 190.0A	1	L501
H03-LF11030A2NA-A	TFPULSE TRANSFORMER 110UH FP-110 FERRIT MAGNET	2	T700 701
H03-OSCEM24M5RU-5	VCXO 24M576 HZ +50 PPM -50 PPM 0 OHM 3.3V	1	Y600
H03-OSCN120MOCU-1	CSTLS20MOX51-B0	1	Y500
H03-RLL0516632B-5	RELAYPWR 5.0V 166.0OHM 1.0A 24.0V	1	K700
H03-SOJB04013HN-0	JACK RCA 4P OR ,OR, OR, OR JB040131HN	1	NJ705
H03-SORA40RSANN-1	JACK RCA 4P JB040131ZN GN BN PP TA	1	NJ802
H03-SORA40RSCNN-5	JACK RCA 4P JB040131QN WH BU RD GY	1	NJ801
H03-SOTOR179LBA-6	D-LEM TORX-179L	3	NJ701 702 703
H03-SOTOT179LBA-2	D-LEM TOTX-179L	1	NJ704
H03-TRDTA114YNI-4	TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM	2	Q402 403
H03-TRDTC114YNI-0	TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM	2	Q601 700

DSP BOARD

Part Number	Description	Usage	Position No
H03-TRDTC114YNI-0	TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM	11	Q501 502 503 504 505 506 507 508 509 510 602
H03-TRKTA107MNA-2	TR-SLPSWA KRA107M P	1	Q851
H03-TRKTD1304ND-0	TR-SLPSWA KTD1304 N 20V 300MIOA SOT-23	2	Q400 401
H03-TRMPSA06NNA-A	TR-SLPLF MPSA06 N 500MIOA TO-92	1	Q511
H03-WG01S022018-5	WIRE ASS'Y UL1007#18 220MM 1P BLK TERMINAL	1	N805
H03-WG06SB82800-7	WIRE ASS'Y UL1007#26 STR 280MM 2.0MM 6P WHT	1	N803
H03-WG09SB81000-3	WIRECONASY DL 2.0MM 09P 100MM UL1007 RIBBON 26 1	1	N501
H03-WN05SB00000-6	CONN 2.0MM 5 MA ST NAT GT201-5P-TS	1	N701
H03-WN06AB00001-A	CNT PLUG BD'BD SOCKET 2.0mm 35237-0610 6P	1	N504
H03-WN09SB00000-5	CONN 2.0MM 9 MA ST NAT GT201-9P-TS	1	N506
H03-WN11SB00000-3	CONN 2.0MM 11P MA ST NAT MOLEX 35336-1110 0 0	1	N503
H03-WN19AB00000-4	CONN 2.0MM 19 MA R NAT SOCKET MOLEX 35237-1910 0 0	1	N802
H03-WN19SB00000-1	CONN 2.0MM 19 MA ST NAT MOLEX 35336-1910 0 0	2	N407 801
H03-WN27AI00000-A	CONNECT 1.25mm 27P GF120-27S-LS	1	N502
PBD11KDGB20-5	PCB DUALA VR435/635 DSP 209x170x1.6t FR-4 1OZ	1	
RC3DI010AIN-1	RCF 1R0 OHM +5% 250MIOW	1	R521
RC3DI0154IN-1	RCF 150K0 OHM +5% 250MIOW	1	REWORK
RN3AY0220NA-4	RES NETWORK RCA 22OHM 1/16W 5% CN34JT220	4	U906 908 909 910
RN3AY0220NA-4	RES NETWORK RCA 22OHM 1/16W 5% CN34JT220	5	U902 903 904 905 907
RS3AD0000NA-0	RES CHIP 0 OHM +0% 62MI5W 0603	1	R601
RS3AD0000NA-0	RES CHIP 0 OHM +0% 62MI5W 0603	11	R817 818 819 820 821 822 823 824 901 546 C716
RS3AD0100NA-7	RES CHIP 10R0 OHM +5% 62MI5W 0603	2	R708 719
RS3AD0100NA-7	RES CHIP 10R0 OHM +5% 62MI5W 0603	9	R503 504 505 506 507 508 631 633 634
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	9	R531 607 608 646 711 715 C709 711 722
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	12	R267 268 630 632 645 720 981 982 983 984 985 986
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	11	R528 529 530 532 803 804 807 808 811 815 816
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	17	R466 467 472 473 509 510 511 512 513 514 515 524 525 604 967 968 659
RS3AD0103NA-1	RES CHIP 10K0 OHM +5% 62MI5W 0603	7	R257 258 523 535 536 561 923
RS3AD0103NA-1	RES CHIP 10K0 OHM +5% 62MI5W 0603	13	R254 255 259 260 501 502 519 520 533 551 552 559 969
RS3AD0104NA-A	RES CHIP 100K0 OHM +5% 62MI5W 0603	24	R265 266 414 415 448 449 470 471 480 491 492 499 556 702 706 724 730 801 802 805 806 809 813 814
RS3AD0122NA-8	RES CHIP 1K2 OHM +5% 62MI5W 0603	20	R609 612 405 416 417 418 419 425 426 429 430 431 445 446 464 465 483 484 485 486
RS3AD0151NA-1	RES CHIP 150R0 OHM +5% 62MI5W 0603	5	R132 251 252 253 256
RS3AD0182NA-1	RES CHIP, 1.8K, 1/16W, +/-5%, 0603.	2	R913 914
RS3AD0182NA-1	RES CHIP, 1.8K, 1/16W, +/-5%, 0603.	4	R916 917 918 919
RS3AD0203NA-8	RES CHIP 20K0 OHM +5% 62MI5W 0603	2	R261 264
RS3AD0220NA-8	RES CHIP 22R0 OHM +5% 62MI5W 0603	1	R716
RS3AD0221NA-6	RES CHIP 220R0 OHM +5% 62MI5W 0603	2	R544 629
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	3	R736 738 741
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	3	R553 554 725
RS3AD027ANA-3	RES, CHIP, 2.7, 1/16W, +/-5%, 0603	1	R658
RS3AD0332NA-8	RES CHIP 3K3 OHM +5% 62MI5W 0603	1	R812
RS3AD0392NA-1	RES CHIP 3K9 OHM +5% 62MI5W 0603	5	R853 915 921 922 924
RS3AD0392NA-1	RES CHIP 3K9 OHM +5% 62MI5W 0603	1	R920
RS3AD0432NA-4	RES CHIP 4K3 OHM +5% 62MI5W 0603	17	R262 400 401 402 403 411 412 444 452 459 460 474 475 476 477 478 479
RS3AD0471NA-5	RES CHIP 470R0 OHM +5% 62MI5W 0603	1	R852
RS3AD0471NA-5	RES CHIP 470R0 OHM +5% 62MI5W 0603	3	R541 542 543
RS3AD0472NA-3	RES CHIP 4K7 OHM +5% 1/16W 0603	2	R518 851
RS3AD0472NA-3	RES CHIP 4K7 OHM +5% 1/16W 0603	3	R516 517 557
RS3AD0473NA-1	RES CHIP 47K0 OHM +5% 62MI5W 0603	5	R522 555 737 739 740
RS3AD0473NA-1	RES CHIP 47K0 OHM +5% 62MI5W 0603	1	R727
RS3AD0512NA-6	RES CHIP 5K1 OHM +5% 62MI5W 0603	1	R263
RS3AD0561NA-4	RES CHIP 560R0 OHM +5% 62MI5W 0603	13	R439 440 447 454 456 457 489 490 703 704 709 726 743
RS3AD0561NA-4	RES CHIP 560R0 OHM +5% 62MI5W 0603	4	R468 469 721 722
RS3AD0562NA-2	RES CHIP 5K6 OHM +5% 62MI5W 0603	16	R406 427 428 432 433 434 435 438 443 450 453 458 481 482 487 488
RS3AD0621NA-1	RES CHIP 620R0 OHM +5% 62MI5W 0603	1	R710
RS3AD0682NA-3	RES CHIP 6K8 OHM +5% 62MI5W 0603	1	R810
RS3AD0750NA-1	RES CHIP 75R0 OHM +5% 62MI5W 0603	4	R700 701 705 723

DSP BOARD

Part Number	Description	Usage	Position No
RS3BB000NA-5	RES CHIP 0 OHM +5% 100MIOW 0805	1	L706
RS3BB0200NA-8	RES,CHIP,20R 1/10W +/-5%,0805	1	R657
RS3BB0332NA-2	RES,CHIP, 3.3K OHM 1/10W +/-5%, 0805	1	R644

MAIN BOARD

Part Number	Description	Usage	Position No
3SA-4121US-MAMI-1-0	IMA MAIN BD AVR635EU	1	
CCCIC0030NN-4	CAP CERAMIC 3PF 50V C CH TAP	4	C315 316 409 410
CCKIC0181NA-0	CC 180P0F +10% -10% 50.0V Y5P	4	C317 318 411 412
CCKIC0222NA-1	CC 2N2F +10% -10% 50.0V Y5P	4	C329 330 425 426
CCKID0101NA-7	CC 100P0F +10% -10% 50.0V Y5P	17	C101 102 103 104 107 108 109 110 111 112 113 114 115 116 117 118 209
CCKID0271NN-0	CC 270P0F +10% -10% 50.0V 2B4	8	C307 308 313 314 403 404 569 570
CCMFD0103NN-4	CC 10N0F +20% -20% 16.0V Y5S	3	C433 601 602
CCMFD0472NN-6	CC 4N7F +20% -20% 16.0V Y5R	2	C333 434
CCZID0104NA-2	CC 100N0F +80% -20% 50.0V F	5	C119 120 212 214 527
CEHEC02275E-9	CE 220UF +20% 10.0V D6.3XL11 P5MM 85C	4	C331 332 407 408
CEHGC01075E-5	CE 100U0F +20% 25.0V 6.3X11 85C P5MM	8	C206 208 213 309 310 405 406 526
CEHHC0228MN-A	CE 2MI2F +20% 35.0V 85C ELITE	2	C509 510
CEHIA0228MN-4	CE 2MI2F +20% 50.0V 85C ELITE	1	C517
CEHIC01055E-6	CE 1UF +20% 50V D5XL11 P5MM 85C	1	C210
CEHIC01065E-4	CE 10U0F +20% 50.0V 85C P5MM 5X11	7	C301 302 401 402 518 519 521
CEHJA0477MN-9	CE 470U0F +20% 63.0V 85C ELITE	8	C303 304 305 306 421 422 423 424
CEMGC04775E-9	CE 470U0F +/-20% 25.0V 10X13 85C	1	C432
CFIOC0104NN-5	CPM 100N0F +10% 250.0V	3	C501 502 503
CFLJC0683NN-7	CPM 68N0F +5% 63.0V	4	C323 324 430 431
CPIKC0473NN-0	CPF 47N0F +10% 100.0V	6	C506 507 508 516 528 529
H03-CEMIC01065H-1	CAP ELEC 10UF 50V M 5X11 SHL P5MM	1	C429
H03-CEMIC0475AH-3	CE 4.7UF 50V M 5X11 SHL SAMYOUNG P5MM	1	C207
H03-CEMJA0159KA-7	CAP ELEC 15000uF 63V M 35x50 LSW153M1JQ50M	2	C571 572
H03-CEMKC0106AH-9	CAP ELEC 10UF 100V M 6.3X11 SHL	9	C211 319 320 321 322 415 416 413 414
H03-CPKJC0104NN-2	CAP POLY NON METAL 0.1UF 63V K TAP PCMT365 75104	8	C325 326 327 328 417 418 419 420
H03-DG1N04148NB-A	D-SLP 1N4148 100.0V 150E-3A	22	D205 206 301 302 303 304 305 306 307 308 401 402 403 404 405 406 407 408 409 410 411 412
H03-DR1N04004NA-7	D-SR 1N4004 400.0V 1.0A	4	D101 507 508 509
H03-DRBU10040BA-1	D-BRDLC BRIDGE BU10-04	1	D501
H03-DRW204F00BA-5	DIODE BRIDGE W2-04F FRONTIER	2	D502 505
H03-DZMT205V1NB-3	DIODE ZENER MTZ J 5.1B 5.1V 500MW DO-34	1	D207
H03-DZMT212V0NB-6	D-ZENER MTZJ 12.0V 500MIOW	1	D204
H03-FURN2200663-8	FUSE 663 SERIES 0663 002. 250V 2.0A TIMELUG	4	F501 502 505 506
H03-ICKIA7812I2-8	IC-REGPOSFXD KIA7812API NORMAL	1	IC59
H03-ICKIA7824I2-2	IC-REGPOSFXD KIA7824API TO-220IS NORMAL	1	IC54
H03-ICLM02068D2-5	IC-OPERAMP NJM2068M-TE1 DUAL SOP8	1	IC22
H03-ICLM07815BD-6	IC-REGPOSFXD KIA7815API NORMAL	1	IC51
H03-ICLM07915BD-4	IC-REGNEGFXD KIA7915API NORMAL TO-220AB	1	IC52
H03-LCENNNA050NA-7	LFA 1MM 10MM 5 LEFT 0.0MM NONE	4	L301 302 401 402
H03-RI3IC022BEN-3	RW 220MIO OHM +5% 5.0W 100PPM/C -100PPM/C	4	R378 379 471 472
H03-RM3EG0100LN-5	RMF 10R0 OHM +5% 500MIOW	8	R351 352 367 368 445 446 447 448
H03-RM3GC0100CN-2	RESISTOR METAL OXIDE 10R0 OHM +5% 2.0W	1	R505
H03-RM3GC022ACN-3	RESISTOR METAL OXIDE 2R2 OHM +5% 2.0W	1	R514
H03-RM3GC033ACN-2	RESISTOR METAL OXIDE 3R3 OHM +5% 2.0W	3	R504 507 510
H03-RP3NA0101HJ-4	THERMISTOR ASS'Y RP3NA-0101-NZ	1	PO72
H03-RP3NA0101NN-5	POS 100R0 OHM 16.0V	1	PO71
H03-SOPA81900NN-3	CONN-SPE TERMINAL SPKR 8P SH081136JP FE 19MM 8 -- 0 0	1	NJ14
H03-SORA40RSANN-1	JACK RCA 4P JB040131ZN GN BN PP TA	1	NJ12
H03-SORA40RSCNN-5	JACK RCA 4P JB040131QN WH BU RD GY	1	NJ11
H03-TR2SA1145NA-8	TR-SLPLF 2SA1145Y TO-92MOD P -50MIOA -150V	4	Q309 310 411 412
H03-TR2SA1859BC-8	TR-SHPLF 2SA1859A P -2.0A	4	Q329 330 433 434
H03-TR2SA1986BE-0	TR-SHPLF 2SA1986-R P -15.0A	4	Q335 336 439 440
H03-TR2SC4883BC-3	TR-SHPLF 2SC4883A N 2.0A	4	Q331 332 435 436
H03-TR2SC5358BO-1	TR-SHPLF 2SC5358-R N 15.0A	4	Q333 334 437 438
H03-TRKRC107MNA-4	TR-SLPSWA KRC107M N	1	Q443
H03-TRKTA1024NA-2	TR-SLPLF KTA1024 Y P 50MIOA -150V	9	Q315 316 319 320 417 418 421 422 442
H03-TRKTA1266NA-6	TR-SLPLF KTA1266 Y P 150MIOA	2	Q605 607
H03-TRKTA1268NA-A	TR-SHPLF KTA1268BL P 100MIOA 120V	5	Q311 312 410 413 414
H03-TRKTA1360BE-5	TRANSISTOR PNP KTA1360 TO-126	4	Q327 328 431 432
H03-TRKTC3114NE-9	TRANSISTOR NPN KTC3114 TO-126	4	Q701 702 703 704
H03-TRKTC3206NA-5	TR-SLPLF KTC3206 Y N 50MIOA 150V	8	Q317 318 321 322 419 420 423 424
H03-TRKTC3198NA-9	TR-SLPLF KTC3198BL N 150MIOA	8	Q307 308 407 408 426 441 606 608

MAIN BOARD

Part Number	Description	Usage	Position No
H03-TRKTC3200NA-4	TR-SHPLF KTC3200BL N 100MIOA 120V	20	Q301 302 303 304 305 306 313 314 337 338 401 402 403 404 405 406 409 415 416 425
H03-TRKTC3423BE-A	TRANSISTOR NPN KTC3423 TO-126	4	Q323 324 429 430
H03-TRKTD1302NA-6	TR-SLPLF KTD1302 B N 300MIOA 20V	1	Q601
H03-WC1180175BK-A	WIRE ASS'Y UL1007#18 175MM 1P BLK	1	W301
H03-WC1180905C1-7	WCL 090-05-05 UL1007 HOOK-UP 18 90MM BK 05 05	1	W401-2
H03-WG02SB808AA-4	WIRECONASY UNIQUE 2P 80MM UL1007	4	N801 802 803 804
H03-WG03SB821AA-0	WIRECONASY DL 2.0MM 3P 210MM UL1007 RIBBON	1	N807
H03-WG03SB82200-4	WIRE ASS'Y UL1007#26STR 220mm 2.0mm 3P WHT	1	N809
H03-WG05SB84000-7	WIRE ASS'Y UL1007#26STR 400MM 2.0MM 5P WHT	1	N808
H03-WG116S500BK-0	WIRE ASS'Y UL1007#16 500MM 1P BLK TERMINAL	1	W311
H03-WN02SD00000-2	CONN 2.5MM 2 MA ST NAT 5267-02A 0 0	5	P801 802 803 804 809
H03-WN03SE00000-9	CON 3.96MM PITCH MOLEX 35313-0310	1	P807
H03-WN05SD100WH-6	CONN WAFER 2.5MM 5P 5267-05A WHT	1	P808
H03-WN07SB00001-4	CONN 2.0MM 7P GIL-S-7P-S2T2-EF	1	P806
H03-WN19SB00000-1	CONN 2.0MM 19 MA ST NAT MOLEX 35336-1910 0 0	1	P811
H03-WS8262505EN-6	WIRE ASS'Y UL1533#26 250MM 2.0MM 8P WHT SHIELD	1	N805
H03-WSE263905EN-0	WIRECONASY DL 2.0MM 15P 390MM UL1533 SHIELD 26 1	1	N806
H03-ZMC11HS0400-6	AC HEATSINK DIODE 47X26X12 AVR630 -- ME	1	HS11
H03-ZMD11HS0400-2	HEATSINK REG. TR 68X20X50	1	HS12
H03-ZNMSA4004SN-A	TERMLUG GND	2	G101 102
PBD11KMAI21-4	PCB SINGLE AVR435/635 MAIN 330x247x1.6t FR-1 1OZ	1	
RC3DI0100IN-2	RCF 10R0 OHM +5% 250MIOW	8	R303 304 388 389 473 474 477 478
RC3DI0101IN-0	RCF 100R0 OHM +5% 250MIOW	13	R213 215 221 353 354 369 370 457 458 459 460 609 614
RC3DI0102IN-9	RCF 1K0 OHM +5% 250MIOW	2	R211 601
RC3DI0103IN-7	RCF 10K0 OHM +5% 250MIOW	8	R485 516 605 606 608 610 611 613
RC3DI0104IN-5	RCF 100K0 OHM +5% 250MIOW	12	R207 214 216 217 218 219 220 309 310 479 480 602
RC3DI0123IN-1	RCF 12K0 OHM +5% 250MIOW	3	R503 607 612
RC3DI0150IN-9	RCF 15R0 OHM +5% 250MIOW	8	R363 364 365 366 461 462 463 464
RC3DI0152IN-5	RCF 1K5 OHM +5% 250MIOW	8	R380 381 386 387 481 483 488 490
RC3DI0153IN-3	RCF 15K0 OHM +5% 250MIOW	12	R341 342 343 344 384 385 437 438 439 440 482 489
RC3DI0162IN-2	RCF 1K6 OHM +5% 250MIOW	8	R311 312 313 314 405 406 407 408
RC3DI0201IN-7	RCF 200R0 OHM +5% 250MIOW	16	R339 340 345 346 347 348 349 350 433 434 435 436 441 442 443 444
RC3DI0221IN-1	RCF 220R0 OHM +5% 250MIOW	12	R317 318 319 320 321 322 409 410 411 412 413 414
RC3DI0223IN-8	RCF 22K0 OHM +5% 250MIOW	4	R390 391 486 492
RC3DI022AIN-2	RCF 2R2 OHM +5% 250MIOW	9	R371 372 373 374 465 466 467 468 616
RC3DI0271IN-8	RCF 270R0 OHM +5% 250MIOW	1	R497
RC3DI0273IN-4	RCF 27K0 OHM +5% 250MIOW	2	R209 498
RC3DI0274IN-2	RCF 270K0 OHM +5% 250MIOW	1	R224
RC3DI0282IN-3	RCF 2K8 OHM +5% 250MIOW	4	R701 707 710 711
RC3DI0331IN-5	RCF 330R0 OHM +5% 250MIOW	4	R301 302 401 402
RC3DI0333IN-1	RCF 33K0 OHM +5% 250MIOW	5	R225 305 306 403 404
RC3DI0393IN-5	RCF 39K0 OHM +5% 250MIOW	8	R382 383 484 487 491 493 501 502
RC3DI0433IN-8	RCF 43K0 OHM +5% 250MIOW	4	R307 308 415 416
RC3DI0471IN-0	RCF 470R0 OHM +5% 250MIOW	12	R101 102 105 106 109 110 113 114 315 316 593 594
RC3DI0513IN-A	RCF 51K0 OHM +5% 250MIOW	1	R223
RC3DI0561IN-A	RCF 560R0 OHM +5% 250MIOW	24	R323 324 325 326 329 330 333 334 335 336 337 338 421 422 423 424 425 426 427 428 429 430 431 432
RC3DI0820IN-1	RCF 82R0 OHM +5% 250MIOW	4	R375 376 469 470
RC3DI0821IN-A	RCF 820R0 OHM +5% 250MIOW	4	R702 705 708 709
RC3DI0822IN-8	RCF 8K2 OHM +5% 250MIOW	1	R494 REWORK
RM1DI0333IN-4	RMF 33K0 OHM +1% 250MIOW	4	R327 328 417 418
RM1D11451IN-4	RMF 1K45 OHM +1% 250MIOW	4	R331 332 419 420
RM3FC0100BN-7	RMOF 10R0 OHM +5% 1.0W	4	R392 393 475 476
RT6BA0201NB-A	PR 200R0 OHM +30% 100MIOW	4	VR71 72 73 74
SO0A18P8CNN-7	JACK-TELE SNAP-IN GOLDEN TELECOM GDL1-8P8C 8T BK 0 0	1	NJ13
ZNSSM3023HZ-8	NUT M3 ZN PLATED	4	
ZWWM803305PZ-1	WASHER PLAIN 3	4	
ZSMBM3014BZ-5	SCREW M.S M3X14 ZN PLATED	4	

PROCESSOR BOARD

Part Number	Description	Usage	Posistion No
3SA-4121US-POMI-1-9	IMA PROCESSOR BD AVR635US	1	
CEHIC01065E-4	CE 10U0F +20% 50.0V 85C P5MM 5X11	46	C109 110 113 114 125 126 127 128 141 143 144 146 206 207 212 213 220 221 226 227 230 231 232 233 307 308 309 310 508 510 511 515 621 622 627 628 631 632 637 638 641 642 647 648 651 652
CEMGC04765E-0	CAP ELEC 47UF 25V 85C 5X11 P5MM	48	C111 112 129 130 142 145 214 215 228 229 234 235 236 237 305 306 313 314 501 502 504 505 507 509 514 516 523 524 525 526 536 537 538 539 541 542 609 610 619 620 629 630 639 640 649 650 653 654
CZEII0100BE-0	CCCFMIC 10P0F +0P5F -0P5F 50.0V NP0 0603	2	C532 533
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	66	C101 102 103 104 105 106 107 108 116 117 118 119 121 122 123 124 131 132 133 134 136 137 138 139 147 148 149 150 152 153 154 155 156 157 158 159 201 202 204 205 216 217 218 219 224 225 238 315 503 506 519 520 527 530 531 540 543 603 604 613 614 623 624 633 643 644
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	3	C210 211 316
CZJII0330BE-9	CCCFMIC 33P0F +5% -5% 50.0V NP0 0603	4	C208 209 222 223
CZJII0330BE-9	CCCFMIC 33P0F +5% -5% 50.0V NP0 0603	7	C615 616 625 626 635 645 646
CZJII0331BE-7	CAP CHIP 330P0F +5% -5% 50.0V NP0 0603	2	C605 606
CZKII0222BC-8	CAP CHIP 2N2F +10% -10% 50.0V X7R 0603	3	C512 513 634
CZKII0222BC-8	CAP CHIP 2N2F +10% -10% 50.0V X7R 0603	1	C636
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	5	C120 135 151 160 203
H03-CEMGC0337AH-0	CAP ELEC 330UF 25V M 8X11.5 AHS P5MM	2	C607 608
H03-CEMGC0476AH-0	CAP ELEC 47uF 25V M 5x11 SHL P5MM	2	C311 312
H03-CEMIC0106AH-4	CAP ELEC 10UF 50V 85C 5X11 P5MM AHS	18	C301 302 303 304 517 518 521 522 528 529 534 535 601 602 611 612 617 618
H03-DSUDZ09V1NB-2	D-ZENER UDZS 9.1B 9.1V 200MI0W	2	D1 2
H03-DZMTZ09V1NB-6	D-ZENER MTZJ 9.1V 500MI0W	5	D301 601 602 603 604
H03-ICBU4053BB4-2	IC BU4053BCF SOP16 ANALOG MPX/DEMPX	1	IC606
H03-ICKIC9162DA-0	IC-SWITCH KIC9162AF SOP28 ANALOG SWITCH	2	IC502 510
H03-ICKIC9163DA-2	IC-SWITCH KIC9163AF SOP28 ANALOG SWITCH	1	IC501
H03-ICKIC9459D5-3	IC-LOWFREQ KIC9459F SOP24 TONE/VOL/BAL/MUTE	2	IC204 507
H03-ICLM02068D2-5	IC-OPERAMP NJM2068M-TE1 DUAL SOP8	17	IC101 102 103 201 202 203 301 302 503 504 505 506 508 602 603 604 605
H03-ICLMO9482DA-0	IC-LOWFREQ KIC9482F/TC9482F SOP28 TONE/VOL/BAL/MUTE	1	IC509
H03-ICNJM4556B2-2	IC OP AMP NJM4556AD DIP8	1	IC601
H03-ICTC9273NDA-6	IC-SWITCH TC9273F-004 SOP28 ANALOG SWITCH	1	IC304
H03-ICTC9273NDA-6	IC-SWITCH TC9273F-004 SOP28 ANALOG SWITCH	1	IC303
H03-SORA40GNDNN-2	JACK RCA 4P JB040131PN WWRR	5	NJ101 102 103 104 105
H03-TRDTA114YNI-4	TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM	4	Q620 623 626 629
H03-TRDTA114YNI-4	TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM	11	Q103 106 109 203 301 605 608 611 614 615 618
H03-TRDTC114YNI-0	TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM	1	Q1
H03-TRKTD1304ND-0	TR-SLPSWA KTD1304 N 20V 300MIOA SOT-23	10	Q616 617 621 622 624 625 627 628 630 631
H03-TRKTD1304ND-0	TR-SLPSWA KTD1304 N 20V 300MIOA SOT-23	22	Q101 102 104 105 107 108 201 202 204 205 302 303 601 602 603 604 606 607 609 610 612 613
H03-WN03SB00000-1	CONN 2.0MM 3 MA ST NAT GT201-3P-TS	1	P101
H03-WN04SB00000-9	CONN 2.0MM 4 MA ST NAT GT201-4P-TS	3	P103 104 113
H03-WN06SB00000-3	CONN 2.0MM 6 MA ST NAT GT201-6P-TS	1	P110
H03-WN08SB00000-8	CONN 2.0MM 8 MA ST NAT GT201-8P-TS	1	P111
H03-WN11AB00000-6	CONN 2.0MM 11 MA R NAT SOCKET MOLEX 35237-1110 0 0	1	P108
H03-WN15SB00000-2	CONN 2.0MM 15 MA ST NAT GT201-15P-TS	1	P112
H03-WN19AB00000-4	CONN 2.0MM 19 MA R NAT SOCKET MOLEX 35237-1910 0 0	3	P106 107 109
PBD11KPOB21-8	PCB DUAL AVR435/635 PROCESSOR 209x170x1.6t FR-4 1OZ	1	
RC3DI0331IN-5	RCF 330R0 OHM +5% 250MI0W	2	R691 692
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	48	R113 114 137 138 157 158 217 218 237 238 239 240 245 246 307 308 315 316 324 325 501 502 507 508 513 519 526 532 539 540 541 542 556 557 558 559 567 568 619 620 635 636 651 652 669 670 685 686

PROCESSOR BOARD

Part Number	Description	Usage	Position No
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	61	R101 102 107 108 121 122 127 128 141 142 147 148 161 162 165 166 169 170 203 204 211 212 223 224 247 248 249 322 323 329 330 331 503 504 505 509 510 511 543 544 545 560 561 562 569 570 571 631 632 643 644 649 650 659 660 665 666 679 680 687 688
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	3	R326 327 328
RS3AD0103NA-1	RES CHIP 10K0 OHM +5% 62MI5W 0603	4	R512 520 550 551
RS3AD0104NA-A	RES CHIP 100K0 OHM +5% 62MI5W 0603	72	R103 104 109 110 115 116 123 124 129 131 132 136 143 144 151 152 153 154 163 164 167 168 171 172 207 208 227 228 233 234 241 242 303 304 305 306 311 312 313 314 518 524 528 531 535 536 537 538 548 549 554 555 603 604 609 610 625 626 629 630 641 642 647 648 657 658 663 664 677 678 689 690
RS3AD0104NA-A	RES CHIP 100K0 OHM +5% 62MI5W 0603	4	R213 214 683 684
RS3AD0122NA-8	RES CHIP 1K2 OHM +5% 62MI5W 0603	2	R2 3
RS3AD0123NA-6	RES CHIP 12K0 OHM +5% 62MI5W 0603	2	R514 521
RS3AD0123NA-6	RES CHIP 12K0 OHM +5% 62MI5W 0603	2	R515 522
RS3AD0152NA-A	RES CHIP 1K5 OHM +5% 62MI5W 0603	2	R627 628
RS3AD0153NA-8	RES CHIP, 15K 1/16W, +5%, 0603.	1	R4
RS3AD0183NA-A	RES CHIP 18K0 OHM +5% 62MI5W 0603	4	R704 710 716 722
RS3AD0202NA-A	RES CHIP 2K0 OHM +5% 62MI5W 0603	3	R529 552 553
RS3AD0202NA-A	RES CHIP 2K0 OHM +5% 62MI5W 0603	5	R705 706 711 717 718
RS3AD0221NA-6	RES CHIP 220R0 OHM +5% 62MI5W 0603	4	R611 612 613 614
RS3AD0221NA-6	RES CHIP 220R0 OHM +5% 62MI5W 0603	1	R7
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	24	R225 226 320 321 615 616 617 618 633 634 667 668 693 694 697 698 701 702 707 708 713 714 719 720
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	8	R111 112 130 135 149 150 205 206
RS3AD0242NA-9	RES CHIP 2K4 OHM +5% 62MI5W 0603	2	R607 608
RS3AD0242NA-9	RES CHIP 2K4 OHM +5% 62MI5W 0603	1	R712
RS3AD0272NA-0	RES CHIP 2K7 OHM +5% 62MI5W 0603	2	R231 232
RS3AD0332NA-8	RES CHIP 3K3 OHM +5% 62MI5W 0603	2	R516 523
RS3AD0332NA-8	RES CHIP 3K3 OHM +5% 62MI5W 0603	2	R517 525
RS3AD0333NA-6	RES CHIP 33K0 OHM +5% 62MI5W 0603	28	R119 120 139 140 159 160 219 220 318 319 621 622 637 638 653 654 671 672 673 674 695 696 723 724 725 726 727 728
RS3AD0362NA-A	RES CHIP 3K6 OHM +5% 62MI5W 0603	2	R699 700
RS3AD0430NA-8	RES CHIP 43R0 OHM +5% 62MI5W 0603	2	R5 6
RS3AD0471NA-5	RES CHIP 470R0 OHM +5% 62MI5W 0603	41	R105 106 117 118 125 126 133 134 145 146 155 156 201 202 215 216 221 222 235 236 243 244 301 302 309 310 527 533 534 546 547 601 602 623 624 639 640 655 656 675 676
RS3AD0472NA-3	RES CHIP 4K7 OHM +5% 1/16W 0603	1	R530
RS3AD0474NA-A	RES CHIP 470K0 OHM +5% 62MI5W 0603	5	R317 703 709 715 721
RS3AD0511NA-8	RES CHIP 510R0 OHM +5% 62MI5W 0603	2	R730 731
RS3AD0512NA-6	RES CHIP 5K1 OHM +5% 62MI5W 0603	4	R209 210 229 230
RS3AD0562NA-2	RES CHIP 5K6 OHM +5% 62MI5W 0603	5	R645 646 661 681 682
RS3AD0821NA-4	RES CHIP 820R0 OHM +5% 62MI5W 0603	2	R605 606
RS3AD0912NA-1	RES CHIP 9K1 OHM +5% 62MI5W 0603	1	R662

SURROUND BOARD

Part Number	Description	Usage	Position No
3SA-4121US-SRMI-1-7	IMA SURROUND BD AVR635US	1	
CCCIC0030NN-4	CAP CERAMIC 3PF 50V C CH TAP	3	C207 307 507
CCKIC0181NA-0	CC 180P0F +10% -10% 50.0V Y5P	3	C209 309 509
CCKIC0332NA-5	CC 3N3F +10% -10% 50.0V Y5P	3	C215 315 517
CCKIC0472NA-0	CC 4N7F +10% -10% 50.0V Y5P	3	C216 316 516
CCKID0271NN-0	CC 270P0F +10% -10% 50.0V 2B4	6	C204 206 304 306 504 506
CEHEC02275E-9	CE 220UF +20% 10.0V D6.3XL11 P5MM 85C	3	C208 308 508
CEHGC01075E-5	CE 100U0F +20% 25.0V 6.3X11 85C P5MM	3	C205 305 505
CEHJA0477MN-9	CE 470U0F +20% 63.0V 85C ELITE	6	C201 202 301 302 501 502
CEMFA02285E-5	CE 2200UF 16V M 12.5X20 P5MM	1	C604
CEMFA0688BK-1	CAP ELEC 6800UF 16V M 16X25 85C 120HZ ELITE	1	C606
CEMFA0828BK-0	CAP ELEC 8200UF 16V M 18X25 P7.5MM ELITE	1	C605
CPIKC0473NN-0	CPF 47N0F +10% 100.0V	3	C601 602 603
CPJJC0683NN-A	CAP POLY NON METAL 68NF 63V J TAP	3	C210 310 510
H03-CEMIC01065H-1	CAP ELEC 10UF 50V M 5X11 SHL P5MM	4	C101 203 303 503

SURROUND BOARD

Part Number	Description	Usage	Position No
H03-CEMKC0106AH-9	CAP ELEC 10UF 100V M 6.3X11 SHL	6	C211 212 311 312 511 512
H03-CPKJC0104NN-2	CAP POLY NON METAL 0.1UF 63V K TAP PCMT365 75104	6	C213 214 313 314 513 514
H03-DG1N04148NB-A	D-SLP 1N4148 100.0V 150E-3A	13	D101 201 202 203 204 301 302 303 304 501 502 503 504
H03-DRBU604F0NA-4	DIODE BRIDGE BU6-04F FRONTIER	1	D601
H03-FURN23A1563-5	FUSE 663 SERIES 3.15 250V 3.15A LT-5 TIMELUG	2	F601 602
H03-LC3NNA050NA-7	LFA 1MM 10MM 5 LEFT 0.0MM NONE	3	L201 301 501
H03-RI3IC022BEN-3	RW 220M Ω OHM +5% 5.0W 100PPM/C -100PPM/C	3	R238 338 538
H03-RM3EG0100LN-5	RMF 10R0 OHM +5% 500M Ω W	6	R225 233 325 333 525 533
H03-RP3NA0101HJ-4	THERMISTOR ASS'Y RP3NA-0101-NZ	1	PO10
H03-RP3NA0101NN-5	POS 100R0 OHM 16.0V	1	PO11
H03-RT7EA0201NB-1	PR 200R0 OHM +20% 500M Ω W	2	VR301 501
H03-SOPA8SH0612-5	JACK SPEAKER 8P SH0612707P	1	NJ401
H03-TR2SA1145NA-8	TR-SLPLF 2SA1145Y TO-92MOD P -50M Ω A -150V	3	Q205 305 505
H03-TR2SA1859BC-8	TR-SHPLF 2SA1859A P -2.0A	3	Q216 316 516
H03-TR2SA1986BE-0	TR-SHPLF 2SA1986-R P -15.0A	3	Q219 319 519
H03-TR2SC4883BC-3	TR-SHPLF 2SC4883A N 2.0A	3	Q217 317 517
H03-TR2SC5358BO-1	TR-SHPLF 2SC5358-R N 15.0A	3	Q218 318 518
H03-TRKTA1024NA-2	TR-SLPLF KTA1024 Y P 50M Ω A -150V	6	Q208 211 308 311 508 511
H03-TRKTA1268NA-A	TR-SHPLF KTA1268BL P 100M Ω A 120V	4	Q101 206 306 506
H03-TRKTA1360BE-5	TRANSISTOR PNP KTA1360 TO-126	3	Q215 315 515
H03-TRKTC3114NE-9	TRANSISTOR NPN KTC3114 TO-126	3	Q214 314 514
H03-TRKTC3198NA-9	TR-SLPLF KTC3198BL N 150M Ω A	3	Q204 304 504
H03-TRKTC3200NA-4	TR-SHPLF KTC3200BL N 100M Ω A 120V	15	Q201 202 203 207 220 301 302 303 307 320 501 502 503 507 520
H03-TRKTC3206NA-5	TR-SLPLF KTC3206 Y N 50M Ω A 150V	6	Q209 212 309 312 509 512
H03-TRKTC3423BE-A	TRANSISTOR NPN KTC3423 TO-126	3	Q213 313 513
H03-WG06SE81200-2	WIRE ASS'Y UL1007#16 120mm 3.96mm 6P RED	1	N404
H03-WH800012P36-6	PIN HEADER YFW-800-01 2.36PI	1	P405
H03-WN02AD00000-5	CONNECT WAFER 2.5mm 2P 5268-02A WHT ANGLE	3	P201 301 501
H03-WN03SD100WH-1	CONN WAFER 2.5MM 3P 5267-03A WHT	1	N403
H03-WN10SB00000-6	CONNECT 2.0MM 10P GIL-S-10P-S2T2-EF	1	N402
H03-WS6262605EN-1	WIRECONASY DL 2.0MM 6P 260MM UL1533 SHIELD 26 1	1	N401
H03-ZNMSA4004SN-A	TERMLUG GND	4	G101 102 103 105
PBD11KSRI21-6	PCB SINGLE AVR435/635 SURROUND 330x247x1.6t FR-1 1OZ	1	
RC3DI0100IN-2	RCF 10R0 OHM +5% 250M Ω W	6	R203 243 303 343 503 543
RC3DI0101IN-0	RCF 100R0 OHM +5% 250M Ω W	6	R226 236 326 336 526 536
RC3DI0103IN-7	RCF 10K0 OHM +5% 250M Ω W	1	R101
RC3DI0104IN-5	RCF 100K0 OHM +5% 250M Ω W	3	R246 346 546
RC3DI0150IN-9	RCF 15R0 OHM +5% 250M Ω W	6	R228 235 328 335 528 535
RC3DI0152IN-5	RCF 1K5 OHM +5% 250M Ω W	6	R239 241 339 341 539 541
RC3DI0153IN-3	RCF 15K0 OHM +5% 250M Ω W	9	R220 221 240 320 321 340 520 521 540
RC3DI0162IN-2	RCF 1K6 OHM +5% 250M Ω W	6	R209 210 309 310 509 510
RC3DI0201IN-7	RCF 200R0 OHM +5% 250M Ω W	12	R219 222 223 224 319 322 323 324 519 522 523 524
RC3DI0221IN-1	RCF 220R0 OHM +5% 250M Ω W	9	R205 206 207 305 306 307 505 506 507
RC3DI0223IN-8	RCF 22K0 OHM +5% 250M Ω W	3	R244 344 544
RC3DI022AIN-2	RCF 2R2 OHM +5% 250M Ω W	6	R227 237 327 337 527 537
RC3DI0282IN-3	RCF 2K8 OHM +5% 250M Ω W	3	R229 329 529
RC3DI0331IN-5	RCF 330R0 OHM +5% 250M Ω W	3	R201 301 501
RC3DI0393IN-5	RCF 39K0 OHM +5% 250M Ω W	4	R102 242 342 542
RC3DI0433IN-8	RCF 43K0 OHM +5% 250M Ω W	3	R204 304 504
RC3DI0471IN-0	RCF 470R0 OHM +5% 250M Ω W	3	R208 308 508
RC3DI0561IN-A	RCF 560R0 OHM +5% 250M Ω W	18	R211 214 215 216 217 218 311 314 315 316 317 318 511 514 515 516 517 518
RC3DI0820IN-1	RCF 82R0 OHM +5% 250M Ω W	3	R234 334 534
RC3DI0821IN-A	RCF 820R0 OHM +5% 250M Ω W	3	R230 330 530
RM1DI0333IN-4	RMF 33K0 OHM +1% 250M Ω W	6	R202 212 302 502 312 512
RM1DI1451IN-4	RMF 1K45 OHM +1% 250M Ω W	3	R213 313 513
RM3FC0100BN-7	RMOF 10R0 OHM +5% 1.0W	3	R245 345 545
RT6BA0201NB-A	PR 200R0 OHM +30% 100M Ω W	1	VR201

VIDEO BOARD

Part Number	Description	Usage	Position No
3SA-4121US-VDMI-1-4	IMA VIDEO BD AVR635US	1	
CCKIC0223NN-6	CC 22N0F +10% -10% 50.0V Z5R	1	C834
CCKID0102NN-1	CAP CERAMIC AXIAL 1NF 50V +10%-10% 2B4	1	C956
CCZID0104NA-2	CC 100N0F +80% -20% 50.0V F	1	C831
CEHDC0108NN-3	CE 1M Ω 0F +20% 6.3V 8X11.5 85C ELITE P5MM	1	C112
CEHEC01075E-8	CE 100U0F +20% 10.0V 5X11 85C P5MM	5	C346 753 761 829 837

VIDEO BOARD

Part Number	Description	Usage	Position No
CEHEC02275E-9	CE 220UF +20% 10.0V D6.3XL11 P5MM 85C	22	C330 332 391 700 702 703 705 706 708 709 711 777 780 781 784 790 821 822 825 826 953 955
CEHEC0477MN-A	CE 470U0F +20% 10.0V 6.3X11 85C ELITE P5MM	17	C324 500 501 724 725 726 727 728 729 816 817 823 824 925 926 949 950
CEHFC0106NN-4	CE 10U0F +20% 16.0V 85C 5X11 ELITE P5MM	19	C701 704 707 710 713 716 776 785 786 798 799 800 827 860 861 905 910 915 919
CEHFC01075E-1	CE 100UF +20% 16.0V D5XL11 P5MM 85C	10	C103 109 110 331 338 779 782 787 873 899
CEHFC04765E-3	CE47UF +20% 16.0V D5XL11 P5MM 85C	7	C333 334 747 802 807 811 820
CEHIC01055E-6	CE 1UF +20% 50V D5XL11 P5MM 85C	7	C105 106 505 745 757 767 789
CEHIC01065E-4	CE 10U0F +20% 50.0V 85C P5MM 5X11	4	C833 836 841 845
CEHIC02255E-7	CE 2U2F +20% 50V D5XL11 P5MM 85C	4	C832 835 840 844
CEHIC0474NN-9	CE 470N0F +20% 50.0V 85C 5X11 ELITE P5MM	1	C762
CEMFC0226NN-9	CAP ELEC 22UF 16V M ELITE P5MM	6	C108 111 118 387 874 875
CPHIC0223NN-4	CPF 22N0F +10% 50.0V	1	C756
CPHIC0682NN-5	CPF 6N8F +10% 50.0V	1	C758
CSJIE0300BG-2	CAP.CHIP FORM 30P +/-5% 50V C0G 0603	1	C754
CZDII0100BE-8	CAP CHIP 10PF 50V CH D NP0 0603 +-0.25P	1	C744
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	10	C803 804 805 808 809 810 813 814 815 828
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	16	C507 508 509 718 719 720 721 722 723 768 769 770 856 893 895 897
CZJII0181BE-0	CCCFMIC 180P0F +5% -5% 50.0V NP0 0603	1	C2
CZJII0270BE-1	CAP CHIP 27P0F +5% -5% 50.0V NP0 0603	1	C755
CZJII0330BE-9	CCCFMIC 33P0F +5% -5% 50.0V NP0 0603	2	C854 855
CZJII0331BE-7	CAP CHIP 330P0F +5% -5% 50.0V NP0 0603	1	C351
CZJII0331BE-7	CAP CHIP 330P0F +5% -5% 50.0V NP0 0603	3	C342 849 850
CZJII0390BE-2	CAP CHIP 39PF 50V CH J NP0 0603	4	C763 764 765 766
CZJII0680BE-4	CAPACITOR CERAMIC CHIP 68PF 50V CH J NP0 0603	1	C1
CZJII0680BE-4	CAPACITOR CERAMIC CHIP 68PF 50V CH J NP0 0603	3	C892 894 896
CZKII0103BC-5	CAP CHIP 10N0F +10% -10% 50.0V X7R 0603	5	C104 752 760 830 898
CZKII0103BC-5	CAP CHIP 10N0F +10% -10% 50.0V X7R 0603	1	C759
CZKII0153BC-1	CAP CHIP 15N0F +10% -10% 50.0V X7R 0603	1	C842
CZKII0221BA-3	CAP CHIP 220PF 50V K SL 0603	1	C736
CZKII0221BA-3	CAP CHIP 220PF 50V K SL 0603	1	C848
CZKII0223BC-6	CAP CHIP 22N0F +10% -10% 50.0V X7R 0603	1	C839
CZKII0561BC-8	CAP CHIP 560P0F +10% -10% 50.0V X7R 0603	1	C350
CZKII0822BC-6	CAP CHIP 8N2F +10% -10% 50.0V X7R 0603	1	C843
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	39	C339 502 503 778 783 788 801 806 812 818 819 838 859 862 863 864 865 866 870 927 928 951 952 900 901 902 903 904 906 907 908 909 911 912 913 914 916 917 918
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	6	C107 857 858 867 868 869
CZZFI0224BF-9	CAP CHIP 220NF 16V Y5V +80%-20% 0603	6	C851 852 853 920 921 922
H03-CEMDC0108NN-9	CE 1000UF 6.3V M 8X11.5 SHL	3	C504 506 730
H03-CEMEC0337AH-6	CE 330UF 10V M 6.3X11 SHL	1	C954
H03-CEMIC0334AH-A	CAP ELEC 0.33UF M 5X11 SHL 50V SAMYOUNG P5MM	1	C743
H03-DS05GBUSCNB-5	DIODE PG05GBUSC	8	D501 502 718 719 721 722 723 724
H03-DS05GBUSCNB-5	DIODE PG05GBUSC	8	D710 711 712 713 714 715 716 717
H03-DS1S50094NB-5	D-SLP 1S355 35.0V 225MI0A	4	D104 105 106 107
H03-DS1S50094NB-5	D-SLP 1S355 35.0V 225MI0A	10	D700 701 702 703 704 705 706 707 708 720
H03-DZMTZ09V1NB-6	D-ZENER MTZJ 9.1V 500MI0W	1	D709
H03-FB05B3580NN-7	BEAD AXIAL/TAP.HC3580 80.5ohm	5	L700 701 702 703 723
H03-FB121201208-8	FERRITE BEADS FCM2012K-121T08 120OHM 2012	1	L715
H03-FB121201208-8	FERRITE BEADS FCM2012K-121T08 120OHM 2012	4	L711 712 713 714
H03-FB1R52012CN-5	INDUCTOR COIL FCI2012-1R5K 1.5UH 0805	3	L719 720 721
H03-FB3R92012CN-0	INDUCTOR COIL FCI2012-3R9K 3.9UH 0805	3	L716 717 718
H03-FY0100101N8-0	FILTER MPX 01011-101	1	L705
H03-IC3MM1566D2-1	IC 3CH VIDEO DRIVER MM1566 SOP8	2	IC10 85
H03-IC74HC4094D-1	IC CD74HC4094D(R-PDSO-G16) SOP16	1	IC90 91 92
H03-ICADV717248-2	IC DIGITAL PAL/NTSC ADV7172 LQFP48	3	IC84
H03-ICBU4053BB4-2	IC BU4053BCF SOP16 ANALOG MPX/DMPX	1	IC88
H03-ICKIA7806I2-4	IC KIA7806AP VOLTAGE REGULATOR TO-220AB	1	IC89
H03-ICLC74763R1-0	IC OSD LC74763M-9655 SOP30	1	IC75
H03-ICMM1117NDG-6	IC VIDEO SWITCH MM1117 SOP-8C	1	IC36
H03-ICMM1234S16-4	IC VIDEO SW MM1234 SOP16	1	IC33
H03-ICMM1501XDL-5	IC-VIDEO SW MM1501XNRE SOT-26B	2	IC80 81
H03-ICMM1511XDL-3	IC-VIDEO SW MM1511XNRE SOT-26B	1	IC79
H03-ICNJM2296D3-2	IC-LINEAR NJM2296	3	IC70 71 72
H03-ICNJM2586MN-9	IC VIDEO AMP NJM2586M DMP24	1	IC94

VIDEO BOARD

Part Number	Description	Usage	Position No
H03-ICPJCW1X8DG-6	IC VOLTAGE REGULATOR PJ1117CW-1.8 1.8V SOT-223	1	IC93
H03-ICTSH95IDB4-1	IC-VIDEOPROC TSH95ID VIDEO AMPLIFIER	3	IC50 74 87
H03-ICTV5P14680-3	IC HPA DIGITAL A/V TVP5146PFP S-PQFP-G80	1	IC83
H03-LAINB0470CR-8	LF 47U0H +10% 5.8 OHM 500MIOA	5	L704 707 708 709 710
H03-LALNB056ACR-5	INDUCTOR COIL AL02TB5R6J 5.6UH 1.9OHM +5%	1	L706
H03-OSXBE14M39S-3	CRYSTAL 14.31818MHZ HC-49/S WOOIN	2	Y700 702
H03-OSXBE17M79S-5	CRYSTAL 17.734475MHZ HC-49/S WOOIN	1	Y701
H03-RLTX25VNAIS-2	RELAY TX2-5V STANDARD PC BOARD TERMINAL	4	SK104 105 106 107
H03-RLV23079A10-6	RELAY V23079-A1001	4	SK104 105 106 107
H03-RM3FC010ABN-3	RESISTOR METAL OXIDE 1 OHM 1W 5%	1	R724
H03-SOR12BJ12NN-9	JACK RCA 12P BJ120154JN	1	NJ90
H03-SORA11Y00NN-0	JACK RCA+S VIDEO C5016031DN	7	NJ50 70 71 72 73 74 75
H03-TR2SA933ANW-8	TR-SLPLF 2SA933ASR P -3.0A -20V	5	Q704 705 706 707 708
H03-TR2SC1740NW-4	TR-SLPLF 2SC1740S R N 150MIOA 50V	4	Q300 700 702 703
H03-TRDTA114YNI-4	TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM	3	Q709 710 711
H03-TRDTA114YNI-4	TR-SSD DTA114YKA P 10K0 OHM 47K0 OHM	1	Q712
H03-TRDTC114YNI-0	TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM	7	Q104 105 106 107 713 714 715
H03-TRDTC114YNI-0	TR-SSD DTC114YKA N 10K0 OHM 47K0 OHM	2	Q701 716
H03-WG03SB81600-0	WIRE ASS'Y UL1007#26 STR 160MM 2.0MM 3P WHT	1	N602
H03-WG10SB82200-9	WIRE ASS'Y UL1007#26STR 220mm 2.0mm 10P WHT	1	N601
H03-WN06AB00000-6	CONN 2.0MM 6 MA R NAT GT201-6P-LS	1	P603
H03-WN10AB00000-9	CONN 2.0MM GIL-S-10P-S2L2-EF 10P	1	P602
H03-WN15AI00001-2	CONNECT GF120-15S-LS 1.25mm 15P	1	P601
H03-WN19AB00000-4	CONN 2.0MM 19 MA R NAT SOCKET MOLEX 35237-1910 0 0	1	N902
H03-WN19SB00000-1	CONN 2.0MM 19 MA ST NAT MOLEX 35336-1910 0 0	1	P901
PBD12KVDB20-2	PCB DUAL AVR635 VIDEO 194x194x1.6t FR-4	1	
RC3DI0121IN-5	RCF 120R0 OHM +5% 250MI0W	1	R765
RC3DI0471IN-0	RCF 470R0 OHM +5% 250MI0W	1	R766
RS1AD0100NA-1	RES CHIP 10 OHM 1/16W 1% 0603	1	R934
RS1AD0101NA-A	RES CHIP 100 OHM 1/16W 1% 0603	2	R832 833
RS1AD0604NA-6	RES CHIP 604 OHM 1/16W 1% 0603	2	R830 831
RS1AD0750NA-6	RES CHIP 75OHM 1% 1/16W 0603	1	R503
RS1AD1470NA-7	RES CHIP 147 OHM 1/16W 1% 0603	1	R797
RS1AD1470NA-7	RES CHIP 147 OHM 1/16W 1% 0603	4	R834 835 836 837
RS1AD162ANA-2	RES CHIP 16.2 OHM 1/16W 1% 0603	1	R937
RS1AD191ANA-4	RES CHIP 19.1 OHM 1/16W 1% 0606	1	R936
RS1AD442ANA-6	RES CHIP 44.2 OHM 1/16W 1% 0603	1	R933
RS1AD453ANA-A	RES CHIP 45.3 OHM 1/16W 1% 0603	1	R932
RS1AD787ANA-4	RES CHIP 78.7 ohm 1/16W 1% 0603	1	R704
RS3AD0000NA-0	RES CHIP 0 OHM +0% 62MI5W 0603	10	R302 310 311 312 314 315 320 323 730 880
RS3AD0000NA-0	RES CHIP 0 OHM +0% 62MI5W 0603	6	R313 513 841 881 882 935
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	1	R873
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	2	R803 804
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	19	R2 733 734 754 755 756 757 773 774 775 777 778 779 781 783 782 850 857 865
RS3AD0102NA-3	RES CHIP 1K0 OHM +5% 62MI5W 0603	10	R758 759 760 791 793 805 806 807 808 814
RS3AD0103NA-1	RES CHIP 10K0 OHM +5% 62MI5W 0603	6	R500 501 502 745 828 874
RS3AD0103NA-1	RES CHIP 10K0 OHM +5% 62MI5W 0603	22	R507 508 509 718 719 720 721 722 723 738 742 748 785 786 787 812 824 825 826 827 829 903
RS3AD0104NA-A	RES CHIP 100K0 OHM +5% 62MI5W 0603	1	R860
RS3AD0105NA-8	RES CHIP 1M 1/16W +5% 0603	2	R752 811
RS3AD0105NA-8	RES CHIP 1M 1/16W +5% 0603	1	R753
RS3AD010ANA-6	RES, CHIP, 1, 1/16W, +/-5%, 0603	2	R914 916
RS3AD0121NA-A	RES CHIP 120R0 OHM +5% 62MI5W 0603	3	R735 750 751
RS3AD0122NA-8	RES CHIP 1K2 OHM +5% 62MI5W 0603	1	R3
RS3AD0122NA-8	RES CHIP 1K2 OHM +5% 62MI5W 0603	1	R1
RS3AD0123NA-6	RES CHIP 12K0 OHM +5% 62MI5W 0603	3	R776 780 784
RS3AD0124NA-4	RES CHIP 120K0 OHM +5% 62MI5W 0603	1	R741
RS3AD0151NA-1	RES CHIP 150R0 OHM +5% 62MI5W 0603	3	R842 876 877
RS3AD0152NA-A	RES CHIP 1K5 OHM +5% 62MI5W 0603	2	R321 737
RS3AD0152NA-A	RES CHIP 1K5 OHM +5% 62MI5W 0603	1	R788
RS3AD0154NA-6	RES CHIP 150K0 OHM +5% 62MI5W 0603	6	R327 744 851 853 858 866
RS3AD020ANA-2	RES CHIP 2 OHM 1/16W 5% 0603	1	R868
RS3AD0221NA-6	RES CHIP 220R0 OHM +5% 62MI5W 0603	1	R4
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	3	R848 855 863
RS3AD0222NA-4	RES CHIP 2K2 OHM +5% 62MI5W 0603	2	R809 810
RS3AD0223NA-2	RES CHIP 22K0 OHM +5% 62MI5W 0603	3	R794 795 796
RS3AD0224NA-0	RES CHIP 220K0 OHM +5% 62MI5W 0603	1	R740

VIDEO BOARD

Part Number	Description	Usage	Position No
RS3AD0243NA-7	RES CHIP 24K0 OHM +5% 62MI5W 0603	1	R747
RS3AD0271NA-2	RES CHIP 270R0 OHM +5% 62MI5W 0603	2	R729 798
RS3AD0272NA-0	RES CHIP 2K7 OHM +5% 62MI5W 0603	1	R746
RS3AD030ANA-9	RES CHIP 3 OHM 1/16W 5% 0603	2	R514 515
RS3AD0330NA-1	RES CHIP 33R0 OHM +5% 62MI5W 0603	1	R790
RS3AD0331NA-A	RES CHIP 330R0 OHM +5% 62MI5W 0603	2	R799 800
RS3AD0333NA-6	RES CHIP 33K0 OHM +5% 62MI5W 0603	3	R847 854 862
RS3AD0392NA-1	RES CHIP 3K9 OHM +5% 62MI5W 0603	1	R861
RS3AD0392NA-1	RES CHIP 3K9 OHM +5% 62MI5W 0603	1	R749
RS3AD0394NA-8	RES.CHIP 390K 1/16W +-5% 0603	1	R332
RS3AD0430NA-8	RES CHIP 43R0 OHM +5% 62MI5W 0603	1	R789
RS3AD043ANA-7	RESISTOR CHIP 4R3 OHM 1/16W 5% 0603	3	R994 995 996
RS3AD043ANA-7	RESISTOR CHIP 4R3 OHM 1/16W 5% 0603	4	R912 913 915 917
RS3AD0470NA-7	RES CHIP 47R0 OHM +5% 62MI5W 0603	10	R813 815 816 817 818 819 820 821 822 823
RS3AD0511NA-8	RES CHIP 510R0 OHM +5% 62MI5W 0603	1	R801
RS3AD0513NA-4	RES CHIP 51K0 OHM +5% 62MI5W 0603	1	R743
RS3AD0680NA-7	RES CHIP 68R0 OHM +5% 62MI5W 0603	5	R504 505 849 856 864
RS3AD0682NA-3	RES CHIP 6K8 OHM +5% 62MI5W 0603	1	R736
RS3AD0750NA-1	RES CHIP 75R0 OHM +5% 62MI5W 0603	16	R102 103 104 375 885 886 887 888 889 890 891 892 893 894 895 896
RS3AD0750NA-1	RES CHIP 75R0 OHM +5% 62MI5W 0603	29	R300 324 325 326 340 367 700 701 702 703 705 706 707 708 709 710 711 712 713 714 715 716 717 792 867 869 870 871 872
RS3AD0753NA-6	RES CHIP 75K 1/16W +-5% 0603.	2	R852 859
RS3AD0822NA-2	RES CHIP 8K2 OHM +5% 62MI5W 0603	1	R328
RS3AD0911NA-3	RES CHIP 910 OHM +5% 62MI5W 0603	1	R5

SUPPLY BOARD

Part Number	Description	Usage	Position No
3SA-4212EU-SUMI-1-6	IMA SUPPLY BD AVR635EU	1	
CCKIC0103NA-9	CC 10N0F +10% -10% 50.0V Y5P	6	C102 103 104 108 109 110
CCMOC0472NF-9	CC 4N7F +20% -20% 250.0V Y5V	1	C101
CCZID0104NA-2	CC 100N0F +80% -20% 50.0V F	6	C113 115 301 303 305 308
CEHGC0687NN-6	CE 680U0F +20% 25.0V 85C ELITE P5MM	1	C125
CEHIC01055E-6	CE 1UF +20% 50V D5XL11 P5MM 85C	2	C111 114
CEHIC01065E-4	CE 10U0F +20% 50.0V 85C P5MM 5X11	5	C112 302 304 306 307
CEMGC04775E-9	CE 470U0F +/-20% 25.0V 10X13 85C	1	C107
CEMJC02275E-0	CAP ELEC 220UF 63V M 10X16 85C 120HZ ELITE P5MM	1	C105
CFMVA0104NN-2	CPPMX 100N0F +20% -20% P15MM	1	C100
CZJII0101BE-2	CAP CHIP 100P0F +5% -5% 50.0V NP0 0603	3	C703 704 705
CZZFI0104BF-8	CAP CHIP 100N0F +80% -20% 16.0V Y5V 0603	2	C701 702
H03-CEHIC0107AH-4	CE 100U0F +20% 50.0V 85C SHL P5MM	1	C106
H03-CEMHC0227AH-9	CAP ELEC 220UF 35V M 8X11.5 SHL SAMYOUNG	1	C116
H03-CEMJA0109KB-6	CAP ELEC 10000UF 63V M 30X45 LSW103M1JP45M	2	C201 202
H03-CFH0A0104NN-9	CAP POLY METAL CPM 100NF 250V 20% TAE YANG	3	C203 204 205
H03-DG1N04148NB-A	D-SLP 1N4148 100.0V 150E-3A	2	D101 111
H03-DR1N04004NA-7	D-SR 1N4004 400.0V 1.0A	15	D102 103 105 106 107 108 109 110 112 113 115 117 118 301 302
H03-DRBU10040BA-1	D-BRDLC BRIDGE BU10-04	1	D201
H03-DS1S50094NB-5	D-SLP 1SS355 35.0V 225M0A	2	D701 702
H03-DZMTZ05V1NB-3	DIODE ZENER MTZ J 5.1B 5.1V 500MW DO-34	1	D116
H03-DZMTZ09V1NB-6	D-ZENER MTZJ 9.1V 500MI0W	1	D104
H03-DZMTZJ22BNB-3	DIODE ZENER MTZ J 22B 22V 0.5W DO-34	2	D119 120
H03-FB2K52012NN-0	FBEAD SURFACE MT 2500OHM FCM2012H-252T02	1	L701
H03-FUGF202A0XX-A	FUSVDETIMELG 2.0A 250.0 V 5X20	2	F201 202
H03-FUGF26A30XX-4	FUSVDETIMELG 6.3A 250.0 V 5X20	1	F101
H03-ICKIA278R33-2	IC VOLTAGE REGULATOR KIA278R33PI TO-220IS-4	1	IC301
H03-ICKIA7805I2-2	IC-REGPOSFXD KIA7805API NORMAL TO-220IS	3	IC11 302 304
H03-ICKIA7905I2-0	IC-REGNEGFXD KIA7905PI NORMAL	1	IC303
H03-LS1502012NN-3	INDUCTOR COIL FCI2012-150K 15UH 0805	1	L700
H03-RL11227111K-7	RELAYPWR 12.0V 270.0OHM 10.0A	1	SK11
H03-RM3FC047ABN-4	RESISTOR METAL OXIDE 4R7 1W 5%	1	R114
H03-RM3GC022ACN-3	RESISTOR METAL OXIDE 2R2 OHM +5% 2.0W	4	R301 302 303 304
H03-RM3GC0330CN-1	RESISTOR METAL OXIDE 33 OHM +5% 2.0W	1	R108
H03-RM3GC033ACN-2	RESISTOR METAL OXIDE 3R3 OHM +5% 2.0W	2	R307 308
H03-RM3GC047ACN-4	RESISTOR METAL OXIDE 4R7 +5% 2.0W	1	R305
H03-SO3P5179NNN-A	JACK PHONE 3.5PI PJ0435179N	1	NJ71
H03-SOPA20019BK-5	CONN-SPE AC OUTLET 2P 220V FE 19MM2 BK 0 0	1	NS21
H03-SOPS1FEHDNN-4	TERMFUSEHLD R FUSE-HOLDER J4210020001X	6	FH10 11 21 22 23 24
H03-SORA1JE01NN-6	JACK RCA 1P JE010003MN GND OR	1	NJ70

SUPPLY BOARD

Part Number	Description	Usage	Position No
H03-SOTOR179LBA-6	D-LEM TORX-179L	1	NJ79
H03-SOXA27014NN-4	CON MAINS INLET A/C INLET 7014-NGP AC05-4S020A	1	NS19
H03-TRMPSA06NNA-A	TR-SLPLF MPSA06 N 500MIOA TO-92	2	Q101 102
H03-TXPWMSD21A0-7	POWER TRANSFORMER AVR635EU SUB	1	TP11
H03-WG03SE8122A-8	WIRE ASS'Y UL1617#22 120mm 3.96mm 3P WHT	1	N304
H03-WG10SB81100-6	WIRE ASS'Y UL1007#26 STR 110mm 2.0mm 10P WHT	1	N311
H03-WN02SE00000-1	CON 3.96MM PITCH HEADER 2 POS MOLEX 35328-0210	2	P305 306
H03-WN03SB00000-1	CONN 2.0MM 3 MA ST NAT GT201-3P-TS	1	P312
H03-WN03SE00000-9	CON 3.96MM PITCH MOLEX 35313-0310	1	P301
H03-WN03SG00000-7	CONNECT WAFER 7.92MM 3P 35328-0310 WHT	1	P309
H03-WN04SB00000-9	CONN 2.0MM 4 MA ST NAT GT201-4P-TS	1	N302
H03-WN05SB00000-6	CONN 2.0MM 5 MA ST NAT GT201-5P-TS	1	P313
H03-WN05SD100WH-6	CONN WAFER 2.5MM 5P 5267-05A WHT	1	P307
H03-WN06SB00000-3	CONN 2.0MM 6 MA ST NAT GT201-6P-TS	1	P311
H03-WN06SE00000-0	CONNECT 6P 3.96MM 35313-0610	1	P310
H03-WN08SD00000-6	CONN 2.5MM 8 MA ST NAT 0 0	1	P308
H03-WN19AB00000-4	CONN 2.0MM 19 MA R NAT SOCKET MOLEX 35237-1910 0 0	1	P303
H03-WN19SB00000-1	CONN 2.0MM 19 MA ST NAT MOLEX 35336-1910 0 0	1	P304
H03-WS5268505CN-6	CNT ASSY 2.0MM 5P 850MM SHIELD 26AWG UL1007	1	N301
H03-ZMC12HS0100-9	AC HEATSINK 17*15*30 AVR520 -- ME	1	HK11
H03-ZMC12S17A00-6	AC PUN SHIELD DIGITAL ET	1	SH11
H03-ZNMSA4004SN-A	TERMLUG GND	2	G101 103
PBD20KSUI01-9	PCB SINGLE AVR435/635EU SUPPLY 197x197x1.6T FR-1 1OZ	1	
RC3DI0102IN-9	RCF 1K0 OHM +5% 250MIOW	3	R103 118 309
RC3DI0103IN-7	RCF 10K0 OHM +5% 250MIOW	3	R102 109 306
RC3DI0104IN-5	RCF 100K0 OHM +5% 250MIOW	1	R110
RC3DI010AIN-1	RCF 1R0 OHM +5% 250MIOW	2	R106 107
RC3DI0153IN-3	RCF 15K0 OHM +5% 250MIOW	1	R104
RC3DI0222IN-A	RCF 2K2 OHM +5% 250MIOW	1	R105
RC3DI0272IN-6	RCF 2K7 OHM +5% 250MIOW	1	R112
RC3DI0562IN-8	RCF 5K6 OHM +5% 250MIOW	1	R111
RM3FC0100BN-7	RMOF 10R0 OHM +5% 1.0W	1	R113
RS3AD0101NA-5	RES CHIP 100R0 OHM +5% 62MI5W 0603	1	C721

MECH

Part Number	Description	Usage	Position No
H03-FBB0102AA00-2	FCORE FERRIT MAGNET SRH9. 9X20. 0X5. 3	1	
H03-FBD0480BR00-8	FCORE CLAMP FILTER LF80BR W5 SRH 16X28X9	2	
H03-SWA2B21PDA&-2	SW PUSH POWER SDDL15700 5A 250V	1	
H03-TXPWMMMD21B0-5	TRANS MN X'FORMER AVR635 230V	1	
H03-WF09SB81300-3	WIRE ASS'Y UL1007#26 STR 130MM 2.0MM 9P WHT	1	
H03-WF15S2605FU-6	WIRE FFC (CARD CABLE) DHCDF-15/260-P1.25-AT	1	
H03-WF27S2705FU-5	WIRE FFC (CARD CABLE)DHCDF-27/270-P1.25-AT	1	
H03-WF4261805BN-7	WIRECONASY DL 2.0MM 4P 180MM UL 1007 RIBBON 26 1	1	
H03-WG02SG8532A-4	WIRECONASY 2P 530MM UL1617 PVC DOUBLE INSULATED	1	
H03-ZMB01S00100-0	BKT HEADPHONE JACK	1	
H03-ZMB01S02200-4	SPRING PLATE GND C5212 0.2T	2	
H03-ZMC11HS0200-2	H/SINK MAIN AVR630	1	
H03-ZMC11S00200-6	AL DOOR AVR430/630	1	
H03-ZMC11S00300-8	AL PANEL AVR430/630	1	
H03-ZMC11S04B00-9	BKT FRAME GUIDE	1	
H03-ZMC11S06A00-9	SPRING STOPPER AVR430/630	1	
H03-ZMC11S07A00-A	CHASSIS FRONT AVR430/630	1	
H03-ZMC11S08A00-0	COVER TOP AVR430/630	1	
H03-ZMC11S09A00-1	BKT FAN FRONT AVR430/630	1	
H03-ZMC11S10A00-1	BKT FAN REAR AVR430/630	1	
H03-ZMC11S12A00-3	CAP BUTTON STAND-BY AVR430/630	1	
H03-ZMC11S13A00-4	CHASSIS MAIN AVR430/630	1	
H03-ZMC11S14A00-5	BRACKET DOOR	1	
H03-ZMC12S07A00-8	COVER BOTTOM	1	
H03-ZMC12S08B00-0	BKT TRANS BOTTOM	1	
H03-ZMC12S09A00-A	BKT HEATSINK	7	
H03-ZMC12S19A00-8	BKT AC INLET	2	
H03-ZMC12S20A00-8	BADGE AL HARMAN/KARDON SILVER	1	
H03-ZMD05S16A00-9	BKT HINGE AVR7300	2	
H03-ZMD12HS0100-5	HEATSINK H/SINK AMP AVR635	1	
H03-ZMD12S04B00-3	BKT FRAME GUIDE AVR635	1	
H03-ZMD21S02A00-9	PANEL REAR AVR635 EU	1	
H03-ZMGEN00GAGY-6	AL LOGO BADGE TOP	1	

MECH

Part Number	Description	Usage	Position No
H03-ZPC1018GART-2	FILTER VFD	1	
H03-ZPC1219ZABK-8	SPEAKER TERBOARD SH08M790B0	14	
H03-ZPD0104GASG-3	BUTTON 7 KEY EU	1	
H03-ZPD0315GAMW-9	VOLUMN KNOB	1	
H03-ZPD0316GASG-5	COVER KNOB	1	
H03-ZPD0317GACR-A	CAP KNOB VOLUMN	1	
H03-ZPD1219GABT-A	WINDOW DISPLAY AVR635+BADGE NAME AVR635	1	
H03-ZUD0301AABK-5	SPONGE-UL 30X30X12T BK DPR2005	1	
H03-ZVC11DWT100-9	TAPE DOOR	1	
H03-ZVC11DWT200-0	TAPE PANEL	1	
H03-ZVC11FAN100-1	FAN JF0925S1L	1	
H03-ZVC11GEAR01-5	DAMPER GEAR DP120	1	
H03-ZVD01TUNE00-8	TUNER MODULE KST-MB114MW1-81 OEM EU	1	
ZFD122062SB-5	RUBBER TOP AVR635	1	
ZFD122072SB-2	RUBBER TOP AVR635	1	
ZFNR13830SB-6	RUBBER SIDE	6	
ZFNR19720SB-5	RUBBER FOOT 19.7X19.7X2T BK	4	
ZMC1221AA00-9	CLAMP WIRE-FIX UL 55212250	1	
ZMC12S13AYE-1	STANDOFF HEX M4X0.7 6X31.9H	3	
ZMC12S14AYE-9	STANDOFF HEX M4X0.7 6X61.9H	3	
ZMC12S15AYE-6	STANDOFF HEX M4X0.7 6X111.2H	1	
ZNSSM4045HZ-4	NUT M4 HEXAGON CIRCULAR EXTERNAL	4	
ZPC1002GAGY-9	DOOR AVR430/630	1	
ZPC1003GAGY-5	BUTTON POWER	1	
ZPC1005GAGY-8	BUTTON 8 KEY	1	
ZPC1006GAWH-0	BUTTON STANDBY	1	
ZPC1007GAMW-9	INDICATOR STAND-BY	1	
ZPC1017GABK-6	HOLDER VFD AVR430/630	1	
ZPC1102GAMW-1	INDICATOR VIDEO 4	2	
ZPC1103GAGY-A	FOOT 50MM 15.8MM	4	
ZPD1201GAGY-4	PANEL FRONT AVR635	1	
ZSMCM4008BY-1	SCREW BM 4X8	5	
ZSMCM4010BB-5	SCREW BM 4X10	5	
ZSTBM3008BY-1	SCREW ST BH 3X8	1	
ZSTBM3010BB-5	SCREW ST BH 3X10	64	
ZSTBM3012BY-A	SCREW ST BH 3X12 PIVOT	36	
ZSTGM3010BB-3	SCREW ST BH 3X10 GROUND	50	
ZSTWM3006BB-3	SCREW ST WPH 3X6	7	
ZSTWM3008BY-8	SCREW ST WPH 3X8	49	
ZSTWM3A08BY-6	SCREW ST W7.5PH 3X8	3	
ZSTWM4008BC-3	SCREW ST WPH 4X8 SILVER CHROM	14	
ZTB017030AA-4	CABLE TIE 100MM NYLON 6	34	
ZUC1201AABK-7	SPONGE 30X30X10T BK	3	
ZV4P00030TH-3	HEAT SHRINK TUBE L30MM*D4.0MM*T0.5MM	4	
ZWF793008PO-5	WASHER FIBER 3 0.8T	5	
ZWM623108SZ-2	WASHER SPRING 3	35	
ZWM763109SZ-2	AC SPRING WASHER RT2250(PAV5005)	4	
ZWM803305PZ-1	WASHER PLAIN 3	16	
ZWMC04810PZ-5	WASHER PLAIN 4	4	

PACKING

Part Number	Description	Usage	Position No
3SA-4212EU-PA00-1-7	PKG BOM AVR635EU	1	
BTA3A1511SF-0	BATTERY ALKALINE 1.5V AAA	2	
H03-ATALF039ABK-5	ANTENNA WIRE ANTENNA LOOP CT01-AM 0 0	1	
H03-MCD12TWBKNN-8	AVR635 MICROPHONE ASSY	1	
H03-RYC1202HA00-0	REMOCON ZONE 2	1	
H03-RYD2101HA00-8	REMOCON AVR635EU	1	
H03-WAD01200303-9	ANTENNA WIRE 75 OHM WIRE CT03-FM 00	1	
H03-WAD022000BK-8	WR002 H05VVF 0.75MMSQ 2G BLACK 2000MM	1	
H03-ZPD1212INBK-5	MICROPHONE ASSY EXTENSION PIECE	1	
ZBP00020350-4	POLYBAG BATTERY	1	
ZBP00122051-8	BAG PE 330 X245 T0.05	1	
ZBP00161851-1	BAG PE 160X180MM	1	
ZHC1201AAWH-A	FILM SHEET PE 920 X 1000 0.3-0.7T	1	
ZKC1113HA00-9	CARD WARRANTY	1	
ZKC1214HA00-A	LABEL SAFETY LEAFLET	1	
ZKC1263HA00-0	INSERT RS232 NOTE PAPER	1	
ZKD1202HA00-4	CARTON BOX FOR MIC	1	
ZKD1216HA00-5	QUICK SETUP GUIDE AVR635	1	
ZKD1263HA00-3	BROCHURE AVR US	1	

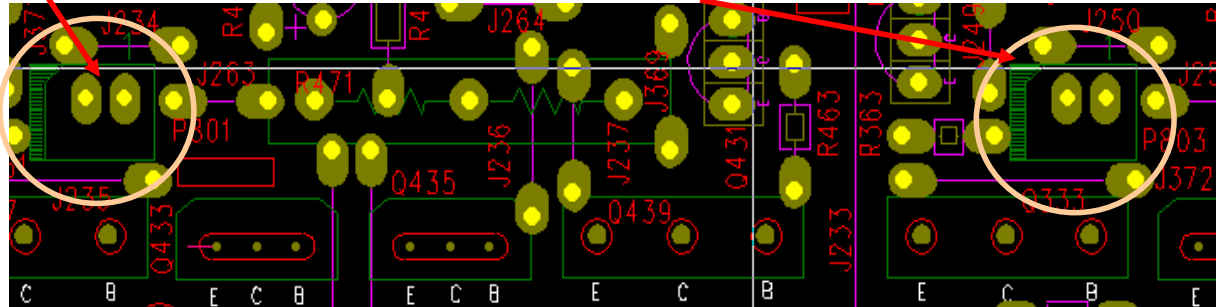
PACKING

Part Number	Description	Usage	Posistion No
ZKD2101HA00-7	MANUAL AVR635 EU	1	
ZKD2104HA00-6	BOX CARTON AVR635 EU	1	
ZQD1201HAWH-A	CUSHION POLY EPS RIGHT AVR635	1	
ZQD1202HAWH-6	CUSHION POLY EPS LEFT AVR635	1	

➡ Power is on and After 5 Minutes. Please, adjust Bias as below,

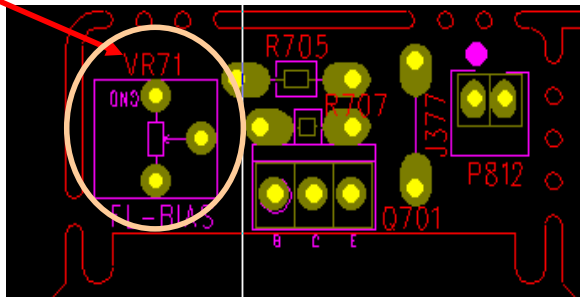
- | | | |
|---------------|-------------------------------------|-----------------|
| 1. MAIN B'D | Adjust | Measure at |
| ▶ Front Left | → use VR71 , set to 23mV +2mV/-1mV. | Test point P801 |
| ▶ Surr Left | → use VR73 , set to 23mV +2mV/-1mV. | Test point P803 |
| ▶ Front Right | → use VR72 , set to 23mV +2mV/-1mV. | Test point P802 |
| ▶ Surr Right | → use VR74 , set to 23mV +2mV/-1mV. | Test point P804 |

P801 FRONT L-CH

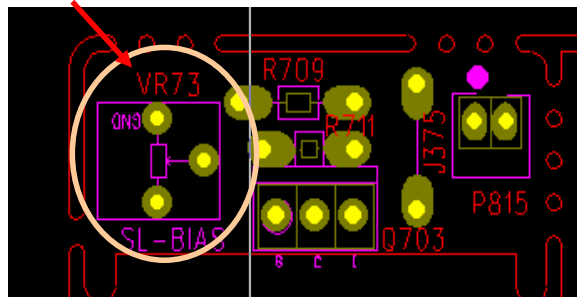


P803 SURROUND L-CH

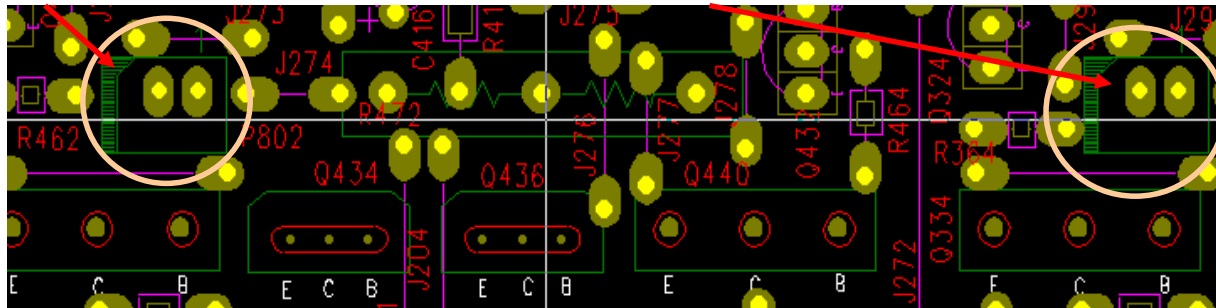
VR71 FRONT L-CH



VR73 SURROUND L-CH

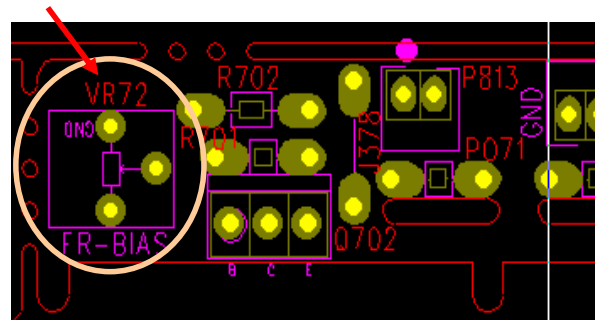


P802 FRONT R-CH

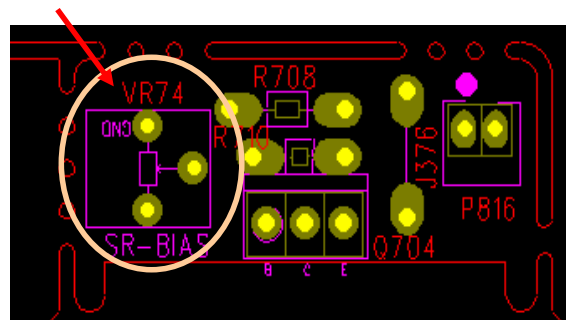


P804 SURROUND R-CH

VR72 FRONT R-CH



VR74 SURROUND R-CH



Power is on and After 5 Minutes. Please, adjust Bias as below,

2. BACK SURROUND B'D

- ▶ SBL
- ▶ Center
- ▶ SBR

Adjust

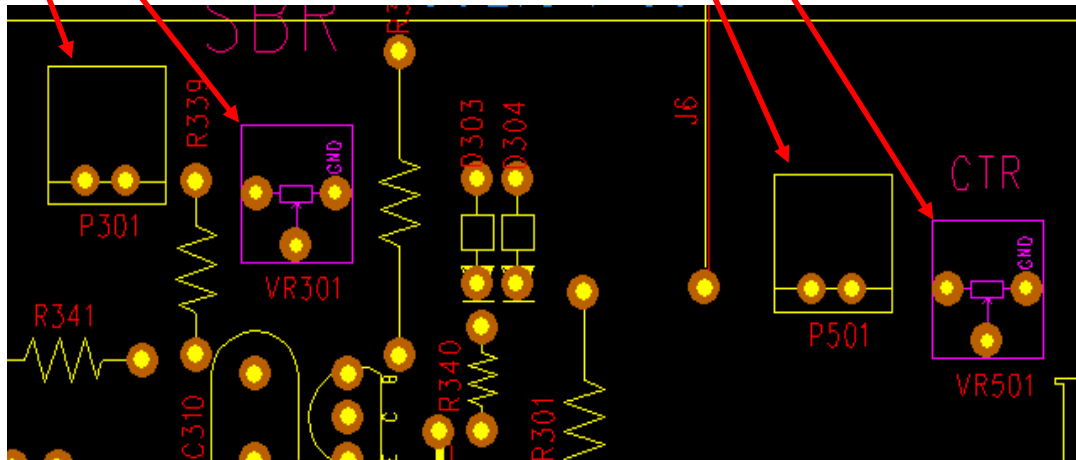
- use VR201 , set to 23mV +2mV/-1mV.
- use VR501 ,set to 23mV +2mV/-1mV.
- use VR301, set to 25mV +2mV/-1mV.

Measure at

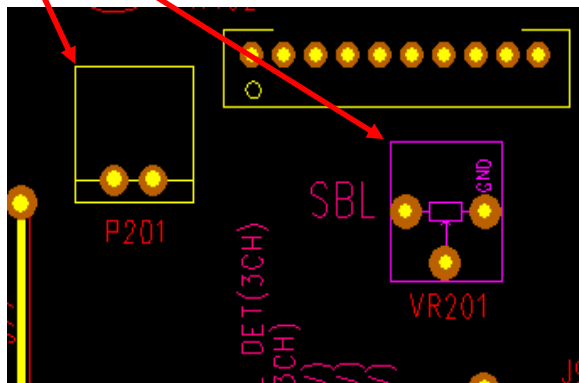
- Test Point 201
- Test Point 501
- Test Point 301

P301 VR301 BACK SURROUND R-CH

P501 VR501 CENTER-CH

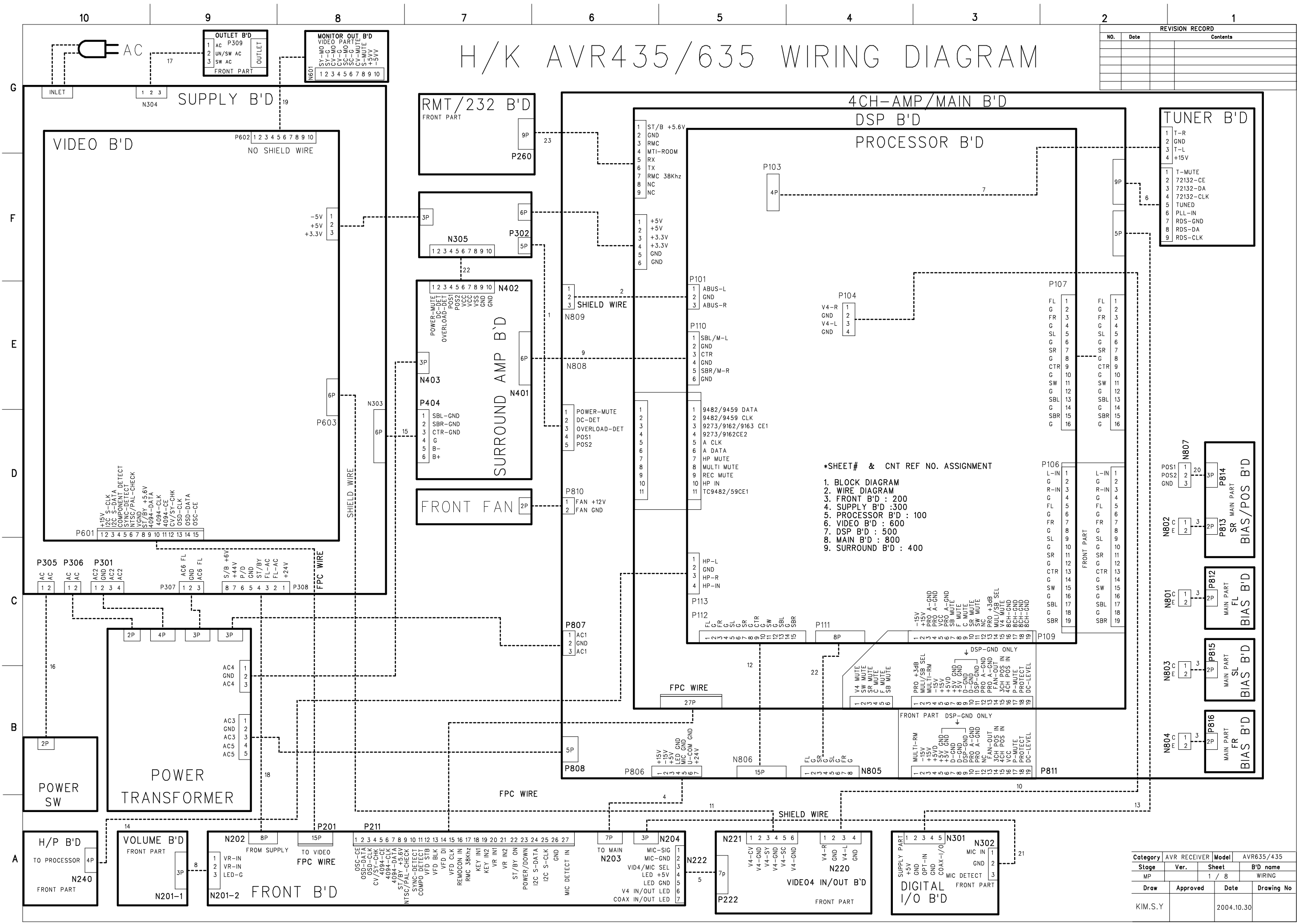


P201 VR201 BACK SURROUND L-CH



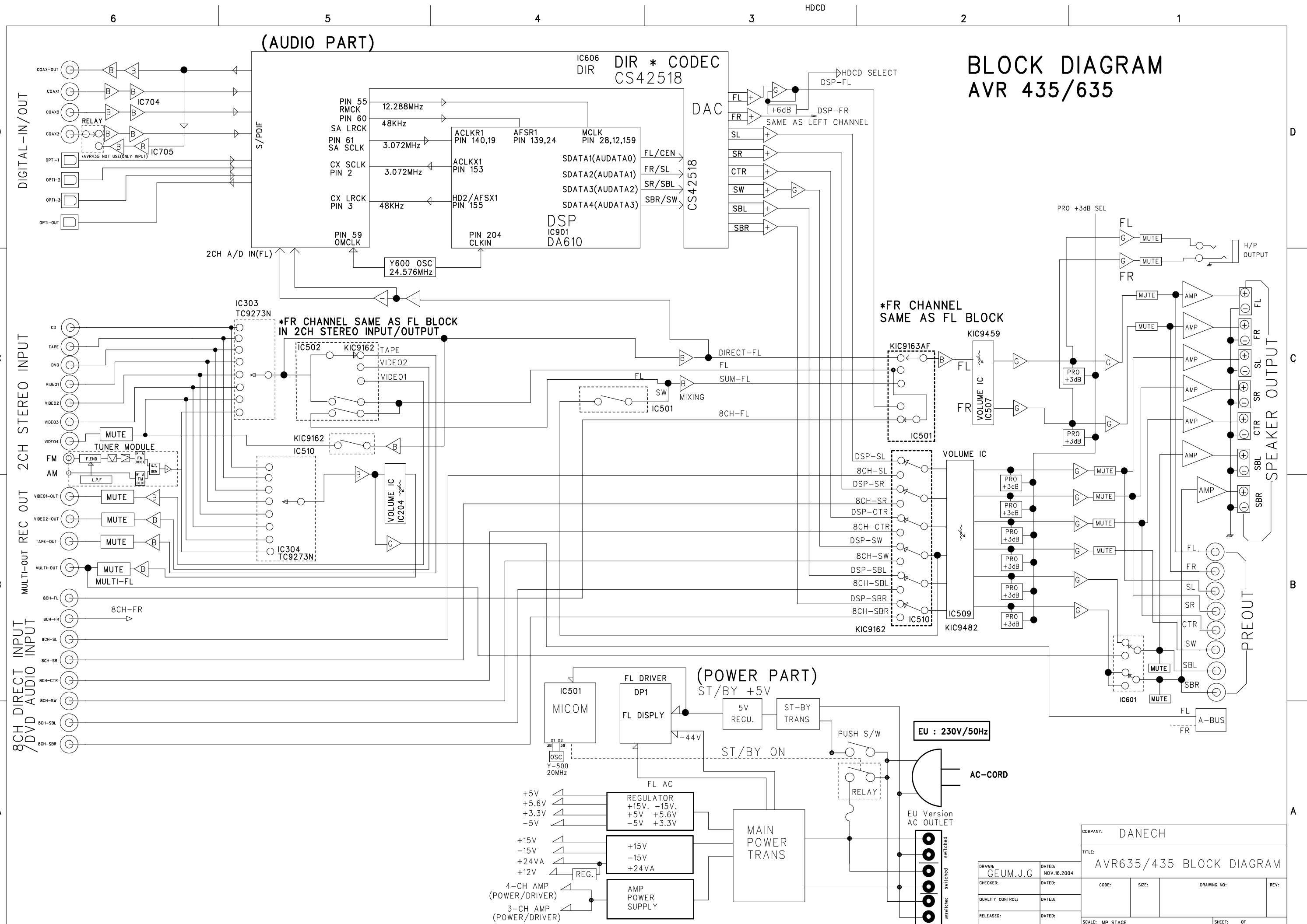
H/K AVR435/635 WIRING DIAGRAM

REVISION RECORD		
NO.	Date	Contents



- *SHEET# & CNT REF NO. ASSIGNMENT**
1. BLOCK DIAGRAM
 2. WIRE DIAGRAM
 3. FRONT B'D : 200
 4. SUPPLY B'D : 300
 5. PROCESSOR B'D : 100
 6. VIDEO B'D : 600
 7. DSP B'D : 500
 8. MAIN B'D : 800
 9. SURROUND B'D : 400

Category	AVR RECEIVER	Model	AVR635/435
Stage	Ver.	Sheet	B'D name
MP		1 / 8	WIRING
Draw	Approved	Date	Drawing No
KIM.S.Y		2004.10.30	



(AUDIO PART)

BLOCK DIAGRAM
AVR 435/635

IC606 DIR * CODEC
CS4258

DSP
IC901
DA610

DAC
CS4258

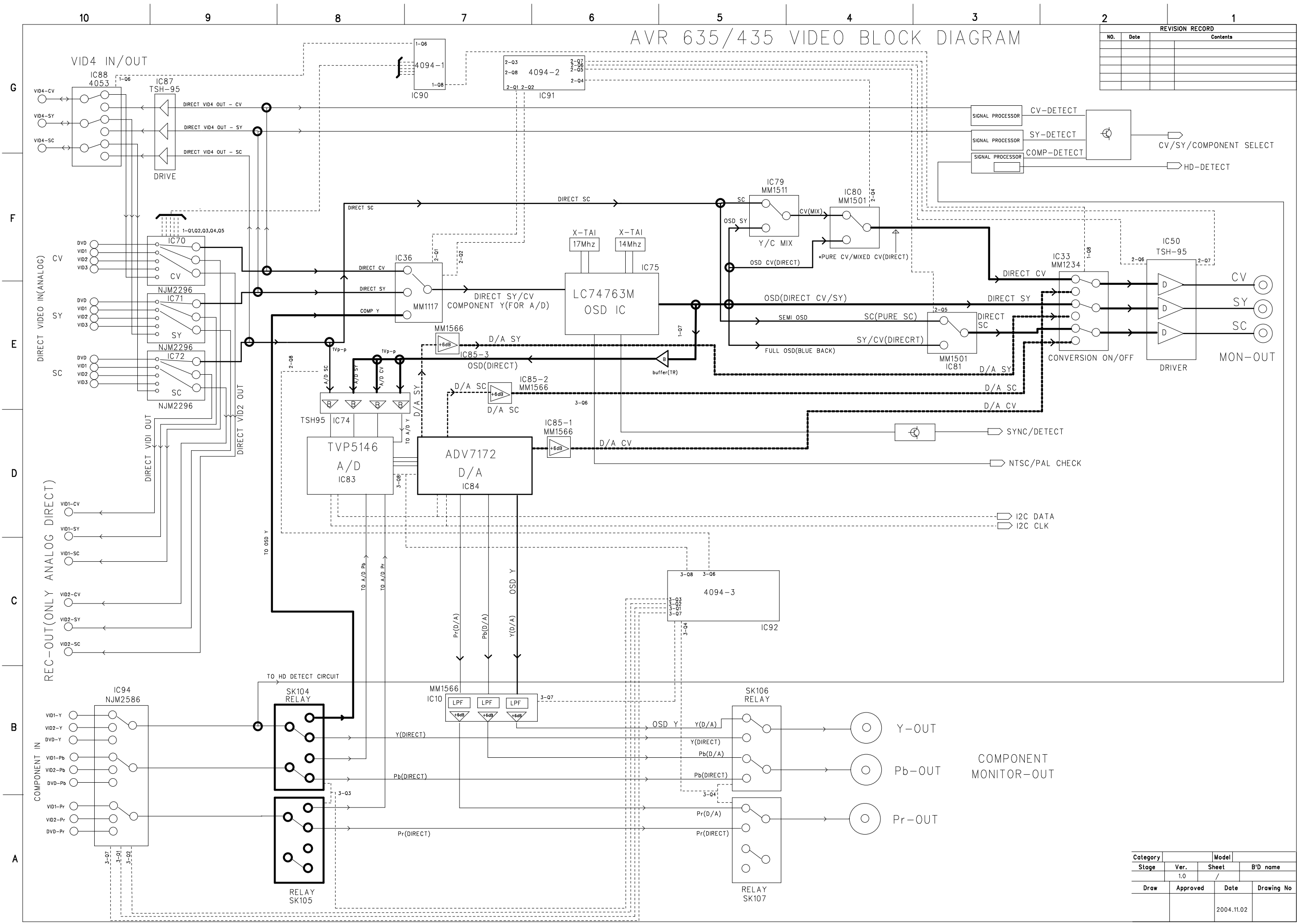
*FR CHANNEL
SAME AS FL BLOCK

(POWER PART)

COMPANY: DANECH	
TITLE: AVR635/435 BLOCK DIAGRAM	
DRAWN: GEUM.J.G	DATED: NOV.16.2004
CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED:	DATED:
SCALE: MP STAGE	SHEET: OF

AVR 635/435 VIDEO BLOCK DIAGRAM

REVISION RECORD		
NO.	Date	Contents



Category	Ver.	Sheet	B'D name
	1.0	/	
Draw	Approved	Date	Drawing No
		2004.11.02	

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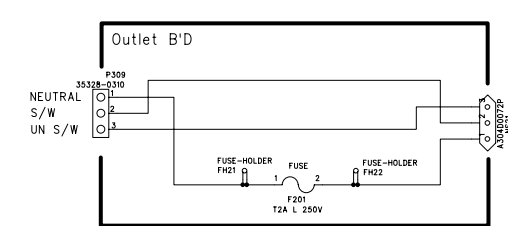
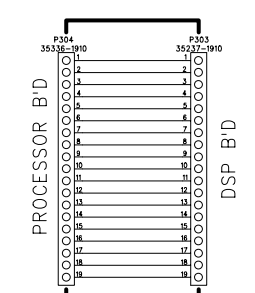
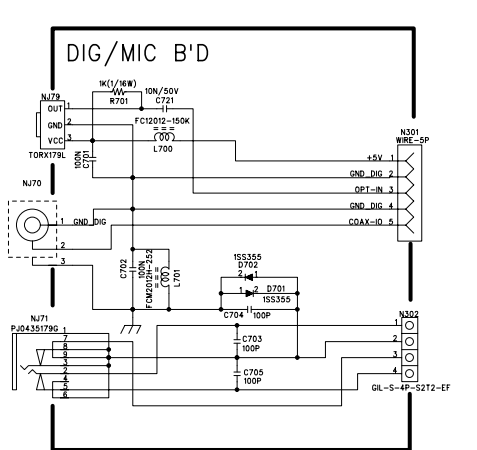
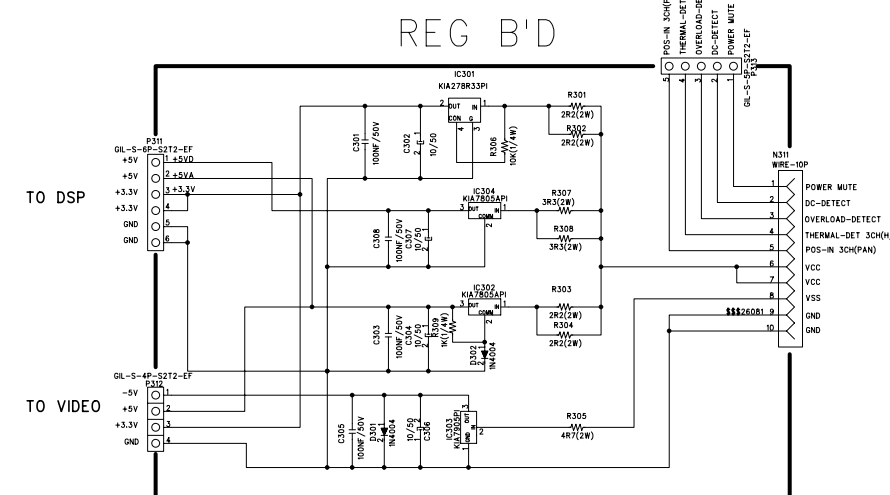
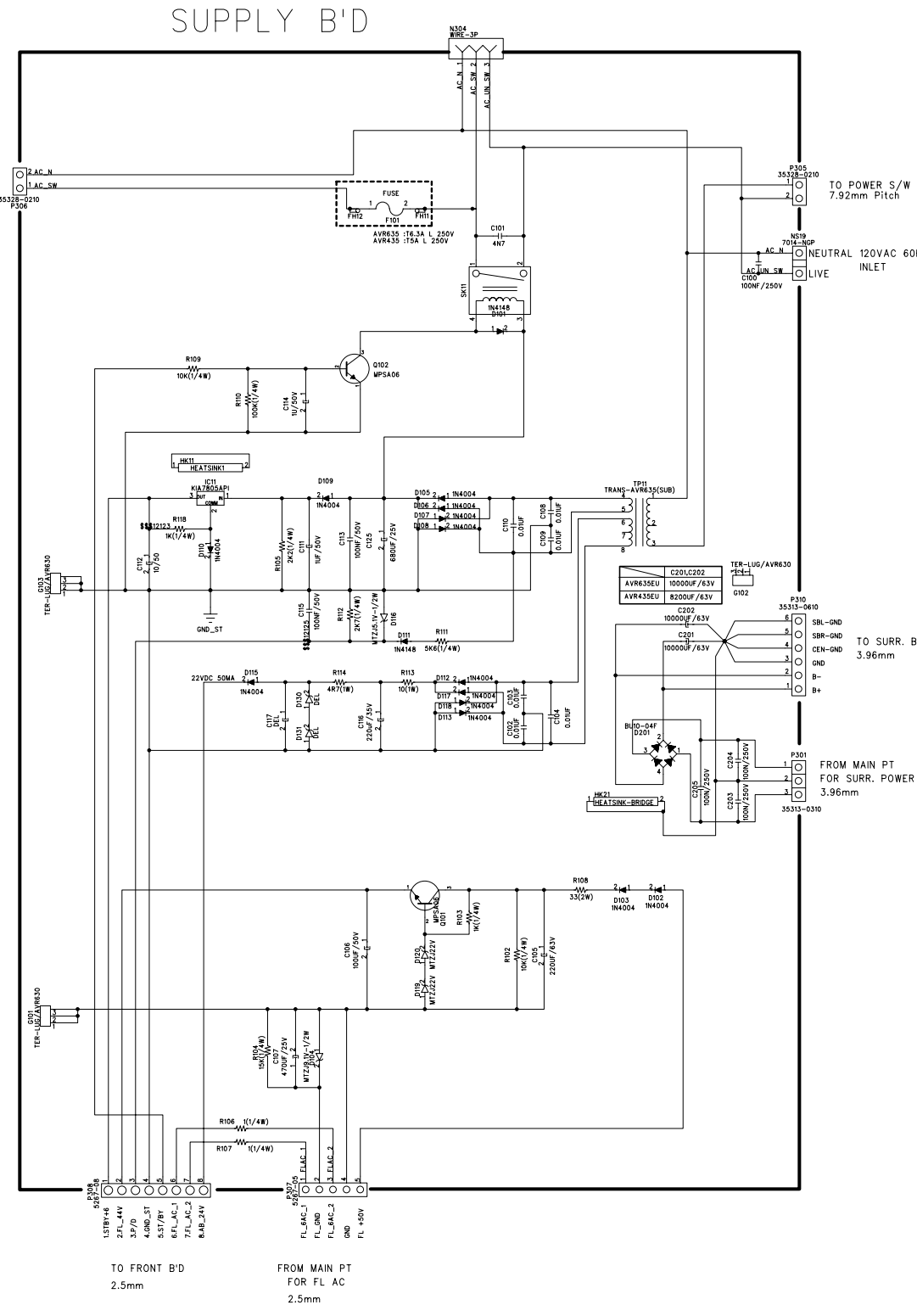
2

1

AVR 635/435 EU SUPPLY & REG SCHEMATIC DIAGRAM

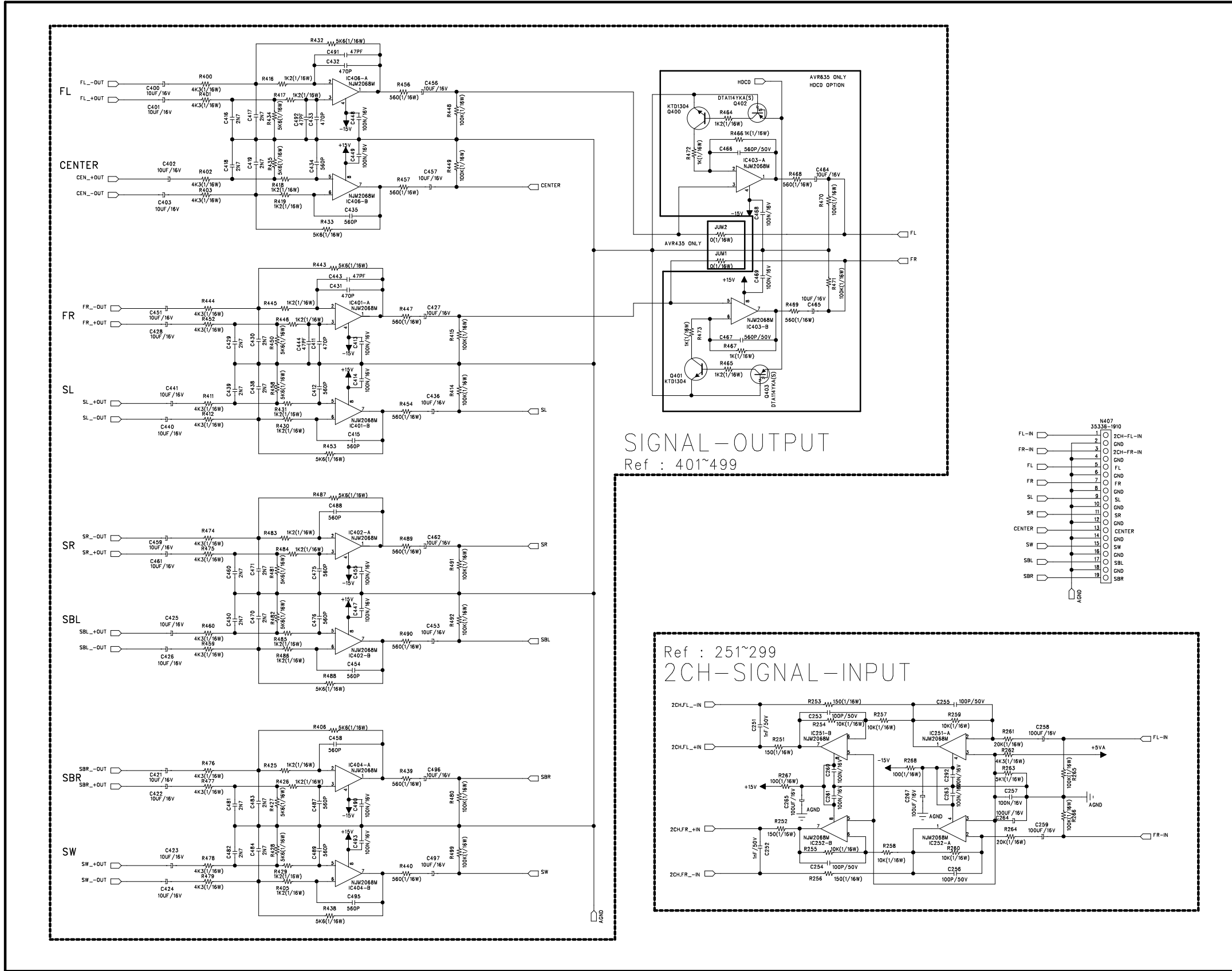
REVISION RECORD		
No.	Date	Contents

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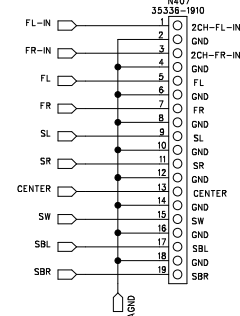
Category	A/V RECEIVER	Model	AVR635/435
Stage	Ver.	Sheet	B'D name
MP	v0.0	/	SUPP/REGU
Draw	Approved	Date	Drawing No
S.Y .KIM		11/JAN/05	

REVISION RECORD		
NO.	Date	Contents



SIGNAL-OUTPUT
Ref : 401~499

Ref : 251~299
2CH-SIGNAL-INPUT



Category	AV RECEIVER	Model	AVR635/435
Stage	Ver.	Sheet	B'D name
MP	v2.101	/	PROCESSOR
Draw	Approved	Date	Drawing No
		2004/11/30	

REVISION RECORD		
NO.	Date	Contents

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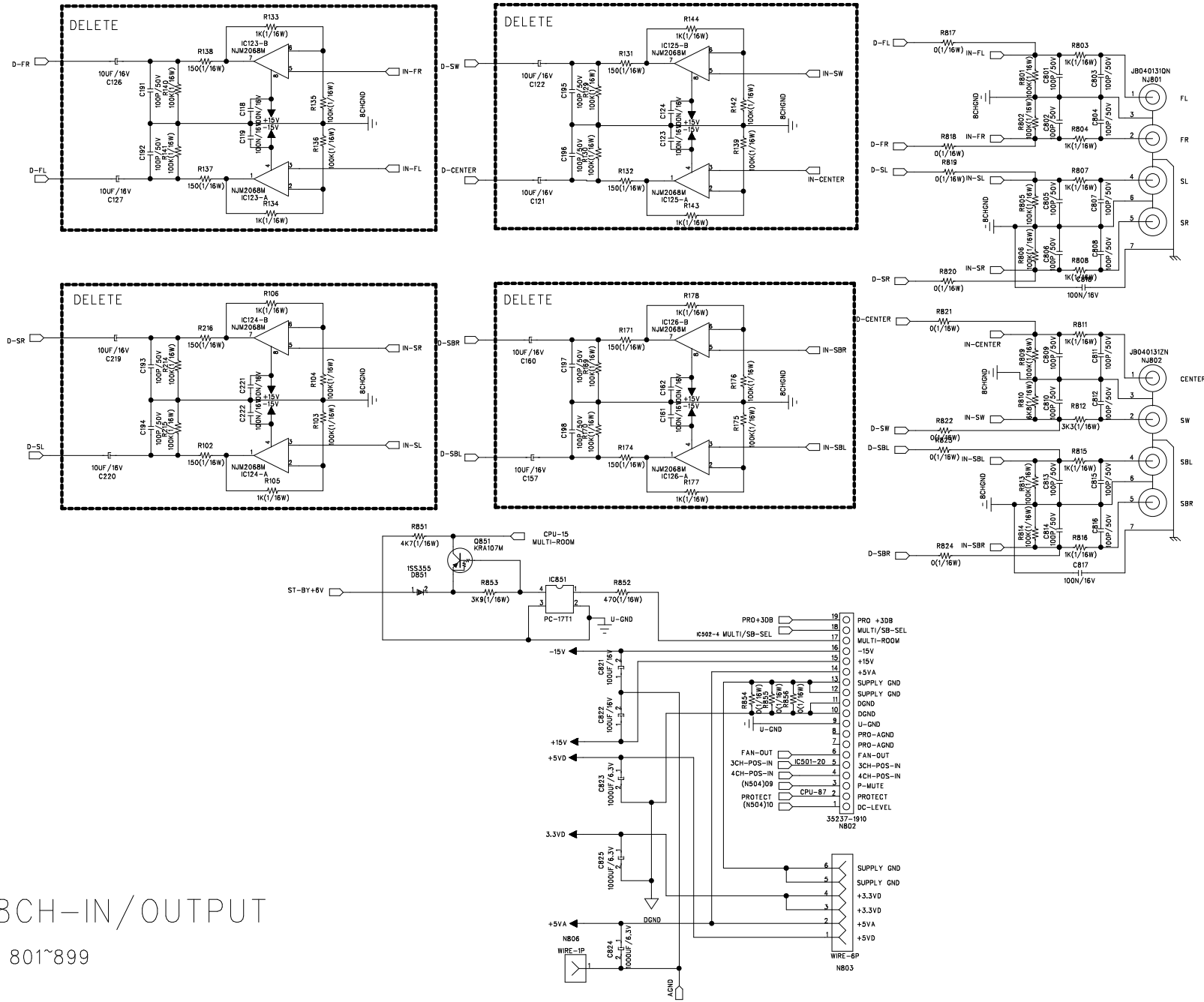
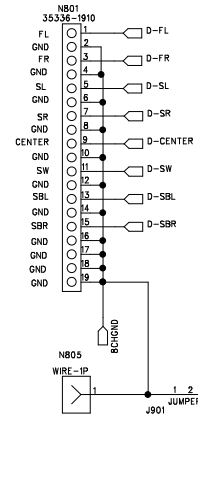
D

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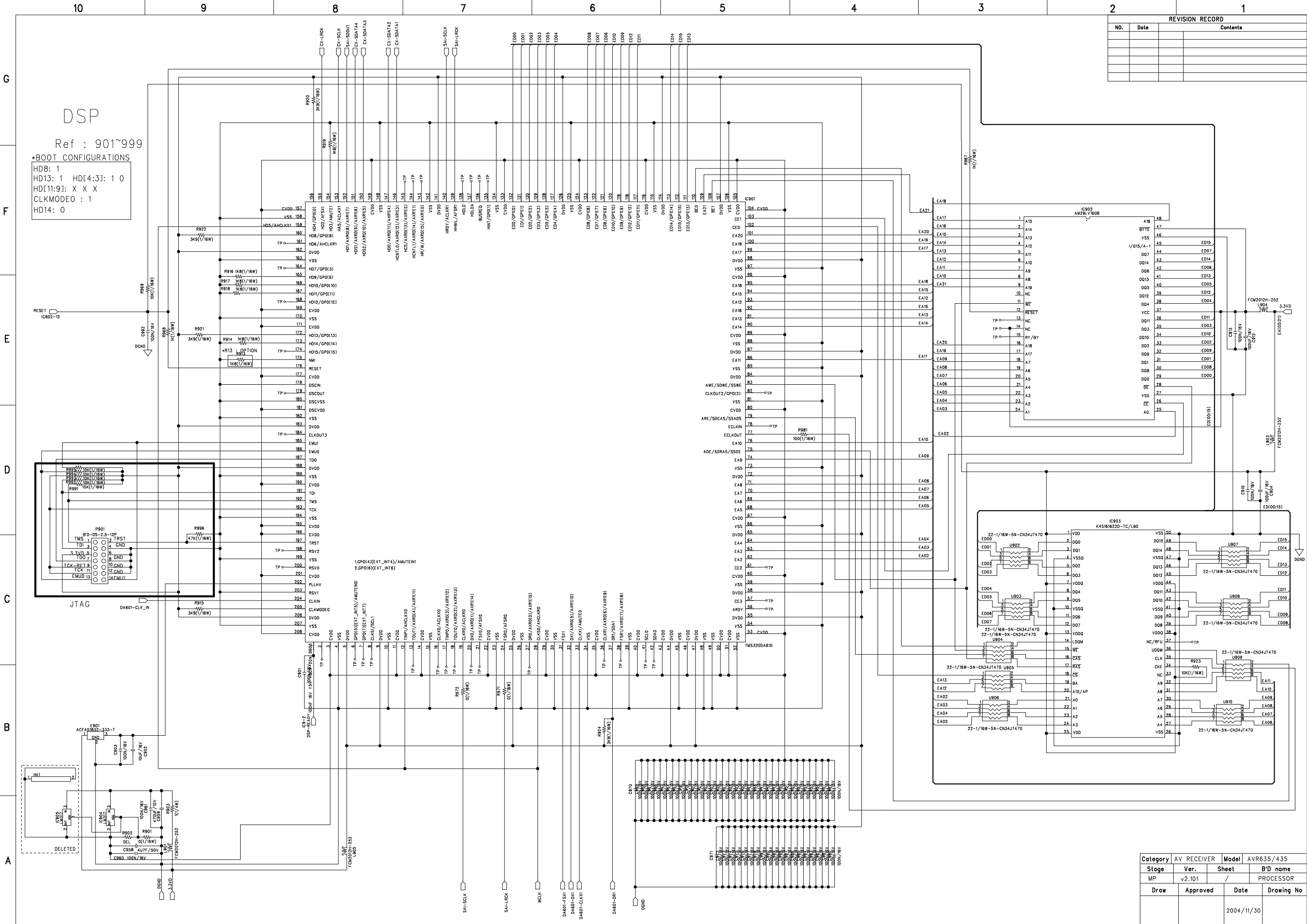
8ch-D



POWER/GND/8CH-IN/OUTPUT
 Ref : 101~251 Ref : 801~899

Category	AV RECEIVER	Model	AVR635/435
Stage	Ver.	Sheet	B'D name
MP	v2.101	/	PROCESSOR
Draw	Approved	Date	Drawing No
		2004/11/30	

REVISION RECORD		
NO.	Date	Contents

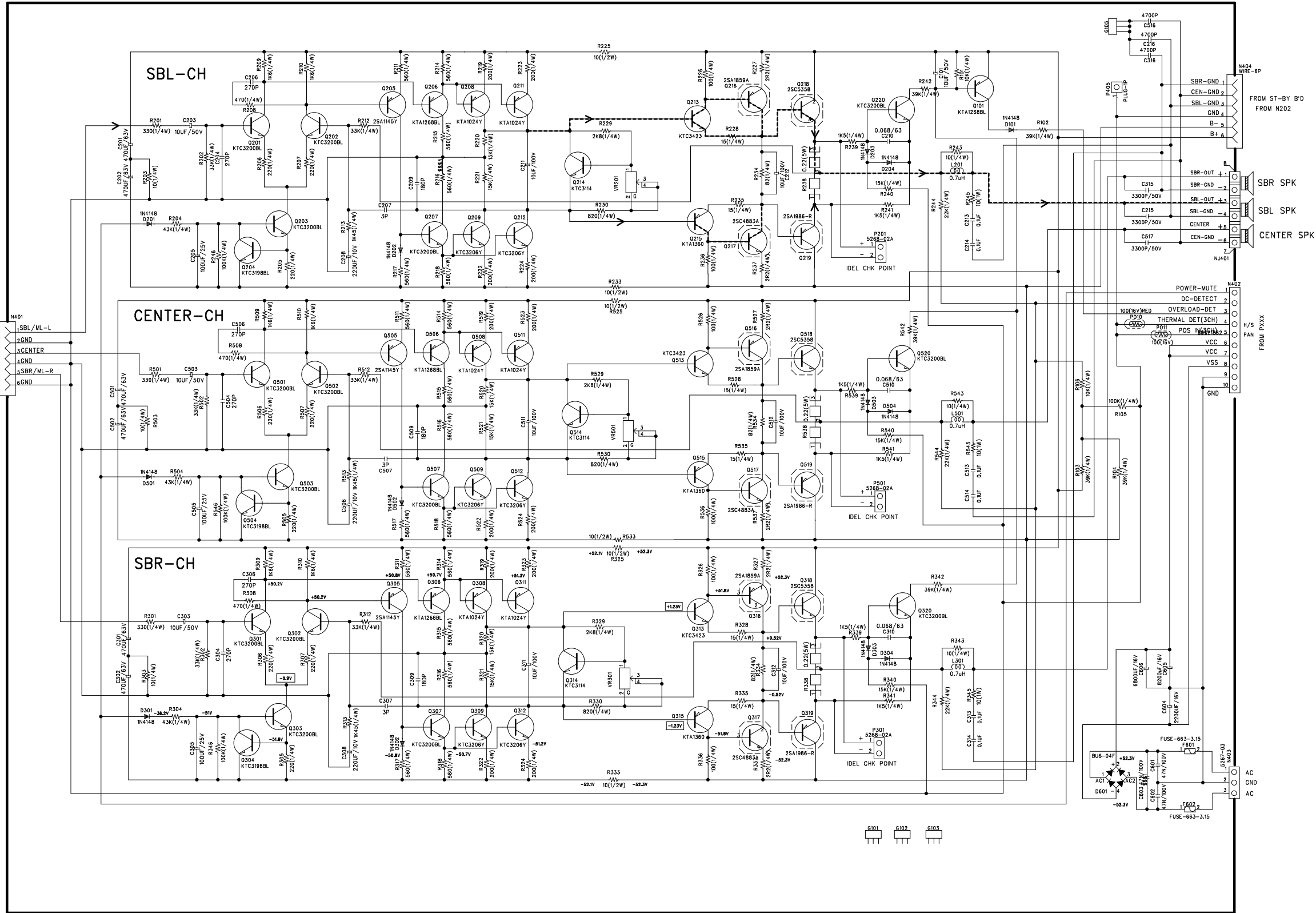


DSP
Ref : 901~999
*BOOT CONFIGURATIONS
HD8: 1
HD13: 1 HD14:3:1 0
HD11:9: X X X
CLKMODE0 : 1
HD14: 0

Category	AV RECEIVER	Model	AVR635/435
Stage	Ver.	Sheet	B'D name
MP	v2.101	/	PROCESSOR
Draw	Approved	Date	Drawing No
		2004/11/30	

AVR 635 CENTER SB AMP SCHEMATIC DIAGRAM

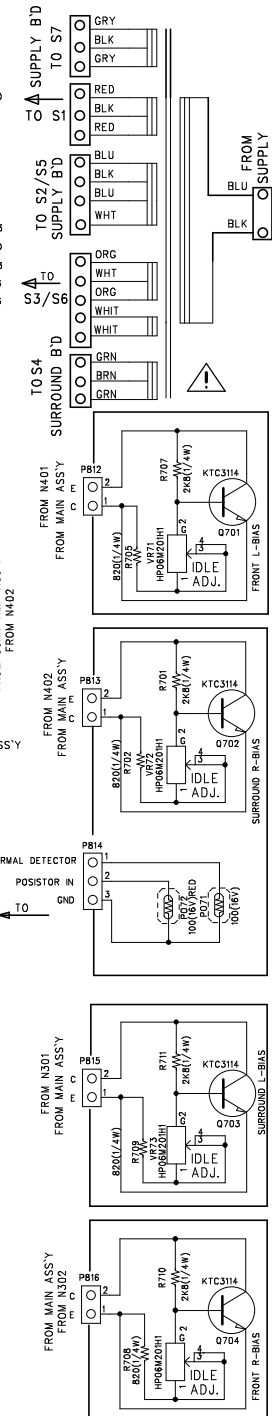
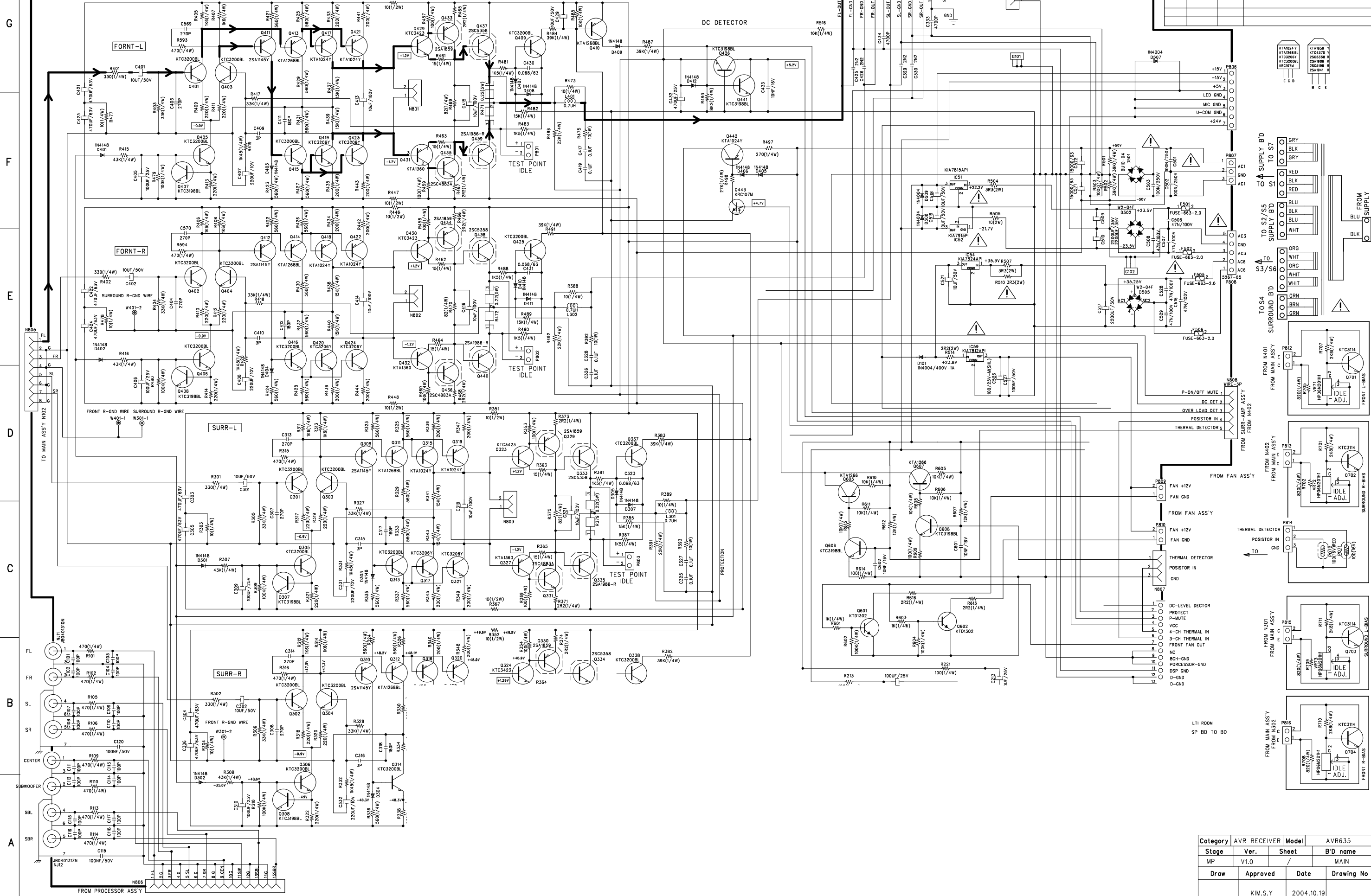
REVISION RECORD		
NO.	Date	Contents



Category	AVR RECEIVER	Model	AVR635
Stage	MP	Ver.	/
Sheet	/	B'D name	SURROUND
Draw	KIM.S.Y	Approved	
Date	2004.10.19	Drawing No	

AVR 635 MAIN AMP SCHEMATIC DIAGRAM

REVISION RECORD		
NO.	Date	Contents

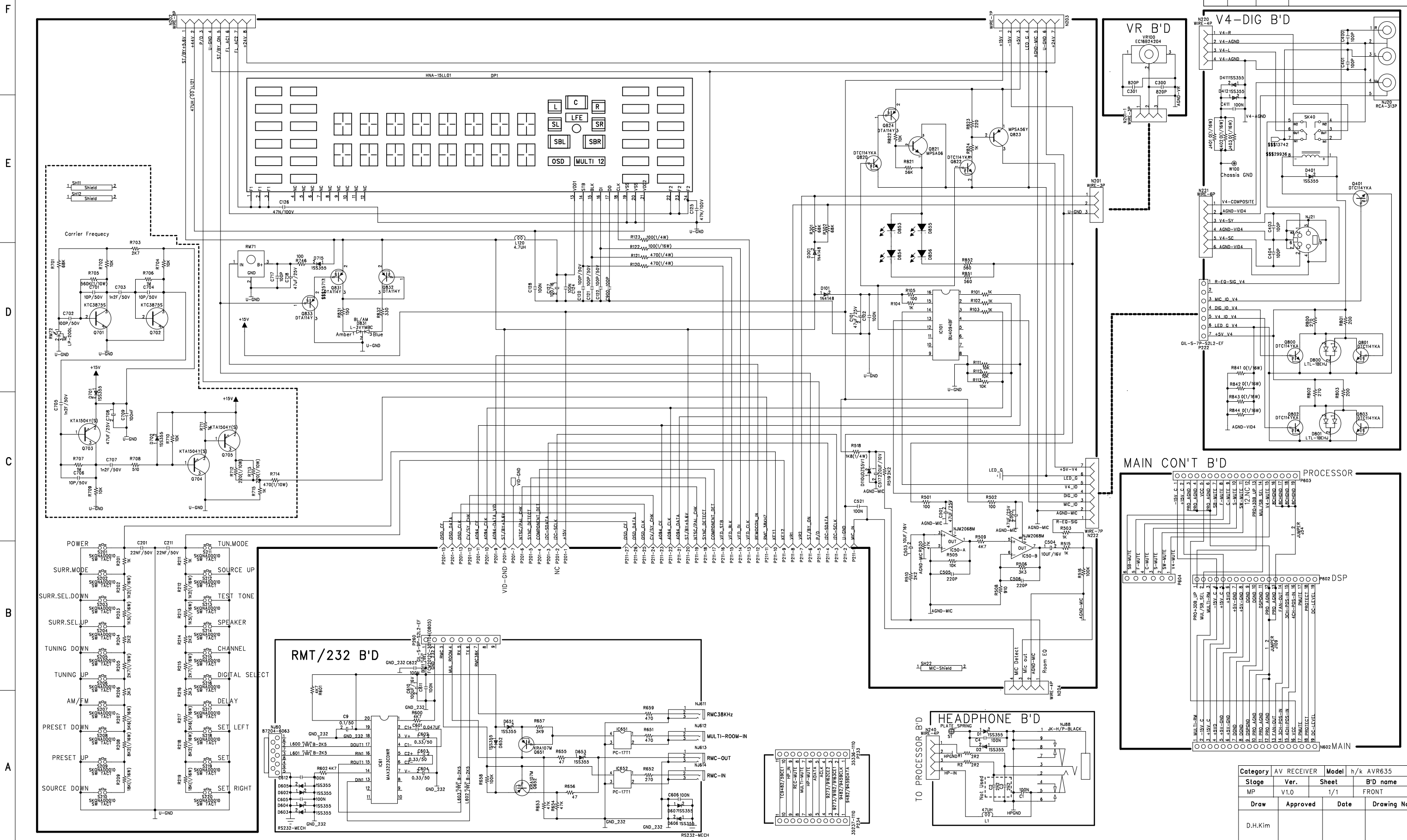


Category	AVR RECEIVER	Model	AVR635
Stage	Ver.	Sheet	B'D name
MP	V1.0	/	MAIN
Draw	Approved	Date	Drawing No
		KIM.S.Y	2004.10.19

SCHEMATIC DIAGRAM

harman/kardon
AVR635/435 FRONT

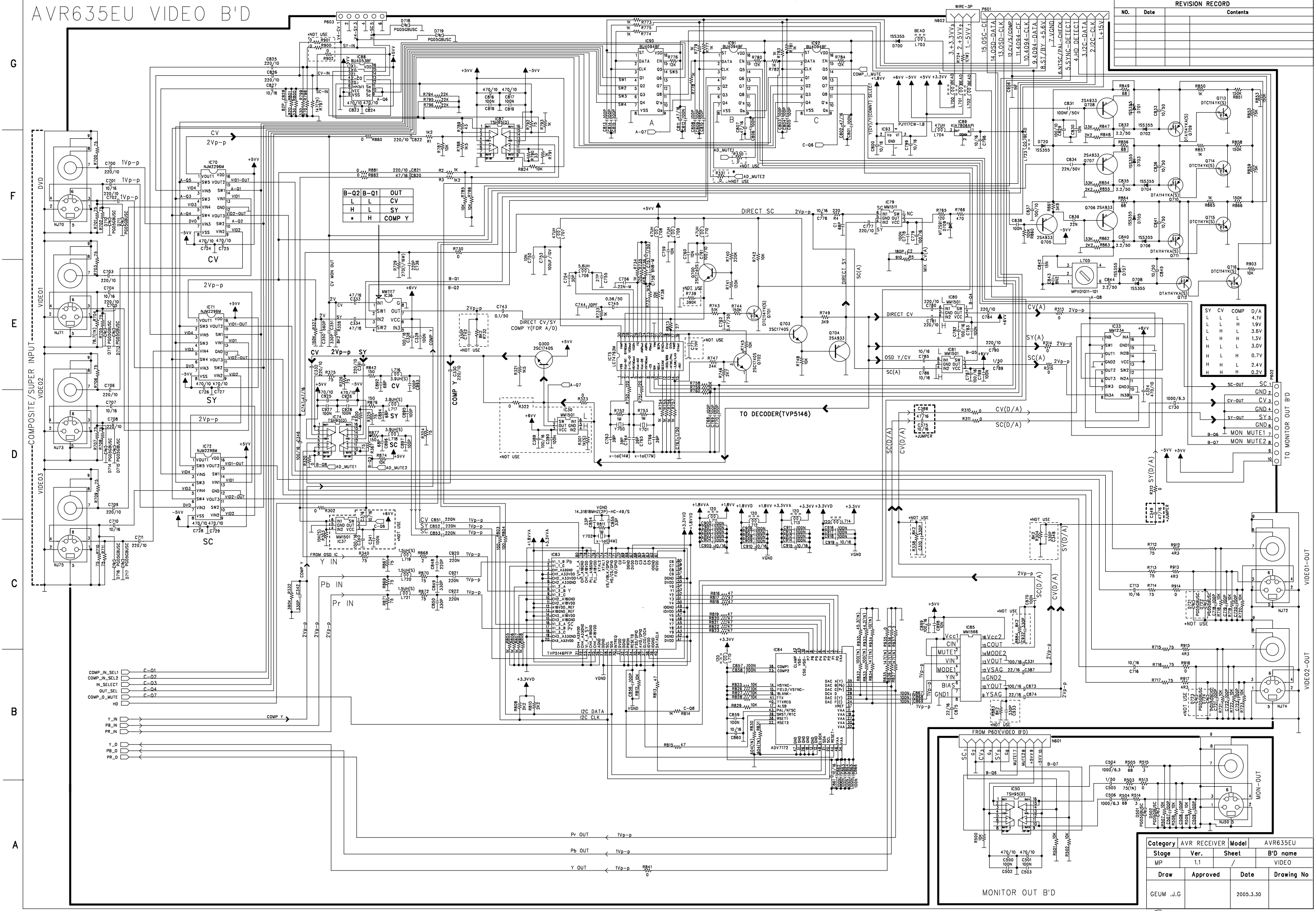
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NO.	Date	Contents



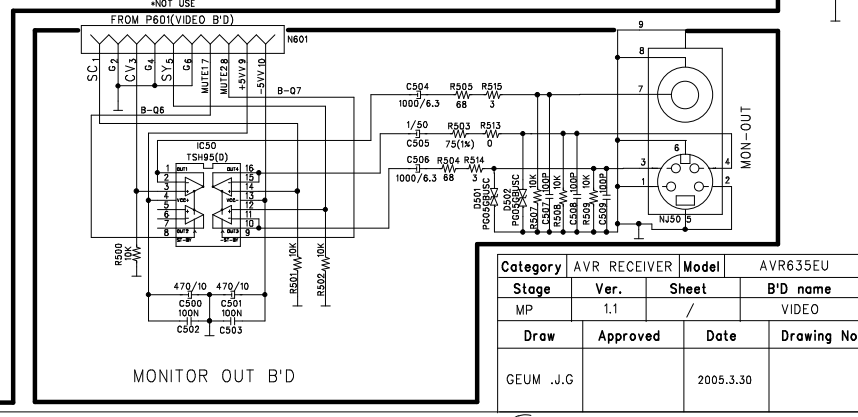
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Stage	Ver.	Sheet	B'D name
MP	V1.0	1/1	FRONT
Draw	Approved	Date	Drawing No
D.H.Kim			

AVR635EU VIDEO B'D

REVISION RECORD		
NO.	Date	Contents



Category	AVR RECEIVER	Model	AVR635EU
Stage	Ver.	Sheet	B'D name
MP	1.1	/	VIDEO
Draw	Approved	Date	Drawing No
GEUM	.J.G	2005.3.30	

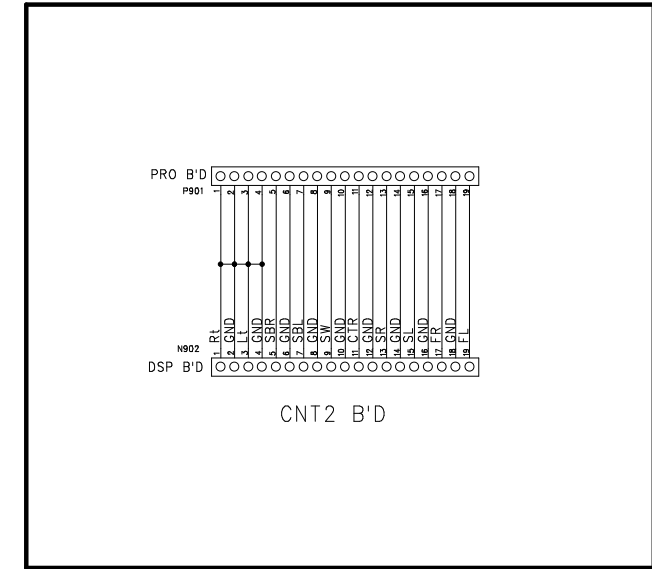
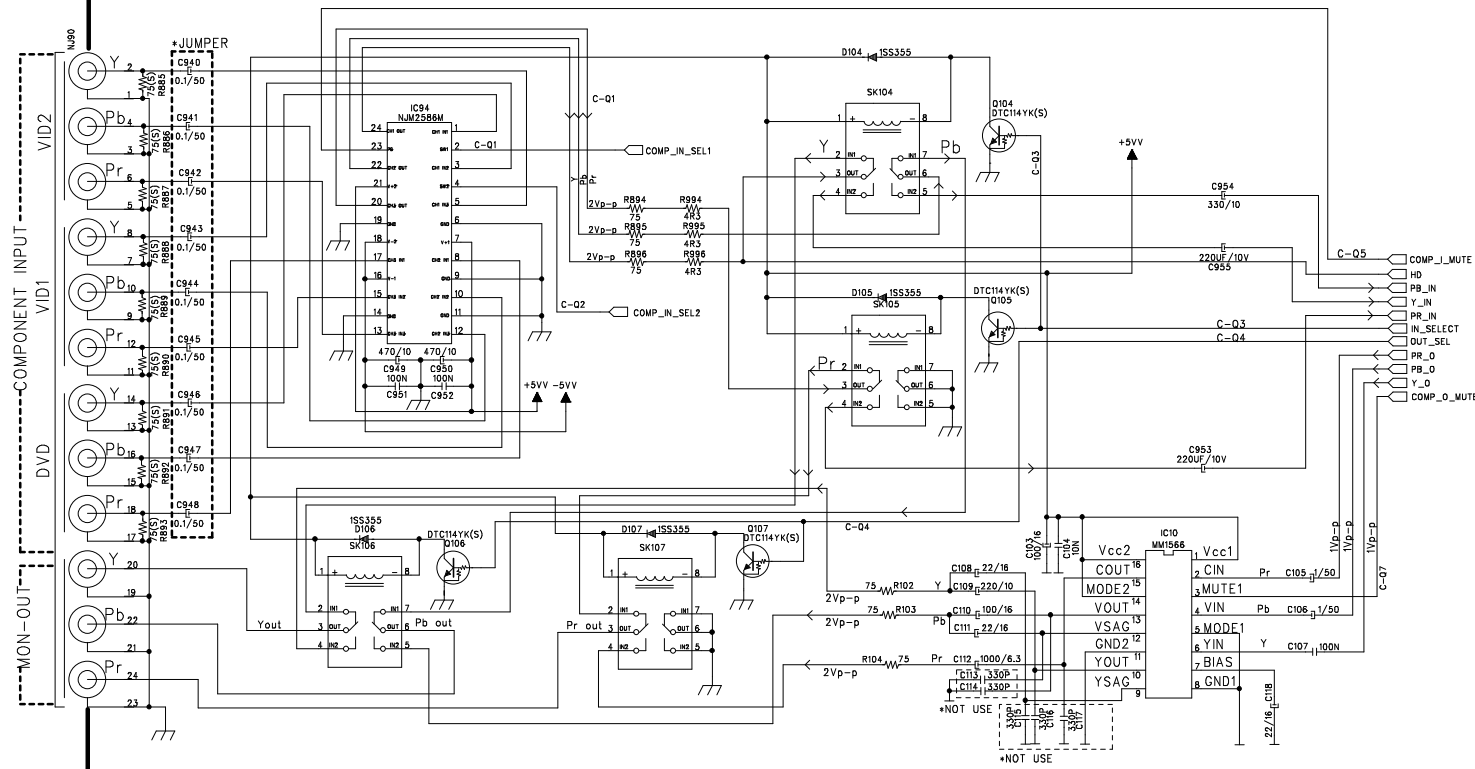


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TO MONITOR OUT B'D
VIDEO1-OUT
VIDEO2-OUT

REVISION RECORD		
NO.	Date	Contents

COMPONENT B'D



CNT2 B'D

Category	AVR RECEIVER	Model	AVR635 EU
Stage	Ver.	Sheet	B'D name
MP	1.1	/	VIDEO
Draw	Approved	Date	Drawing No
GEUM.J.G		2005.3.30	