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**IC-208H**

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**[VERSION LIST]**

Model	Version	Power (W) VHF / UHF
IC-208H	TPE	25 / 25
	USA	55 / 50
	KOR	50 / 50
	AUS	55 / 50
	EXP	
	CHN	

# PARTS LIST

**[CONTROL UNIT]**

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1110005781	S.IC S-80945CLMC-G7FG	T	65.4/22.95
IC5	1180000421	S.IC TA78L05F(TE12RF)	B	41.8/66.95
IC6	1140011371	S.IC HD6433842RB36HV(FX-2633D)	T	51.9/29.7
Q1	1530002691	S.TRA 2SC4116-GR(TE85RF)	B	68.7/4.6
Q2	1590001650	S.TRA XP4601(TX)	T	69.3/28.6
Q3	1510000691	S.TRA 2SA1734(TE12RF)	T	23.1/48.0
Q6	1530002691	S.TRA 2SC4116-GR(TE85RF)	T	44.1/22.15
Q7	1530002691	S.TRA 2SC4116-GR(TE85RF)	B	63.8/32.6
D4	1790001001	S.ZEN MAZ8062GLL	B	38.3/23.3
D5	1790001171	S.ZEN MAZ8068GML	B	74.6/14.5
X1	6060000860	S.CER PBRC4.91HR30X000	B	44.2/7.0
R1	7210002920	VAR EVU-F2AF20B55 (560K)		
R2	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	7.6/13.7
R5	7210002920	VAR EVU-F2AF20B55 (560K)		
R6	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	13/17.9
R9	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	18/20.35
R11	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	23.4/19.15
R13	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	21.5/17.45
R14	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	24.8/19.1
R21	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	31.2/21.75
R22	7030003760	S.RES ERJ3GEYJ 474 V (470K)	T	32.4/16.4
R23	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	35.9/21.5
R24	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	38.5/19.0
R25	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	38.5/21.6
R26	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	39.8/19.0
R28	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	64.7/8.3
R29	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	64.7/5.4
R41	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	41.2/7.3
R42	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	80.8/16.4
R43	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	79.9/12.5
R44	7030001120	S.RES MCR50JZHJ 82 (820)	B	72.4/22.4
R58	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	44.1/23.3
R59	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	42.2/21.4
R60	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	40.4/22.2
R61	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	65.4/10.4
R65	7030000360	S.RES MCR10EZHZ 680 (681)	B	83.4/5.8
R74	7030000360	S.RES MCR10EZHZ 680 (681)	B	9.4/31.2
R75	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	41.2/10.1
R76	7030003640	S.RES ERJ3GEYJ 473 V (47K)	B	60.5/5.4
R77	7030003570	S.RES ERJ3GEYJ 123 V (12K)	B	61.9/5.4
R79	7030000380	S.RES MCR10EZHZ 1 K (102)	B	10.9/23.0
R80	7030000380	S.RES MCR10EZHZ 1 K (102)	B	10.9/18.3
R81	7030000360	S.RES MCR10EZHZ 680 (681)	B	43.9/2.0
R82	7030000360	S.RES MCR10EZHZ 680 (681)	B	21.3/4.6
R84	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	45.5/25.2
W1	7030000010	S.RES MCR10EZHZ JPW (000)	B	85.6/11.5
C1	4030006880	S.CER C1608 JB 1H 472K-T	B	99.8/18.7
C3	4030006880	S.CER C1608 JB 1H 472K-T	B	92.1/10.7
C5	4030007130	S.CER C1608 CH 1H 101J-T	B	78.5/12.5
C7	4030007130	S.CER C1608 CH 1H 101J-T	B	69.9/2.8
C8	4030007130	S.CER C1608 CH 1H 101J-T	B	77.1/12.5
C10	4030007130	S.CER C1608 CH 1H 101J-T	B	65.4/3.3
C25	4030006860	S.CER C1608 JB 1H 102K-T	B	36.3/20.8
C26	4030006900	S.CER C1608 JB 1H 103K-T	B	36.0/10.2
C27	4030006860	S.CER C1608 JB 1H 102K-T	B	33.6/20.8
C29	4030006860	S.CER C1608 JB 1H 102K-T	B	29.5/20.6
C30	4030007090	S.CER C1608 CH 1H 470J-T	B	34.7/6.4
C31	4030007090	S.CER C1608 CH 1H 470J-T	B	33.4/6.4
C34	4030006900	S.CER C1608 JB 1H 103K-T	B	45.4/26.5
C35	4030011600	S.CER C1608 JB 1E 104K-T	B	43.2/25.0
C36	4030011600	S.CER C1608 JB 1E 104K-T	B	42.2/24.1
C37	4030011600	S.CER C1608 JB 1E 104K-T	B	41.3/23.2
C46	4510007310	S.ELE 16 CE 10 BS	B	72.1/6.5
C49	4030006900	S.CER C1608 JB 1H 103K-T	B	63.3/8.3
C50	4030006860	S.CER C1608 JB 1H 102K-T	B	63.3/5.4
C51	4510007310	S.ELE 16 CE 10 BS	B	77.9/7.4
J3	6510023680	CON 2633 FRONT CONNECTOR		
DS1	5030002581	LCD L2-0736TAY-1 <TES>		
DS13	5040002930	S.LED SML-512MW T86	T	60.1/6.7
DS14	5040002930	S.LED SML-512MW T86	T	48.7/6.7
DS15	5040002930	S.LED SML-512MW T86	T	71.5/6.7
DS16	5040002930	S.LED SML-512MW T86	T	82.9/6.7
DS17	5040002930	S.LED SML-512MW T86	T	37.3/6.7
DS18	5040002930	S.LED SML-512MW T86	T	9.1/2.7
DS20	5040002930	S.LED SML-512MW T86	T	9.1/32.4
DS21	5040002910	S.LED SML-020MYT	T	14.7/20.5
DS22	5040002920	LED CV1074		
DS23	5040002930	S.LED SML-512MW T86	B	23.2/3.7
S1	2240000150	SWI JRS0000-1401		
S3	2260001890	S.SWI SKQDPA	T	102.3/17.5

**[CONTROL UNIT]**

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
S4	2260001890	S.SWI SKQDPA	T	14.7/15.5
S5	2260001890	S.SWI SKQDPA	T	37.3/3.2
S6	2260001890	S.SWI SKQDPA	T	48.7/3.2
S7	2260001890	S.SWI SKQDPA	T	60.1/3.2
S8	2260001890	S.SWI SKQDPA	T	71.5/3.2
S9	2260001890	S.SWI SKQDPA	T	82.9/3.2
S10	2260001890	S.SWI SKQDPA	T	4.2/4.2
S11	2260001890	S.SWI SKQDPA	T	4.2/30.8
EP9	6910015120	S.BEA MMZ2012D 301BT	B	31.1/20.4
EP10	6910012350	S.BEA MMZ1608Y 102BT	B	34.7/10.2
EP11	6910012350	S.BEA MMZ1608Y 102BT	B	33.4/10.2
EP12	6910015120	S.BEA MMZ2012D 301BT	B	20.7/13.4
EP17	6910015120	S.BEA MMZ2012D 301BT	B	20.7/15.2
EP18	8930060040	LCD SRCN-2633-SP-N-W (SHJ)		

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)  
S.=Surface mount

















**[VCO UNIT]**

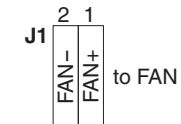
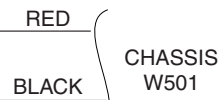
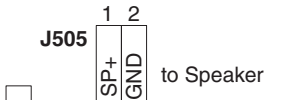
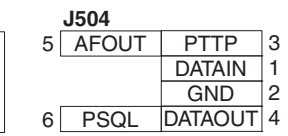
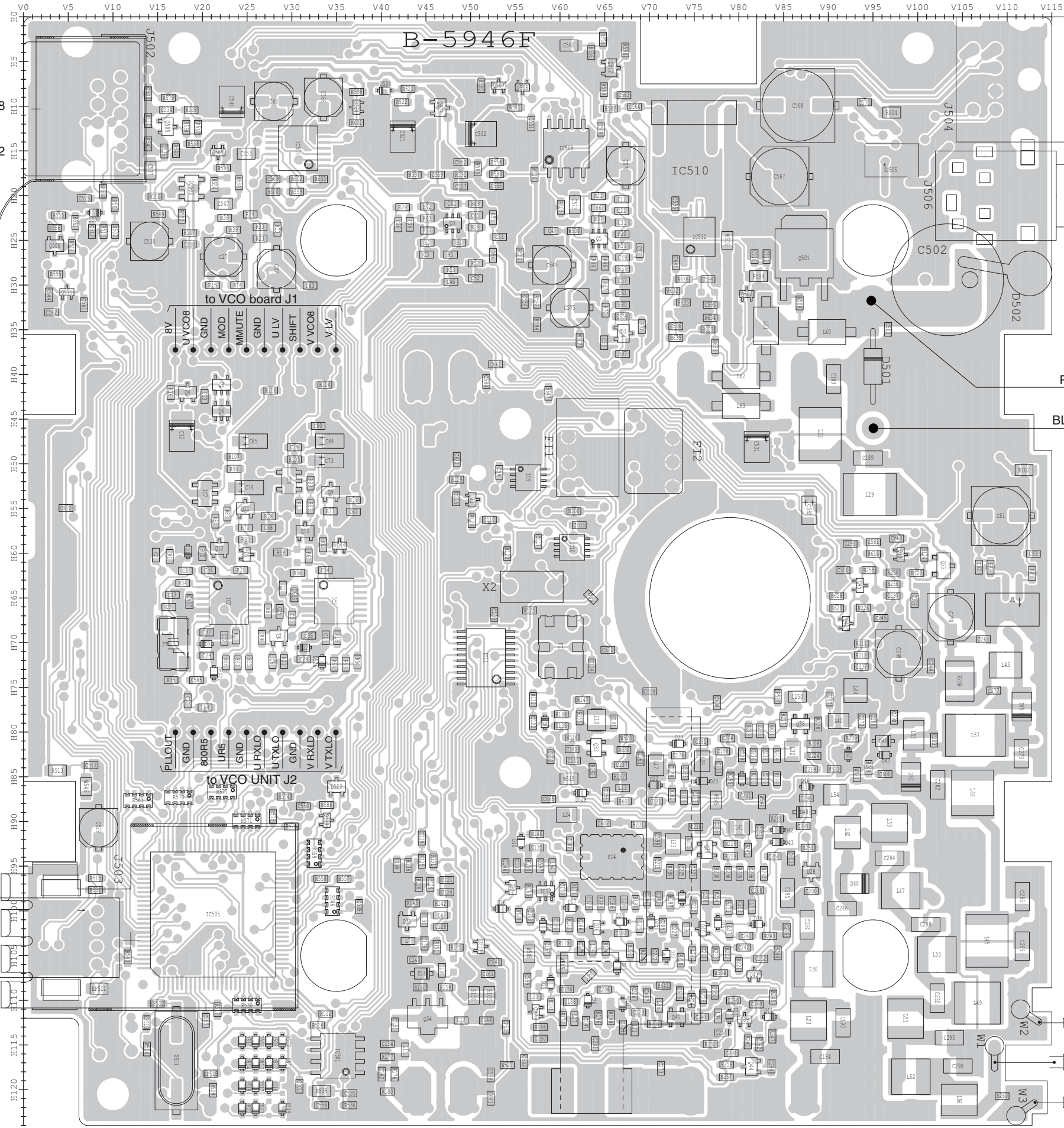
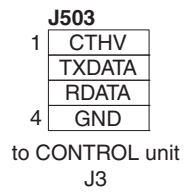
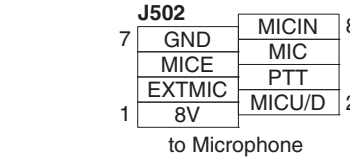
REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C131	4030006860	S.CER C1608 JB 1H 102K-T	B	37.1/6.6
C132	4030009540	S.CER C1608 CH 1H 1R5B-T	T	41.9/10.8
C133	4030006950	S.CER C1608 CH 1H 040C-T	T	39.1/12.2
C134	4030006860	S.CER C1608 JB 1H 102K-T	T	44.0/9.4
C135	4030006950	S.CER C1608 CH 1H 040C-T	T	40.4/14.1
C136	4550000540	S.TAN TEESVA 1V 154M8R	B	10.6/10.1
C137	4550000530	S.TAN TEESVA 1V 104M8R	B	9.7/21.5
C138	4030006930	S.CER C1608 CH 1H 020C-T	B	43.6/3.0
J1	6910006811	CON IMSA-9210B-1-10ZA014-PT1		
J2	6910006811	CON IMSA-9210B-1-10ZA014-PT1		

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)  
S.=Surface mount

# BOARD LAYOUTS

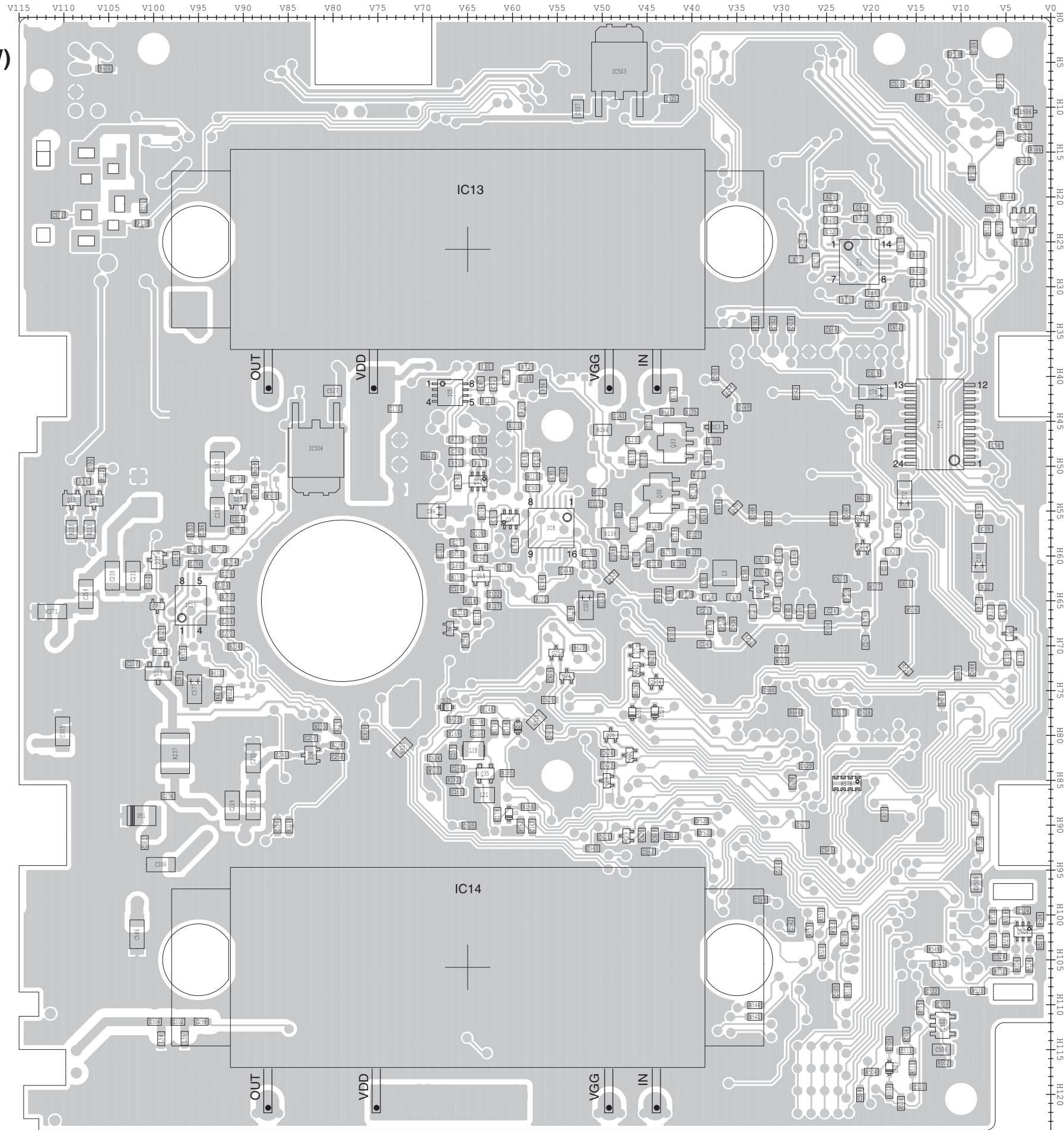
The combination of top side and bottom side of this page shows the actual configuration of P.C. board.

**MAIN UNIT (TOP VIEW)**



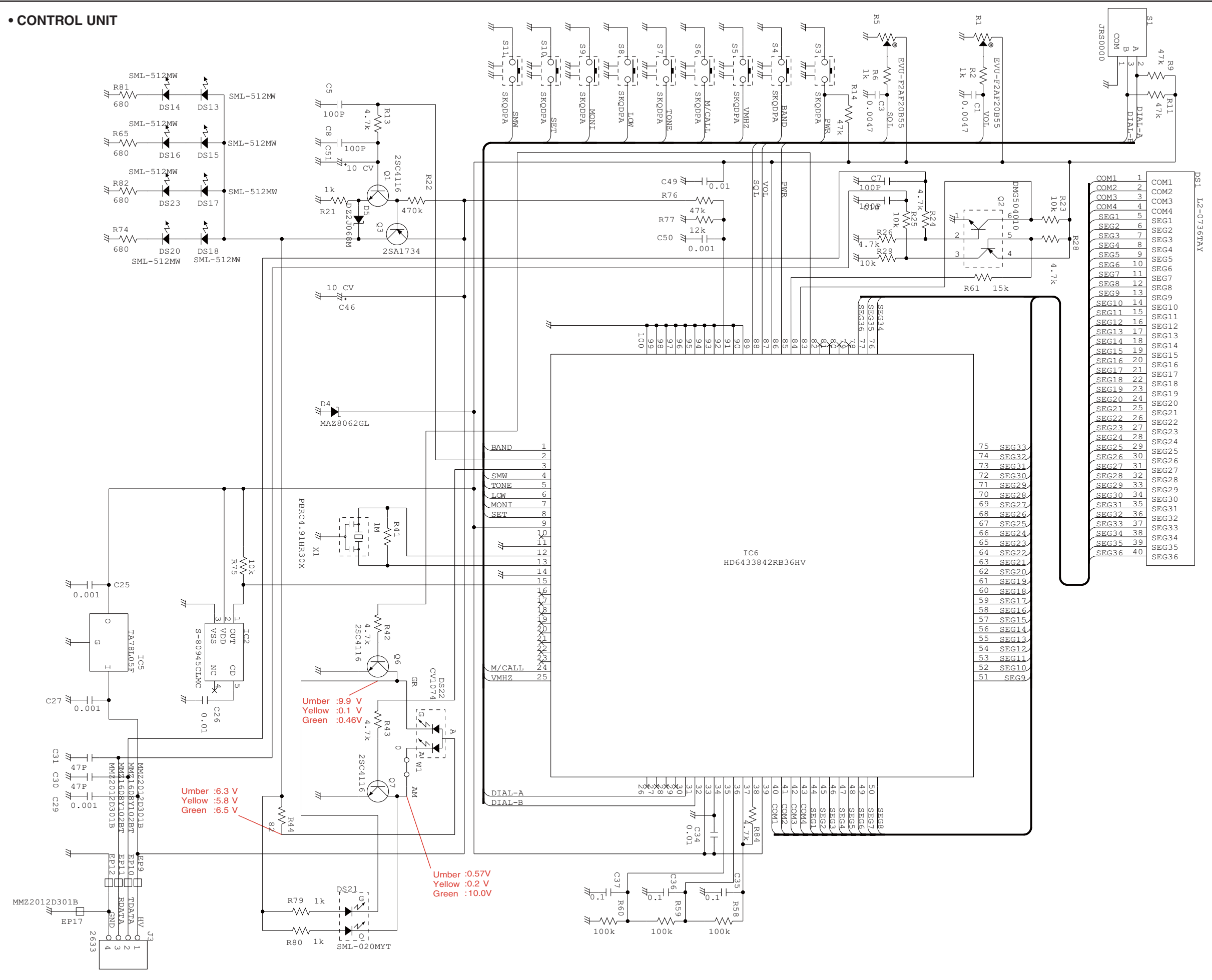
**CHASSIS J2**

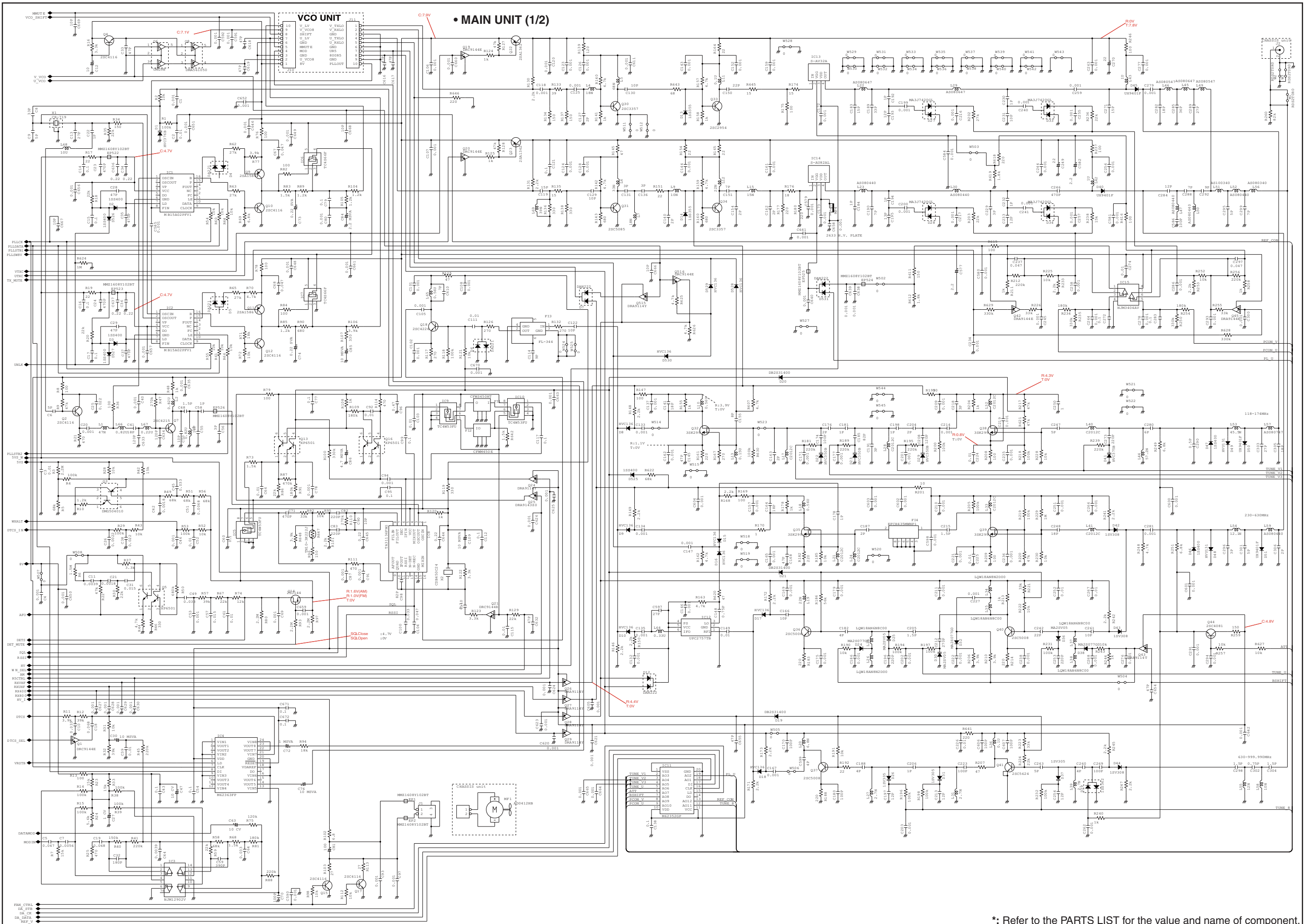
• MAIN UNIT  
(BOTTOM VIEW)



# VOLTAGE DIAGRAM

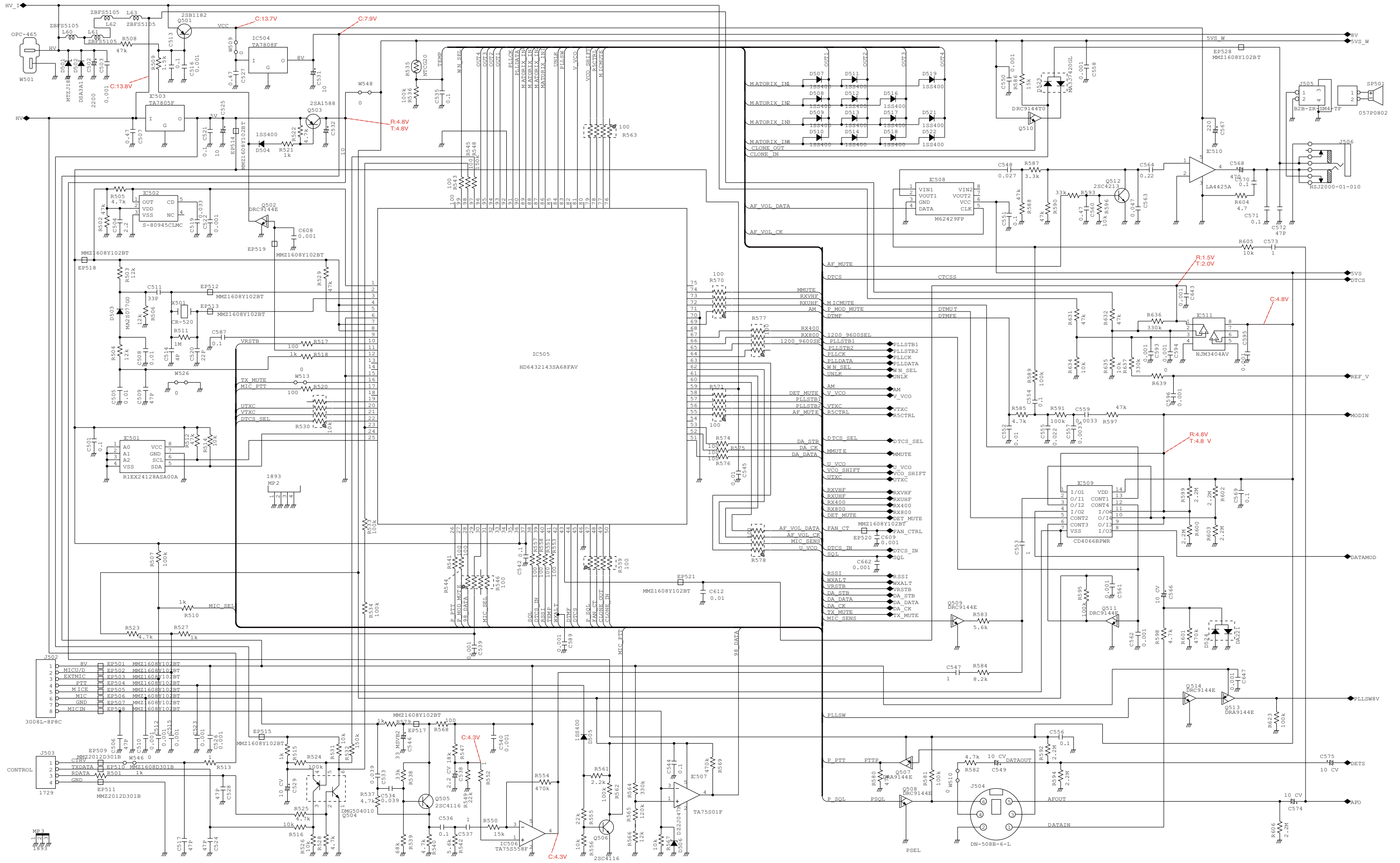
## • CONTROL UNIT





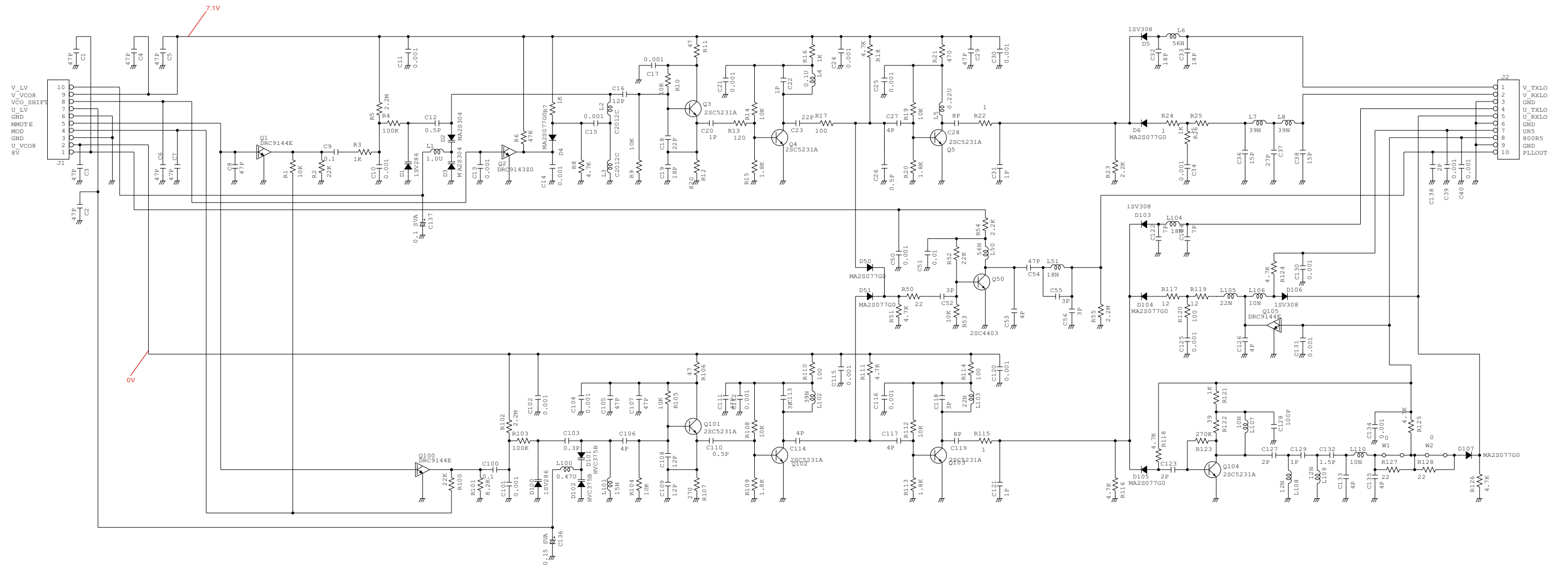
\*: Refer to the PARTS LIST for the value and name of component.

• MAIN UNIT (2/2)



\*: Refer to the PARTS LIST for the value and name of component.

• VCO UNIT



\*: Refer to the PARTS LIST for the value and name of component.