

Dec. 2009



SERVICE MANUAL ADDENDUM

UT-119S/UT-119H/UT-126H

CONTENTS

PARTS LIST	1
BOARD LAYOUTS	4
VOLTAGE DIAGRAM	6

[MAIN UNIT] (For UT-119S/H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C103	4030016790	S.CER ECJ0EB1C103K	T	11.6/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1C103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	2.5/10.6
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	6.8/18
C116	4030016790	S.CER ECJ0EB1C103K	T	9.2/18.2
C117	4030017400	S.CER ECJ0EC1H220J [GEN-04] only	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	T	22.6/5.5
C121	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	T	21.7/5.5
J1	6510026780	S.CON AXK640347YG	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/13.7
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7

[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1180002271	S.REG TK11250CMCL-G	T	28.2/10.9
IC2	1180002590	S.REG XC6204B332MR	B	12/3.5
IC3	1110006700	S.IC TB7100F (TE85L,F)	T	26.9/17.1
IC4	1180002590	S.REG XC6204B332MR	T	22.2/10.9
IC7	1110006230	S.IC NJM2711F-TE1-#ZZZB	T	25.4/2.3
IC8	1110005290	S.IC NJM2115V-TE1-#ZZZB	B	21.6/12.7
IC9	1130007021	S.IC TC7S66FU(TE85L,F)	B	22.8/16.3
IC10	1140013290	S.IC TMS320VC5509AZHH	T	7.2/11.1
IC11	1130006891	S.IC TC7S04FU(TE85R,F)	B	8.2/10.5
IC12	1130007281	S.IC TC7S32FU(TE85R,F)	B	8.2/13.4
IC13	1190002080	S.IC AD7476ARTZ-500RL7 <FE>	T	17.4/3
IC16	1130012910	S.IC AK4554VTP-E2/P	B	24/3
IC17	1110006230	S.IC NJM2711F-TE1-#ZZZB	B	17.2/5.1
IC20	1130013360	S.IC AT25F2048N-10SU-2.7SL3830	B	4.1/2.6
IC22	1130006891	S.IC TC7S04FU(TE85R,F)	T	15.1/10.8
IC23	1130013040	S.IC TC7WBD125AFK(T5L,F)	B	5.3/14.5
IC24	1130013040	S.IC TC7WBD125AFK(T5L,F)	B	14.6/14.5
IC26	1130013050	S.IC HD74LV2GT125AUSE-E	B	10.8/14.5
Q1	1590003550	S.TRA XP4313(TX)	B	19.8/17
Q2	1590003231	S.TRA UNR9113G0L	T	23.8/8
Q3	1530003190	S.TRA 2SC4617 TLQ	B	33.5/4.4
Q5	1590003231	S.TRA UNR9113G0L	B	4.8/7.1
D1	1750001280	S.DIO CUS02(TE85L,Q)	T	24.4/14.4
D2	1790001241	S.DIO MA2S7280GL	B	8.3/16.6
D3	1790001241	S.DIO MA2S7280GL	B	5.1/17.3
D4	1790001241	S.DIO MA2S7280GL	B	6.9/17.5
D5	1790001241	S.DIO MA2S7280GL	B	4/9.8
D6	1790001241	S.DIO MA2S7280GL	B	3.2/18.2
Fl1	2020002210	S.CER CFXCE450KCFA-R1	T	29.3/2.1
X1	6050012930	S.XTA CR-886 DSA321SCA 12.288 MHz	B	15/9.1
L1	6200007830	S.COI ELJFC 4R7K-F	T	32.9/10.4
L2	6200012090	S.COI CDRH2D18HP-150NC	T	21.9/17.6
L3	6200007830	S.COI ELJFC 4R7K-F	T	15.6/18.8
L4	6200001620	S.COI ELJFC 1R0K-F	T	21.5/14.3
R1	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/14.6
R2	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	25/16.2
R3	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/13.7
R4	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/9
R5	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.2/9.9
R9	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	T	26/6.4
R10	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	27.8/6.4
R11	7030004980	S.RES ERJ2GEJ 101 X (100)	T	25.1/6.4
R12	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	26.9/4.8
R13	7030004980	S.RES ERJ2GEJ 101 X (100)	T	22.3/2.8
R14	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	T	21.4/1.2
R15	7030004970	S.RES ERJ2GEJ 470 X (47)	T	20.5/1.2
R16	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	30.6/4.5
R18	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	15.1/18.3
R19	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	3.5/15.4
R20	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	7.1/15.4
R22	7030004980	S.RES ERJ2GEJ 101 X (100)	B	27/18.3
R23	7030004980	S.RES ERJ2GEJ 101 X (100)	B	27/17.4
R24	7030004980	S.RES ERJ2GEJ 101 X (100)	B	28.7/19.2
R25	7030004980	S.RES ERJ2GEJ 101 X (100)	B	33.2/19.2
R26	7030004980	S.RES ERJ2GEJ 101 X (100)	B	33.2/18.3
R27	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	31.2/14.3
R28	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	32.2/14.3
R32	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	B	19.6/7.2
R33	7030005600	S.RES ERJ2GEJ 273 X (27K)	B	19.6/8.9
R34	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	17.3/12.1
R35	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	19.8/10.1
R36	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	21.4/10.1
R37	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	24.6/10.1
R38	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	26.3/11.9
R39	7030004980	S.RES ERJ2GEJ 101 X (100)	B	20.1/15.2
R41	7030004970	S.RES ERJ2GEJ 470 X (47)	B	12.8/6.6
R43	7030004970	S.RES ERJ2GEJ 470 X (47)	B	18.2/8.2
R44	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	18.2/7.3
R45	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	177.5
R46	7030004980	S.RES ERJ2GEJ 101 X (100)	B	18.5/2.7
R47	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	17.6/2.7
R48	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.6/4.8
R49	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.6/2.5
R50	7030010040	S.RES ERJ2GEJ-JPW	B	14.6/3.9
R51	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	29.5/19.2
R52	7030005310	S.RES ERJ2GEJ 124 X (120K)	T	29.5/18.2
R53	7030011060	S.RES RR0510P-273-D (27K)	T	19.6/15.9
R54	7030008260	S.RES RR0510P-393-D (39K)	T	27.7/14.2
R55	7030010040	S.RES ERJ2GEJ-JPW	B	12.8/5.7
R56	7030005170	S.RES ERJ2GEJ 474 X (470K)	T	28.7/14.2
R62	7030007250	S.RES ERJ2GEJ 220 X (22)	T	15.8/6.8
R63	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	T	18.3/0.81
R64	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	T	19.6/2.8
R69	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	20.5/8.9
R70	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/7.2
R71	7030004980	S.RES ERJ2GEJ 101 X (100)	B	29.3/3.9
R72	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	28.4/2.3
R73	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	34.2/1.6
R74	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	31.2/3.9
R75	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	33.8/5.9
R81	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	9.9/4.3
R82	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	8.3/4.3
R83	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	12.4/4.3

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

[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R84	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	2.3/9.8
R85	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	15.8/5.6
R86	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	22/6.5
R87	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	23.5/5.2
R91	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	10.5/8.9
R92	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	11.4/8.9
R93	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/1.3
R94	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/2.9
R95	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/3.8
R96	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	10.5/10.7
R97	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	11.4/10.7
R98	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	12.3/16.6
R99	7030004980	S.RES ERJ2GEJ 101 X (100)	T	23.2/1.2
R100	7030010040	S.RES ERJ2GEJ-JPW	T	5.3/17.9
R101	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	9.5/17.9
R102	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	1.2/6.7
R103	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	1.2/7.6
R104	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.4/11.6
R106	7030010040	S.RES ERJ2GEJ-JPW	T	18.4/6.5
R107	7030010040	S.RES ERJ2GEJ-JPW	T	17.6/5.2
R108	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	5.4/8.7
R109	7030010040	S.RES ERJ2GEJ-JPW	B	0.81/12.7
R110	7030004980	S.RES ERJ2GEJ 101 X (100)	B	3/11.6
C1	4030018560	S.CER C2012 JB 1A 475K-T	T	32.9/12.6
C2	4030016930	S.CER ECJ0EB1A104K	T	25.7/11.8
C3	4030016930	S.CER ECJ0EB1A104K	T	30.7/10.4
C4	4030016930	S.CER ECJ0EB1A104K	T	25.7/10.2
C5	4550007930	S.TAN TEESVJ 1A 475M8R	T	24.6/10.5
C6	4030018860	S.CER ECJ0EB0J105K	T	26.2/8.4
C7	4030016930	S.CER ECJ0EB1A104K	T	25.3/8.4
C9	4030016930	S.CER ECJ0EB1A104K	T	18.4/9.9
C10	4550007730	S.TAN TEESVJ 0J 106M8R	T	19.7/10.9
C11	4550007930	S.TAN TEESVJ 1A 475M8R	B	12/1.2
C12	4030016930	S.CER ECJ0EB1A104K	B	14.1/1.5
C13	4030016930	S.CER ECJ0EB1A104K	B	9.8/4.1
C14	4550007730	S.TAN TEESVJ 0J 106M8R	B	10.6/6.3
C21	4030016930	S.CER ECJ0EB1A104K	T	30.6/5.4
C22	4030018910	S.CER C1608 JB 0J 475K-T	T	25.2/5
C23	4030016930	S.CER ECJ0EB1A104K	T	23.9/6.4
C24	4030016930	S.CER ECJ0EB1A104K	T	26.9/6.4
C25	4030016930	S.CER ECJ0EB1A104K	T	27.8/4.8
C26	4030016930	S.CER ECJ0EB1A104K	T	21.4/2.8
C27	4030017590	S.CER ECJ0EC1H070C	T	22.3/1.2
C28	4030017730	S.CER ECJ0EB1E471K	T	20.5/2.8
C31	4030016930	S.CER ECJ0EB1A104K	B	18.2/15
C32	4030017460	S.CER ECJ0EB1E102K	B	17.9/17.2
C33	4030016790	S.CER ECJ0EB1C103K	B	17.3/13.7
C34	4030016930	S.CER ECJ0EB1A104K	B	18.2/10.9
C35	4030017460	S.CER ECJ0EB1E102K	B	23/10.1
C36	4030017450	S.CER ECJ0EB1E271K	B	24.8/11
C37	4030017750	S.CER ECJ0EB1E122K	B	26.3/12.8
C40	4030017420	S.CER ECJ0EC1H470J	B	27/19.2
C41	4030017420	S.CER ECJ0EC1H470J	B	25.4/18.3
C42	4030017420	S.CER ECJ0EC1H470J	B	24.9/17.4
C43	4030017420	S.CER ECJ0EC1H470J	T	31.2/18.2
C44	4030017420	S.CER ECJ0EC1H470J	B	31.6/19.2
C45	4030017420	S.CER ECJ0EC1H470J	B	25.9/16.2
C46	4030017420	S.CER ECJ0EC1H470J	B	24.1/8.9
C47	4030017420	S.CER ECJ0EC1H470J	B	25.1/8.5
C48	4030017420	S.CER ECJ0EC1H470J	T	33.2/14.3
C51	4550007730	S.TAN TEESVJ 0J 106M8R	T	24.5/17.5
C52	4030016930	S.CER ECJ0EB1A104K	T	26.2/14.2
C53	4030017770	S.CER ECJ0EB1E332K	T	31.2/19.2
C54	4030019460	S.CER C1608 JB 0J 106M-T	T	18.2/16
C55	4030016930	S.CER ECJ0EB1A104K	T	18.5/18.5
C57	4030016790	S.CER ECJ0EB1C103K	B	18.2/9.1
C61	4030016790	S.CER ECJ0EB1C103K	B	10.7/17.6
C62	4030017460	S.CER ECJ0EB1E102K	B	19.4/4.3
C63	4030016930	S.CER ECJ0EB1A104K	B	12.8/8.4
C64	4030017620	S.CER ECJ0EC1H100C	B	14.6/6.6
C65	4030016930	S.CER ECJ0EB1A104K	B	14.6/5.7
C66	4030016930	S.CER ECJ0EB1A104K	B	19.4/2.7
C67	4030017380	S.CER ECJ0EC1H050B	B	16.7/2.7
C68	4030016930	S.CER ECJ0EB1A104K	B	15.8/2.7
C71	4030016930	S.CER ECJ0EB1A104K	B	33.8/7.1
C72	4030017460	S.CER ECJ0EB1E102K	T	18.7/8.7
C73	4030018910	S.CER C1608 JB 0J 475K-T	T	14.5/4.5
C74	4030016930	S.CER ECJ0EB1A104K	T	16.5/0.81
C81	4030018860	S.CER ECJ0EB0J105K	B	34.2/9.6
C82	4030018860	S.CER ECJ0EB0J105K	B	23.2/8.9
C83	4030017460	S.CER ECJ0EB1E102K	B	22.3/8.9
C84	4030018860	S.CER ECJ0EB0J105K	B	20.5/7.2
C85	4030016930	S.CER ECJ0EB1A104K	T	19.6/1.2
C86	4030018860	S.CER ECJ0EB0J105K	B	26.3/8.1
C87	4030016950	S.CER ECJ0EB1A473K	B	26.3/6.3
C88	4030016950	S.CER ECJ0EB1A473K	B	28.4/3.9
C89	4030016930	S.CER ECJ0EB1A104K	B	25/6.6
C91	4030016930	S.CER ECJ0EB1A104K	B	30.7/1.5
C92	4030018910	S.CER C1608 JB 0J 475K-T	B	29.5/1.8
C93	4030018860	S.CER ECJ0EB0J105K	B	30.3/3.9
C99	4030018860	S.CER ECJ0EB0J105K	B	8.7/8.4
C100	4030016790	S.CER ECJ0EB1C103K	T	14.9/8.4
C101	4030018910	S.CER C1608 JB 0J 475K-T	T	14.1/16.4
C102	4030016930	S.CER ECJ0EB1A104K	B	17.3/15.3
C103	4030016790	S.CER ECJ0EB1C103K	T	12.2/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1C103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	7.8/8.4
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7

[MAIN-A UNIT] (For UT-126H)

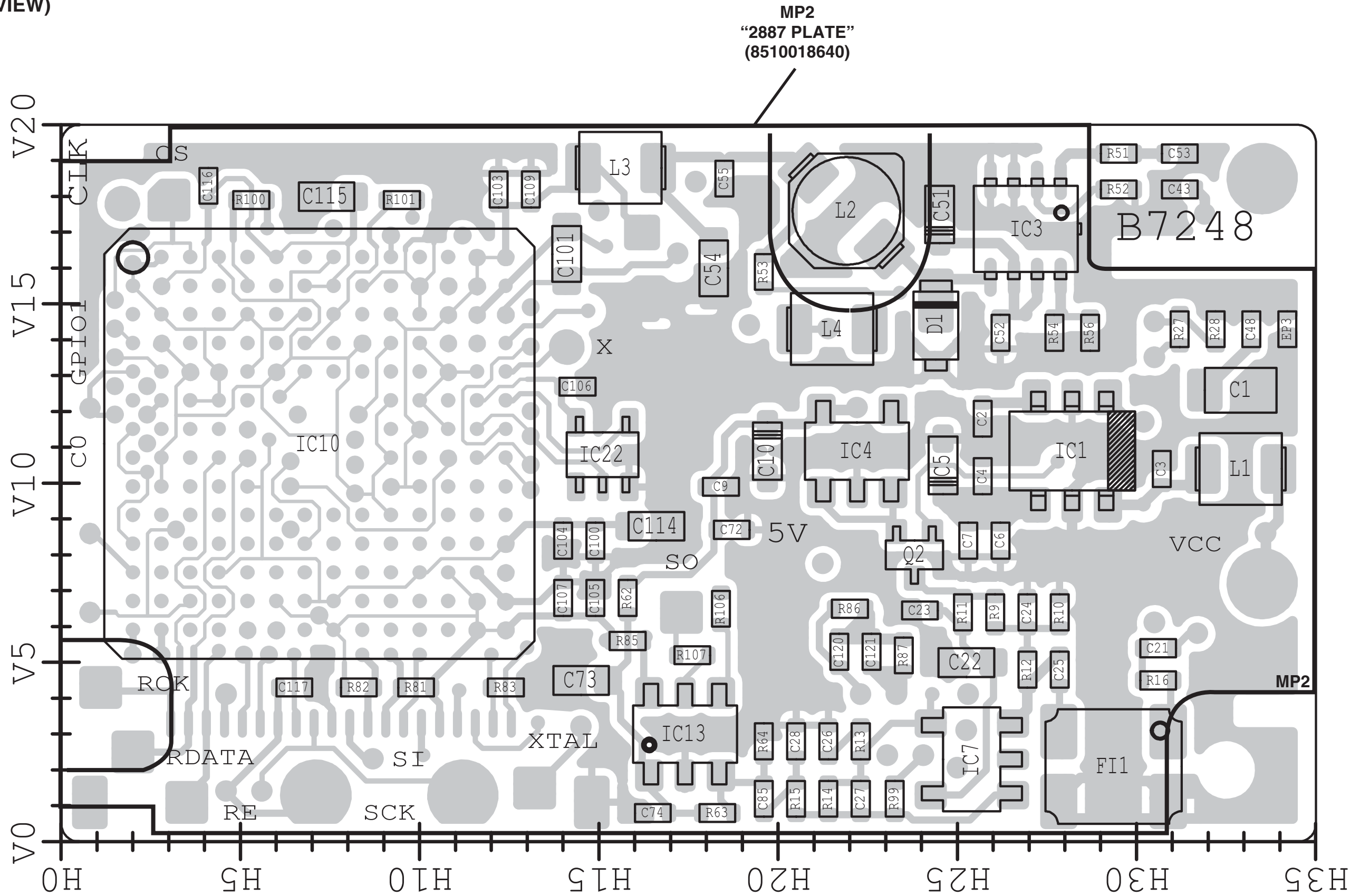
REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	7.4/18
C116	4030016790	S.CER ECJ0EB1C103K	T	4.1/18.3
C117	4030017400	S.CER ECJ0EC1H220J	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J	T	21.7/5.3
C121	4030017420	S.CER ECJ0EC1H470J	T	22.6/5.3
C122	4030016930	S.CER ECJ0EB1A104K	B	16/11.6
J1	6510026780	S.CON AXK640347YG	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/14.3
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7
EP5	6910016330	S.BEA MMZ1005S 601CT-S	B	26.8/16.2

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

BOARD LAYOUTS

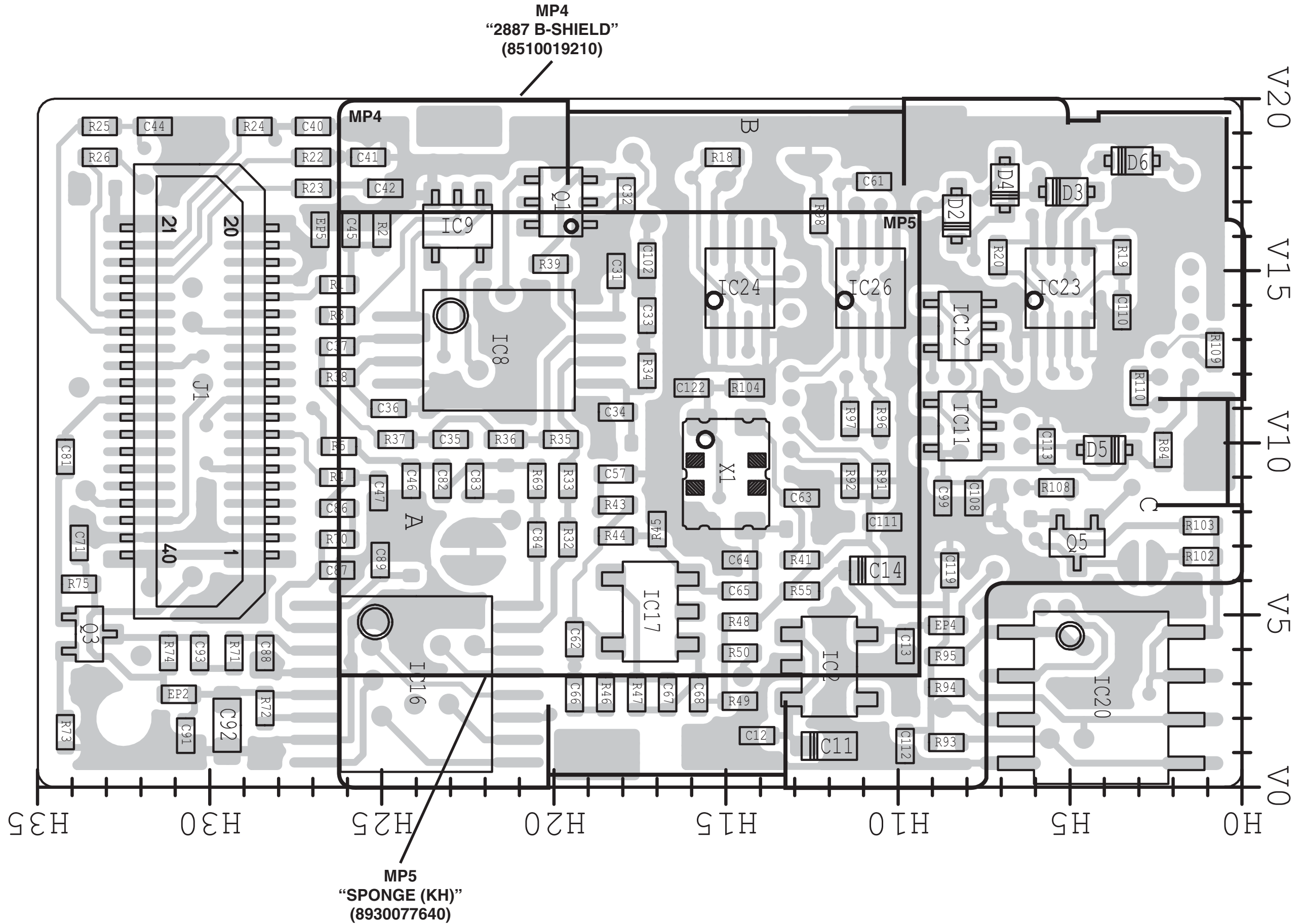
The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

• MAIN-A UNIT (For UT-126H) (TOP VIEW)



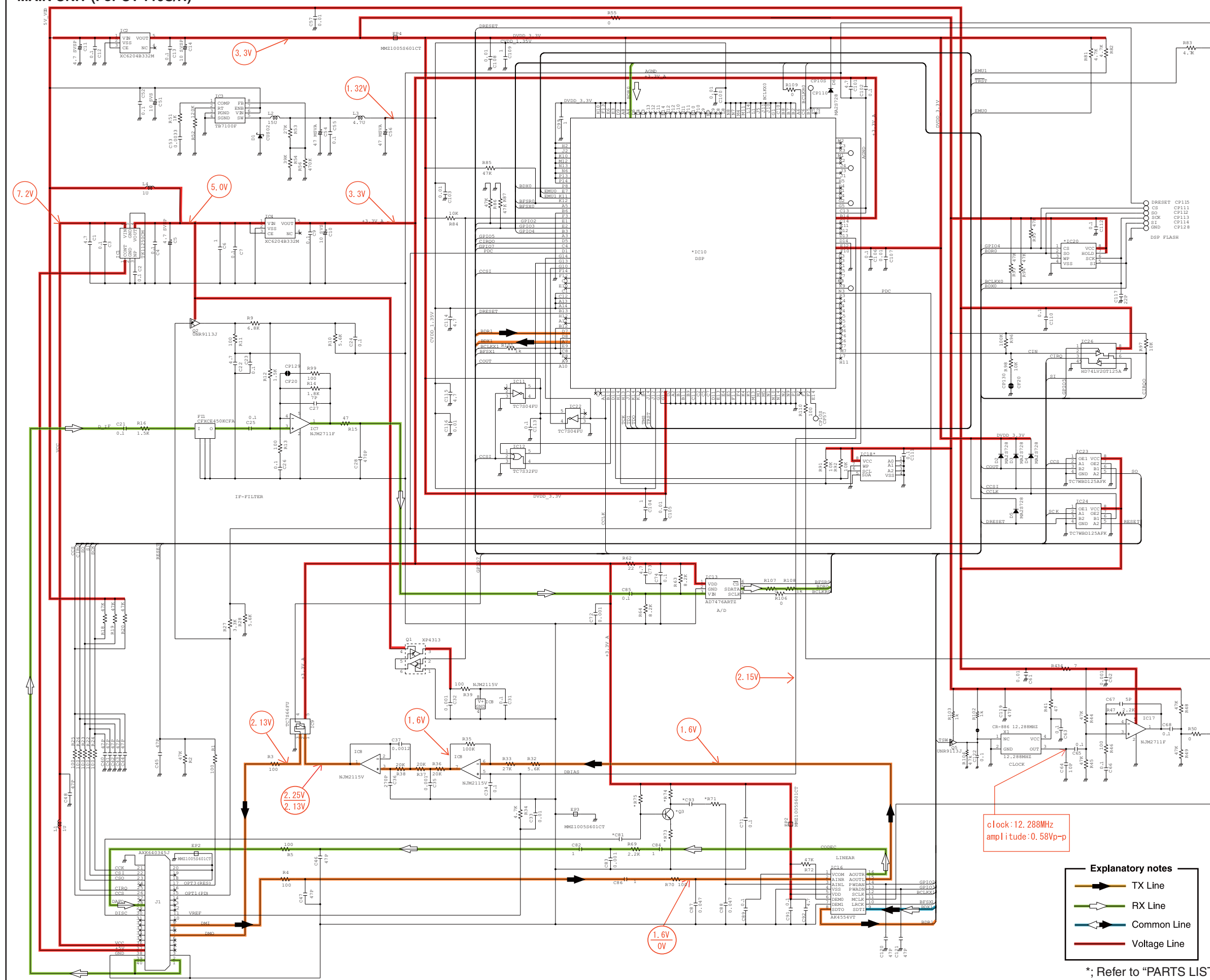
The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

• MAIN-A UNIT (For UT-126H)
(BOTTOM VIEW)



VOLTAGE DIAGRAM

• MAIN UNIT (For UT-119S/H)

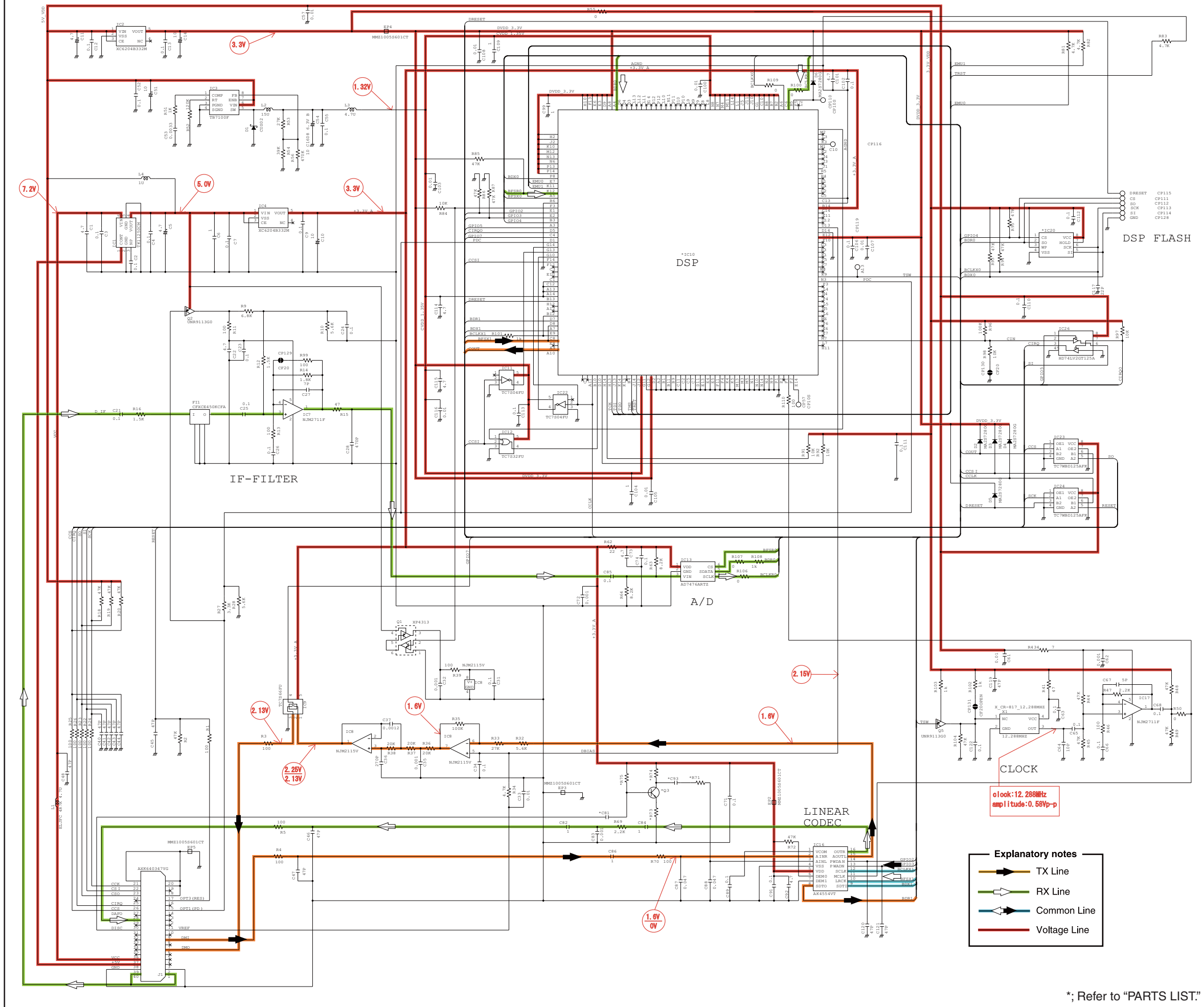


clock: 12.288MHz
amplitude: 0.58Vp-p

- Explanatory notes**
- TX Line
 - RX Line
 - Common Line
 - Voltage Line

*; Refer to "PARTS LIST"

• MAIN-A UNIT (For UT-126H)



clock: 12.288MHz
amplitude: 0.58Vp-p

- Explanatory notes**
- TX Line
 - RX Line
 - Common Line
 - Voltage Line

*; Refer to "PARTS LIST"

May. 2009



SERVICE MANUAL ADDENDUM

UT-119S UT-119H UT-126H

CONTENTS

PARTS LIST	1
BOARD LAYOUTS	4
VOLTAGE DIAGRAM	6

[MAIN UNIT] (For UT-119S/H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C82	4030018860	S.CER ECJ0EB0J105K	B	23.2/8.9
C83	4030017460	S.CER ECJ0EB1E102K	B	22.3/8.9
C84	4030018860	S.CER ECJ0EB0J105K	B	20.5/7
C85	4030016930	S.CER ECJ0EB1A104K	T	19.6/1.2
C86	4030018860	S.CER ECJ0EB0J105K	B	26.3/8.1
C87	4030016950	S.CER ECJ0EB1A473K	B	26.3/6.3
C88	4030016950	S.CER ECJ0EB1A473K	B	28.4/3.9
C89	4030016930	S.CER ECJ0EB1A104K	B	25/6.6
C91	4030016930	S.CER ECJ0EB1A104K	B	30.7/1.5
C92	4030018910	S.CER C1608 JB 0J 475K-T	B	29.5/1.8
C93	4030018860	S.CER ECJ0EB0J105K [GEN-04] only	B	30.3/3.9
C100	4030016790	S.CER ECJ0EB1C103K	T	14.9/8.4
C101	4030018910	S.CER C1608 JB 0J 475K-T	T	14.1/16.7
C102	4030016930	S.CER ECJ0EB1A104K	B	17.3/15
C103	4030016790	S.CER ECJ0EB1C103K	T	11.6/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1A103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	2.5/10.6
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	6.8/18
C116	4030016790	S.CER ECJ0EB1C103K	T	9.2/18.2
C117	4030017400	S.CER ECJ0EC1H220J [GEN-04] only	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	T	22.6/5.5
C121	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	T	21.7/5.5
J1	6510025230	S.CON AXK640345J2	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/13.7
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7

[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1180002271	S.REG TK11250CMCL-G	T	28.2/10.9
IC2	1180002590	S.REG XC6204B332MR	B	12/3.5
IC3	1110006700	S.IC TB7100F (TE85L,F)	T	26.9/17.1
IC4	1180002590	S.REG XC6204B332MR	T	22.2/10.9
IC7	1110006230	S.IC NJM2711F-TE1-#ZZZB	T	25.4/2.3
IC8	1110005290	S.IC NJM2115V-TE1-#ZZZB	B	21.6/12.7
IC9	1130007021	S.IC TC7S66FU(TE85L,F)	B	22.8/16.3
IC10	1140013290	S.IC TMS320VC5509AZHH	T	7.2/11.1
IC11	1130006891	S.IC TC7S04FU(TE85R,F)	B	8.2/10.5
IC12	1130007281	S.IC TC7S32FU(TE85R,F)	B	8.2/13.4
IC13	1190002080	S.IC AD7476ARTZ-500RL7	T	17.4/3
IC16	1130012910	S.IC AK4554VTP-E2/P	B	24/3
IC17	1110006230	S.IC NJM2711F-TE1-#ZZZB	B	17.2/5.1
IC20	1130013360	S.IC AT25F2048N-10SU-2.7SL383	B	4.1/2.6
IC22	1130006891	S.IC TC7S04FU(TE85R,F)	T	15.1/10.8
IC23	1130013040	S.IC TC7WBD125AFK(T5L,F)	B	5.3/14.5
IC24	1130013040	S.IC TC7WBD125AFK(T5L,F)	B	14.6/14.5
IC26	1130013050	S.IC HD74LV2GT125AUSE-E	B	10.8/14.5
Q1	1590003550	S.TRA XP4313(TX)	B	19.8/17
Q2	1590003231	S.TRA UNR9113G0-(TX)	T	23.8/8
Q3	1530003190	S.TRA 2SC4617 TLQ	B	33.5/4.4
Q5	1590003231	S.TRA UNR9113G0-(TX)	B	4.8/7.1
D1	1750001280	S.DIO CUS02(TE85L,Q)	T	24.4/14.4
D2	1790001241	S.DIO MA2S7280G	B	8.3/16.6
D3	1790001241	S.DIO MA2S7280G	B	5.1/17.3
D4	1790001241	S.DIO MA2S7280G	B	6.9/17.5
D5	1790001241	S.DIO MA2S7280G	B	4/9.8
D6	1790001241	S.DIO MA2S7280G	B	3.2/18.2
F11	2020002210	S.CER CFXCE450KCFA-R10	T	29.3/2.1
X1	6050012930	S.XTA CR-886 DSA321SCA 12.288 MHz	B	15/9.1
L1	6200001620	S.COI ELJFC 1R0K-F	T	32.9/10.4
L2	6200012090	S.COI CDRH2D18HP-150NC	T	21.9/17.6
L3	6200007830	S.COI ELJFC 4R7K-F	T	15.6/18.8
L4	6200001620	S.COI ELJFC 1R0K-F	T	21.5/14.3
R1	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/14.6
R2	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	25/16.2
R3	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/13.7
R4	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/9
R5	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.2/9.9
R9	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	T	26/6.4
R10	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	27.8/6.4
R11	7030004980	S.RES ERJ2GEJ 101 X (100)	T	25.1/6.4
R12	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	26.9/4.8
R13	7030004980	S.RES ERJ2GEJ 101 X (100)	T	22.3/2.8
R14	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	T	21.4/1.2
R15	7030004970	S.RES ERJ2GEJ 470 X (47)	T	20.5/1.2
R16	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	30.6/4.5
R18	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	15.1/18.3
R19	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	3.5/15.4
R20	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	7.1/15.4
R22	7030004980	S.RES ERJ2GEJ 101 X (100)	B	27/18.3
R23	7030004980	S.RES ERJ2GEJ 101 X (100)	B	27/17.4
R24	7030004980	S.RES ERJ2GEJ 101 X (100)	B	28.7/19.2
R25	7030004980	S.RES ERJ2GEJ 101 X (100)	B	33.2/19.2
R26	7030004980	S.RES ERJ2GEJ 101 X (100)	B	33.2/18.3
R27	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	31.2/14.3
R28	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	32.2/14.3
R32	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	B	19.6/7.2
R33	7030005600	S.RES ERJ2GEJ 273 X (27K)	B	19.6/8.9
R34	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	17.3/12.1
R35	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	19.8/10.1
R36	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	21.4/10.1
R37	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	24.6/10.1
R38	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	26.3/11.9
R39	7030004980	S.RES ERJ2GEJ 101 X (100)	B	20.1/15.2
R41	7030004970	S.RES ERJ2GEJ 470 X (47)	B	12.8/6.6
R43	7030004970	S.RES ERJ2GEJ 470 X (47)	B	18.2/8.2
R44	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	18.2/7.3
R45	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	17.7/5
R46	7030004980	S.RES ERJ2GEJ 101 X (100)	B	18.5/2.7
R47	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	17.6/2.7
R48	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.6/4.8
R49	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.6/2.5
R50	7030010040	S.RES ERJ2GEJ-JPW	B	14.6/3.9
R51	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	29.5/19.2
R52	7030005310	S.RES ERJ2GEJ 124 X (120K)	T	29.5/18.2
R53	7030011060	S.RES RR0510P-273-D (27K)	T	19.6/15.9
R54	7030008260	S.RES RR0510P-393-D (39K)	T	27.7/14.2
R55	7030010040	S.RES ERJ2GEJ-JPW	B	12.8/5.7
R56	7030005170	S.RES ERJ2GEJ 474 X (470K)	T	28.7/14.2
R62	7030007250	S.RES ERJ2GEJ 220 X (22)	T	15.8/6.8
R63	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	T	18.3/0.81
R64	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	T	19.6/2.8
R69	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	20.5/8.9
R70	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/7.2
R71	7030004980	S.RES ERJ2GEJ 101 X (100)	B	29.3/3.9

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

[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R72	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	28.4/2.3
R73	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	34.2/1.6
R74	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	31.2/3.9
R75	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	33.8/5.9
R81	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	9.9/4.3
R82	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	8.3/4.3
R83	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	12.4/4.3
R84	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	2.3/9.8
R85	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	15.8/5.6
R86	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	22/6.5
R87	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	23.5/5.2
R91	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	10.5/8.9
R92	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	11.4/8.9
R93	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/1.3
R94	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/2.9
R95	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/3.8
R96	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	10.5/10.7
R97	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	11.4/10.7
R98	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	12.3/16.6
R99	7030004980	S.RES ERJ2GEJ 101 X (100)	T	23.2/1.2
R100	7030010040	S.RES ERJ2GEJ-JPW	T	5.3/17.9
R101	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	9.5/17.9
R102	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	1.2/6.7
R103	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	1.2/7.6
R104	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.4/11.6
R106	7030010040	S.RES ERJ2GEJ-JPW	T	18.4/6.5
R107	7030010040	S.RES ERJ2GEJ-JPW	T	17.6/5.2
R108	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	5.4/8.7
R109	7030010040	S.RES ERJ2GEJ-JPW	B	0.81/12.7
R110	7030004980	S.RES ERJ2GEJ 101 X (100)	B	3/11.6
C1	4030018560	S.CER C2012 JB 1A 475K-T	T	32.9/12.6
C2	4030016930	S.CER ECJ0EB1A104K	T	25.7/11.8
C3	4030016930	S.CER ECJ0EB1A104K	T	30.7/10.4
C4	4030016930	S.CER ECJ0EB1A104K	T	25.7/10.2
C5	4550007930	S.TAN TEESVJ 1A 475M8R	T	24.6/10.5
C6	4030018860	S.CER ECJ0EB0J105K	T	26.2/8.4
C7	4030016930	S.CER ECJ0EB1A104K	T	25.3/8.4
C9	4030016930	S.CER ECJ0EB1A104K	T	18.4/9.9
C10	4550007730	S.TAN TEESVJ 0J 106M8R	T	19.7/10.9
C11	4550007930	S.TAN TEESVJ 1A 475M8R	B	12/1.2
C12	4030016930	S.CER ECJ0EB1A104K	B	14.1/1.5
C13	4030016930	S.CER ECJ0EB1A104K	B	9.8/4.1
C14	4550007730	S.TAN TEESVJ 0J 106M8R	B	10.6/6.3
C21	4030016930	S.CER ECJ0EB1A104K	T	30.6/5.4
C22	4030018910	S.CER C1608 JB 0J 475K-T	T	25.2/5
C23	4030016930	S.CER ECJ0EB1A104K	T	23.9/6.4
C24	4030016930	S.CER ECJ0EB1A104K	T	26.9/6.4
C25	4030016930	S.CER ECJ0EB1A104K	T	27.8/4.8
C26	4030016930	S.CER ECJ0EB1A104K	T	21.4/2.8
C27	4030017590	S.CER ECJ0EC1H070C	T	22.3/1.2
C28	4030017730	S.CER ECJ0EB1E471K	T	20.5/2.8
C31	4030016930	S.CER ECJ0EB1A104K	B	18.2/15
C32	4030017460	S.CER ECJ0EB1E102K	B	17.9/17.2
C33	4030016790	S.CER ECJ0EB1C103K	B	17.3/13.7
C34	4030016930	S.CER ECJ0EB1A104K	B	18.2/10.9
C35	4030017460	S.CER ECJ0EB1E102K	B	23/10.1
C36	4030017450	S.CER ECJ0EB1E271K	B	24.8/11
C37	4030017750	S.CER ECJ0EB1E122K	B	26.3/12.8
C40	4030017420	S.CER ECJ0EC1H470J	B	27/19.2
C41	4030017420	S.CER ECJ0EC1H470J	B	25.4/18.3
C42	4030017420	S.CER ECJ0EC1H470J	B	24.9/17.4
C43	4030017420	S.CER ECJ0EC1H470J	T	31.2/18.2
C44	4030017420	S.CER ECJ0EC1H470J	B	31.6/19.2
C45	4030017420	S.CER ECJ0EC1H470J	B	25.9/16.2
C46	4030017420	S.CER ECJ0EC1H470J	B	24.1/8.9
C47	4030017420	S.CER ECJ0EC1H470J	B	25.1/8.5
C48	4030017420	S.CER ECJ0EC1H470J	T	33.2/14.3
C51	4550007730	S.TAN TEESVJ 0J 106M8R	T	24.5/17.5
C52	4030016930	S.CER ECJ0EB1A104K	T	26.2/14.2
C53	4030017770	S.CER ECJ0EB1E332K	T	31.2/19.2
C54	4550007720	S.TAN TEESVP 0G 476M8R	T	18.2/16
C55	4030016930	S.CER ECJ0EB1A104K	T	18.5/18.5
C56	4550007720	S.TAN TEESVP 0G 476M8R	T	16.2/16
C57	4030016790	S.CER ECJ0EB1C103K	B	18.2/9.1
C61	4030016790	S.CER ECJ0EB1C103K	B	10.7/17.6
C62	4030017460	S.CER ECJ0EB1E102K	B	19.4/4.3
C63	4030016930	S.CER ECJ0EB1A104K	B	12.8/8.4
C64	4030017620	S.CER ECJ0EC1H100C	B	14.6/6.6
C65	4030016930	S.CER ECJ0EB1A104K	B	14.6/5.7
C66	4030016930	S.CER ECJ0EB1A104K	B	19.4/2.7
C67	4030017380	S.CER ECJ0EC1H050B	B	16.7/2.7
C68	4030016930	S.CER ECJ0EB1A104K	B	15.8/2.7
C71	4030016930	S.CER ECJ0EB1A104K	B	33.8/7.1
C72	4030017460	S.CER ECJ0EB1E102K	T	18.7/8.7
C73	4030018910	S.CER C1608 JB 0J 475K-T	T	14.5/4.5
C74	4030016930	S.CER ECJ0EB1A104K	T	16.5/0.81
C81	4030018860	S.CER ECJ0EB0J105K	B	34.2/9.6
C82	4030018860	S.CER ECJ0EB0J105K	B	23.2/8.9
C83	4030017460	S.CER ECJ0EB1E102K	B	22.3/8.9
C84	4030018860	S.CER ECJ0EB0J105K	B	20.5/7.2
C85	4030016930	S.CER ECJ0EB1A104K	T	19.6/1.2
C86	4030018860	S.CER ECJ0EB0J105K	B	26.3/8.1
C87	4030016950	S.CER ECJ0EB1A473K	B	26.3/6.3
C88	4030016950	S.CER ECJ0EB1A473K	B	28.4/3.9
C89	4030016930	S.CER ECJ0EB1A104K	B	25/6.6
C91	4030016930	S.CER ECJ0EB1A104K	B	30.7/1.5
C92	4030018910	S.CER C1608 JB 0J 475K-T	B	29.5/1.8

[MAIN-A UNIT] (For UT-126H)

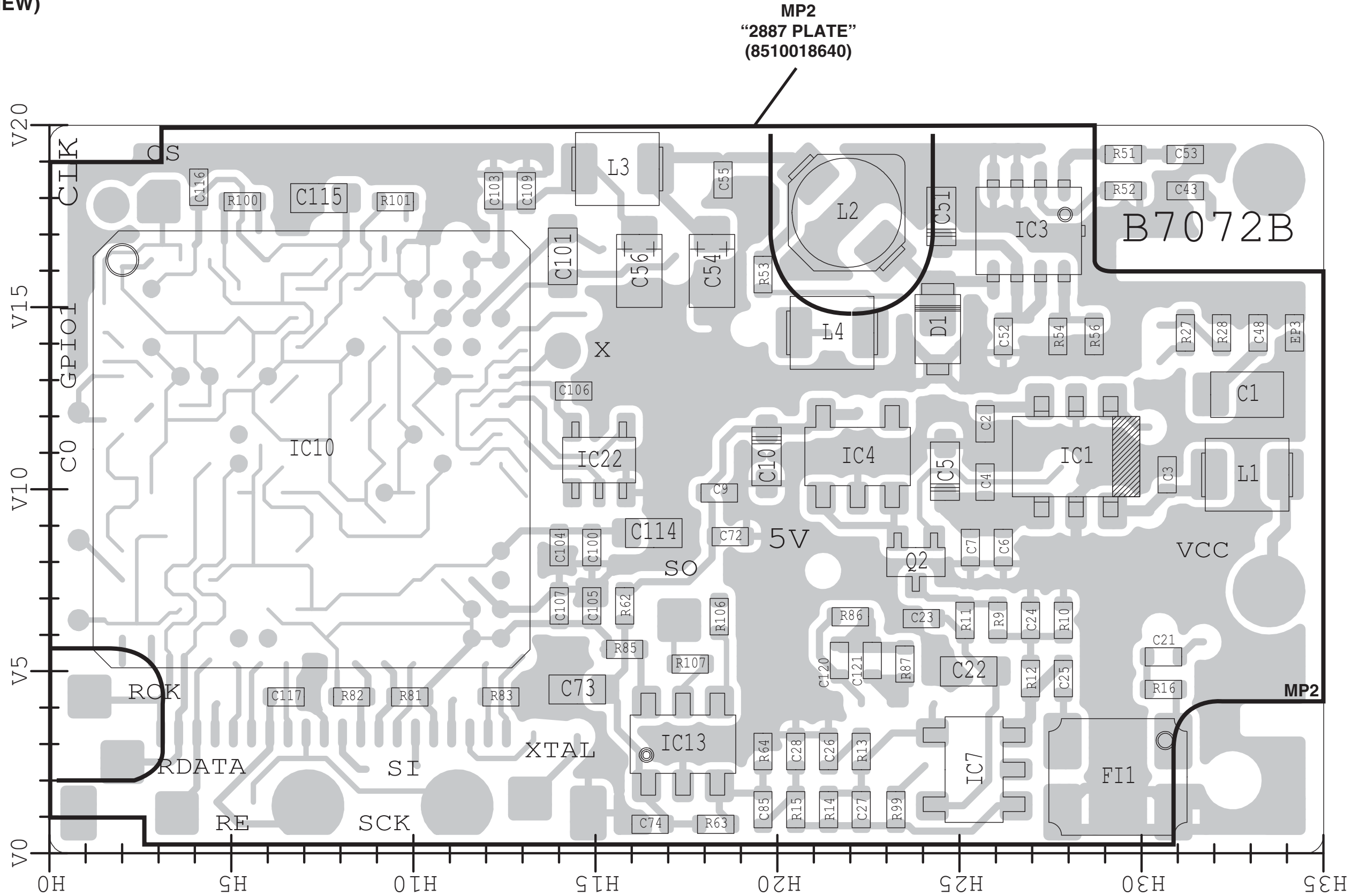
REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C93	4030018860	S.CER ECJ0EB0J105K	B	30.3/3.9
C99	4030018860	S.CER ECJ0EB0J105K	B	8.7/8.4
C100	4030016790	S.CER ECJ0EB1C103K	T	14.9/8.4
C101	4030018910	S.CER C1608 JB 0J 475K-T	T	14.1/16.4
C102	4030016930	S.CER ECJ0EB1A104K	B	17.3/15.3
C103	4030016790	S.CER ECJ0EB1C103K	T	12.2/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1C103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	7.8/8.4
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	7.4/18
C116	4030016790	S.CER ECJ0EB1C103K	T	4.1/18.3
C117	4030017400	S.CER ECJ0EC1H220J	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J	T	21.7/5.3
C121	4030017420	S.CER ECJ0EC1H470J	T	22.6/5.3
C122	4030016930	S.CER ECJ0EB1A104K	B	16/11.6
J1	6510025230	S.CON AXK640345J2	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/14.3
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7
EP5	6910016330	S.BEA MMZ1005S 601CT-S	B	26.8/16.2

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

BOARD LAYOUTS

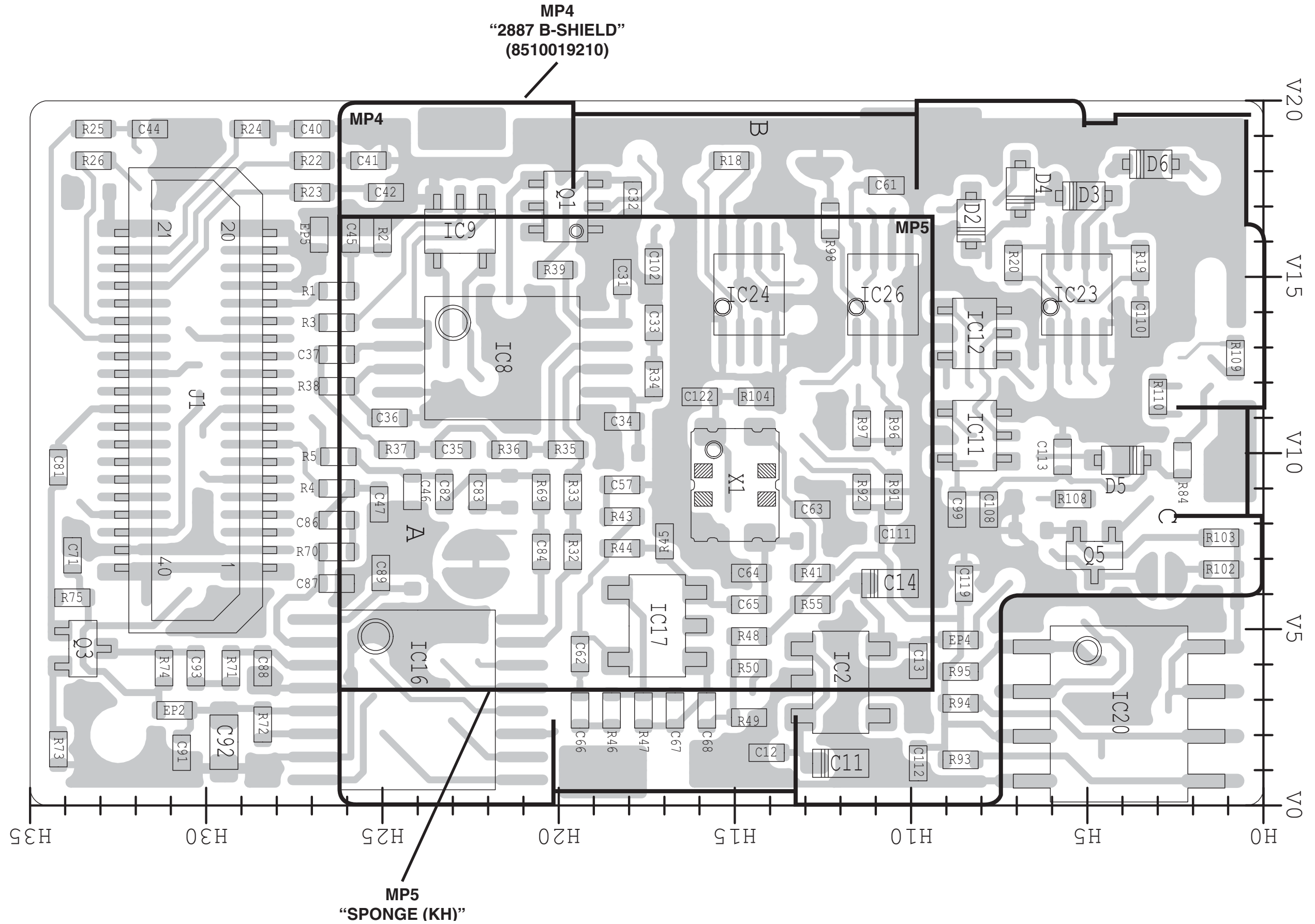
The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

• MAIN-A UNIT (For UT-126H)
(TOP VIEW)



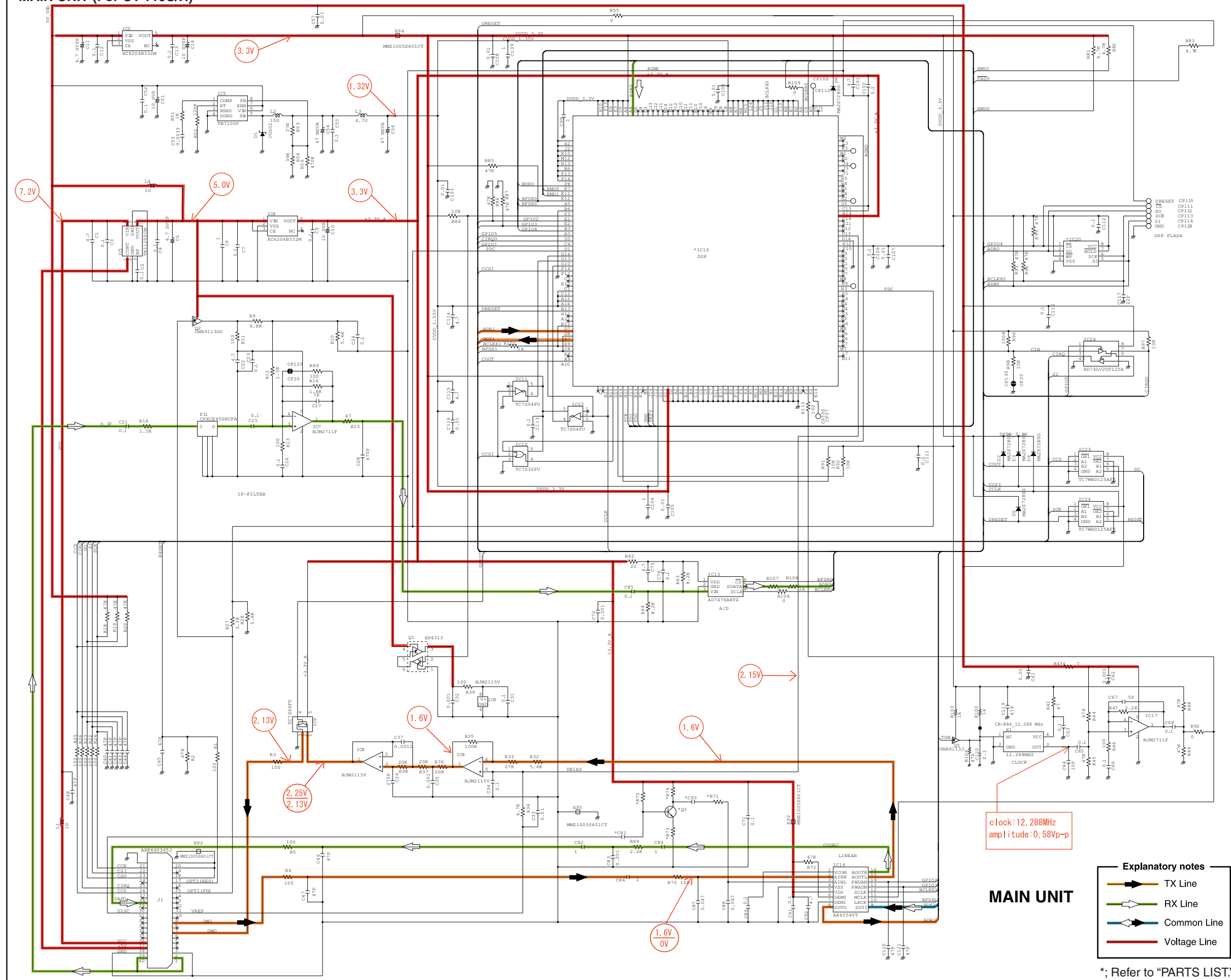
The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

• MAIN-A UNIT (For UT-126H)
(BOTTOM VIEW)



VOLTAGE DIAGRAM

• MAIN UNIT (For UT-119S/H)



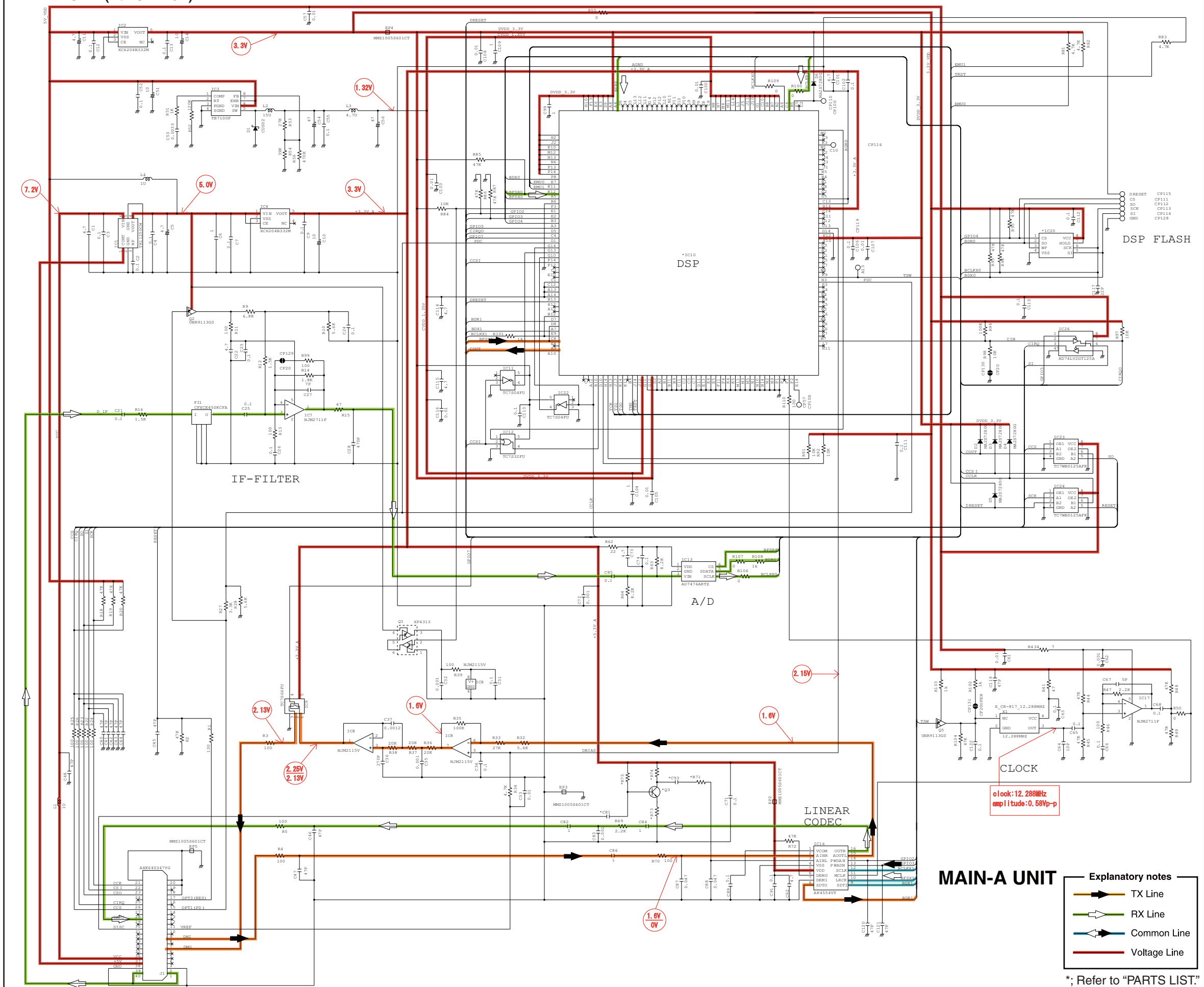
Explanatory notes

- TX Line
- RX Line
- Common Line
- Voltage Line

MAIN UNIT

*; Refer to "PARTS LIST."

• MAIN-A UNIT (For UT-126H)



MAIN-A UNIT

Explanatory notes

- TX Line
- RX Line
- Common Line
- Voltage Line

*; Refer to "PARTS LIST."

Sep. 2008



SERVICE MANUAL ADDENDUM

UT-119S UT-119H UT-126H

CONTENTS

PARTS LIST	1
BOARD LAYOUTS	4
VOLTAGE DIAGRAM	8

[MAIN UNIT] (For UT-119S/H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C83	4030017460	S.CER ECJ0EB1E102K	B	22.3/8.9
C84	4030018860	S.CER ECJ0EB0J105K	B	20.5/7
C85	4030016930	S.CER ECJ0EB1A104K	T	19.6/1.2
C86	4030018860	S.CER ECJ0EB0J105K	B	26.3/8.1
C87	4030016950	S.CER ECJ0EB1A473K	B	26.3/6.3
C88	4030016950	S.CER ECJ0EB1A473K	B	28.4/3.9
C89	4030016930	S.CER ECJ0EB1A104K	B	25/6.6
C91	4030016930	S.CER ECJ0EB1A104K	B	30.7/1.5
C92	4030018910	S.CER C1608 JB 0J 475K-T	B	29.5/1.8
C93	4030018860	S.CER ECJ0EB0J105K [GEN-04] only	B	30.3/3.9
C100	4030016790	S.CER ECJ0EB1C103K	T	14.9/8.4
C101	4030018910	S.CER C1608 JB 0J 475K-T	T	14.1/16.7
C102	4030016930	S.CER ECJ0EB1A104K	B	17.3/15
C103	4030016790	S.CER ECJ0EB1C103K	T	11.6/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1C103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	2.5/10.6
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	6.8/18
C116	4030016790	S.CER ECJ0EB1C103K	T	9.2/18.2
C117	4030017400	S.CER ECJ0EC1H220J [GEN-04] only	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	T	22.6/5.5
C121	4030017420	S.CER ECJ0EC1H470J [GEN-04] only	T	21.7/5.5
J1	6510025230	S.CON AXK640345J2	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/13.7
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7

[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1180002271	S.REG TK11250CMCL-G	T	28.2/10.9
IC2	1180002590	S.REG XC6204B332MR	B	12/3.5
IC3	1110006700	S.IC TB7100F (TE85L,F)	T	26.9/17.1
IC4	1180002590	S.REG XC6204B332MR	T	22.2/10.9
IC7	1110006230	S.IC NJM2711F-TE1-#ZZZB	T	25.4/2.3
IC8	1110005290	S.IC NJM2115V-TE1-#ZZZB	B	21.6/12.7
IC9	1130007021	S.IC TC7S66FU(TE85L,F)	B	22.8/16.3
IC10	1140013290	S.IC TMS320VC5509AZHH	T	7.2/11.1
IC11	1130006891	S.IC TC7S04FU(TE85R,F)	B	8.2/10.5
IC12	1130007281	S.IC TC7S32FU(TE85R,F)	B	8.2/13.4
IC13	1190002080	S.IC AD7476ARTZ-500RL7	T	17.4/3
IC16	1130012910	S.IC AK4554VTP-E2/P	B	24/3
IC17	1110006230	S.IC NJM2711F-TE1-#ZZZB	B	17.2/5.1
IC20	1130013360	S.IC AT25F2048N-10SU-2.7SL383	B	4.1/2.6
IC22	1130006891	S.IC TC7S04FU(TE85R,F)	T	15.1/10.8
IC23	1130013040	S.IC TC7WBD125AFK(T5L,F)	B	5.3/14.5
IC24	1130013040	S.IC TC7WBD125AFK(T5L,F)	B	14.6/14.5
IC26	1130013050	S.IC HD74LV2GT125AUSE-E	B	10.8/14.5
Q1	1590003550	S.TRA XP4313(TX)	B	19.8/17
Q2	1590003230	S.TRA UNR9113J-(TX)	T	23.8/8
Q3	1530003190	S.TRA 2SC4617 TLQ	B	33.5/4.4
Q5	1590003230	S.TRA UNR9113J-(TX)	B	4.8/7.1
D1	1750001280	S.DIO CUS02(TE85L,Q)	T	24.4/14.4
D2	1790001240	S.DIO MA2S728-(TX)	B	8.3/16.6
D3	1790001240	S.DIO MA2S728-(TX)	B	5.1/17.3
D4	1790001240	S.DIO MA2S728-(TX)	B	6.9/17.5
D5	1790001240	S.DIO MA2S728-(TX)	B	4/9.8
D6	1790001240	S.DIO MA2S728-(TX)	B	3.2/18.2
F11	2020002210	S.CER CFXCE450KCFA-R10	T	29.3/2.1
X1	6050012930	S.XTA CR-886 DSA321SCA 12.288 MHz	B	15/9.1
L1	6200001620	S.COI ELJFC 1R0K-F	T	32.9/10.4
L2	6200012090	S.COI CDRH2D18HP-150NC	T	21.9/17.6
L3	6200007830	S.COI ELJFC 4R7K-F	T	15.6/18.8
L4	6200001620	S.COI ELJFC 1R0K-F	T	21.5/14.3
R1	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/14.6
R2	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	25/16.2
R3	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/13.7
R4	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/9
R5	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.2/9.9
R9	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	T	26/6.4
R10	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	27.8/6.4
R11	7030004980	S.RES ERJ2GEJ 101 X (100)	T	25.1/6.4
R12	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	26.9/4.8
R13	7030004980	S.RES ERJ2GEJ 101 X (100)	T	22.3/2.8
R14	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	T	21.4/1.2
R15	7030004970	S.RES ERJ2GEJ 470 X (47)	T	20.5/1.2
R16	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	30.6/4.5
R18	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	15.1/18.3
R19	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	3.5/15.4
R20	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	7.1/15.4
R22	7030004980	S.RES ERJ2GEJ 101 X (100)	B	27/18.3
R23	7030004980	S.RES ERJ2GEJ 101 X (100)	B	27/17.4
R24	7030004980	S.RES ERJ2GEJ 101 X (100)	B	28.7/19.2
R25	7030004980	S.RES ERJ2GEJ 101 X (100)	B	33.2/19.2
R26	7030004980	S.RES ERJ2GEJ 101 X (100)	B	33.2/18.3
R27	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	31.2/14.3
R28	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	32.2/14.3
R32	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	B	19.6/7.2
R33	7030005600	S.RES ERJ2GEJ 273 X (27K)	B	19.6/8.9
R34	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	17.3/12.1
R35	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	19.8/10.1
R36	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	21.4/10.1
R37	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	24.6/10.1
R38	7030009710	S.RES ERJ2GEJ 203 X (20K)	B	26.3/11.9
R39	7030004980	S.RES ERJ2GEJ 101 X (100)	B	20.1/15.2
R41	7030004970	S.RES ERJ2GEJ 470 X (47)	B	12.8/6.6
R43	7030004970	S.RES ERJ2GEJ 470 X (47)	B	18.2/8.2
R44	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	18.2/7.3
R45	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	17.7/5
R46	7030004980	S.RES ERJ2GEJ 101 X (100)	B	18.5/2.7
R47	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	17.6/2.7
R48	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.6/4.8
R49	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.6/2.5
R50	7030010040	S.RES ERJ2GEJ-JPW	B	14.6/3.9
R51	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	29.5/19.2
R52	7030005310	S.RES ERJ2GEJ 124 X (120K)	T	29.5/18.2
R53	7030011060	S.RES RR0510P-273-D (27K)	T	19.6/15.9
R54	7030008260	S.RES RR0510P-393-D (39K)	T	27.7/14.2
R55	7030010040	S.RES ERJ2GEJ-JPW	B	12.8/5.7
R56	7030005170	S.RES ERJ2GEJ 474 X (470K)	T	28.7/14.2
R62	7030007250	S.RES ERJ2GEJ 220 X (22)	T	15.8/6.8
R63	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	T	18.3/0.81
R64	7030005210	S.RES ERJ2GEJ 822 X (8.2K)	T	19.6/2.8
R69	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	20.5/8.9
R70	7030004980	S.RES ERJ2GEJ 101 X (100)	B	26.3/7.2
R71	7030004980	S.RES ERJ2GEJ 101 X (100)	B	29.3/3.9

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

S.=Surface mount

[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R72	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	28.4/2.3
R73	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	34.2/1.6
R74	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	31.2/3.9
R75	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	33.8/5.9
R81	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	9.9/4.3
R82	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	8.3/4.3
R83	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	12.4/4.3
R84	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	2.3/9.8
R85	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	15.8/5.6
R86	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	22/6.5
R87	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	23.5/5.2
R91	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	10.5/8.9
R92	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	11.4/8.9
R93	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/1.3
R94	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/2.9
R95	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	8.6/3.8
R96	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	10.5/10.7
R97	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	11.4/10.7
R98	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	12.3/16.6
R99	7030004980	S.RES ERJ2GEJ 101 X (100)	T	23.2/1.2
R100	7030010040	S.RES ERJ2GEJ-JPW	T	5.3/17.9
R101	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	9.5/17.9
R102	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	1.2/6.7
R103	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	1.2/7.6
R104	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	14.4/11.6
R106	7030010040	S.RES ERJ2GEJ-JPW	T	18.4/6.5
R107	7030010040	S.RES ERJ2GEJ-JPW	T	17.6/5.2
R108	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	5.4/8.7
R109	7030010040	S.RES ERJ2GEJ-JPW	B	0.81/12.7
R110	7030004980	S.RES ERJ2GEJ 101 X (100)	B	3/11.6
C1	4030018560	S.CER C2012 JB 1A 475K-T	T	32.9/12.6
C2	4030016930	S.CER ECJ0EB1A104K	T	25.7/11.8
C3	4030016930	S.CER ECJ0EB1A104K	T	30.7/10.4
C4	4030016930	S.CER ECJ0EB1A104K	T	25.7/10.2
C5	4550007930	S.TAN TEESVJ 1A 475M8R	T	24.6/10.5
C6	4030018860	S.CER ECJ0EB0J105K	T	26.2/8.4
C7	4030016930	S.CER ECJ0EB1A104K	T	25.3/8.4
C9	4030016930	S.CER ECJ0EB1A104K	T	18.4/9.9
C10	4550007730	S.TAN TEESVJ 0J 106M8R	T	19.7/10.9
C11	4550007930	S.TAN TEESVJ 1A 475M8R	B	12/1.2
C12	4030016930	S.CER ECJ0EB1A104K	B	14.1/1.5
C13	4030016930	S.CER ECJ0EB1A104K	B	9.8/4.1
C14	4550007730	S.TAN TEESVJ 0J 106M8R	B	10.6/6.3
C21	4030016930	S.CER ECJ0EB1A104K	T	30.6/5.4
C22	4030018910	S.CER C1608 JB 0J 475K-T	T	25.2/5
C23	4030016930	S.CER ECJ0EB1A104K	T	23.9/6.4
C24	4030016930	S.CER ECJ0EB1A104K	T	26.9/6.4
C25	4030016930	S.CER ECJ0EB1A104K	T	27.8/4.8
C26	4030016930	S.CER ECJ0EB1A104K	T	21.4/2.8
C27	4030017590	S.CER ECJ0EC1H070C	T	22.3/1.2
C28	4030017730	S.CER ECJ0EB1E471K	T	20.5/2.8
C31	4030016930	S.CER ECJ0EB1A104K	B	18.2/15
C32	4030017460	S.CER ECJ0EB1E102K	B	17.9/17.2
C33	4030016790	S.CER ECJ0EB1C103K	B	17.3/13.7
C34	4030016930	S.CER ECJ0EB1A104K	B	18.2/10.9
C35	4030017460	S.CER ECJ0EB1E102K	B	23/10.1
C36	4030017450	S.CER ECJ0EB1E271K	B	24.8/11
C37	4030017750	S.CER ECJ0EB1E122K	B	26.3/12.8
C40	4030017420	S.CER ECJ0EC1H470J	B	27/19.2
C41	4030017420	S.CER ECJ0EC1H470J	B	25.4/18.3
C42	4030017420	S.CER ECJ0EC1H470J	B	24.9/17.4
C43	4030017420	S.CER ECJ0EC1H470J	T	31.2/18.2
C44	4030017420	S.CER ECJ0EC1H470J	B	31.6/19.2
C45	4030017420	S.CER ECJ0EC1H470J	B	25.9/16.2
C46	4030017420	S.CER ECJ0EC1H470J	B	24.1/8.9
C47	4030017420	S.CER ECJ0EC1H470J	B	25.1/8.5
C48	4030017420	S.CER ECJ0EC1H470J	T	33.2/14.3
C51	4550007730	S.TAN TEESVJ 0J 106M8R	T	24.5/17.5
C52	4030016930	S.CER ECJ0EB1A104K	T	26.2/14.2
C53	4030017770	S.CER ECJ0EB1E332K	T	31.2/19.2
C54	4550007720	S.TAN TEESVP 0G 476M8R	T	18.2/16
C55	4030016930	S.CER ECJ0EB1A104K	T	18.5/18.5
C56	4550007720	S.TAN TEESVP 0G 476M8R	T	16.2/16
C57	4030016790	S.CER ECJ0EB1C103K	B	18.2/9.1
C61	4030016790	S.CER ECJ0EB1C103K	B	10.7/17.6
C62	4030017460	S.CER ECJ0EB1E102K	B	19.4/4.3
C63	4030016930	S.CER ECJ0EB1A104K	B	12.8/8.4
C64	4030017620	S.CER ECJ0EC1H100C	B	14.6/6.6
C65	4030016930	S.CER ECJ0EB1A104K	B	14.6/5.7
C66	4030016930	S.CER ECJ0EB1A104K	B	19.4/2.7
C67	4030017380	S.CER ECJ0EC1H050B	B	16.7/2.7
C68	4030016930	S.CER ECJ0EB1A104K	B	15.8/2.7
C71	4030016930	S.CER ECJ0EB1A104K	B	33.8/7.1
C72	4030017460	S.CER ECJ0EB1E102K	T	18.7/8.7
C73	4030018910	S.CER C1608 JB 0J 475K-T	T	14.5/4.5
C74	4030016930	S.CER ECJ0EB1A104K	T	16.5/0.81
C81	4030018860	S.CER ECJ0EB0J105K	B	34.2/9.6
C82	4030018860	S.CER ECJ0EB0J105K	B	23.2/8.9
C83	4030017460	S.CER ECJ0EB1E102K	B	22.3/8.9
C84	4030018860	S.CER ECJ0EB0J105K	B	20.5/7.2
C85	4030016930	S.CER ECJ0EB1A104K	T	19.6/1.2
C86	4030018860	S.CER ECJ0EB0J105K	B	26.3/8.1
C87	4030016950	S.CER ECJ0EB1A473K	B	26.3/6.3
C88	4030016950	S.CER ECJ0EB1A473K	B	28.4/3.9
C89	4030016930	S.CER ECJ0EB1A104K	B	25/6.6
C91	4030016930	S.CER ECJ0EB1A104K	B	30.7/1.5
C92	4030018910	S.CER C1608 JB 0J 475K-T	B	29.5/1.8

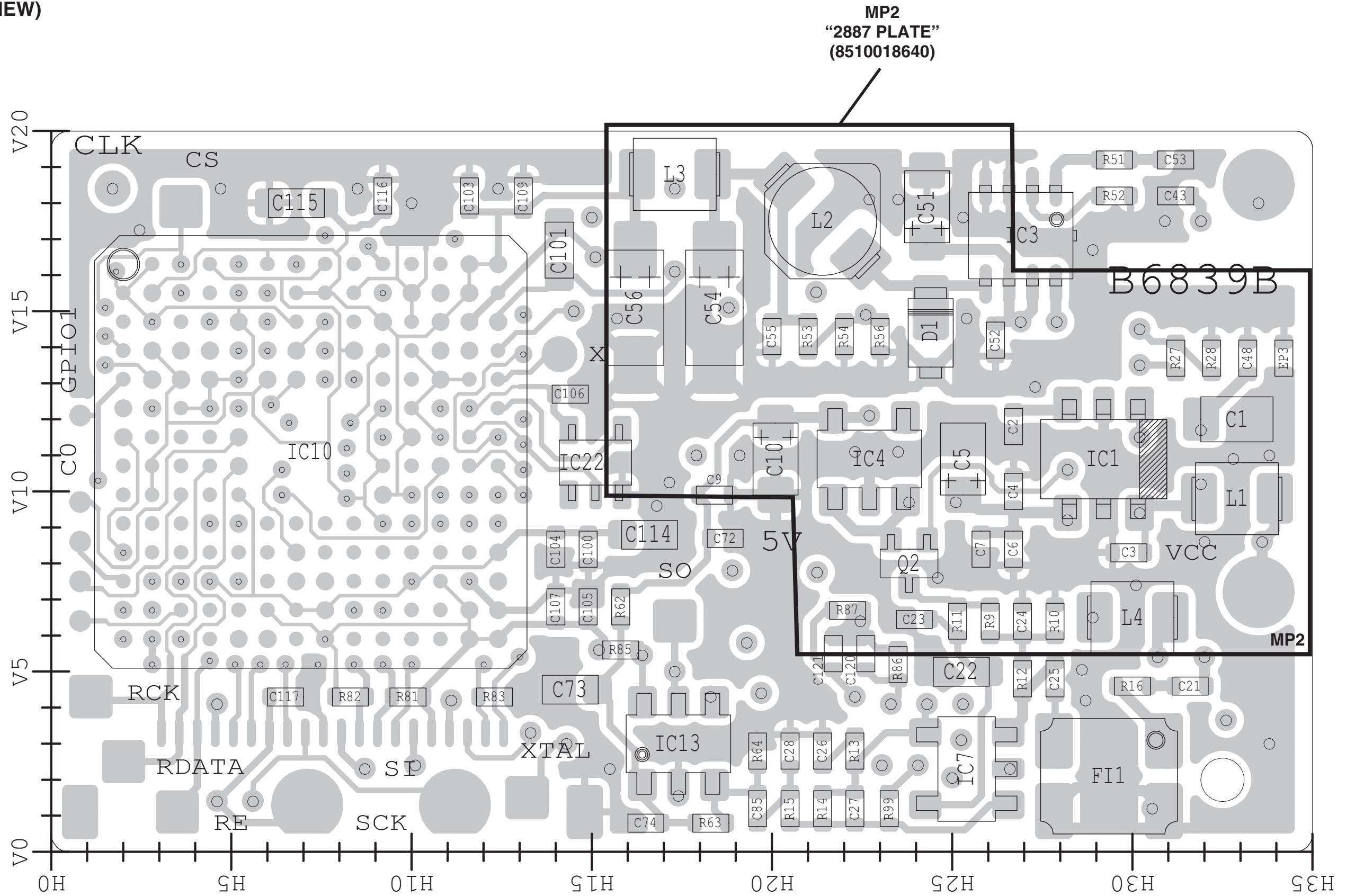
[MAIN-A UNIT] (For UT-126H)

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C93	4030018860	S.CER ECJ0EB0J105K	B	30.3/3.9
C99	4030018860	S.CER ECJ0EB0J105K	B	8.7/8.4
C100	4030016790	S.CER ECJ0EB1C103K	T	14.9/8.4
C101	4030018910	S.CER C1608 JB 0J 475K-T	T	14.1/16.4
C102	4030016930	S.CER ECJ0EB1A104K	B	17.3/15.3
C103	4030016790	S.CER ECJ0EB1C103K	T	12.2/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1C103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	7.8/8.4
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	7.4/18
C116	4030016790	S.CER ECJ0EB1C103K	T	4.1/18.3
C117	4030017400	S.CER ECJ0EC1H220J	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J	T	21.7/5.3
C121	4030017420	S.CER ECJ0EC1H470J	T	22.6/5.3
C122	4030016930	S.CER ECJ0EB1A104K	B	16/11.6
J1	6510025230	S.CON AXK640345J2	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/14.3
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7
EP5	6910016330	S.BEA MMZ1005S 601CT-S	B	26.8/16.2

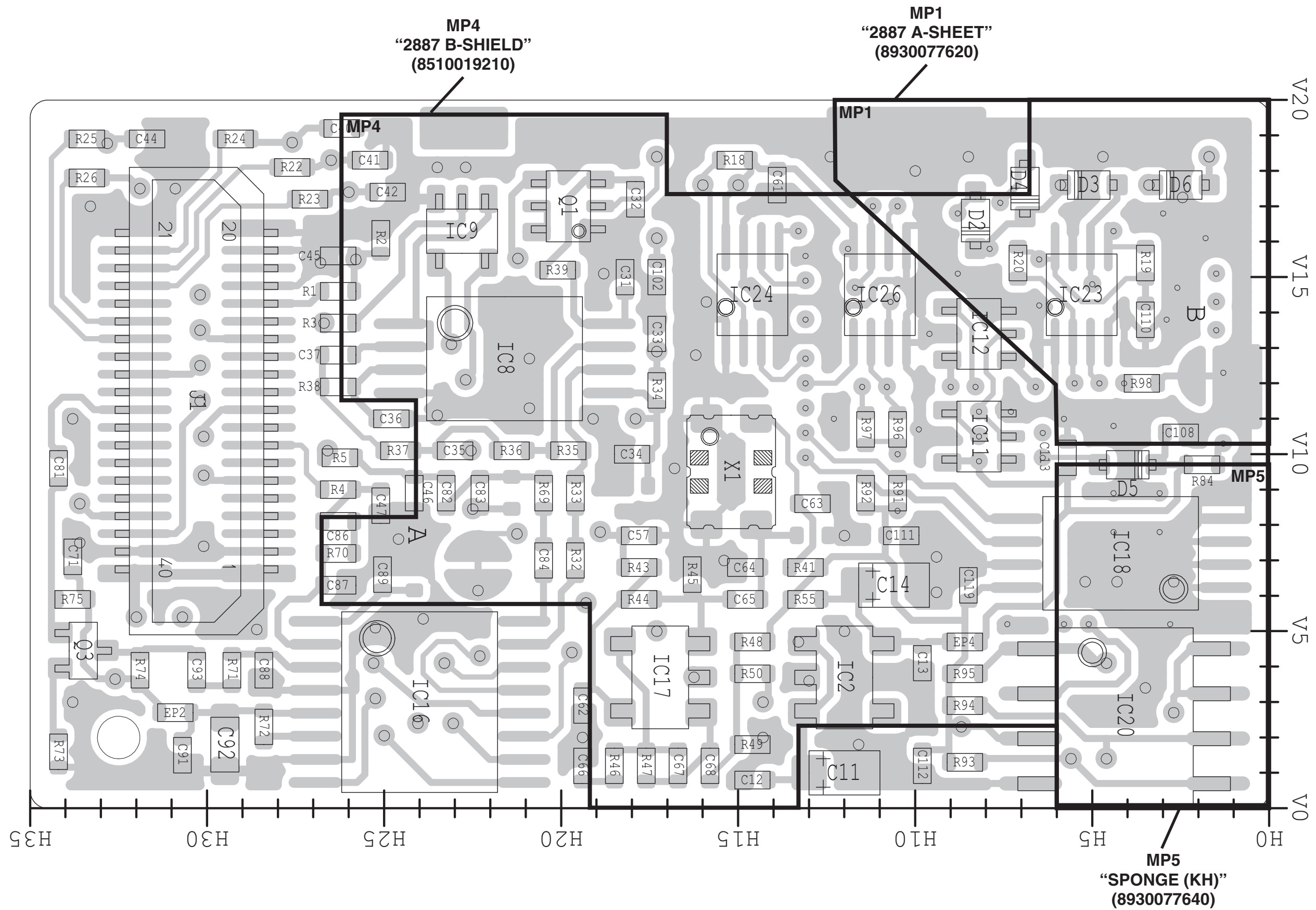
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

BOARD LAYOUTS

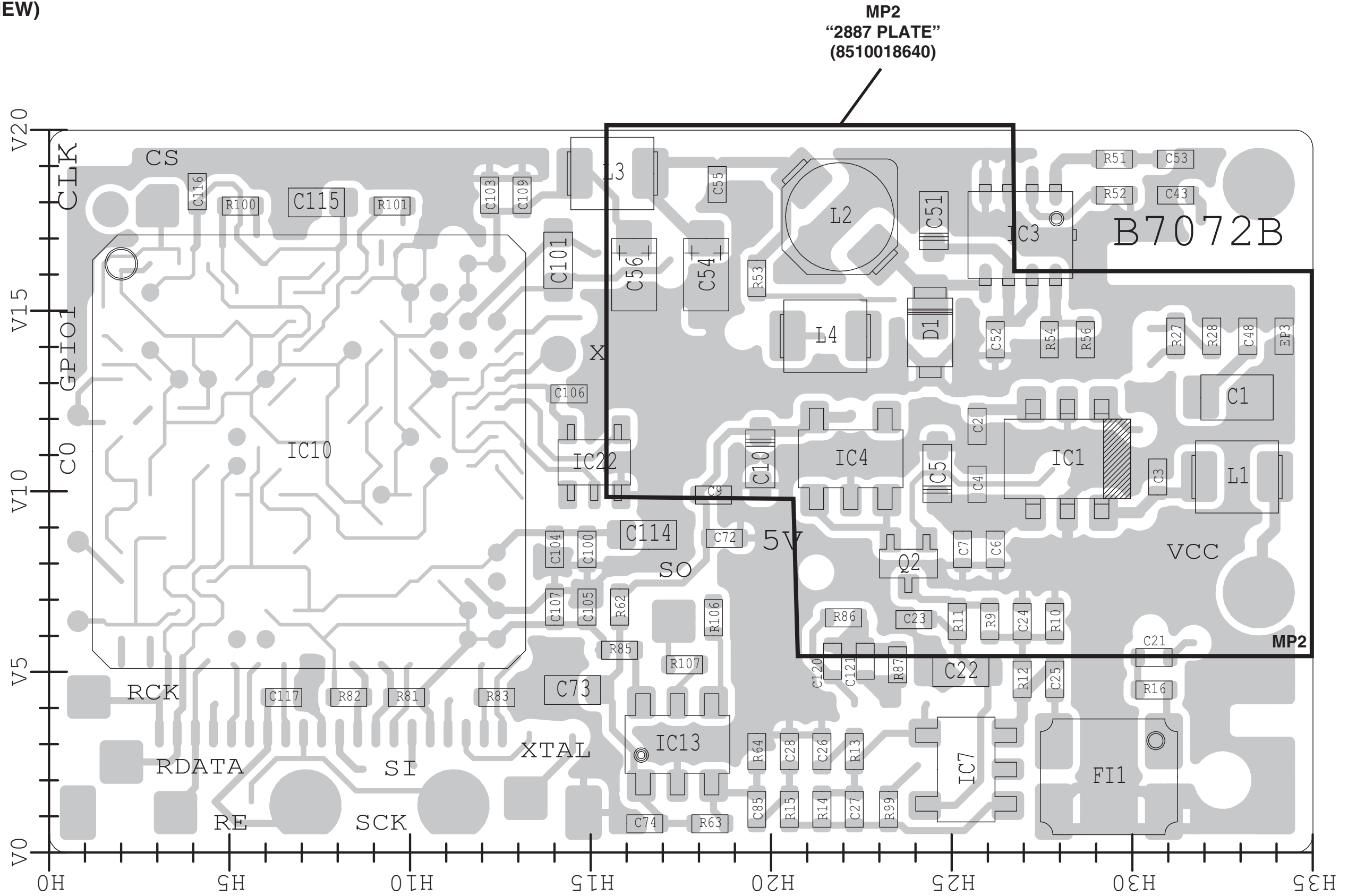
- MAIN UNIT (For UT-119S/H)
(TOP VIEW)



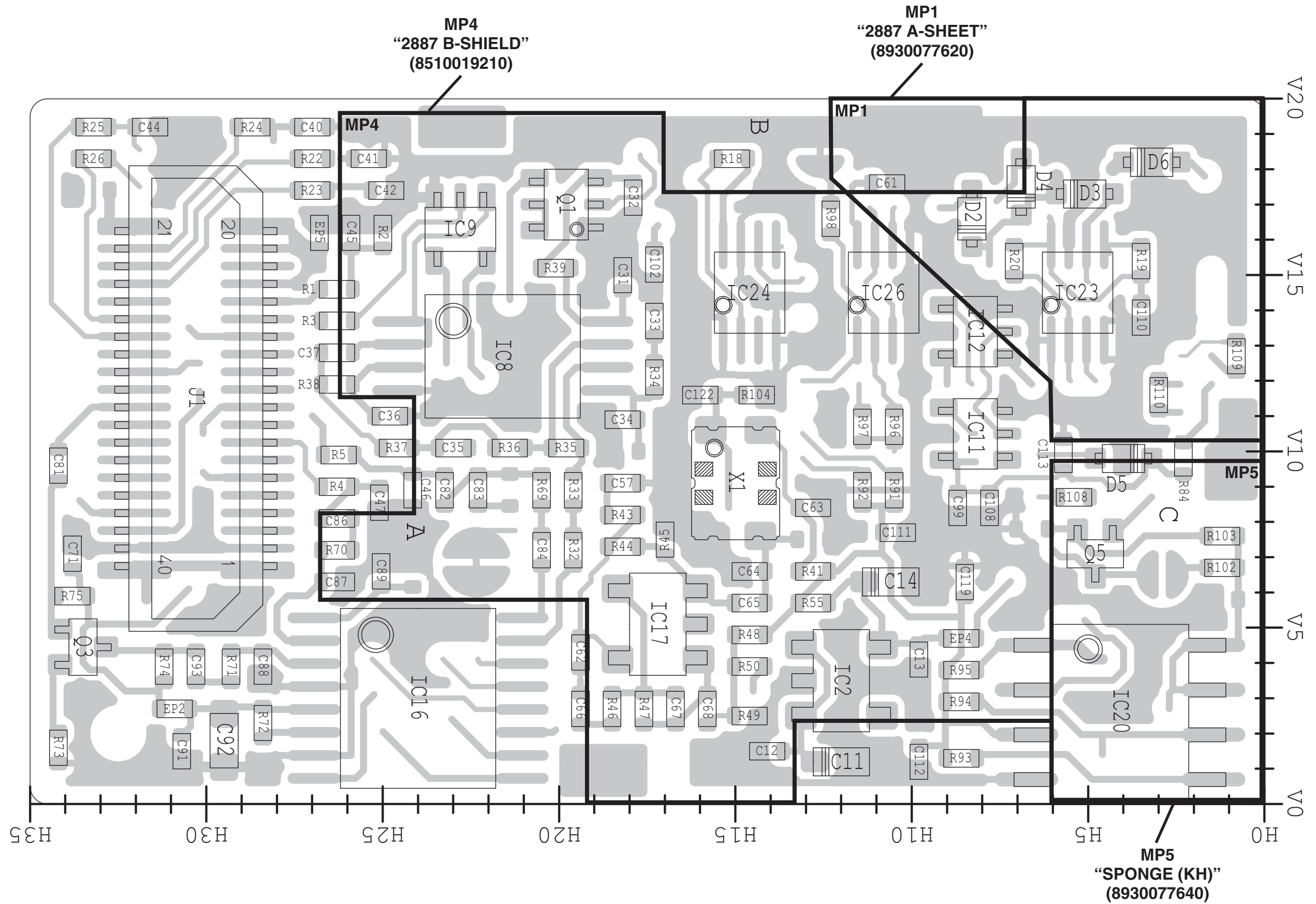
• MAIN UNIT (For UT-119S/H)
(BOTTOM VIEW)



• MAIN-A UNIT (For UT-126H)
(TOP VIEW)

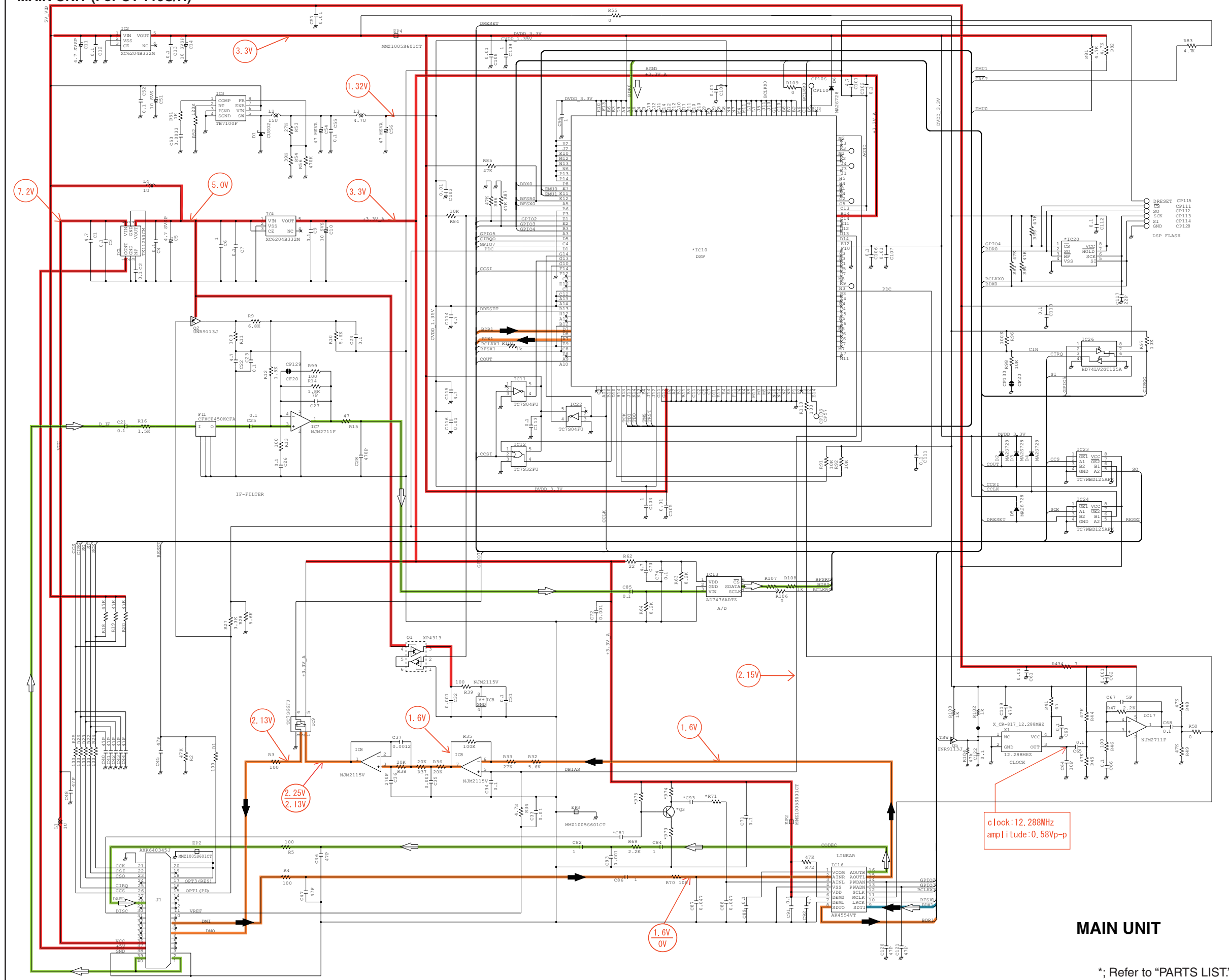


• MAIN-A UNIT (For UT-126H)
(BOTTOM VIEW)



VOLTAGE DIAGRAM

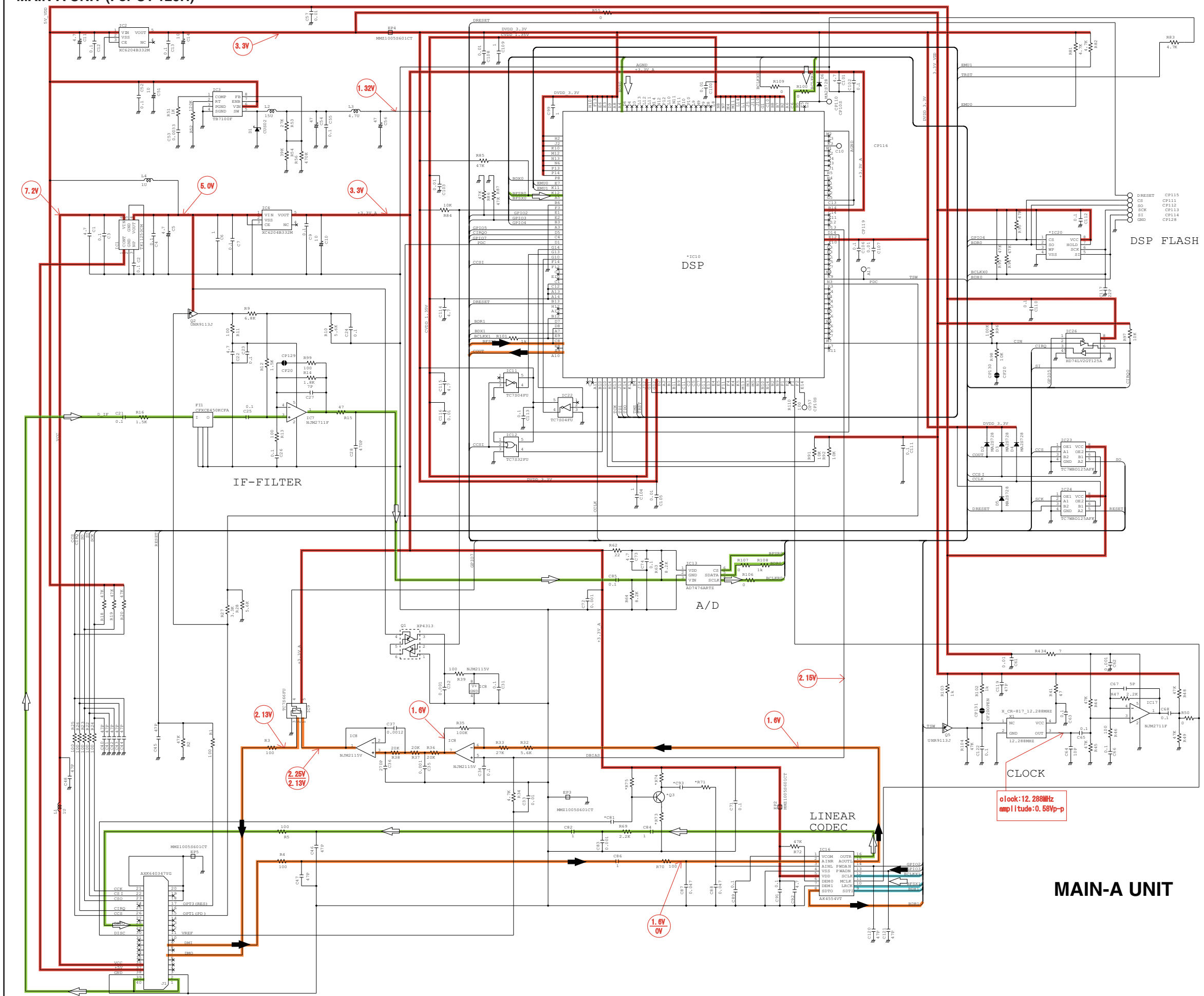
• MAIN UNIT (For UT-119S/H)



MAIN UNIT

*; Refer to "PARTS LIST."

• MAIN-A UNIT (For UT-126H)



MAIN-A UNIT

Jul. 2008



SERVICE MANUAL ADDENDUM

UT-119S UT-119H UT-126H

CONTENTS

PARTS LIST	1
BOARD LAYOUTS	3
BLOCK DIAGRAM	5
VOLTAGE DIAGRAM	6

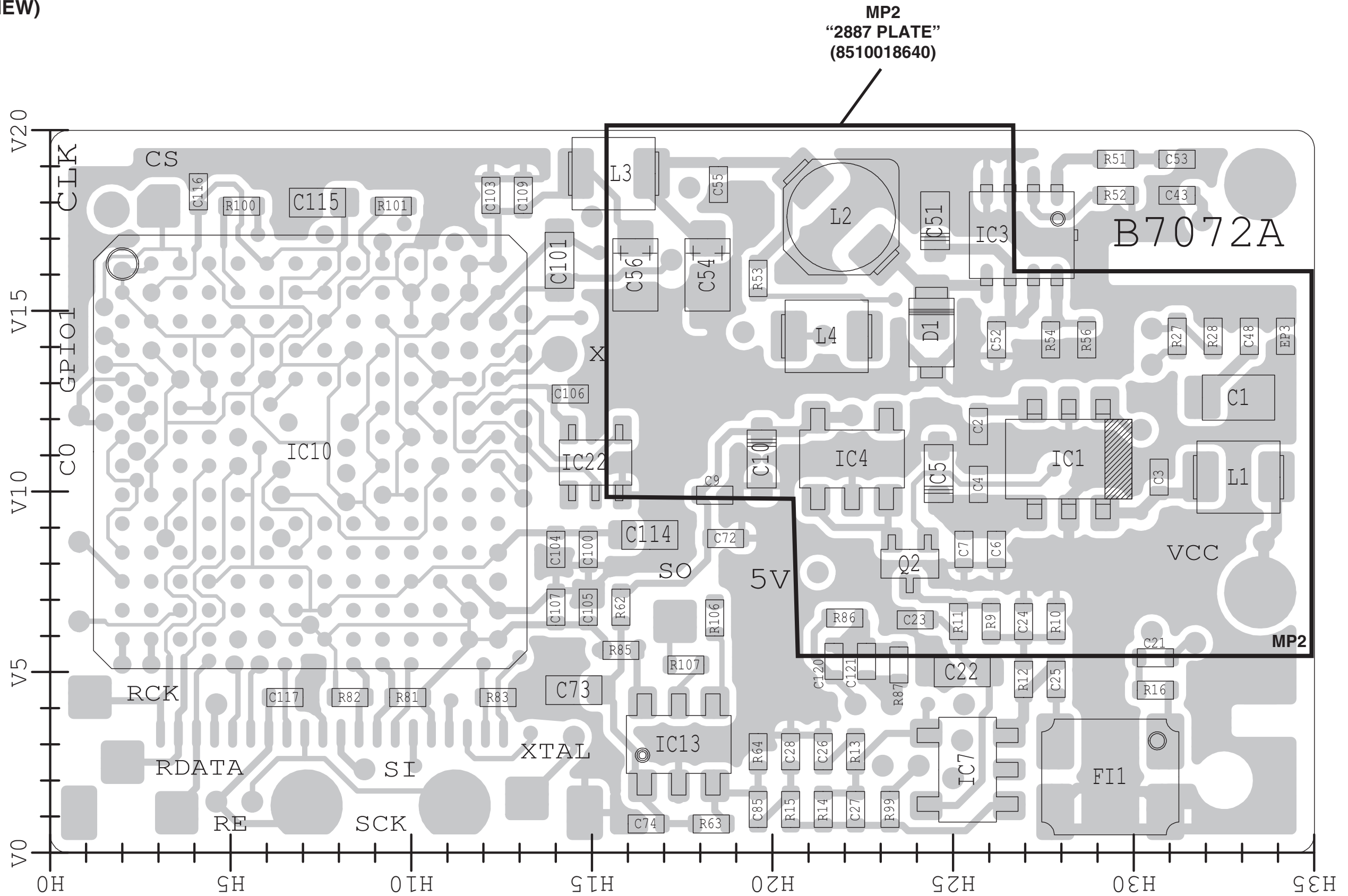
[MAIN-A UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C92	4030018910	S.CER C1608 JB 0J 475K-T	B	29.5/1.8
C93	4030018860	S.CER ECJ0EB0J105K	B	30.3/3.9
C99	4030018860	S.CER ECJ0EB0J105K	B	8.7/8.4
C100	4030016790	S.CER ECJ0EB1C103K	T	14.9/8.4
C101	4030018910	S.CER C1608 JB 0J 475K-T	T	14.1/16.4
C102	4030016930	S.CER ECJ0EB1A104K	B	17.3/15.3
C103	4030016790	S.CER ECJ0EB1C103K	T	12.2/18.2
C104	4030018860	S.CER ECJ0EB0J105K	T	14/8.4
C105	4030016790	S.CER ECJ0EB1C103K	T	14.9/6.8
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	7.8/8.4
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	7.4/18
C116	4030016790	S.CER ECJ0EB1C103K	T	4.1/18.3
C117	4030017400	S.CER ECJ0EC1H220J	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J	T	21.7/5.3
C121	4030017420	S.CER ECJ0EC1H470J	T	22.6/5.3
C122	4030016930	S.CER ECJ0EB1A104K	B	16/11.6
J1	6510025230	S.CNR AXK640345J	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/14.3
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7
EP5	6910016330	S.BEA MMZ1005S 601CT-S	B	26.8/16.2

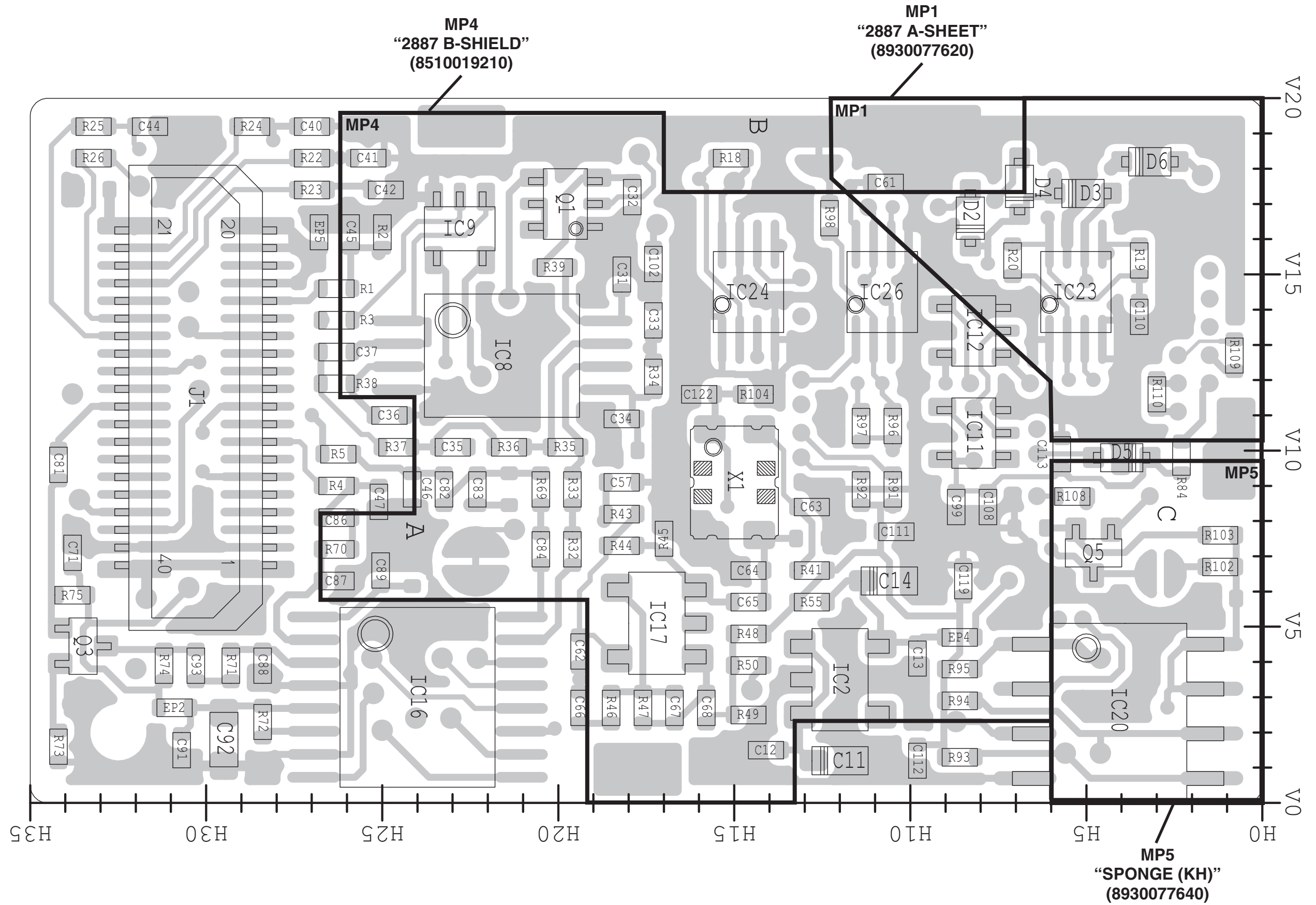
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

BOARD LAYOUTS

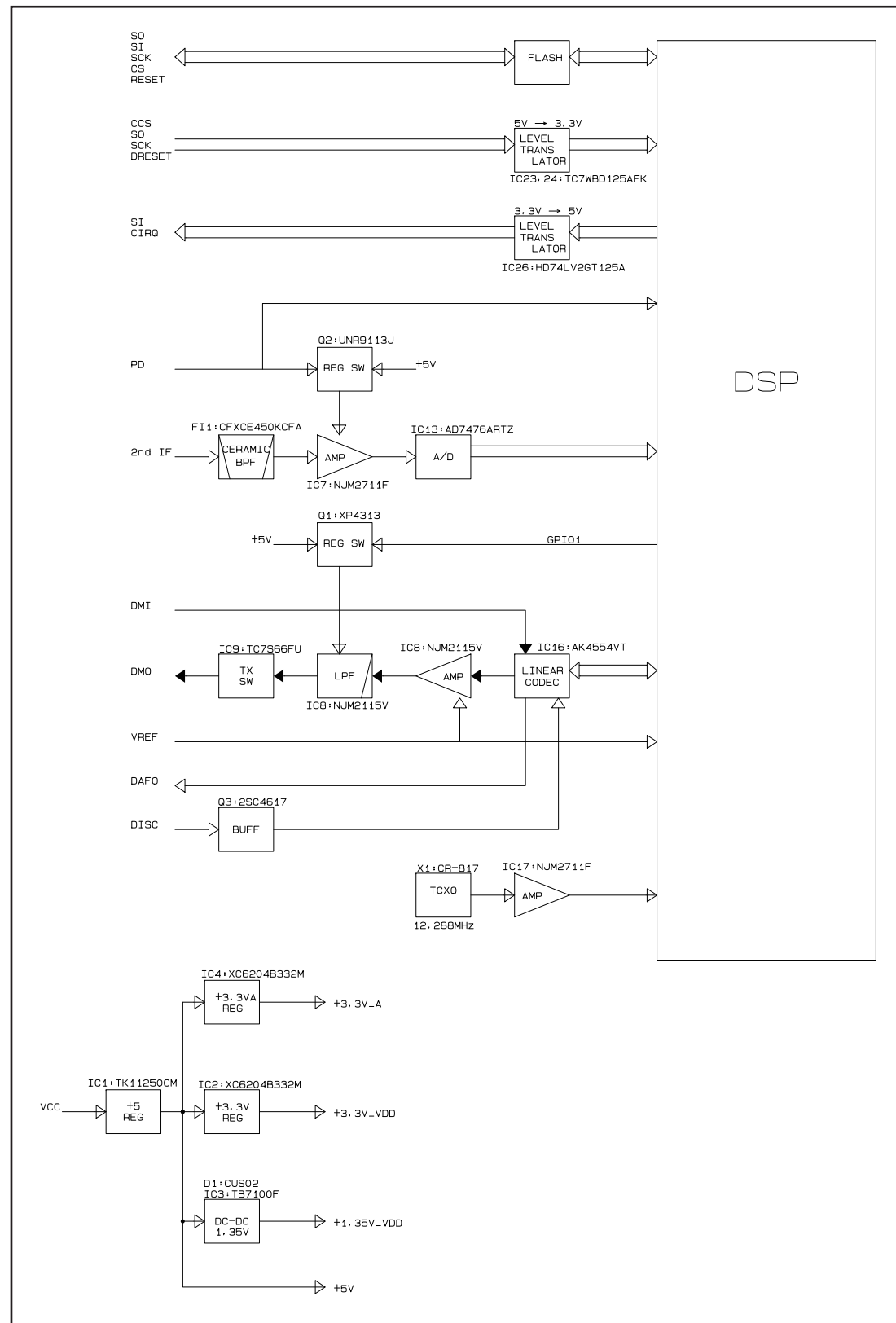
• MAIN-A UNIT (TOP VIEW)



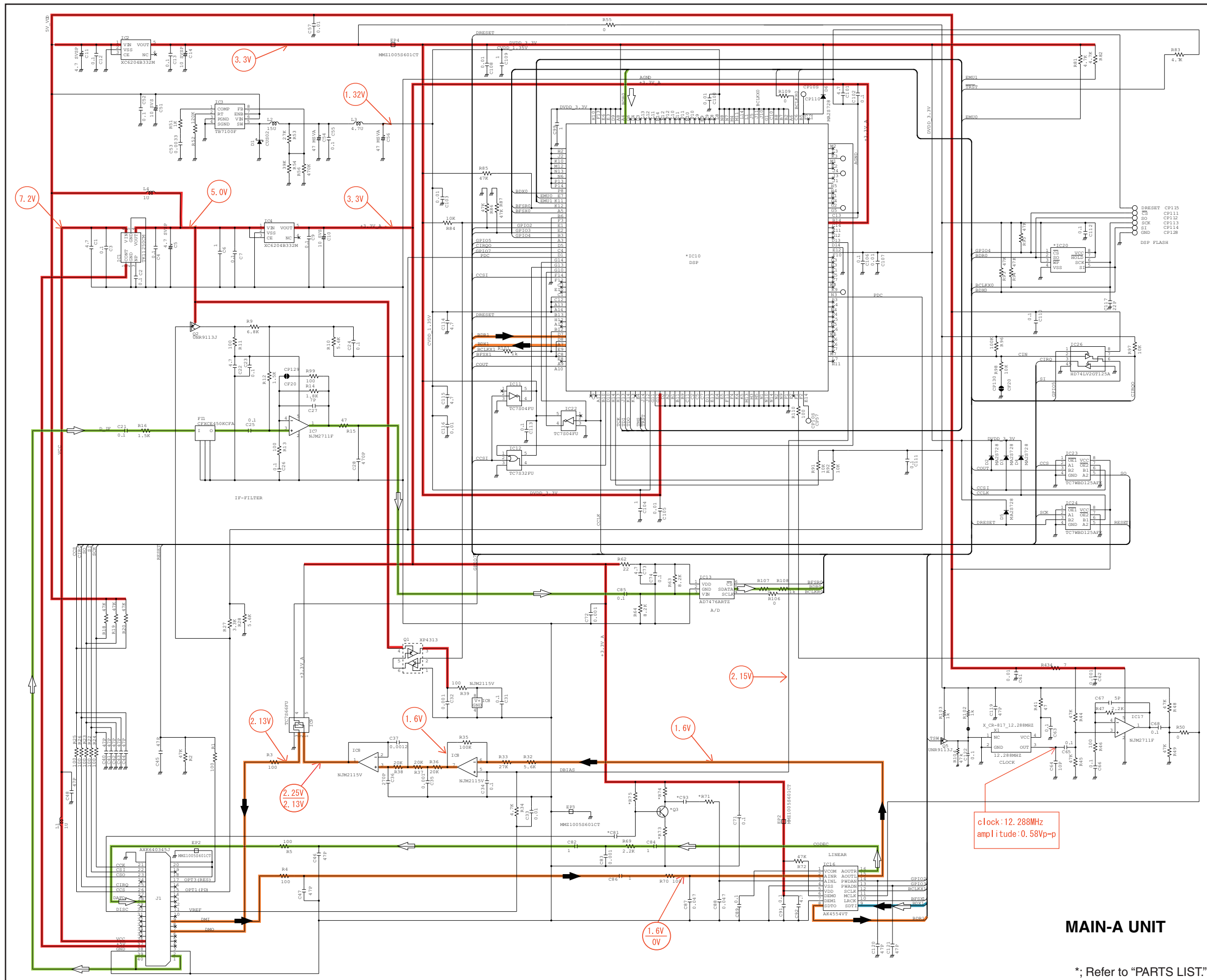
• MAIN-A UNIT
(BOTTOM VIEW)



BLOCK DIAGRAM



VOLTAGE DIAGRAM



MAIN-A UNIT

*; Refer to "PARTS LIST."



SERVICE MANUAL

DIGITAL MODULATOR/DEMODULATOR UNIT

UT-119H
UT-126H

S-14423XZ-C1
Feb. 2008

Icom Inc.

INTRODUCTION

This service manual describes the latest technical information for the **UT-119H** and **UT-126H** DIGITAL MODULATOR/DEMODULATOR UNIT at the time of publication.

ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

1. 10-digit Icom parts numbers
2. Component name
3. Equipment model name and unit name
4. Quantity required

<ORDER EXAMPLE>

1180002271	TK11250CM	UT-126H	MAIN-A UNIT	1 piece
6050012350	CR-817	UT-126H	MAIN-A UNIT	2 pieces

Addresses are provided on the inside back cover for your convenience.

CAUTION

NEVER connect the unit to an AC outlet or to a DC power supply. This will ruin the unit.

DO NOT expose the unit to rain, snow or any liquids.

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.



(UT-126H)

CONTENTS

- SECTION 1 SPECIFICATION
- SECTION 2 PARTS LIST
- SECTION 3 BOARD LAYOUTS
- SECTION 4 BLOCK DIAGRAM
- SECTION 5 VOLTAGE DIAGRAM

SECTION 1

SPECIFICATION

- Power supply voltage : 5.5–10 V (supplied from transceiver)
- Modulation method : 4-level FSK (FDMA)
- Data baud rate : 4800 bps
- Encoding method : DVSI AMBE+2
- Current drain (typical) : 54 mA (at TX)
45 mA (at RX)
38 mA (at Stand-by)

- Frequency accuracy : Less than ± 10 ppm
- Modulation input level : 150 mVp-p typ. (normal modulation level)
- Modulation output level : 500 mVrms typ. (max. amplitude pattern)
- AF output level : 35 mVrms typ. (NXDN 1031 pattern)
- Operating temperature range : -30°C to $+60^{\circ}\text{C}$; 22°F to 140°F
- Dimensions (approx.) : 35.0 (W) \times 7.0 (H) \times 20.0 (D) mm; $1\frac{3}{8}$ (W) \times $\frac{9}{32}$ (H) \times $\frac{25}{32}$ (D) in.
- Weight (approx.) : 3.5 g; $\frac{1}{8}$ oz
- Connector type : AXK640345J

[MAIN-A UNIT]

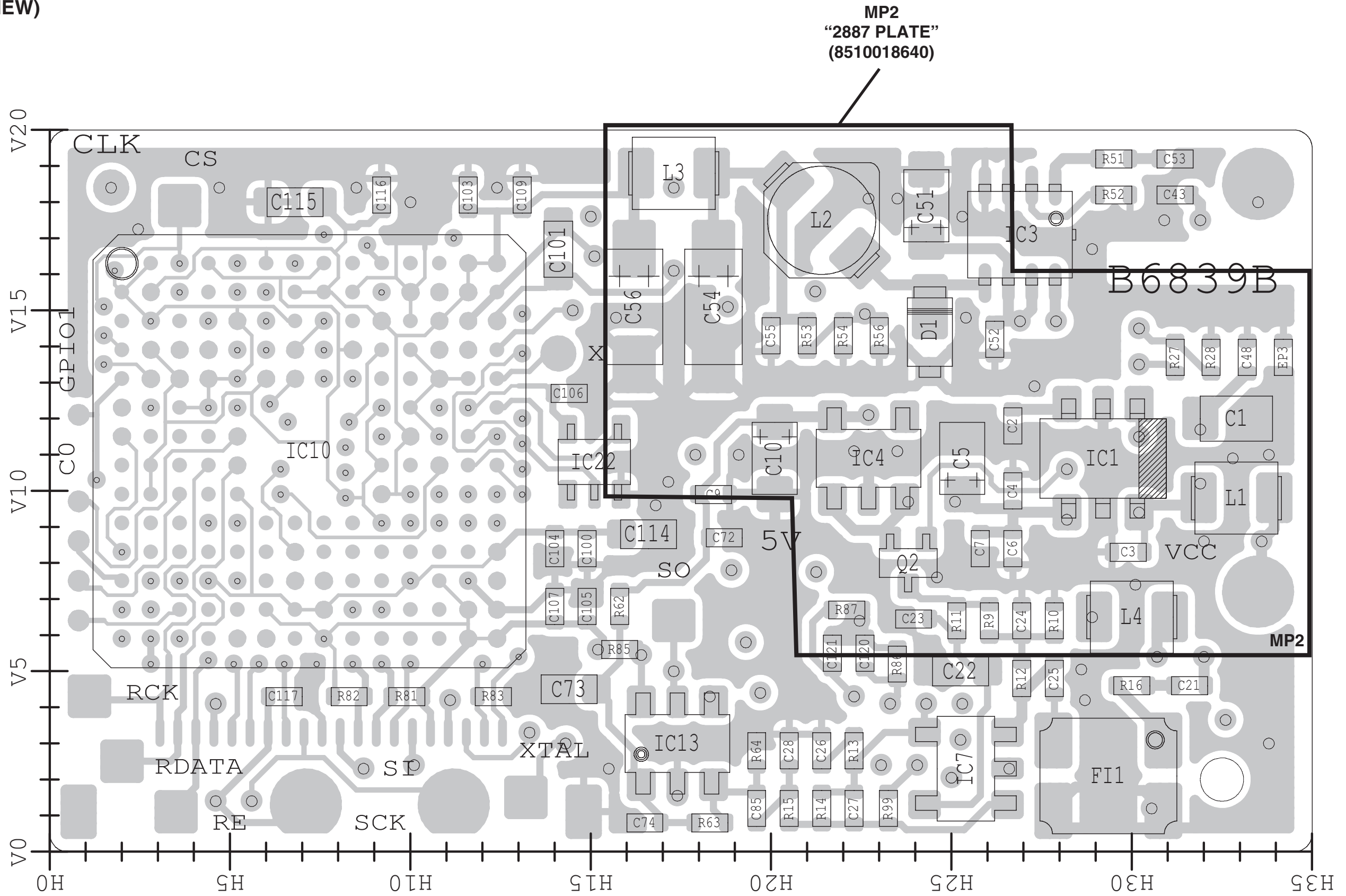
REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C106	4030016930	S.CER ECJ0EB1A104K	T	14.4/12.7
C107	4030016790	S.CER ECJ0EB1C103K	T	14/6.8
C108	4030016790	S.CER ECJ0EB1C103K	B	2.5/10.6
C109	4030018860	S.CER ECJ0EB0J105K	T	13.1/18.2
C110	4030016930	S.CER ECJ0EB1A104K	B	3.5/13.8
C111	4030016930	S.CER ECJ0EB1A104K	B	10.4/7.7
C112	4030016930	S.CER ECJ0EB1A104K	B	9.8/1.2
C113	4030016930	S.CER ECJ0EB1A104K	B	5.7/9.9
C114	4030018910	S.CER C1608 JB 0J 475K-T	T	16.6/8.8
C115	4030018910	S.CER C1608 JB 0J 475K-T	T	6.8/18
C116	4030016790	S.CER ECJ0EB1C103K	T	9.2/18.2
C117	4030017400	S.CER ECJ0EC1H220J [UT-126H] only	T	6.5/4.3
C119	4030017420	S.CER ECJ0EC1H470J [UT-126H] only	B	8.5/6.3
C120	4030017420	S.CER ECJ0EC1H470J [UT-126H] only	T	22.6/5.5
C121	4030017420	S.CER ECJ0EC1H470J [UT-126H] only	T	21.7/5.5
J1	6510025230	S.CNR AXK640345J	B	30.3/11.5
EP2	6910016330	S.BEA MMZ1005S 601CT-S	B	30.9/2.7
EP3	6910016330	S.BEA MMZ1005S 601CT-S	T	34.2/13.7
EP4	6910016330	S.BEA MMZ1005S 601CT-S	B	8.6/4.7

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

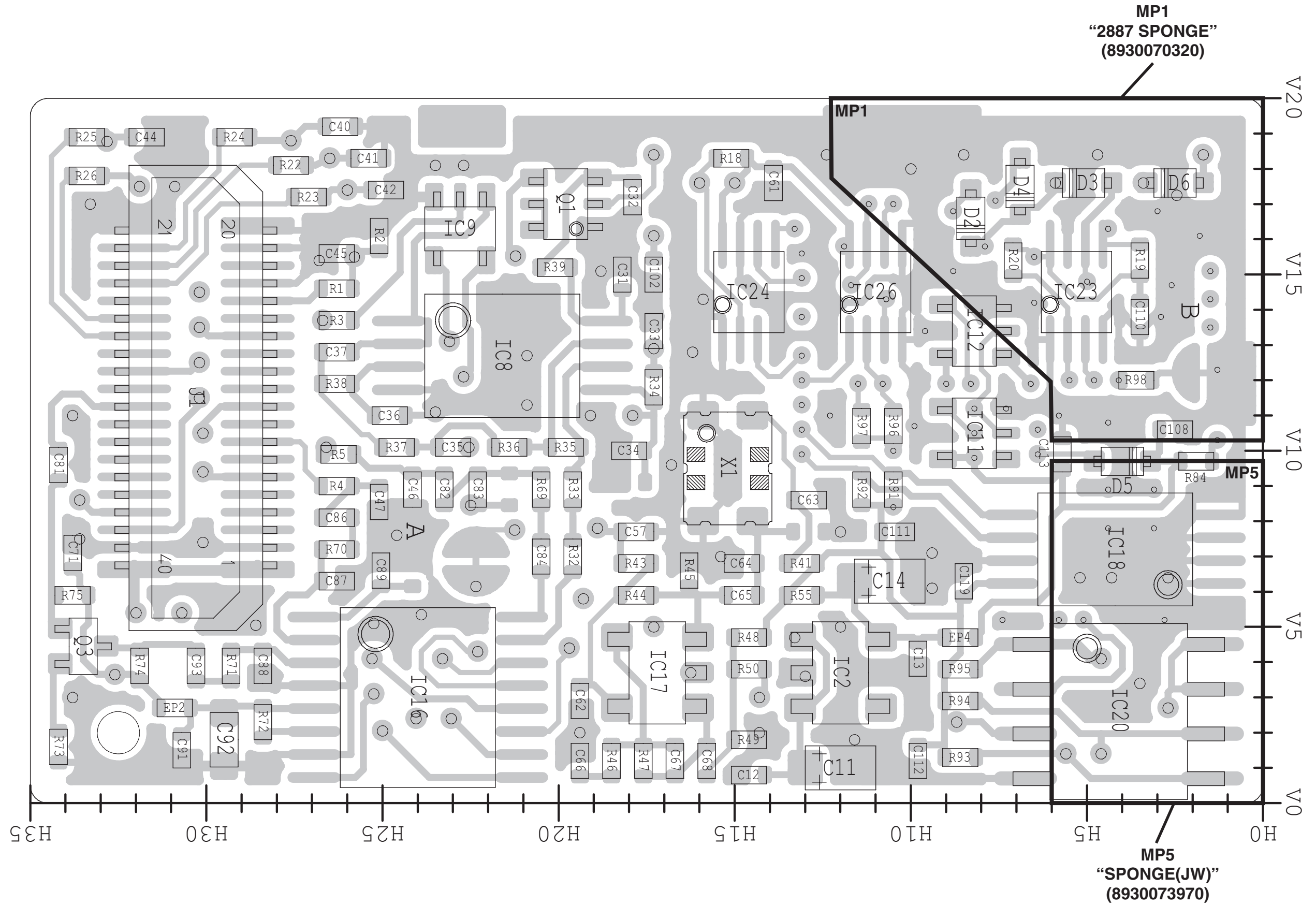
SECTION 3

BOARD LAYOUTS

• MAIN-A UNIT
(TOP VIEW)

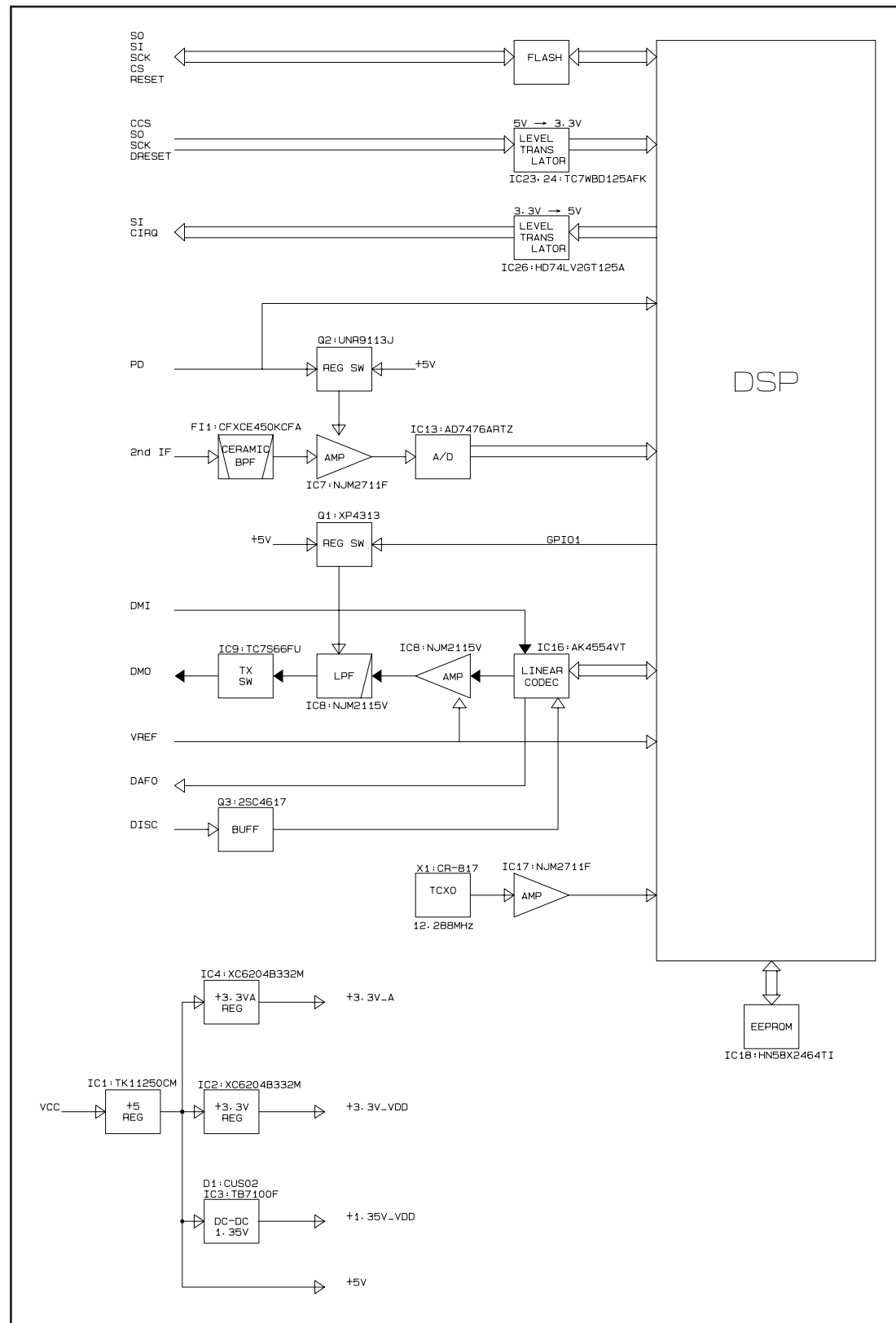


• MAIN-A UNIT
(BOTTOM VIEW)



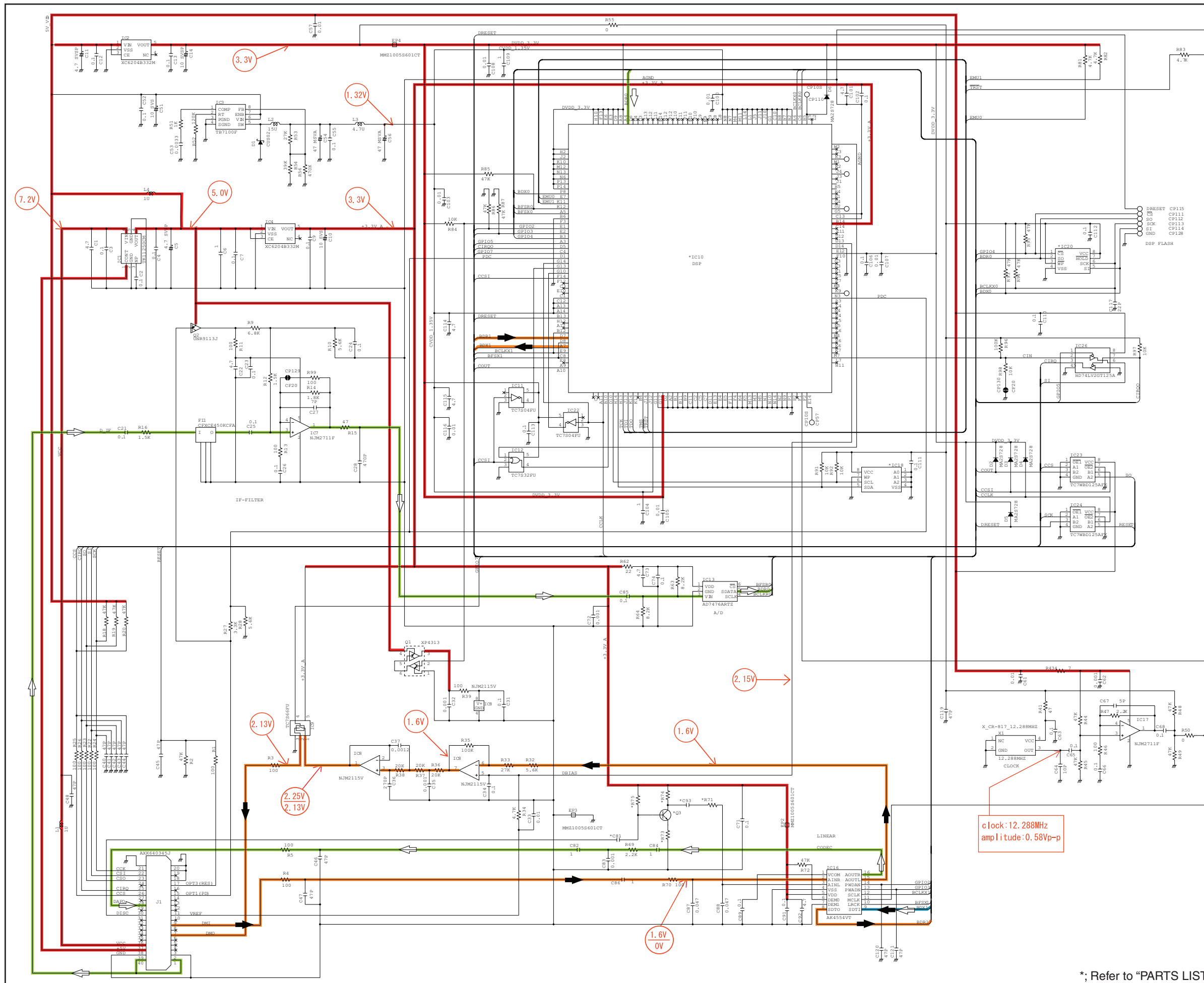
SECTION 4

BLOCK DIAGRAM



SECTION 5

VOLTAGE DIAGRAM



clock: 12.288MHz
amplitude: 0.58Vp-p

*; Refer to "PARTS LIST."

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan
Phone : +81 (06) 6793 5302
Fax : +81 (06) 6793 0013
URL : <http://www.icom.co.jp/world/index.html>

Icom America Inc.

<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone : +1 (425) 454-8155 Fax : +1 (425) 454-1509
URL : <http://www.icomamerica.com>
E-mail : sales@icomamerica.com
<Customer Service>
Phone : +1 (425) 454-7619

Icom Canada

Glenwood Centre #150-6165
Highway 17 Delta, B.C., V4K 5B8, Canada
Phone : +1 (604) 952-4266 Fax : +1 (604) 952-0090
URL : <http://www.icomcanada.com>
E-mail : info@icomcanada.com

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road, Clayton VIC 3168 Australia
Phone : +61 (03) 9549-7500 Fax : +61 (03) 9549-7505
URL : <http://www.icom.net.au>
E-mail : sales@icom.net.au

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062 Fax : +64 (09) 274 4708
URL : <http://www.icom.co.nz>
E-mail : inquiries@icom.co.nz

Beijing Icom Ltd.

10C07, Long silver Mansion, No.88, Yong Ding
Road, Haidian District, Beijing, 100039, China
Phone : +86 (010) 5889 5391/5392/5393
Fax : +86 (010) 5889 5395
E-mail : bjicom@bjicom.com
URL : <http://www.bjicom.com>

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone : +49 (6196) 76685-0 Fax : +49 (6196) 76685-50
URL : <http://www.icomeurope.com>
E-mail : info@icomeurope.com

Icom Spain S.L

Ctra. Rubi, No. 88 Bajos A 08174, Sant Cugat del Valles, Barcelona, Spain
Phone : +34 (93) 590 26 70 Fax : +34 (93) 589 04 46
URL : <http://www.icomspain.com>
E-mail : icom@icomspain.com

Icom (UK) Ltd.

Blacksole House, The Boulevard, Altira Business Park, Herne Bay, CT6 6GZ, UK
Phone : +44 (01227) 741741 Fax : +44 (01227) 741742
URL : <http://www.icomuk.co.uk>
E-mail : info@icomuk.co.uk

Icom France s.a.s.

Zac de la Plaine
1 Rue Brindejone des Moulinais BP 5804
31505 Toulouse Cedex, France
Phone : +33 (5) 61 36 03 03 Fax : +33 (5) 61 36 03 00
URL : <http://www.icom-france.com>
E-mail : icom@icom-france.com

Asia Icom Inc.

6F No.68, Sec. 1 Cheng-Teh Road, Taipei, Taiwan, R.O.C.
Phone : +886 (02) 2559 1899 Fax : +886 (02) 2559 1874
URL : <http://www.asia-icom.com>
E-mail : sales@asia-icom.com

Icom Polska

81-850 Sopot, ul. 3 Maja 54, Poland
Phone : +48 (58) 550 7135 Fax : +48 (58) 551 0484
E-mail : icompolska@icompolska.com.pl

Count on us!

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan

S-14423XZ-C1
© 2008 Icom Inc.