ICOM

SERVICE MANUAL

HAND MICROPHONE

HM-218

S-16312XZ-C1
October 2026

Icom Inc.

INTRODUCTION

This service manual describes the latest service information for the HM-218 HAND MICROPHONE at the time of publication.

Model	Version No.	Version	Compatible with*
HM-218	[#01]	EXP-01	IC-F5400D/DS, IC-F6400D/DS, IC-F7510, IC-F7520, and IC-F7540
	[#11]	EXP-11	

*As of October 2026

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



SERVICE CAUTION

NEVER connect the microphone to an AC outlet or to a DC power supply that outputs more than the specified voltage. This will ruin the microphone.

ORDERING PARTS

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

1. 10-digit order numbers
2. Component part number and name
3. Equipment model name and unit name
4. Quantity required

<ORDER EXAMPLE>

8210032031	3775 REAR PANEL-1	HM-218	CHASSIS	1 pcs
8610015880	KNOB N-438	HM-218	CHASSIS	1 pcs

REPAIR NOTES

1. Make sure that the problem is internal before disassembling the microphone.
2. **DO NOT** open the microphone until the microphone is disconnected from the transceiver.
3. **DO NOT** short any circuits or electronic parts.
4. **DO NOT** keep power ON for a long time when the microphone is defective.

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SECTION 1 SPECIFICATIONS

■ GENERAL

• Power supply voltage (negative ground):	13.6 V DC nominal (supplied from the transceiver)
• Operating temperature range:	−30ºC~+60ºC, −22ºF~+140ºF
• Dimensions:	60 (W)×27 (D)×145 (H) mm (2.4 (W)×1.1 (D)×5.7 (H) inches)
• Curly cable length:	600 mm (2 feet)
• Weight:	260 g (9.2 oz)
• Speaker input power:	1.0 W (at 5% distortion, into the 12 Ω load)
• Microphone impedance:	2.2 kΩ

All stated specifications are subject to change without notice or obligation.

SECTION 2 PARTS LIST

[MAIN UNIT] (For only [#01])

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
IC1	1130019280	S.IC	IS42S16400J-7BLI	B	40.5/15.9
IC2	1130018270	S.IC	MX25L12835FM2I-10G	B	66.1/13.1
Eqv.	1130020560	S.IC	MX25L12833FM2I-10G		
IC3	1140017460	S.IC	GT24C512A-2CLI-TR	B	55.4/14.4
IC4	1140017700	S.IC	STM32F446ZCH6	B	58.4/22.4
IC5	1110008930	S.IC	NJU7704F3-03A-TE1	B	56.4/10.7
IC7	1180003460	S.REG	NJM2831F05-TE1	T	21.7/28.5
IC8	1180002020	S.REG	BA033FP-E2	B	29.9/38.6
IC10	1130004201	S.IC	TC4S66F(TE85R,F)	T	22.9/22.5
Eqv.	1130019770	S.IC	TC4S66F,RF		
Eqv.	1130021210	S.IC	TC4S66F,LF		
IC11	1110008720	S.IC	AD8694ARUZ-REEL	T	9.0/40.5
IC12	1110008920	S.IC	NJM2746RB1-TE1	T	15.3/20.9
IC13	1110007760	S.IC	AK2331P-L	T	15.6/29.1
IC15	6910025510	S.DC	TPS562209DDCR	B	18.7/38.2
IC16	1130018250	S.IC	TC35894XBG(EL)	T	25.9/38.4
IC18	1130018230	S.IC	TS2007EIJT	B	8.7/4.4
IC20	1110006490	S.IC	LMV321IDCKR	T	8.5/5.6
IC21	1110008930	S.IC	NJU7704F3-03A-TE1	T	15.6/36.3
Q1	1530003091	S.TRA	2SC4213-B(TE85R,F)	T	8.8/8.2
Q2	1590003500	S.TRA	DTC114YETL	B	37.4/27.0
Eqv.	1590004090	S.TRA	LDTC114YET1G		
Eqv.	1590005940	S.TRA	DTC114YE		
Q3	1510000771	S.TRA	2SA1586-GR(TE85L,F)	B	33.2/27.1
Eqv.	1510001350	S.TRA	2SA1586-GR,LF		
Q4	1590003500	S.TRA	DTC114YETL	T	25.6/23.7
Eqv.	1590004090	S.TRA	LDTC114YET1G		
Eqv.	1590005940	S.TRA	DTC114YE		
Q5	1560001360	S.FET	2SK3019TL	T	27.9/23.7
Q9	1590004500	S.TRA	DMC561040R	B	73.0/13.8
Q10	1590001050	S.TRA	DTC114TUAT106	B	74.0/17.3
Q11	1560001360	S.FET	2SK3019TL	B	15.1/8.8
Q14	1510000771	S.TRA	2SA1586-GR(TE85L,F)	B	35.1/23.9
Eqv.	1510001350	S.TRA	2SA1586-GR,LF		
Q15	1590003500	S.TRA	DTC114YETL	B	38.4/24.5
Eqv.	1590004090	S.TRA	LDTC114YET1G		
Eqv.	1590005940	S.TRA	DTC114YE		
D11	1750003230	S.ZEN	DZ2J200M0L	B	26.5/31.7
Eqv.	1750004620	S.ZEN	UDZVUTE-1720B		
D12	1790002170	S.VAR	LXES15AAA1-133	B	60.9/40.2
D14	1790002170	S.VAR	LXES15AAA1-133	T	23.1/41.8
D15	1790002170	S.VAR	LXES15AAA1-133	T	23.1/40.9
D16	1790002170	S.VAR	LXES15AAA1-133	T	30.7/34.7
D17	1790002170	S.VAR	LXES15AAA1-133	T	19.1/37.2
D18	1790002170	S.VAR	LXES15AAA1-133	T	20.9/36.2
D19	1790002170	S.VAR	LXES15AAA1-133	T	21.7/33.8
D20	1790002170	S.VAR	LXES15AAA1-133	T	22.6/33.4
D21	1790002170	S.VAR	LXES15AAA1-133	T	28.3/32.3
D22	1790002170	S.VAR	LXES15AAA1-133	T	30.1/33.5
D23	1790002170	S.VAR	LXES15AAA1-133	T	24.1/33.1
D24	1790002170	S.VAR	LXES15AAA1-133	T	24.7/31.9
D25	1790002170	S.VAR	LXES15AAA1-133	T	25.6/31.9
D26	1790002170	S.VAR	LXES15AAA1-133	T	26.5/31.9
D27	1790002170	S.VAR	LXES15AAA1-133	T	27.4/32.3
D28	1790002170	S.VAR	LXES15AAA1-133	T	27.0/41.5
D29	1790002170	S.VAR	LXES15AAA1-133	T	28.2/41.8
D30	1790002170	S.VAR	LXES15AAA1-133	T	29.9/41.5
D31	1730002990	S.ZEN	DZ2J039M0L	T	25.6/44.1
FI1	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/9.9
FI2	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/12.3
FI3	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/14.7
FI4	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/17.1
FI5	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/19.5
FI6	4580000250	S.FIL	CPFC6D36-100M06I	B	5.9/41.4
X1	6050013420	S.XTA	CR-936 (19.6608 MHz)	B	65.0/25.9
Eqv.	6050013790	S.XTA	CR-981 (19.6608 MHz)		
Eqv.	6050015410	S.XTA	CR-1126 (19.6608 MHz)		
L1	6200014170	S.COI	VLCF4028T-4R7N1R5-2	B	22.4/34.4
L2	6200003960	S.COI	MLF1608A 1R0K-T	B	18.5/32.5
L3	6200003960	S.COI	MLF1608A 1R0K-T	B	18.8/30.6
L4	6200003960	S.COI	MLF1608A 1R0K-T	B	19.7/28.5
L5	6200003960	S.COI	MLF1608A 1R0K-T	B	20.4/26.6
L8	6200003960	S.COI	MLF1608A 1R0K-T	B	18.8/20.5
L9	6200003960	S.COI	MLF1608A 1R0K-T	B	18.5/18.6
L10	6200003960	S.COI	MLF1608A 1R0K-T	B	19.5/13.2
L11	6200009940	S.COI	BLM21PG221SN1D	B	12.5/3.1
L12	6200013750	S.COI	MLK1005SR10JT	B	43.5/21.2
R21	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.8/11.9
R22	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.2/14.2
R23	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.2/13.1
R24	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/13.0
R25	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/13.9
R26	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/14.8
R27	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	45.9/12.1
R28	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/12.1
R29	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	45.9/13.0

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
R30	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	45.9/13.9
R31	7410001340	S.ARR	EXB28V473JX	B	61.7/10.1
R32	7410001340	S.ARR	EXB28V473JX	B	67.3/19.0
R38	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	44.4/21.2
R39	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	41.7/21.2
R40	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	40.8/21.2
R41	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.2/15.4
R42	7030020850	S.RES	MCR006YLPJ220 (22)	B	66.4/21.9
R43	7030020850	S.RES	MCR006YLPJ220 (22)	B	66.4/23.0
R85	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	60.2/13.6
R87	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	58.6/15.7
R88	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	58.6/16.6
R89	7030016560	S.RES	RMC1/16SJPTH (JPW)	B	52.5/13.0
R93	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	60.6/28.7
R97	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	54.6/10.8
R98	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	58.6/28.7
R99	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	59.7/28.7
R105	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	57.7/28.7
R110	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	54.6/18.0
R111	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	56.0/28.7
R112	7030015910	S.RES	RMC1/16S-101JTH (100)	B	63.1/23.0
R113	7030016060	S.RES	RMC1/16S-105JTH (1 M)	B	63.1/23.9
R114	7030016560	S.RES	RMC1/16SJPTH (JPW)	B	64.7/23.0
R115	7410001340	S.ARR	EXB28V473JX	B	41.3/10.1
R116	7030015900	S.RES	RMC1/16S-470JTH (47)	B	66.9/2.5
R117	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	50.3/10.3
R118	7030015900	S.RES	RMC1/16S-470JTH (47)	B	52.5/11.2
R119	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	50.3/9.4
R120	7410001170	S.ARR	EXB28V470JX	B	66.9/4.2
R121	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	51.8/21.7
R122	7410001170	S.ARR	EXB28V470JX	B	47.5/9.6
R123	7410001170	S.ARR	EXB28V470JX	B	43.7/10.1
R125	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	64.8/21.4
R126	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	52.7/21.7
R128	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	64.8/18.7
R129	7030016020	S.RES	RMC1/16S-104JTH (100 k)	T	26.8/22.2
R130	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	23.7/24.7
R131	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	26.8/26.0
R132	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	7.5/43.7
R133	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	14.3/41.6
R134	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	12.0/43.7
R135	7030016020	S.RES	RMC1/16S-104JTH (100 k)	T	18.6/30.3
R136	7030016020	S.RES	RMC1/16S-104JTH (100 k)	T	16.6/32.3
R137	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	51.5/18.8
R138	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	53.6/18.9
R139	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	13.4/41.6
R140	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	10.4/43.7
R141	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	4.5/38.9
R142	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	7.4/37.2
R144	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	7.4/35.4
R146	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	13.5/24.0
R147	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	15.1/24.0
R148	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	22.9/42.6
R149	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	23.8/41.0
R151	7030016080	S.RES	RMC1/16S-822JTH (8.2 k)	B	23.8/42.6
R152	7030016140	S.RES	RMC1/16S-124JTH (120 k)	T	11.4/20.9
R154	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	17.1/35.6
R155	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	61.3/17.5
R156	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	12.3/22.5
R157	7030016440	S.RES	RMC1/16S-272JTH (2.7 k)	T	12.6/31.2
R158	7030016410	S.RES	RMC1/16S-561JTH (560)	T	11.7/32.1
R159	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	4.5/41.3
R160	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	56.2/16.2
R161	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	56.2/17.1
R162	7030016560	S.RES	RMC1/16SJPTH (JPW)	T	21.7/20.0
R165	7540000460	S.ABS	EZAEG1N50AC	T	15.6/11.4
R166	7540000460	S.ABS	EZAEG1N50AC	T	10.3/11.7
R167	7540000460	S.ABS	EZAEG1N50AC	T	15.6/12.0
R168	7540000460	S.ABS	EZAEG1N50AC	T	10.3/12.3
R169	7540000460	S.ABS	EZAEG1N50AC	T	15.6/12.6
R170	7540000460	S.ABS	EZAEG1N50AC	T	15.6/13.2
R171	7540000460	S.ABS	EZAEG1N50AC	T	10.3/13.5
R172	7540000460	S.ABS	EZAEG1N50AC	T	15.6/13.8
R173	7540000460	S.ABS	EZAEG1N50AC	T	10.3/14.1
R174	7540000460	S.ABS	EZAEG1N50AC	T	15.6/14.4
R175	7540000460	S.ABS	EZAEG1N50AC	T	10.3/14.7
R176	7540000460	S.ABS	EZAEG1N50AC	T	15.6/15.0
R177	7540000460	S.ABS	EZAEG1N50AC	T	10.3/15.3
R178	7540000460	S.ABS	EZAEG1N50AC	T	15.6/15.6
R179	7540000460	S.ABS	EZAEG1N50AC	T	10.3/15.9
R180	7540000460	S.ABS	EZAEG1N50AC	T	15.6/16.2
R181	7540000460	S.ABS	EZAEG1N50AC	T	10.3/16.5
R182	7540000460	S.ABS	EZAEG1N50AC	T	15.6/16.8
R183	7540000460	S.ABS	EZAEG1N50AC	T	10.3/17.1
R184	7540000460	S.ABS	EZAEG1N50AC	T	15.6/17.4
R185	7540000460	S.ABS	EZAEG1N50AC	T	10.3/17.7
R190	7030016020	S.RES	RMC1/16S-104JTH (100 k)	B	9.1/2.0
R192	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	15.1/10.3
R200	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	29.9/39.7
R201	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	55.5/27.5
R202	7030015910	S.RES	RMC1/16S-101JTH (100)	T	28.2/42.7
R203	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	26.1/42.1
R204	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	30.4/36.2
R205	7030015910	S.RES	RMC1/16S-101JTH (100)	T	24.8/42.7
R206	7410001230	S.ARR	EXB28V101JX	T	21.5/39.2
R207	7410001230	S.ARR	EXB28V101JX	T	29.9/38.0
R208	7030015910	S.RES	RMC1/16S-101JTH (100)	T	28.9/34.2
R209	7030015910	S.RES	RMC1/16S-101JTH (100)	T	28.0/34.4

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

[MAIN UNIT] (For only [#01])

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
R210	7410001230	S.ARR EXB28V101JX	T	22.6/36.3
R211	7030015910	S.RES RMC1/16S-101JTH (100)	T	27.1/34.4
R212	7410001230	S.ARR EXB28V101JX	T	25.4/34.6
R213	7030016050	S.RES RMC1/16S-102JTH (1 k)	T	29.9/40.6
R214	7030016050	S.RES RMC1/16S-102JTH (1 k)	T	28.2/40.9
R216	7030016050	S.RES RMC1/16S-102JTH (1 k)	T	24.8/41.8
R220	7030016080	S.RES RMC1/16S-822JTH (8.2 k)	B	71.1/35.4
R221	7030015980	S.RES RMC1/16S-333JTH (33 k)	B	72.9/37.0
R222	7030016560	S.RES RMC1/16SJPTH (JPW)	B	69.9/37.4
R223	7030016430	S.RES RMC1/16S-392JTH (3.9 k)	B	69.9/38.3
R224	7030016560	S.RES RMC1/16SJPTH (JPW)	B	69.9/36.5
R228	7030016560	S.RES RMC1/16SJPTH (JPW)	B	69.3/35.3
R240	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	59.9/37.5
R241	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	35.1/26.7
R242	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	36.0/26.7
R243	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/35.0
R244	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/35.9
R245	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/36.8
R246	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/37.7
R247	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/38.6
R248	7410001340	S.ARR EXB28V473JX	T	19.1/35.4
R249	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	29.6/32.6
R250	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	29.8/34.7
R251	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	B	75.4/15.5
R252	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	75.4/13.7
R253	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	75.4/14.6
R254	7030015740	S.RES RMC1/10-101JTP (100)	T	13.7/6.1
R255	7030015740	S.RES RMC1/10-101JTP (100)	T	11.9/6.1
R256	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/3.9
R257	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	10.1/3.0
R258	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	10.1/2.1
R259	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/1.2
R260	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/3.0
R261	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/2.1
R262	7030016560	S.RES RMC1/16SJPTH (JPW)	T	10.6/8.0
R263	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	10.1/3.9
R264	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	10.5/5.3
R265	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	50.3/11.2
R266	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	61.1/13.6
R267	7030016050	S.RES RMC1/16S-102JTH (1 k)	T	21.7/30.7
R268	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/9.0
R269	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/9.6
R271	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/10.2
R272	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/10.8
R273	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/11.4
R274	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/12.0
R275	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/12.6
R276	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/13.2
R277	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/13.8
R278	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/14.4
R279	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/15.0
R280	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/15.6
R281	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/16.2
R282	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/16.8
R283	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/17.4
R284	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/18.0
R285	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/18.6
R286	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/19.2
R287	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/19.8
R288	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/20.4
R289	7030016280	S.RES RMC1/16S-331JTH (330)	B	23.9/31.3
R290	7030016280	S.RES RMC1/16S-331JTH (330)	B	22.7/30.9
R291	7540000460	S.ABS EZAEG1N50AC	B	24.4/20.5
R292	7540000460	S.ABS EZAEG1N50AC	B	24.7/27.7
R293	7540000460	S.ABS EZAEG1N50AC	B	25.0/20.5
R294	7540000460	S.ABS EZAEG1N50AC	B	25.3/27.7
R295	7540000460	S.ABS EZAEG1N50AC	B	25.6/20.5
R296	7540000460	S.ABS EZAEG1N50AC	B	25.9/27.7
R297	7540000460	S.ABS EZAEG1N50AC	B	26.2/20.5
R298	7540000460	S.ABS EZAEG1N50AC	B	26.5/27.7
R299	7540000460	S.ABS EZAEG1N50AC	B	26.8/20.5
R300	7540000460	S.ABS EZAEG1N50AC	B	27.1/27.7
R304	7030016500	S.RES RMC1/16S-562JTH (5.6 k)	B	17.4/13.2
R305	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	54.2/27.4
R306	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	53.3/27.4
R307	7030016490	S.RES RMC1/16S-391JTH (390)	B	18.0/28.3
R308	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	35.3/22.1
R309	7030015930	S.RES RMC1/16S-471JTH (470)	B	36.8/24.1
R311	7410001230	S.ARR EXB28V101JX	T	15.9/26.0
R315	7030016560	S.RES RMC1/16SJPTH (JPW)	B	18.1/16.0
R316	7030015930	S.RES RMC1/16S-471JTH (470)	T	19.1/29.1
R317	7030016560	S.RES RMC1/16SJPTH (JPW)	B	32.5/34.3
R320	7030016560	S.RES RMC1/16SJPTH (JPW)	B	7.9/13.0
R321	7030015910	S.RES RMC1/16S-101JTH (100)	B	18.3/26.6
R323	7030016420	S.RES RMC1/16S-182JTH (1.8 k)	B	70.6/34.1
R324	7030016230	S.RES RMC1/16S-394JTH (390 k)	T	15.4/38.1
R325	7030016040	S.RES RMC1/16S-224JTH (220 k)	T	13.8/38.1
R326	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	17.3/36.9
C1	4030023090	S.CER 0402B102K500CT	B	37.4/10.5
C2	4030023010	S.CER 0402B104K160CT	B	59.6/8.8
C3	4030023030	S.CER 0402B103K250CT	B	38.3/10.5
C5	4030023010	S.CER 0402B104K160CT	B	45.9/17.8
C6	4030023010	S.CER 0402B104K160CT	B	45.9/18.7
C8	4030023010	S.CER 0402B104K160CT	B	45.9/19.6
C9	4030023030	S.CER 0402B103K250CT	B	39.9/21.2
C10	4030023010	S.CER 0402B104K160CT	B	39.0/21.2
C11	4030023090	S.CER 0402B102K500CT	B	38.1/21.2
C18	4030023010	S.CER 0402B104K160CT	B	53.7/10.8
C19	4030023010	S.CER 0402B104K160CT	B	61.9/29.3
C20	4030023010	S.CER 0402B104K160CT	B	53.9/24.7
C22	4030020000	S.CER C1005 JB 1A 105K-T	B	61.9/28.4
C23	4030020000	S.CER C1005 JB 1A 105K-T	B	53.9/25.6
C25	4030023010	S.CER 0402B104K160CT	B	54.6/16.2
C26	4030020000	S.CER C1005 JB 1A 105K-T	B	53.3/29.0
C27	4030023010	S.CER 0402B104K160CT	B	54.2/29.0
C30	4030022640	S.CER 0402N101J500CT	B	56.7/8.8
C32	4030026580	S.CER RF15N150J500CT	B	62.7/25.9
C33	4030023010	S.CER 0402B104K160CT	B	63.2/19.6
C34	4030020000	S.CER C1005 JB 1A 105K-T	B	63.2/20.5
C36	4030026580	S.CER RF15N150J500CT	B	64.7/23.9
C37	4030023010	S.CER 0402B104K160CT	B	63.4/17.3
C38	4030020000	S.CER C1005 JB 1A 105K-T	B	62.5/17.3
C39	4030023010	S.CER 0402B104K160CT	B	64.8/19.6
C40	4030020000	S.CER C1005 JB 1A 105K-T	B	64.8/20.5
C41	4030023010	S.CER 0402B104K160CT	B	58.6/14.8
C42	4030023010	S.CER 0402B104K160CT	B	59.3/13.6
C43	4030020250	S.CER GRM21BB11A225KA01L	B	50.0/25.4
C44	4030020250	S.CER GRM21BB11A225KA01L	B	50.0/23.6
C45	4030020000	S.CER C1005 JB 1A 105K-T	B	50.9/20.0
C46	4030023010	S.CER 0402B104K160CT	B	51.8/20.0
C47	4030023010	S.CER 0402B104K160CT	B	52.5/9.4
C48	4030019320	S.CER C1608 X7R 1C 105K-T	T	21.6/26.1
C49	4030019490	S.CER C2012 JB 1A 106K-T	B	26.9/42.8
C54	4030023870	S.CER 0603B104K500CT	T	24.0/28.7
C55	4030019490	S.CER C2012 JB 1A 106K-T	B	26.9/34.5
C56	4030020000	S.CER C1005 JB 1A 105K-T	T	16.6/31.4
C57	4030023010	S.CER 0402B104K160CT	T	7.4/36.3
C58	4030023010	S.CER 0402B104K160CT	T	13.4/40.0
C59	4030023010	S.CER 0402B104K160CT	T	18.2/29.1
C60	4050000240	S.FEE NFM18PC104R1C3D	B	25.1/38.6
C61	4030020000	S.CER C1005 JB 1A 105K-T	T	22.8/20.0
C62	4030021480	S.CER C2012 JB 1E 226MT	B	22.5/37.6
C63	4030023010	S.CER 0402B104K160CT	T	18.2/27.5
C64	4030021480	S.CER C2012 JB 1E 226MT	B	22.5/39.3
C66	4030023010	S.CER 0402B104K160CT	T	13.5/23.1
C67	4030023010	S.CER 0402B104K160CT	T	15.1/23.1
C68	4030023030	S.CER 0402B103K250CT	T	16.6/33.2
C69	4030022780	S.CER 0402N271J500CT	B	22.9/41.0
C71	4030023030	S.CER 0402B103K250CT	T	15.1/31.9
C72	4030022860	S.CER 0402N470J500CT	B	19.5/32.0
C73	4030023870	S.CER 0603B104K500CT	B	18.5/35.1
C74	4030022860	S.CER 0402N470J500CT	B	20.5/30.1
C75	4030022860	S.CER 0402N470J500CT	B	21.4/28.3
C76	4030022710	S.CER 0402N181J500CT	T	12.3/20.9
C77	4030022860	S.CER 0402N470J500CT	B	22.1/26.1
C78	4030020000	S.CER C1005 JB 1A 105K-T	T	12.8/28.3
C83	4030022860	S.CER 0402N470J500CT	B	20.5/20.1
C84	4030020000	S.CER C1005 JB 1A 105K-T	T	12.3/24.1
C85	4030022860	S.CER 0402N470J500CT	B	19.0/17.5
C86	4030020000	S.CER C1005 JB 1A 105K-T	T	13.8/31.6
C87	4030023090	S.CER 0402B102K500CT	B	10.5/42.2
C88	4030024480	S.CER C3216 X5R 1E 476M-T	B	15.5/39.2
C89	4030022860	S.CER 0402N470J500CT	B	20.2/11.7
C90	4030024480	S.CER C3216 X5R 1E 476M-T	B	12.5/42.2
C101	4030022860	S.CER 0402N470J500CT	T	24.8/40.9
C102	4030022860	S.CER 0402N470J500CT	T	28.2/43.6
C103	4030022860	S.CER 0402N470J500CT	T	31.5/40.6
C104	4030023010	S.CER 0402B104K160CT	T	23.1/43.6
C110	4030023090	S.CER 0402B102K500CT	B	70.6/33.2
C111	4030023090	S.CER 0402B102K500CT	B	72.0/37.0
C112	4030023010	S.CER 0402B104K160CT	B	71.1/37.0
C113	4030020000	S.CER C1005 JB 1A 105K-T	B	69.9/39.2
C121	4030022860	S.CER 0402N470J500CT	B	5.7/6.8
C122	4030022860	S.CER 0402N470J500CT	B	5.7/2.0
C124	4030023090	S.CER 0402B102K500CT	B	6.6/3.6
C125	4030023090	S.CER 0402B102K500CT	B	6.6/5.2
C126	4030023010	S.CER 0402B104K160CT	B	10.0/2.0
C127	4030023010	S.CER 0402B104K160CT	B	13.3/4.5
C128	4550008220	S.TAN F931C106MAA	B	11.4/6.4
Eqv.	4550009180	S.TAN 267E1602106MR533		
C129	4030023090	S.CER 0402B102K500CT	B	13.3/5.4
C130	4030023010	S.CER 0402B104K160CT	B	13.3/6.3
C134	4030023010	S.CER 0402B104K160CT	B	9.8/6.8
C135	4030022860	S.CER 0402N470J500CT	B	59.9/38.4
C136	4030022860	S.CER 0402N470J500CT	B	72.4/25.7
C137	4030023090	S.CER 0402B102K500CT	B	72.4/19.3
C138	4030023090	S.CER 0402B102K500CT	B	74.0/19.3
C139	4030022860	S.CER 0402N470J500CT	B	37.3/28.6
C140	4030023030	S.CER 0402B103K250CT	B	35.5/27.9
C142	4030022860	S.CER 0402N470J500CT	B	57.4/35.0
C143	4030022860	S.CER 0402N470J500CT	B	57.4/35.9
C144	4030022860	S.CER 0402N470J500CT	B	57.4/36.8
C145	4030022860	S.CER 0402N470J500CT	B	57.4/37.7
C146	4030022860	S.CER 0402N470J500CT	B	57.4/38.6
C150	4030023090	S.CER 0402B102K500CT	B	72.0/17.1
C151	4030023090	S.CER 0402B102K500CT	T	80.3/13.7
C152	4030023090	S.CER 0402B102K500CT	B	72.4/12.0
C153	4030023090	S.CER 0402B102K500CT	B	72.4/15.5
C154	4030022860	S.CER 0402N470J500CT	T	6.9/3.9
C155	4030022860	S.CER 0402N470J500CT	T	6.9/3.0
C156	4030022860	S.CER 0402N470J500CT	T	6.9/2.1
C157	4030023010	S.CER 0402B104K160CT	T	10.0/10.7
C158	4030023010	S.CER 0402B104K160CT	T	26.8/25.1
C159	4030023010	S.CER 0402B104K160CT	B	18.4/7.6
C160	4030023870	S.CER 0603B104K500CT	T	21.6/24.9
C161	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/20.4
C162	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/19.8
C163	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/19.2
C164	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/18.6
C165	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/18.0
C166	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/17.4
C167	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/16.8
C168	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/16.2
C169	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/15.6
C170	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/15.0
C171	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/14.4
C172	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/13.8
C173	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/12.6

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

[MAIN UNIT] (For only [#01])

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
C174	4030022100	S.CER	GRM0332C1H100JA01D	B	32.3/13.2
C175	4030022100	S.CER	GRM0332C1H100JA01D	B	32.3/12.0
C176	4030022100	S.CER	GRM0332C1H100JA01D	B	32.3/11.4
C177	4030022120	S.CER	GRM0332C1H470JA01D	B	32.3/10.8
C178	4030022120	S.CER	GRM0332C1H470JA01D	B	32.3/10.2
C179	4030022120	S.CER	GRM0332C1H470JA01D	B	32.3/9.6
C180	4030022120	S.CER	GRM0332C1H470JA01D	B	32.3/9.0
C181	4030022120	S.CER	GRM0332C1H470JA01D	T	15.6/10.8
C182	4030022120	S.CER	GRM0332C1H470JA01D	B	24.4/21.7
C183	4030022120	S.CER	GRM0332C1H470JA01D	B	24.7/26.5
C184	4030022120	S.CER	GRM0332C1H470JA01D	B	25.0/21.7
C185	4030022120	S.CER	GRM0332C1H470JA01D	B	25.3/26.5
C186	4030022120	S.CER	GRM0332C1H470JA01D	B	25.6/21.7
C187	4030022120	S.CER	GRM0332C1H470JA01D	B	25.9/26.5
C188	4030022120	S.CER	GRM0332C1H470JA01D	B	26.2/21.7
C189	4030022120	S.CER	GRM0332C1H470JA01D	B	26.5/26.5
C190	4030022120	S.CER	GRM0332C1H470JA01D	B	26.8/21.7
C191	4030022120	S.CER	GRM0332C1H470JA01D	B	27.1/26.5
C192	4030023010	S.CER	0402B104K160CT	B	54.6/9.2
C193	4030023010	S.CER	0402B104K160CT	T	20.7/23.5
C194	4030022120	S.CER	GRM0332C1H470JA01D	B	62.8/13.1
C195	4030022120	S.CER	GRM0332C1H470JA01D	B	62.8/14.2
C196	4030022120	S.CER	GRM0332C1H470JA01D	B	62.2/11.9
C197	4030022120	S.CER	GRM0332C1H470JA01D	B	62.8/15.4
C198	4030022120	S.CER	GRM0332C1H470JA01D	B	67.7/21.9
C199	4030022120	S.CER	GRM0332C1H470JA01D	B	67.7/23.0
C201	4030023010	S.CER	0402B104K160CT	T	7.1/8.7
C202	4030023870	S.CER	0603B104K500CT	B	1.1/41.4
C203	4030023870	S.CER	0603B104K500CT	B	10.2/39.1
C204	4030021500	S.CER	C3216 JB 1E 475KT	B	25.7/29.7
C205	4030022840	S.CER	0402N390J500CT	B	42.6/21.2
C206	4030022640	S.CER	0402N101J500CT	B	17.1/32.1
C207	4030022640	S.CER	0402N101J500CT	B	17.1/30.1
C208	4030023130	S.CER	0402B222K500CT	B	17.1/28.1
C209	4030023130	S.CER	0402B222K500CT	B	17.1/26.1
C212	4030022640	S.CER	0402N101J500CT	B	17.1/20.1
C213	4030022640	S.CER	0402N101J500CT	B	16.8/18.1
C214	4030022640	S.CER	0402N101J500CT	B	18.6/14.3
C215	4030022640	S.CER	0402N101J500CT	B	17.1/34.0
C216	4030023010	S.CER	0402B104K160CT	T	5.6/5.3
C218	4030021240	S.CER	C1005 JB 1C 105K-T	T	13.5/24.9
C220	4030019490	S.CER	C2012 JB 1A 106K-T	T	18.2/32.3
C221	4030019490	S.CER	C2012 JB 1A 106K-T	T	20.0/32.3
C222	4030020120	S.CER	C1005 JB 0J 225M-T	B	20.2/18.1
C223	4030019490	S.CER	C2012 JB 1A 106K-T	B	72.5/34.6
C225	4030022340	S.CER	C1005 CH 1H 102J-T	B	49.6/22.2
C226	4030022340	S.CER	C1005 CH 1H 102J-T	B	53.0/17.1
C227	4030022640	S.CER	0402N101J500CT	B	33.8/25.3
C228	4030022640	S.CER	0402N101J500CT	B	31.8/25.8
C229	4030022640	S.CER	0402N101J500CT	B	45.9/20.5
C230	4030023030	S.CER	0402B103K250CT	T	15.3/34.4
J1	6510031380	S.CON	31FXVL-RSM1-GAN-TF-1(HF)	T	12.7/13.5
J5	6510027040	S.CON	B12B-PH-SM4-TB(LF)(SN)	B	11.2/23.6
J7	6510031400	S.CON	BM02B-ACHSS-GAN-ETF(LF)	B	2.7/4.4
J8	6510022692	S.CON	06FLT-SM2-TB(LF)(SN)(M)	B	73.6/22.5
J9	6510030490	S.CON	AYF530635	B	52.0/36.5
J10	6510031390	S.CON	15FXVL-RSM1-GAN-TF-1(HF)	B	25.9/24.1
DS1	5040003990	S.LED	CL-505S-X-SD-T	T	80.8/12.0
DS2	5030004131	LCD	S175TM02		
MC1	7700003060	MIC	F6027AP-SBC-462		
EP3	6910016330	S.BEA	MMZ1005S 601CT-S	B	59.6/9.7
EP4	6910019100	S.BEA	MPZ1608S101AT	B	46.3/22.4
EP5	6910016330	S.BEA	MMZ1005S 601CT-S	B	54.6/17.1
EP7	6910016330	S.BEA	MMZ1005S 601CT-S	B	63.2/18.7
EP9	6910016330	S.BEA	MMZ1005S 601CT-S	B	50.9/21.7
EP10	6910016330	S.BEA	MMZ1005S 601CT-S	B	52.5/10.3
EP12	6910023350	S.BEA	MMZ1005B601CT	T	13.5/25.8
EP13	6910023350	S.BEA	MMZ1005B601CT	T	14.3/40.0
EP14	6910023350	S.BEA	MMZ1005B601CT	T	19.1/27.5
EP16	6910016330	S.BEA	MMZ1005S 601CT-S	T	23.1/42.7
EP17	6910015970	S.BEA	MMZ1608B 301CT-AS	B	7.4/2.3
EP18	6910015970	S.BEA	MMZ1608B 301CT-AS	B	7.4/6.6
EP20	6910016330	S.BEA	MMZ1005S 601CT-S	T	6.5/5.3
EP21	6910016330	S.BEA	MMZ1005S 601CT-S	T	8.8/11.0

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

[VR UNIT]

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
D1	1730002990	S.ZEN DZ2J039M0L		B	24.2/6.8
Eqv.	1750004210	S.ZEN UDZVTE-173.9B	[#11]		
Eqv.	1750004770	S.ZEN UDZVUTE-173.9B	[#11]		
D2	1730002990	S.ZEN DZ2J039M0L		B	28.1/3.0
Eqv.	1750004210	S.ZEN UDZVTE-173.9B	[#11]		
Eqv.	1750004770	S.ZEN UDZVUTE-173.9B	[#11]		
D3	1730002990	S.ZEN DZ2J039M0L		B	28.1/9.4
Eqv.	1750004210	S.ZEN UDZVTE-173.9B	[#11]		
Eqv.	1750004770	S.ZEN UDZVUTE-173.9B	[#11]		
R1	7210003790	VAR TP76N937A-13F-10KB-3775			
R2	7030016020	S.RES RMC1/16S-104JTH (100 k)		T	13.9/5.0
R3	7030016290	S.RES RMC1/16S-222JTH (2.2 k)		T	21.9/5.0
R4	7030016560	S.RES RMC1/16SJPTH (JPW)		T	19.4/5.4
C1	4030022860	S.CER 0402N470J500CT		T	14.8/5.0
C2	4030023090	S.CER 0402B102K500CT		T	21.0/5.0
C3	4030023090	S.CER 0402B102K500CT		T	18.5/5.4
C4	4030023090	S.CER 0402B102K500CT		T	17.4/5.4
J1	6510029480	S.CON 06FH-SM1-TB(LF)(SN)		T	17.9/1.2
S1	2260002590	SWI SKHHLU			

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

[MAIN-A UNIT] (For only [#11])

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
IC1	1130021510	S.IC	IS42S16400N-7BLI	B	40.5/15.9
IC2	1130018270	S.IC	MX25L12835FM2I-10G	B	66.1/13.1
Eqv.	1130020560	S.IC	MX25L12833FM2I-10G		
IC4	1140017700	S.IC	STM32F446ZCH6	B	58.4/22.4
IC5	1110008930	S.IC	NJU7704F3-03A-TE1	B	56.4/10.7
IC7	1180003460	S.REG	NJM2831F05-TE1	T	21.7/28.5
IC8	1180004770	S.REG	NJM2855DL1-33-TE1	B	29.9/38.6
IC10	1130004201	S.IC	TC4S66F(TE85R,F)	T	22.9/22.5
Eqv.	1130019770	S.IC	TC4S66F,RF		
Eqv.	1130021210	S.IC	TC4S66F,LF		
IC11	1110008720	S.IC	AD8694ARUZ-REEL	T	9.0/40.5
IC12	1110008920	S.IC	NJM2746RB1-TE1	T	15.3/20.9
IC13	1110007550	S.IC	R2A20178NP	T	14.8/29.8
IC15	6910025510	S.DC	TPS562209DDCR	B	18.7/38.2
IC16	1130018250	S.IC	TC35894XBG(EL)	T	25.9/38.4
IC18	1130018230	S.IC	TS2007EIJT	B	8.7/4.4
IC20	1110006490	S.IC	LMV321IDCKR	T	8.5/5.6
IC21	1110008930	S.IC	NJU7704F3-03A-TE1	T	15.6/36.3
Q1	1530003091	S.TRA	2SC4213-B(TE85R,F)	T	8.8/8.2
Q2	1590003500	S.TRA	DTC114YETL	B	37.4/27.0
Eqv.	1590004090	S.TRA	LDTC114YET1G		
Eqv.	1590005940	S.TRA	DTC114YE		
Q3	1510000771	S.TRA	2SA1586-GR(TE85L,F)	B	33.2/27.1
Eqv.	1510001350	S.TRA	2SA1586-GR,LF		
Q4	1590003500	S.TRA	DTC114YETL	T	25.6/23.7
Eqv.	1590004090	S.TRA	LDTC114YET1G		
Eqv.	1590005940	S.TRA	DTC114YE		
Q5	1560002190	S.FET	RUM002N02T2L	T	27.9/23.7
Q9	1590004500	S.TRA	DMC561040R	B	73.0/13.8
Eqv.	1590005740	S.TRA	UMG5NTR		
Q10	1590004210	S.TRA	DRC9114Y0L	B	74.1/17.3
Eqv.	1590005410	S.TRA	DTC014YEBTL		
Q11	1560002190	S.FET	RUM002N02T2L	B	15.1/8.8
Q14	1510000771	S.TRA	2SA1586-GR(TE85L,F)	B	35.1/23.9
Eqv.	1510001350	S.TRA	2SA1586-GR,LF		
Q15	1590003500	S.TRA	DTC114YETL	B	38.4/24.5
Eqv.	1590004090	S.TRA	LDTC114YET1G		
Eqv.	1590005940	S.TRA	DTC114YE		
D11	1750003230	S.ZEN	DZ2J200M0L	B	26.5/31.7
Eqv.	1750004620	S.ZEN	UDZVUTE-1720B		
D12	1790002240	S.VAR	EZAEG2N50AX	B	60.9/40.2
D14	1790002240	S.VAR	EZAEG2N50AX	T	23.1/41.8
D15	1790002240	S.VAR	EZAEG2N50AX	T	23.1/40.9
D16	1790002240	S.VAR	EZAEG2N50AX	T	30.7/34.7
D17	1790002240	S.VAR	EZAEG2N50AX	T	19.1/37.2
D18	1790002240	S.VAR	EZAEG2N50AX	T	20.9/36.2
D19	1790002240	S.VAR	EZAEG2N50AX	T	21.7/33.8
D20	1790002240	S.VAR	EZAEG2N50AX	T	22.6/33.4
D21	1790002240	S.VAR	EZAEG2N50AX	T	28.3/32.3
D22	1790002240	S.VAR	EZAEG2N50AX	T	30.1/33.5
D23	1790002240	S.VAR	EZAEG2N50AX	T	24.1/33.1
D24	1790002240	S.VAR	EZAEG2N50AX	T	24.7/31.9
D25	1790002240	S.VAR	EZAEG2N50AX	T	25.6/31.9
D26	1790002240	S.VAR	EZAEG2N50AX	T	26.5/31.9
D27	1790002240	S.VAR	EZAEG2N50AX	T	27.4/32.3
D28	1790002240	S.VAR	EZAEG2N50AX	T	27.0/41.5
D29	1790002240	S.VAR	EZAEG2N50AX	T	28.2/41.8
D30	1790002240	S.VAR	EZAEG2N50AX	T	29.9/41.5
D31	1730002990	S.ZEN	DZ2J039M0L	T	25.6/44.1
Eqv.	1750004210	S.ZEN	UDZVTE-173.9B		
Eqv.	1750004770	S.ZEN	UDZVUTE-173.9B		
D32	1730002990	S.ZEN	DZ2J039M0L	B	73.5/30.8
Eqv.	1750004210	S.ZEN	UDZVTE-173.9B		
Eqv.	1750004770	S.ZEN	UDZVUTE-173.9B		
FI1	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/9.9
FI2	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/12.3
FI3	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/14.7
FI4	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/17.1
FI5	2040002280	S.LC	MEA1608L50R0TA0G	B	34.8/19.5
FI6	4580000250	S.FIL	CPFC6D36-100M06I	B	5.9/41.4
X1	6050013420	S.XTA	CR-936 (19.6608 MHz)	B	65.0/25.9
Eqv.	6050013790	S.XTA	CR-981 (19.6608 MHz)		
Eqv.	6050015410	S.XTA	CR-1126 (19.6608 MHz)		
L1	6200014170	S.COI	VLCF4028T-4R7N1R5-2	B	22.4/34.4
L2	6200003960	S.COI	MLF1608A 1R0K-T	B	18.5/32.5
L3	6200003960	S.COI	MLF1608A 1R0K-T	B	18.8/30.6
L4	6200003960	S.COI	MLF1608A 1R0K-T	B	19.7/28.5
L5	6200003960	S.COI	MLF1608A 1R0K-T	B	20.4/26.6
L8	6200003960	S.COI	MLF1608A 1R0K-T	B	18.8/20.5
L9	6200003960	S.COI	MLF1608A 1R0K-T	B	18.5/18.6
L10	6200003960	S.COI	MLF1608A 1R0K-T	B	19.5/13.2
L11	6200009940	S.COI	BLM21PG221SN1D	B	12.5/3.1
L12	6200013750	S.COI	MLK1005SR10JT	B	43.5/21.2
R21	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.8/11.9
R22	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.2/14.2
R23	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.2/13.1
R24	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/13.0
R25	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/13.9
R26	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/14.8
R27	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	45.9/12.1
R28	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	48.0/12.1
R29	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	45.9/13.0
R30	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	45.9/13.9

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
R31	7410001340	S.ARR	EXB28V473JX	B	61.7/10.1
R32	7410001340	S.ARR	EXB28V473JX	B	67.3/19.0
R38	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	44.4/21.2
R39	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	41.7/21.2
R40	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	40.8/21.2
R41	7030020850	S.RES	MCR006YLPJ220 (22)	B	62.2/15.4
R42	7030020850	S.RES	MCR006YLPJ220 (22)	B	66.4/21.9
R43	7030020850	S.RES	MCR006YLPJ220 (22)	B	66.4/23.0
R85	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	60.2/13.6
R87	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	58.6/15.7
R88	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	58.6/16.6
R89	7030016560	S.RES	RMC1/16SJPTH (JPW)	B	52.5/13.0
R93	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	60.6/28.7
R97	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	54.6/10.8
R98	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	58.6/28.7
R99	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	59.7/28.7
R105	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	57.7/28.7
R110	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	54.6/18.0
R111	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	56.0/28.7
R112	7030015910	S.RES	RMC1/16S-101JTH (100)	B	63.1/23.0
R113	7030016060	S.RES	RMC1/16S-105JTH (1 M)	B	63.1/23.9
R114	7030016560	S.RES	RMC1/16SJPTH (JPW)	B	64.7/23.0
R115	7410001340	S.ARR	EXB28V473JX	B	41.3/10.1
R116	7030015900	S.RES	RMC1/16S-470JTH (47)	B	66.9/2.5
R117	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	50.3/10.3
R118	7030015900	S.RES	RMC1/16S-470JTH (47)	B	52.5/11.2
R119	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	50.3/9.4
R120	7410001170	S.ARR	EXB28V470JX	B	66.9/4.2
R121	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	51.8/21.7
R122	7410001170	S.ARR	EXB28V470JX	B	47.5/9.6
R123	7410001170	S.ARR	EXB28V470JX	B	43.7/10.1
R125	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	64.8/21.4
R126	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	52.7/21.7
R128	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	64.8/18.7
R129	7030016020	S.RES	RMC1/16S-104JTH (100 k)	T	26.8/22.2
R130	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	23.7/24.7
R131	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	26.8/26.0
R132	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	7.5/43.7
R133	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	14.3/41.6
R134	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	12.0/43.7
R135	7030016020	S.RES	RMC1/16S-104JTH (100 k)	T	16.8/32.9
R136	7030016020	S.RES	RMC1/16S-104JTH (100 k)	T	15.6/33.8
R137	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	51.5/18.8
R138	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	53.6/18.9
R139	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	13.4/41.6
R140	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	10.4/43.7
R141	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	4.5/38.9
R142	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	7.4/37.2
R144	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	7.4/35.4
R146	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	13.5/24.0
R147	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	15.1/24.0
R148	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	22.9/42.6
R149	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	23.8/41.0
R151	7030016080	S.RES	RMC1/16S-822JTH (8.2 k)	B	23.8/42.6
R152	7030016140	S.RES	RMC1/16S-124JTH (120 k)	T	11.4/20.9
R154	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	17.1/35.6
R155	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	61.3/17.5
R156	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	12.3/22.5
R157	7030016440	S.RES	RMC1/16S-272JTH (2.7 k)	T	11.4/32.7
R158	7030016410	S.RES	RMC1/16S-561JTH (560)	T	11.4/33.6
R159	7030016110	S.RES	RMC1/16S-473JTH (47 k)	T	4.5/41.3
R160	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	56.2/16.2
R161	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	56.2/17.1
R162	7030016560	S.RES	RMC1/16SJPTH (JPW)	T	21.7/20.0
R165	7540000460	S.ABS	EZAEG1N50AC	T	15.6/11.4
R166	7540000460	S.ABS	EZAEG1N50AC	T	10.3/11.7
R167	7540000460	S.ABS	EZAEG1N50AC	T	15.6/12.0
R168	7540000460	S.ABS	EZAEG1N50AC	T	10.3/12.3
R169	7540000460	S.ABS	EZAEG1N50AC	T	15.6/12.6
R170	7540000460	S.ABS	EZAEG1N50AC	T	15.6/13.2
R171	7540000460	S.ABS	EZAEG1N50AC	T	10.3/13.5
R172	7540000460	S.ABS	EZAEG1N50AC	T	15.6/13.8
R173	7540000460	S.ABS	EZAEG1N50AC	T	10.3/14.1
R174	7540000460	S.ABS	EZAEG1N50AC	T	15.6/14.4
R175	7540000460	S.ABS	EZAEG1N50AC	T	10.3/14.7
R176	7540000460	S.ABS	EZAEG1N50AC	T	15.6/15.0
R177	7540000460	S.ABS	EZAEG1N50AC	T	10.3/15.3
R178	7540000460	S.ABS	EZAEG1N50AC	T	15.6/15.6
R179	7540000460	S.ABS	EZAEG1N50AC	T	10.3/15.9
R180	7540000460	S.ABS	EZAEG1N50AC	T	15.6/16.2
R181	7540000460	S.ABS	EZAEG1N50AC	T	10.3/16.5
R182	7540000460	S.ABS	EZAEG1N50AC	T	15.6/16.8
R183	7540000460	S.ABS	EZAEG1N50AC	T	10.3/17.1
R184	7540000460	S.ABS	EZAEG1N50AC	T	15.6/17.4
R185	7540000460	S.ABS	EZAEG1N50AC	T	10.3/17.7
R190	7030016020	S.RES	RMC1/16S-104JTH (100 k)	B	9.1/2.0
R192	7030015970	S.RES	RMC1/16S-103JTH (10 k)	B	15.1/10.1
R200	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	29.9/39.7
R201	7030016110	S.RES	RMC1/16S-473JTH (47 k)	B	55.5/27.5
R202	7030015910	S.RES	RMC1/16S-101JTH (100)	T	28.2/42.7
R203	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	26.1/42.1
R204	7030015970	S.RES	RMC1/16S-103JTH (10 k)	T	30.4/36.2
R205	7030015910	S.RES	RMC1/16S-101JTH (100)	T	24.8/42.7
R206	7410001230	S.ARR	EXB28V101JX	T	21.5/39.2
R207	7410001230	S.ARR	EXB28V101JX	T	29.9/38.0
R208	7030015910	S.RES	RMC1/16S-101JTH (100)	T	28.9/34.2
R209	7030015910	S.RES	RMC1/16S-101JTH (100)	T	28.0/34.4
R210	7410001230	S.ARR	EXB28V101JX	T	22.6/36.3
R211	7030015910	S.RES	RMC1/16S-101JTH (100)	T	27.1/34.4
R212	7410001230	S.ARR	EXB28V101JX	T	25.4/34.6
R213	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	29.9/40.6
R214	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	28.2/40.9
R216	7030016050	S.RES	RMC1/16S-102JTH (1 k)	T	24.8/41.8
R220	7030016080	S.RES	RMC1/16S-822JTH (8.2 k)	B	70.9/37.0
R221	7030015980	S.RES	RMC1/16S-333JTH (33 k)	B	72.7/37.0

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

[MAIN-A UNIT] (For only [#11])

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
R222	7030016560	S.RES RMC1/16SJPTH (JPW)	B	69.9/38.2
R223	7030016430	S.RES RMC1/16S-392JTH (3.9 k)	B	69.9/39.1
R224	7030016560	S.RES RMC1/16SJPTH (JPW)	B	69.1/37.0
R228	7030016560	S.RES RMC1/16SJPTH (JPW)	B	69.3/35.3
R240	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	59.9/37.5
R241	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	35.1/26.7
R242	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	36.0/26.7
R243	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/35.0
R244	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/35.9
R245	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/36.8
R246	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/37.7
R247	7030016560	S.RES RMC1/16SJPTH (JPW)	B	55.7/38.6
R248	7410001340	S.ARR EXB28V473JX	T	19.1/35.4
R249	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	29.6/32.6
R250	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	29.8/34.7
R251	7030016290	S.RES RMC1/16S-222JTH (2.2 k)	B	75.4/15.5
R252	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	75.4/13.7
R253	7030016350	S.RES RMC1/16S-122JTH (1.2 k)	B	75.4/14.6
R254	7030015740	S.RES RMC1/10-101JTP (100)	T	13.7/6.1
R255	7030015740	S.RES RMC1/10-101JTP (100)	T	11.9/6.1
R256	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/3.9
R257	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	10.1/3.0
R258	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	10.1/2.1
R259	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/1.2
R260	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/3.0
R261	7030016530	S.RES RMC1/16S-203JTH (20 k)	T	8.5/2.1
R262	7030016560	S.RES RMC1/16SJPTH (JPW)	T	10.6/8.0
R263	7030016110	S.RES RMC1/16S-473JTH (47 k)	T	10.1/3.9
R264	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	10.5/5.3
R265	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	50.3/11.2
R266	7030016050	S.RES RMC1/16S-102JTH (1 k)	B	61.1/13.6
R267	7030016050	S.RES RMC1/16S-102JTH (1 k)	T	21.7/30.7
R268	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/9.0
R269	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/9.6
R271	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/10.2
R272	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/10.8
R273	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/11.4
R274	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/12.0
R275	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/12.6
R276	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/13.2
R277	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/13.8
R278	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/14.4
R279	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/15.0
R280	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/15.6
R281	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/16.2
R282	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/16.8
R283	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/17.4
R284	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/18.0
R285	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/18.6
R286	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/19.2
R287	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/19.8
R288	7030020810	S.RES MCR006YLPJ101 (100)	B	33.5/20.4
R289	7030016280	S.RES RMC1/16S-331JTH (330)	B	23.9/31.3
R290	7030016280	S.RES RMC1/16S-331JTH (330)	B	22.7/30.9
R291	7540000460	S.ABS EZAEG1N50AC	B	24.4/20.5
R292	7540000460	S.ABS EZAEG1N50AC	B	24.7/27.7
R293	7540000460	S.ABS EZAEG1N50AC	B	25.0/20.5
R294	7540000460	S.ABS EZAEG1N50AC	B	25.3/27.7
R295	7540000460	S.ABS EZAEG1N50AC	B	25.6/20.5
R296	7540000460	S.ABS EZAEG1N50AC	B	25.9/27.7
R297	7540000460	S.ABS EZAEG1N50AC	B	26.2/20.5
R298	7540000460	S.ABS EZAEG1N50AC	B	26.5/27.7
R299	7540000460	S.ABS EZAEG1N50AC	B	26.8/20.5
R300	7540000460	S.ABS EZAEG1N50AC	B	27.1/27.7
R304	7030016500	S.RES RMC1/16S-562JTH (5.6 k)	B	17.4/13.2
R305	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	54.2/27.4
R306	7030016020	S.RES RMC1/16S-104JTH (100 k)	B	53.3/27.4
R307	7030016490	S.RES RMC1/16S-391JTH (390)	B	18.0/28.3
R308	7030015970	S.RES RMC1/16S-103JTH (10 k)	B	35.3/22.1
R309	7030015930	S.RES RMC1/16S-471JTH (470)	B	36.8/24.1
R310	7030015910	S.RES RMC1/16S-101JTH (100)	T	14.4/33.3
R311	7030015910	S.RES RMC1/16S-101JTH (100)	T	16.7/26.1
R312	7030015910	S.RES RMC1/16S-101JTH (100)	T	15.8/26.1
R313	7030015910	S.RES RMC1/16S-101JTH (100)	T	14.9/26.1
R315	7030016560	S.RES RMC1/16SJPTH (JPW)	B	18.1/16.0
R316	7030015930	S.RES RMC1/16S-471JTH (470)	T	18.8/29.9
R317	7030016560	S.RES RMC1/16SJPTH (JPW)	B	32.5/34.3
R320	7030016560	S.RES RMC1/16SJPTH (JPW)	B	7.9/13.0
R321	7030015910	S.RES RMC1/16S-101JTH (100)	B	18.3/26.6
R323	7030016420	S.RES RMC1/16S-182JTH (1.8 k)	B	70.6/34.1
R324	7030016230	S.RES RMC1/16S-394JTH (390 k)	T	15.4/38.1
R325	7030016040	S.RES RMC1/16S-224JTH (220 k)	T	13.8/38.1
R326	7030015970	S.RES RMC1/16S-103JTH (10 k)	T	17.3/36.9
R327	7030016560	S.RES RMC1/16SJPTH (JPW)	B	52.0/23.4
R328	7030016020	S.RES RMC1/16S-104JTH (100 k)	T	11.4/30.9
C1	4030023090	S.CER 0402B102K500CT	B	37.4/10.5
C2	4030023010	S.CER 0402B104K160CT	B	59.6/8.8
C3	4030023030	S.CER 0402B103K250CT	B	38.3/10.5
C5	4030023010	S.CER 0402B104K160CT	B	45.9/17.8
C6	4030023010	S.CER 0402B104K160CT	B	45.9/18.7
C8	4030023010	S.CER 0402B104K160CT	B	45.9/19.6
C9	4030023030	S.CER 0402B103K250CT	B	39.9/21.2
C10	4030023010	S.CER 0402B104K160CT	B	39.0/21.2
C11	4030023090	S.CER 0402B102K500CT	B	38.1/21.2
C18	4030023010	S.CER 0402B104K160CT	B	53.7/10.8
C19	4030023010	S.CER 0402B104K160CT	B	61.9/29.3
C20	4030023010	S.CER 0402B104K160CT	B	53.9/24.7
C22	4030026240	S.CER CL05A105KO5NNPC	B	61.9/28.4
C23	4030026240	S.CER CL05A105KO5NNPC	B	53.9/25.6
C25	4030023010	S.CER 0402B104K160CT	B	54.6/16.2
C26	4030026240	S.CER CL05A105KO5NNPC	B	53.3/29.0
C27	4030023010	S.CER 0402B104K160CT	B	54.2/29.0
C30	4030022640	S.CER 0402N101J500CT	B	56.7/8.8

REF NO.	PART NO.	DESCRIPTION	M.	H/V LOCATION
C32	4030026580	S.CER RF15N150J500CT	B	62.7/25.9
C33	4030023010	S.CER 0402B104K160CT	B	63.2/19.6
C34	4030026240	S.CER CL05A105KO5NNPC	B	63.2/20.5
C36	4030026580	S.CER RF15N150J500CT	B	64.7/23.9
C37	4030023010	S.CER 0402B104K160CT	B	63.4/17.3
C38	4030026240	S.CER CL05A105KO5NNPC	B	62.5/17.3
C39	4030023010	S.CER 0402B104K160CT	B	64.8/19.6
C40	4030026240	S.CER CL05A105KO5NNPC	B	64.8/20.5
C41	4030023010	S.CER 0402B104K160CT	B	58.6/14.8
C42	4030023010	S.CER 0402B104K160CT	B	59.3/13.6
C43	4030022510	S.CER GRM155B31A225KE95D	B	50.9/24.9
C44	4030022510	S.CER GRM155B31A225KE95D	B	50.5/24.0
C45	4030026240	S.CER CL05A105KO5NNPC	B	50.9/20.0
C46	4030023010	S.CER 0402B104K160CT	B	51.8/20.0
C47	4030023010	S.CER 0402B104K160CT	B	52.5/9.4
C48	4030026240	S.CER CL05A105KO5NNPC	T	21.9/26.1
C49	4030026330	S.CER CL21A106KAYNNPE	B	26.9/42.8
C54	4030023870	S.CER 0603B104K500CT	T	24.0/28.7
C55	4030026330	S.CER CL21A106KAYNNPE	B	26.9/34.5
C56	4030026240	S.CER CL05A105KO5NNPC	T	15.6/32.9
C57	4030023010	S.CER 0402B104K160CT	T	7.4/36.3
C58	4030023010	S.CER 0402B104K160CT	T	13.4/40.0
C59	4030023010	S.CER 0402B104K160CT	T	17.9/29.9
C60	4050000240	S.FEE NFM18PC104R1C3D	B	25.1/38.6
C61	4030026240	S.CER CL05A105KO5NNPC	T	22.8/20.0
C62	4030026860	S.CER CL21A226MAYNNPE	B	22.5/37.6
C63	4030023010	S.CER 0402B104K160CT	T	17.9/27.5
C64	4030026860	S.CER CL21A226MAYNNPE	B	22.5/39.3
C66	4030023010	S.CER 0402B104K160CT	T	13.5/23.1
C67	4030023010	S.CER 0402B104K160CT	T	15.1/23.1
C69	4030022780	S.CER 0402N271J500CT	B	22.9/41.0
C72	4030022860	S.CER 0402N470J500CT	B	19.5/32.0
C73	4030023870	S.CER 0603B104K500CT	B	18.5/35.1
C74	4030022860	S.CER 0402N470J500CT	B	20.5/30.1
C75	4030022860	S.CER 0402N470J500CT	B	21.4/28.3
C76	4030022710	S.CER 0402N181J500CT	T	12.3/20.9
C77	4030022860	S.CER 0402N470J500CT	B	22.1/26.1
C78	4030026240	S.CER CL05A105KO5NNPC	T	19.2/28.7
C83	4030022860	S.CER 0402N470J500CT	B	20.5/20.1
C84	4030026240	S.CER CL05A105KO5NNPC	T	12.3/24.1
C85	4030022860	S.CER 0402N470J500CT	B	19.0/17.5
C86	4030026240	S.CER CL05A105KO5NNPC	T	11.4/31.8
C87	4030023090	S.CER 0402B102K500CT	B	10.5/42.2
C88	4030026860	S.CER CL21A226MAYNNPE	B	15.5/39.2
C89	4030022860	S.CER 0402N470J500CT	B	20.2/11.7
C90	4030026860	S.CER CL21A226MAYNNPE	B	12.5/42.2
C101	4030022860	S.CER 0402N470J500CT	T	24.8/40.9
C102	4030022860	S.CER 0402N470J500CT	T	28.2/43.6
C103	4030022860	S.CER 0402N470J500CT	T	31.5/40.6
C104	4030023010	S.CER 0402B104K160CT	T	23.1/43.6
C110	4030023090	S.CER 0402B102K500CT	B	70.6/33.2
C111	4030023090	S.CER 0402B102K500CT	B	71.8/37.0
C112	4030023010	S.CER 0402B104K160CT	B	70.0/37.0
C113	4030026240	S.CER CL05A105KO5NNPC	B	69.9/40.0
C121	4030022860	S.CER 0402N470J500CT	B	5.7/6.8
C122	4030022860	S.CER 0402N470J500CT	B	5.7/2.0
C124	4030023090	S.CER 0402B102K500CT	B	6.6/3.6
C125	4030023090	S.CER 0402B102K500CT	B	6.6/5.2
C126	4030023010	S.CER 0402B104K160CT	B	10.0/2.0
C127	4030023010	S.CER 0402B104K160CT	B	13.3/4.5
C128	4030026330	S.CER CL21A106KAYNNPE	B	11.5/5.6
C129	4030023090	S.CER 0402B102K500CT	B	13.3/5.4
C130	4030023010	S.CER 0402B104K160CT	B	13.3/6.3
C134	4030023010	S.CER 0402B104K160CT	B	9.8/6.8
C135	4030022860	S.CER 0402N470J500CT	B	59.9/38.4
C136	4030022860	S.CER 0402N470J500CT	B	72.4/25.7
C137	4030023090	S.CER 0402B102K500CT	B	72.4/19.3
C138	4030023090	S.CER 0402B102K500CT	B	74.0/19.3
C139	4030022860	S.CER 0402N470J500CT	B	37.3/28.6
C140	4030023030	S.CER 0402B103K250CT	B	35.5/27.9
C142	4030022860	S.CER 0402N470J500CT	B	57.4/35.0
C143	4030022860	S.CER 0402N470J500CT	B	57.4/35.9
C144	4030022860	S.CER 0402N470J500CT	B	57.4/36.8
C145	4030022860	S.CER 0402N470J500CT	B	57.4/37.7
C146	4030022860	S.CER 0402N470J500CT	B	57.4/38.6
C150	4030023090	S.CER 0402B102K500CT	B	72.0/17.1
C151	4030023090	S.CER 0402B102K500CT	T	80.3/13.7
C152	4030023090	S.CER 0402B102K500CT	B	72.4/12.0
C153	4030023090	S.CER 0402B102K500CT	B	72.4/15.5
C154	4030022860	S.CER 0402N470J500CT	T	6.9/3.9
C155	4030022860	S.CER 0402N470J500CT	T	6.9/3.0
C156	4030022860	S.CER 0402N470J500CT	T	6.9/2.1
C157	4030023010	S.CER 0402B104K160CT	T	10.0/10.7
C158	4030023010	S.CER 0402B104K160CT	T	26.8/25.1
C159	4030023010	S.CER 0402B104K160CT	B	18.4/7.6
C160	4030023870	S.CER 0603B104K500CT	T	21.6/24.9
C161	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/20.4
C162	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/19.8
C163	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/19.2
C164	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/18.6
C165	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/18.0
C166	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/17.4
C167	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/16.8
C168	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/16.2
C169	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/15.6
C170	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/15.0
C171	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/14.4
C172	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/13.8
C173	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/12.6
C174	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/13.2
C175	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/12.0
C176	4030022100	S.CER GRM0332C1H100JA01D	B	32.3/11.4
C177	4030022120	S.CER GRM0332C1H470JA01D	B	32.3/10.8
C178	4030022120	S.CER GRM0332C1H470JA01D	B	32.3/10.2
C179	4030022120	S.CER GRM0332C1H470JA01D	B	32.3/9.6

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

[MAIN-A UNIT] (For only [#11])

REF NO.	PART NO.	DESCRIPTION		M.	H/V LOCATION
C180	4030022120	S.CER	GRM0332C1H470JA01D	B	32.3/9.0
C181	4030022120	S.CER	GRM0332C1H470JA01D	T	15.6/10.8
C182	4030022120	S.CER	GRM0332C1H470JA01D	B	24.4/21.7
C183	4030022120	S.CER	GRM0332C1H470JA01D	B	24.7/26.5
C184	4030022120	S.CER	GRM0332C1H470JA01D	B	25.0/21.7
C185	4030022120	S.CER	GRM0332C1H470JA01D	B	25.3/26.5
C186	4030022120	S.CER	GRM0332C1H470JA01D	B	25.6/21.7
C187	4030022120	S.CER	GRM0332C1H470JA01D	B	25.9/26.5
C188	4030022120	S.CER	GRM0332C1H470JA01D	B	26.2/21.7
C189	4030022120	S.CER	GRM0332C1H470JA01D	B	26.5/26.5
C190	4030022120	S.CER	GRM0332C1H470JA01D	B	26.8/21.7
C191	4030022120	S.CER	GRM0332C1H470JA01D	B	27.1/26.5
C192	4030023010	S.CER	0402B104K160CT	B	54.6/9.2
C193	4030023010	S.CER	0402B104K160CT	T	20.7/23.5
C194	4030022120	S.CER	GRM0332C1H470JA01D	B	62.8/13.1
C195	4030022120	S.CER	GRM0332C1H470JA01D	B	62.8/14.2
C196	4030022120	S.CER	GRM0332C1H470JA01D	B	62.2/11.9
C197	4030022120	S.CER	GRM0332C1H470JA01D	B	62.8/15.4
C198	4030022120	S.CER	GRM0332C1H470JA01D	B	67.7/21.9
C199	4030022120	S.CER	GRM0332C1H470JA01D	B	67.7/23.0
C201	4030023010	S.CER	0402B104K160CT	T	7.1/8.7
C202	4030023870	S.CER	0603B104K500CT	B	1.1/41.4
C203	4030023870	S.CER	0603B104K500CT	B	10.2/39.1
C204	4030026360	S.CER	CL21B475KAFNNPE	B	25.1/29.7
C205	4030022840	S.CER	0402N390J500CT	B	42.6/21.2
C206	4030022640	S.CER	0402N101J500CT	B	17.1/32.1
C207	4030022640	S.CER	0402N101J500CT	B	17.1/30.1
C208	4030023130	S.CER	0402B222K500CT	B	17.1/28.1
C209	4030023130	S.CER	0402B222K500CT	B	17.1/26.1
C212	4030022640	S.CER	0402N101J500CT	B	17.1/20.1
C213	4030022640	S.CER	0402N101J500CT	B	16.8/18.1
C214	4030022640	S.CER	0402N101J500CT	B	18.6/14.3
C215	4030022640	S.CER	0402N101J500CT	B	17.1/34.0
C216	4030023010	S.CER	0402B104K160CT	T	5.6/5.3
C218	4030026240	S.CER	CL05A105KO5NNPC	T	13.5/24.9
C220	4030026330	S.CER	CL21A106KAYNNPE	T	18.2/32.3
C221	4030026330	S.CER	CL21A106KAYNNPE	T	20.0/32.3
C222	4030022510	S.CER	GRM155B31A225KE95D	B	20.2/18.1
C223	4030026330	S.CER	CL21A106KAYNNPE	B	72.3/34.6
C225	4030023090	S.CER	0402B102K500CT	B	49.6/22.2
C226	4030023090	S.CER	0402B102K500CT	B	53.0/17.1
C227	4030022640	S.CER	0402N101J500CT	B	33.8/25.3
C228	4030022640	S.CER	0402N101J500CT	B	31.8/25.8
C229	4030022640	S.CER	0402N101J500CT	B	45.9/20.5
C230	4030023030	S.CER	0402B103K250CT	T	13.8/35.8
J1	6510031380	S.CON	31FXVL-RSM1-GAN-TF-1(HF)	T	12.7/13.5
J5	6510027040	S.CON	B12B-PH-SM4-TB(LF)(SN)	B	11.2/23.6
J7	6510031400	S.CON	BM02B-ACHSS-GAN-ETF(LF)	B	2.7/4.4
J8	6510022692	S.CON	06FLT-SM2-TB(LF)(SN)(M)	B	73.6/22.5
J9	6510030490	S.CON	AYF530635	B	52.0/36.5
J10	6510031390	S.CON	15FXVL-RSM1-GAN-TF-1(HF)	B	25.9/24.1
DS1	5040003990	S.LED	CL-505S-X-SD-T	T	80.8/12.0
DS2	5030004132	LCD	S175TM02(A3)		
MC1	7700003060	MIC	F6027AP-SBC-462		
EP3	6910016330	S.BEA	MMZ1005S 601CT-S	B	59.6/9.7
EP4	6910019100	S.BEA	MPZ1608S101AT	B	46.3/22.4
EP5	6910016330	S.BEA	MMZ1005S 601CT-S	B	54.6/17.1
EP7	6910016330	S.BEA	MMZ1005S 601CT-S	B	63.2/18.7
EP9	6910016330	S.BEA	MMZ1005S 601CT-S	B	50.9/21.7
EP10	6910016330	S.BEA	MMZ1005S 601CT-S	B	52.5/10.3
EP12	6910023350	S.BEA	MMZ1005B601CT	T	13.5/25.8
EP13	6910023350	S.BEA	MMZ1005B601CT	T	14.3/40.0
EP14	6910023350	S.BEA	MMZ1005B601CT	T	18.8/27.5
EP16	6910016330	S.BEA	MMZ1005S 601CT-S	T	23.1/42.7
EP17	6910015970	S.BEA	MMZ1608B 301CT-AS	B	7.4/2.3
EP18	6910015970	S.BEA	MMZ1608B 301CT-AS	B	7.4/6.6
EP20	6910016330	S.BEA	MMZ1005S 601CT-S	T	6.5/5.3
EP21	6910016330	S.BEA	MMZ1005S 601CT-S	T	8.8/11.0

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
H/V LOCATION= Shows mounting location on the PCB.

SECTION 3 MECHANICAL PARTS

[CHASSIS UNIT]

REF NO.	PART NO.	DESCRIPTION	QTY.
SP1	2510002080	036D01206	1
W1	8920001941	CAB-1232-1	1
W2	8920002000	CAB-1252	1
W3	8920001910	CAB-1219	1
W4	8910000070	FFC-1008 (P0.5N6L50)	1
EP2	8940000031	3766 T-KEY P.C.B.-1	1
MP1	8210032401	3775 FRONT PANEL ASSEMBLY-1	1
MP2	8210032031	3775 REAR PANEL-1	1
MP4	8930095020	3775 MAIN SEAL (TOP)	1
MP5	8930095320	3775 TOP KEY (TOP)	1
MP6	8930095330	3775 BRAKE PLATE 1	1
MP7	8930095340	3775 VOL SHEET	1
MP8	8610015880	KNOB N-438	1
MP10	8930093460	3766 LENS	1
MP11	8930083680	O-RING (CM) (TOP)	1
MP16	8930093610	3766 A-SP HOLDER	1
MP18	8950009021	3766 T-KEY-1	1
MP19	8930096651	3621 SP RUBBER-1	1
MP20	8930093500	3811 PTT PLATE	1
MP21	8930093510	3811 BUSH PLATE	1
MP22	8610014700	3581 HANGER KNOB	1
MP23	8930060970	O-RING (AZ)	1
MP25	8930063690	O-RING (BA) (KSK)	6
MP26	8830001470	VR NUT (N)	1
MP28	8930088671	3521 VENT SHEET-1	1
MP29	8930068980	2905 VENT SHEET	1
MP30	8810009181	BT M2 × 5 NI-ZC3	4
MP31	8810009181	BT M2 × 5 NI-ZC3	2
MP32	8810009181	BT M2 × 5 NI-ZC3	1
MP33	8820001510	3062 SCREW	6
MP34	8850000430	S-WASHER M4 NI	1
MP35	8810009880	BIND M4 × 8 NI FE	1

[MAIN UNIT]

REF NO.	PART NO.	DESCRIPTION	QTY.
J1*	6510031380	31FXVL-RSM1-GAN-TF-1 (HF)	1
J5*	6510027040	B12B-PH-SM4-TB (LF) (SN)	1
J7*	6510031400	BM02B-ACHSS-GAN-ETF (LF) (SN)	1
J8*	6510022692	06FLT-SM2-TB (LF) (SN) (M)	1
J9*	6510030490	AYF530635	1
J10*	6510031390	15FXVL-RSM1-GAN-TF-1 (HF)	1
DS2	5030004131	S175TM02	1
MC1*	7700003060	F6027AP-SBC-462	1
MP1	8930093570	3766 MIC RUBBER (TOP)	1
MP2	8930094010	3766 LCD SPONGE	1
MP3	8930095060	DOUBLE SIDE TAPE (CD)	1
MP4*	8510022070	3775 SHIELD CASE	1

[VR UNIT]

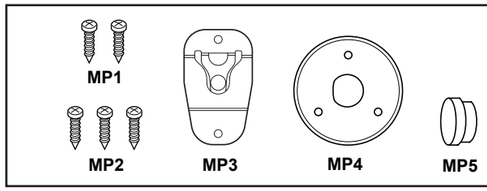
REF NO.	PART NO.	DESCRIPTION	QTY.
J1*	6510029480	06FH-SM1-TB (LF) (SN)	1
S1	2260002590	SKHHLU	1
MP1	8930083881	O-RING (CK)-1 (TOP)	1

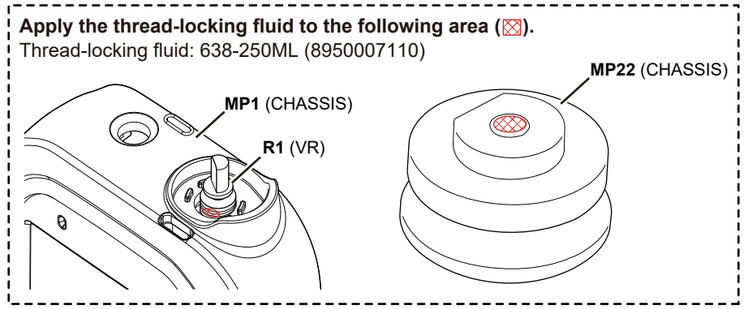
[MAIN-A UNIT]

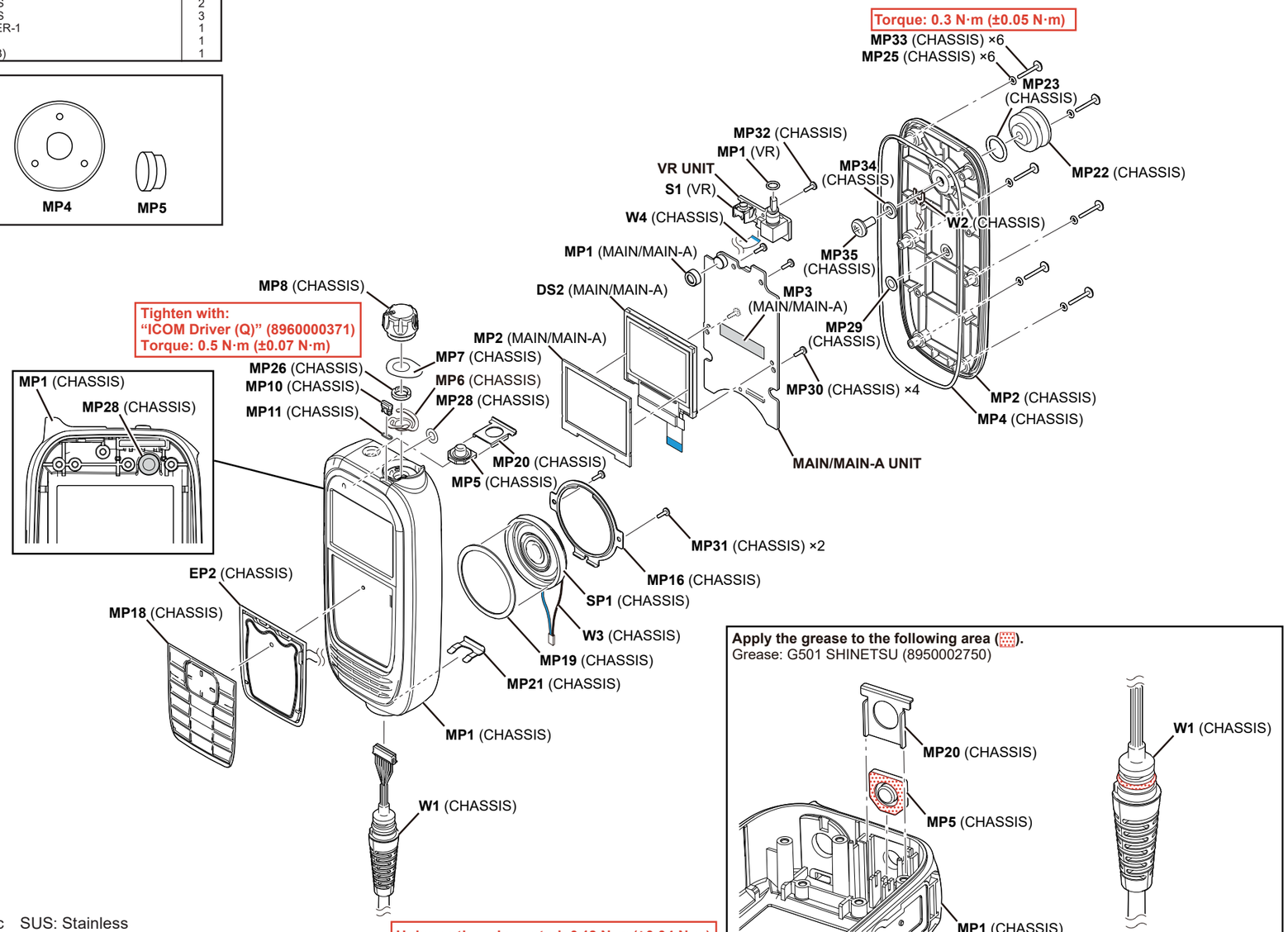
REF NO.	PART NO.	DESCRIPTION	QTY.
J1*	6510031380	31FXVL-RSM1-GAN-TF-1 (HF)	1
J5*	6510027040	B12B-PH-SM4-TB (LF) (SN)	1
J7*	6510031400	BM02B-ACHSS-GAN-ETF (LF) (SN)	1
J8*	6510022692	06FLT-SM2-TB (LF) (SN) (M)	1
J9*	6510030490	AYF530635	1
J10*	6510031390	15FXVL-RSM1-GAN-TF-1 (HF)	1
DS2	5030004132	S175TM02 (A3)	1
MC1*	7700003060	F6027AP-SBC-462	1
MP1	8930093570	3766 MIC RUBBER (TOP)	1
MP2	8930094010	3766 LCD SPONGE	1
MP3	8930095060	DOUBLE SIDE TAPE (CD)	1
MP4*	8510022070	3775 SHIELD CASE	1

[SUPPLIED ACCESSORIES]

REF NO.	PART NO.	DESCRIPTION	QTY.
MP1	8810004700	PHA M3 × 16 SUS	2
MP2	8810004700	PHA M3 × 16 SUS	3
MP3	8950006871	2917 MIC HANGER-1	1
MP4	8310050320	2417 C-PLATE	1
MP5	8930055041	2438 CAP-1 (KOB)	1





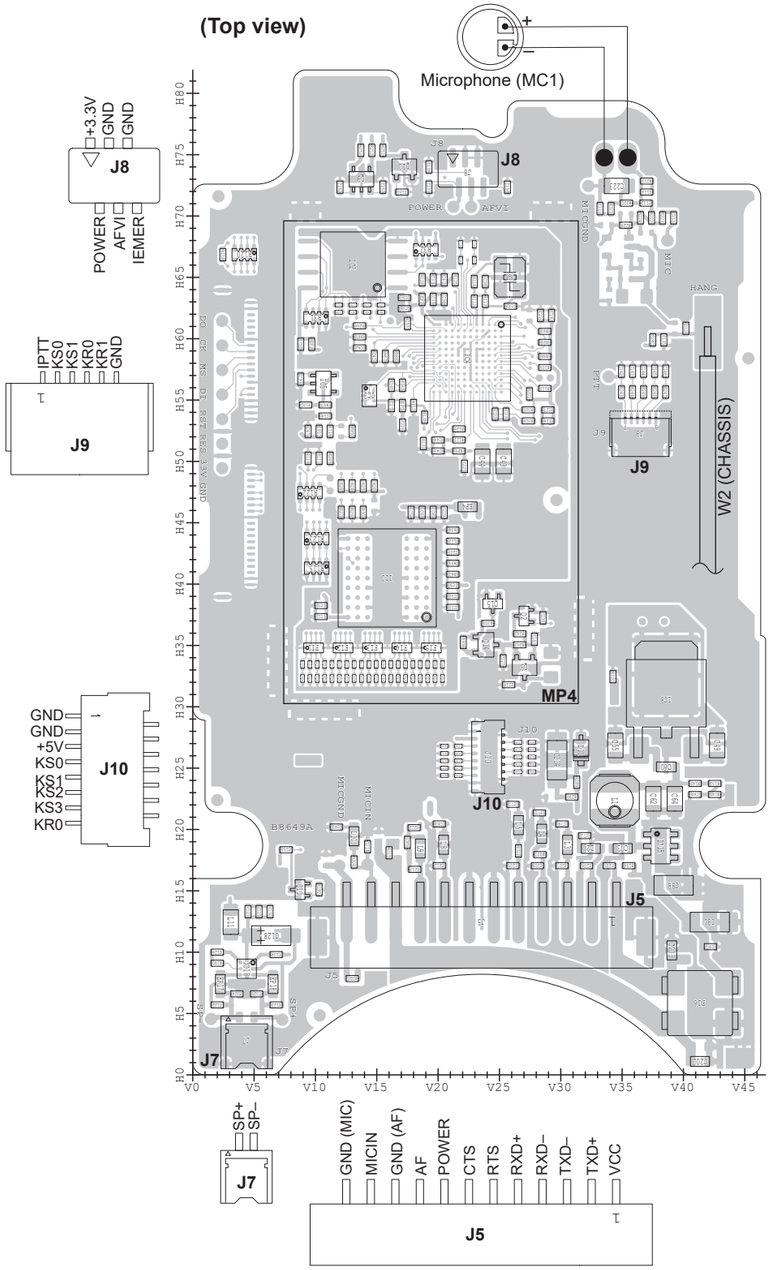


*: Refer to "BOARD LAYOUTS" for the location.
Screw abbreviations A, B0, BT: Self-tapping PH: Pan head BS: Brass NI: Nickel ZU: Zinc SUS: Stainless

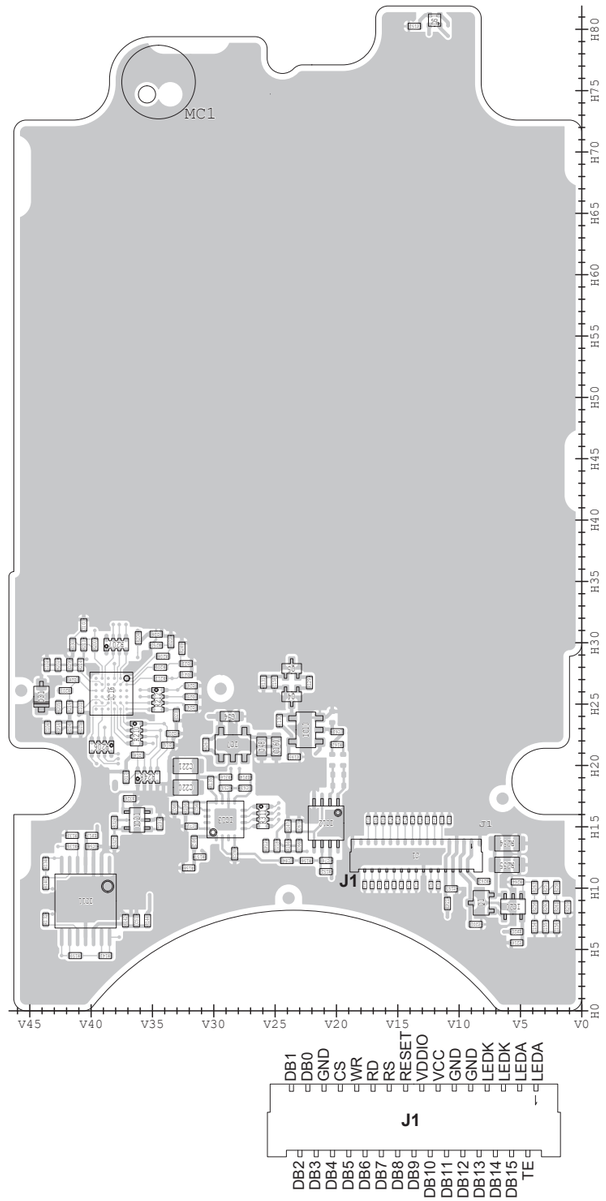
SECTION 4 BOARD LAYOUT

• MAIN UNIT (For only [#01]: B-8649A)

(Top view)

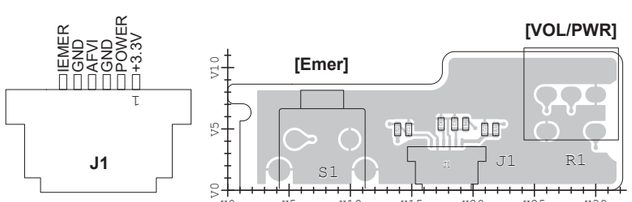


(Bottom view)

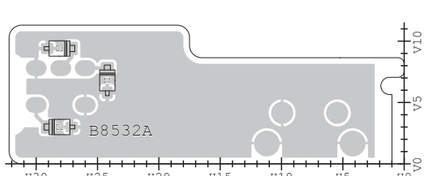


• VR UNIT (B-8532A)

(Top view)



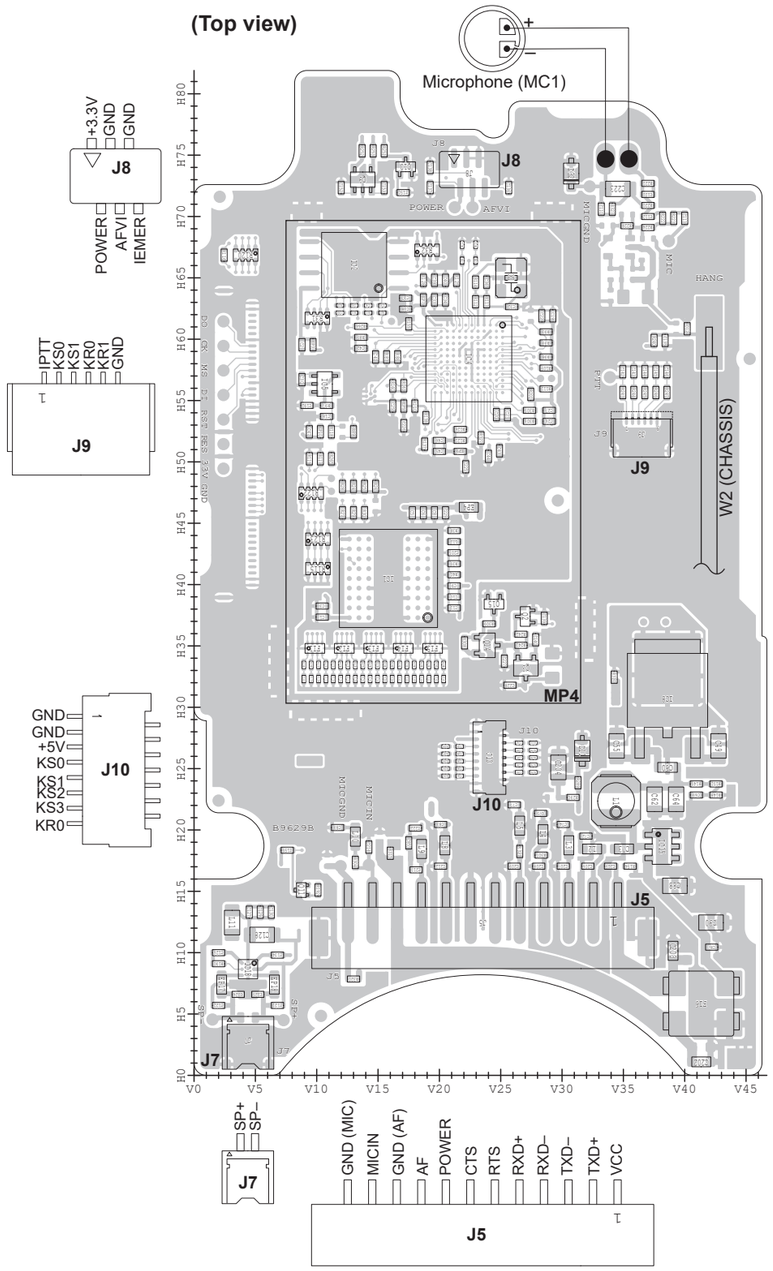
(Bottom view)



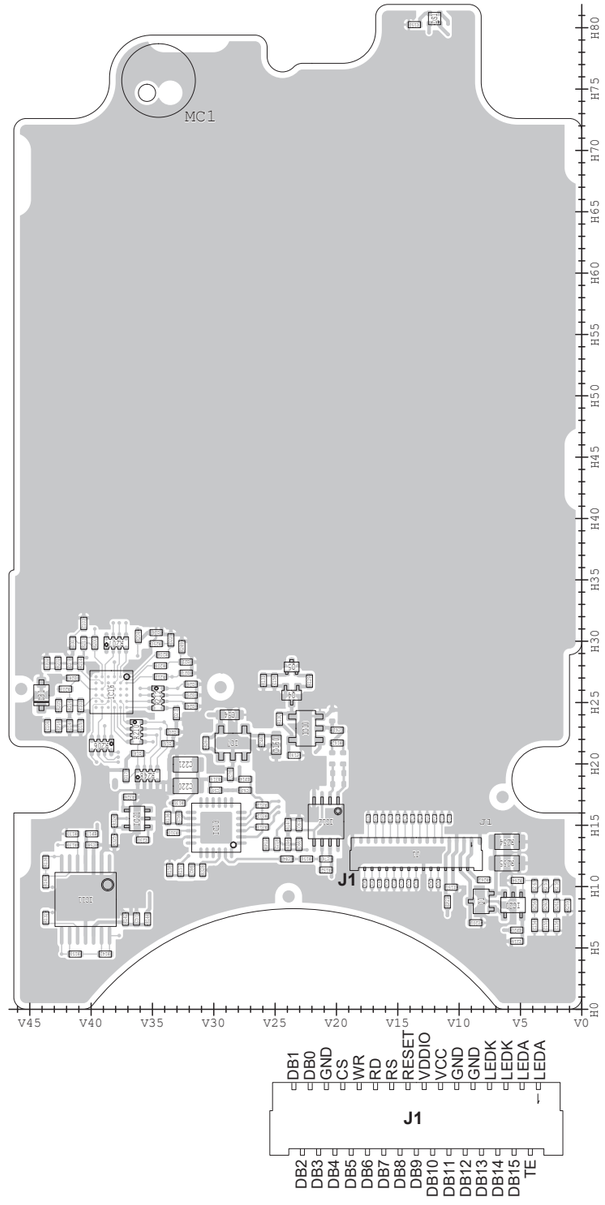
NOTE: Refer to the PARTS LIST for the mounted parts.
The scale along the PCB indicates the corresponding “H/V LOCATION” on the parts list.

• **MAIN-A UNIT (For only [#11]: B-9629B)**

(Top view)

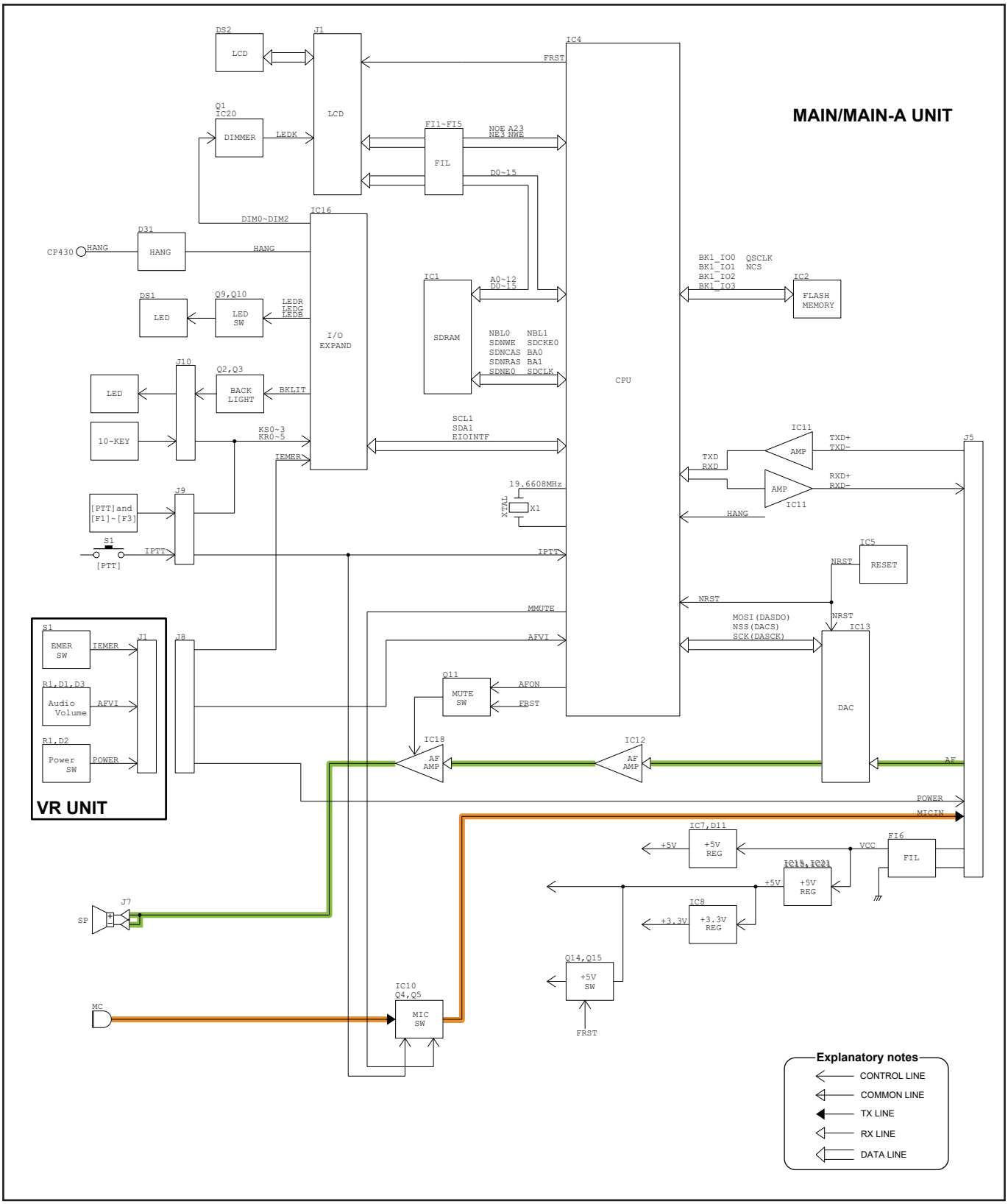


(Bottom view)



NOTE: Refer to the PARTS LIST for the mounted parts.
The scale along the PCB indicates the corresponding “H/V LOCATION” on the parts list.

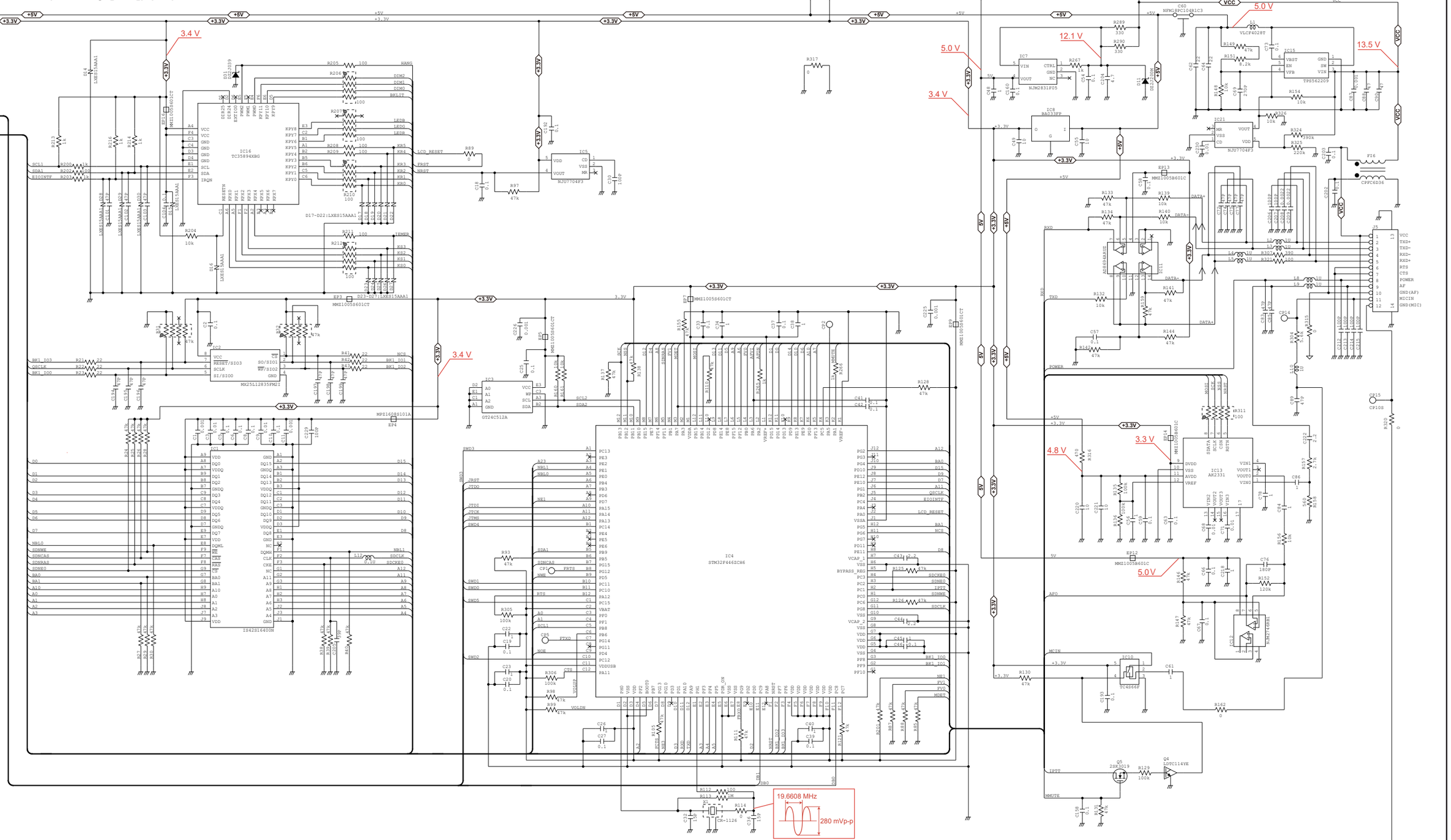
SECTION 5 BLOCK DIAGRAM



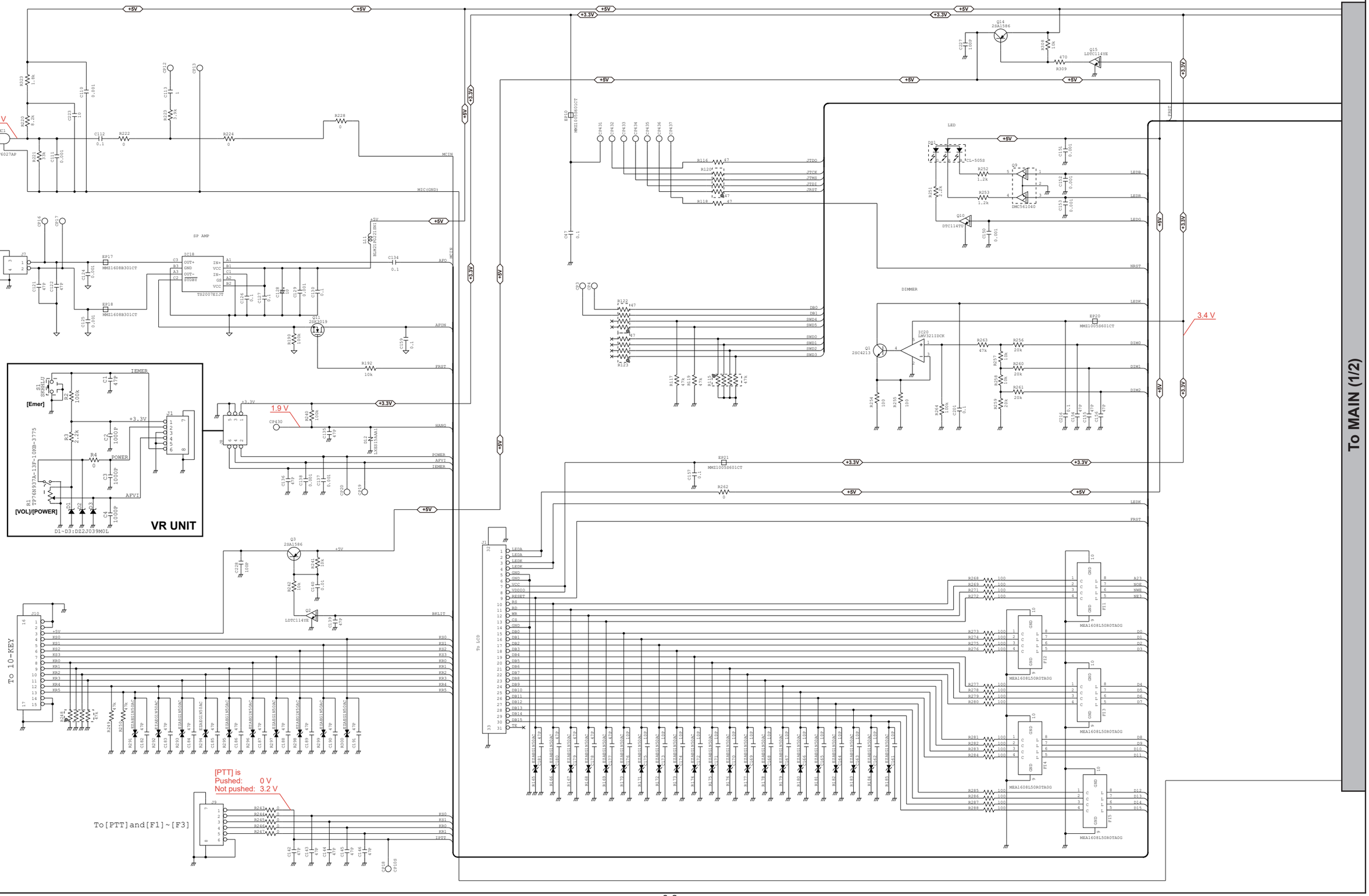
SECTION 6 VOLTAGE DIAGRAM

• **MAIN UNIT (For only [#01]) (1/2)**

To MAIN (2/2)

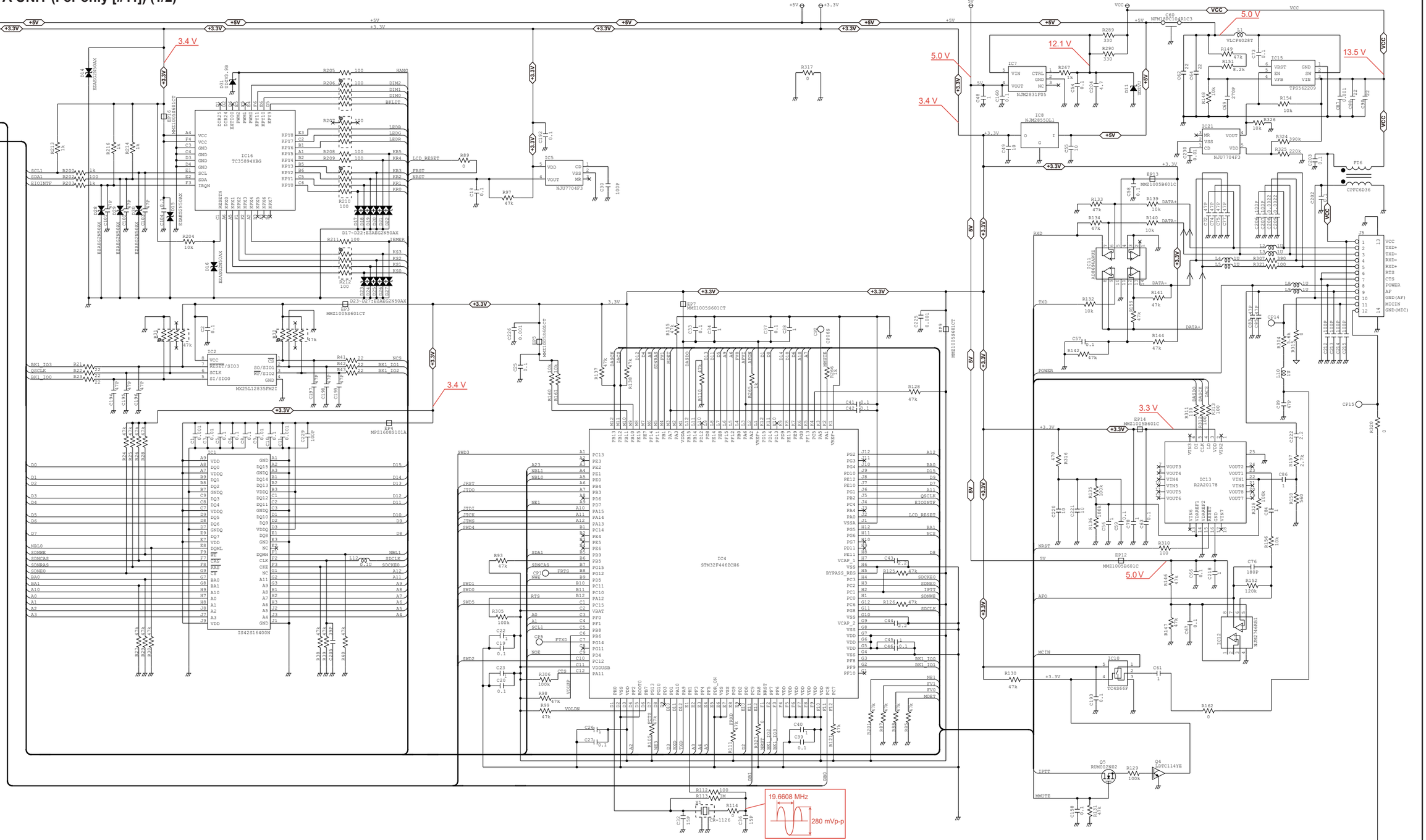


• MAIN UNIT (For only [#01]) (2/2)

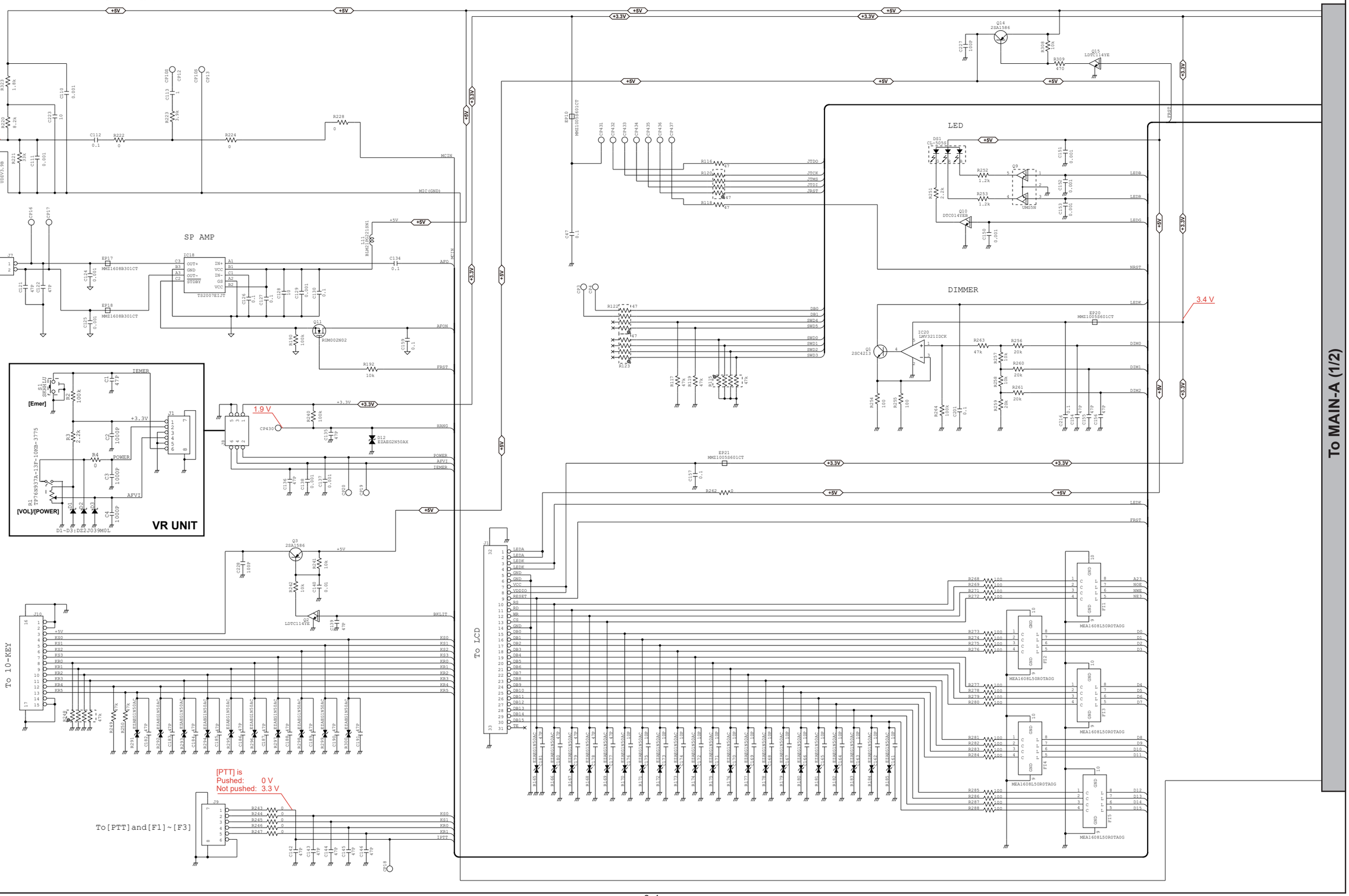


• MAIN-A UNIT (For only [#11]) (1/2)

To MAIN-A (2/2)



• MAIN-A UNIT (For only [#11]) (2/2)



If you have any inquiries regarding service, contact your distributor. The contact number or E-mail address of your distributor can be found on our website.

https://www.icomjapan.com/

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