
IC-FR400 IC-FR4100

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[VERSION LIST]

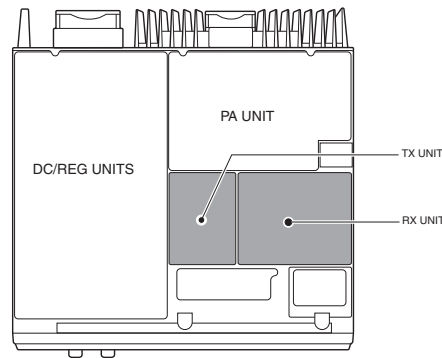
Model	version	Frequency range (MHz)	Channel spacing (kHz)	TX output power (W)
IC-FR4000	[USA-01]	400-430	12.5/25.0	50
	[USA-03]	450-480		
	[GEN-01]	400-430		
	[GEN-02]	430-450		
	[GEN-03]	450-480		
	[GEN-05]	400-430		
	[GEN-06]	430-450		
	[GEN-07]	450-480		
	[CHN-01]	400-430		
	[CHN-02]	430-450		
	[CHN-03]	450-480		
IC-FR4100	[EUR-01]	400-430	12.5/25.0	25
	[EUR-03]	450-480	12.5/20.0	
	[FRG-03]	450-480		
	[FRG-01]	400-430		

4-2 PLL ADJUSTMENT

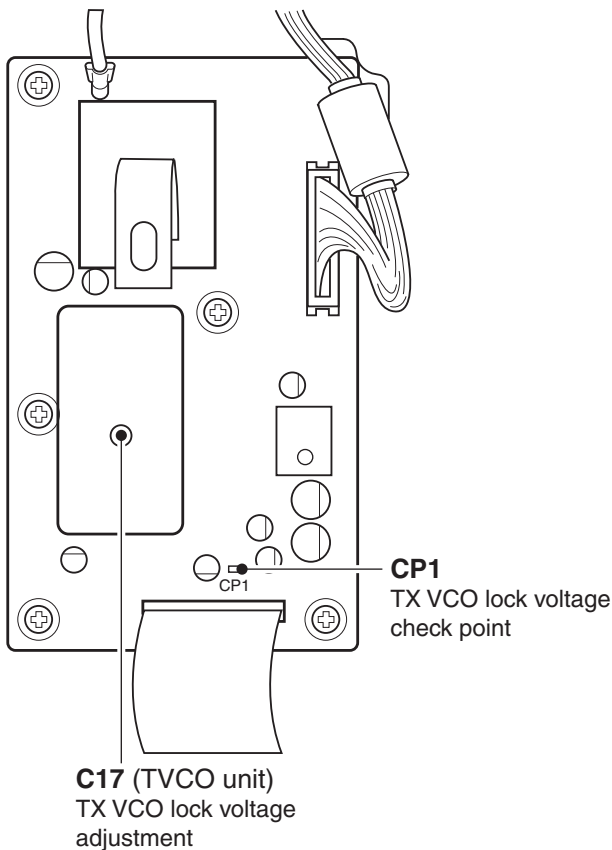
ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
		UNIT	LOCATION		UNIT	ADJUST
TX VCO LOCK VOLTAGE	1 • LCD display : A01 LW TXREF 127 • Receiving	TX	Connect the digital multimeter or oscilloscope to the check point CP1.	1.0 V ①, ②, ④ 0.8 V ③, ⑤,	TVCO	C17
RX VCO LOCK VOLTAGE	2 • LCD display : A01 LW TXREF 127 • Receiving	RX	Connect the digital multi meter or oscilloscope to the check point CP1.	4.3 V ①, ③, ④, ⑤ 3.5 V ②	RVCO	C17
REFERENCE FREQUENCY	1 • Wait for 5 minutes after power ON. • LCD display : A01 LW TXREF • Connect the RF power meter or 50 Ω dummy load to the [TX] antenna connector. • Transmitting	REAR panel	Loosely couple the frequency counter to the [TX] antenna connector.	400.2750 MHz ①, ④ 430.2750 MHz ② 450.2750 MHz ③, ⑤	FRONT	[PRT/BASE]/ [MONI]
	2 • Push the [PROG] button. • LCD display : A01 LW RXREF • Receiving	RX	Connect the frequency counter to check point HJ4.	359.9250 MHz ①, ④ 379.9250 MHz ② 409.9250 MHz ③, ⑤	FRONT	[PRT/BASE]/ [MONI]

- ①: [USA], [GEN-01], [GEN-05], [EUR-01], [CHN-01]
- ②: [GEN-02], [GEN-06], [CHN-02]
- ③: [USA-03], [GEN-03], [GEN-07], [EUR-03], [CHN-03]
- ④: [FRG-01]
- ⑤: [FRG-03]

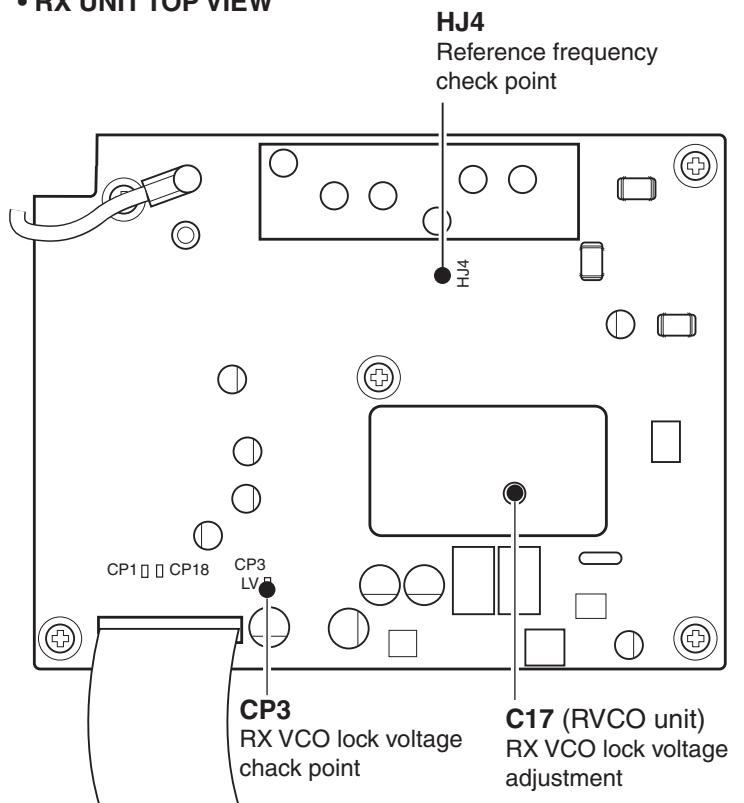
• TOP VIEW



• TX UNIT TOP VIEW



• RX UNIT TOP VIEW



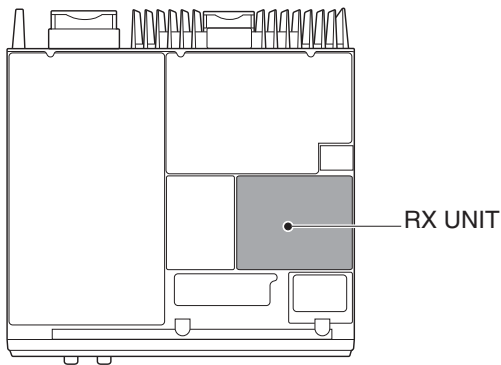
4-3 RECEIVER ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
		UNIT	LOCATION		UNIT	ADJUST
RX SENSITIVITY	1 • LCD display : A03 LW MRTUN 083 • Connect the standard signal generator to the [RX] antenna connector and set as: Frequency : 415.0750 MHz ①, ④ 440.0750 MHz ② 465.0750 MHz ③, ⑤ Level : 32 μ V* (-77 dBm) Modulation : 1 kHz ①, ②, ③ Deviation : \pm 3 kHz ④, ⑤ \pm 2.4 kHz • Receiving	RX	Connect the digital multimeter or oscilloscope to the check point CP18.	Maximum voltage	RX	C11, C12, C10, C27, C28, C26 (in sequence)
REPEATER SENSITIVITY	1 • LCD display : A05 LW RPTSQL • Connect the standard signal generator to the [RX] antenna connector and set as: Frequency : 400.0750 MHz ①, ④ 430.0750 MHz ② 450.0750 MHz ③, ⑤ Level : Except [EUR-03] 0.2 μ V* (-121 dBm) [EUR-03] 0.18 μ V* (-122 dBm) Modulation : 1 kHz Deviation : \pm 3 kHz ①, ②, ③ \pm 2.4 kHz ④, ⑤ • Connect the RF power meter to the [TX] antenna connector. • Receiving	FRONT	Speaker	Squelch open	FRONT	[PRT/BASE] / [MONI]

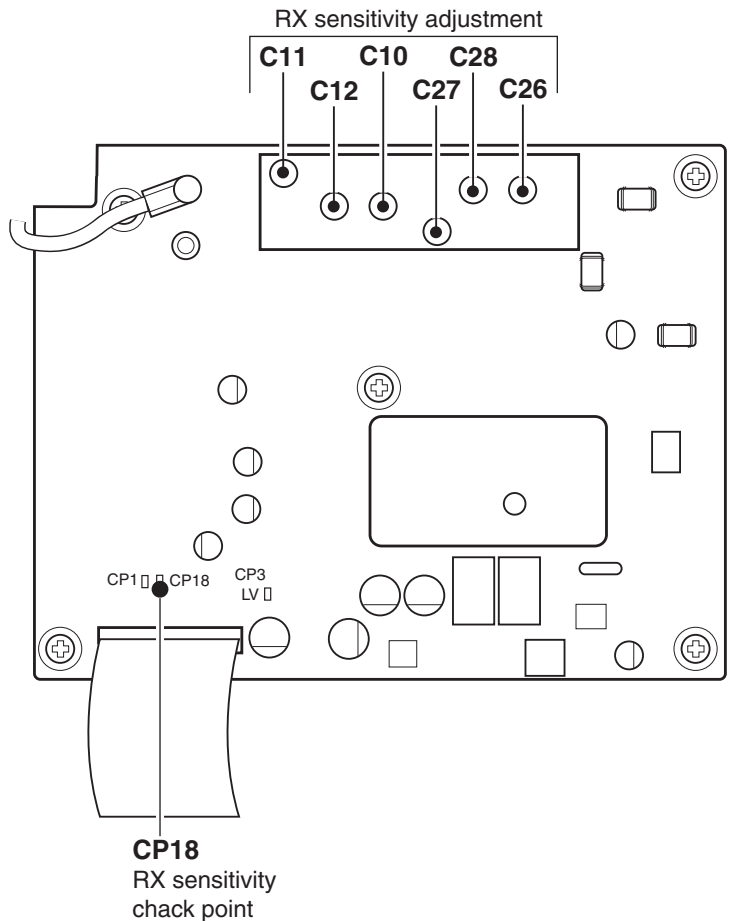
*: The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

- ①: [USA], [GEN-01], [GEN-05], [EUR-01], [CHN-01]
- ②: [GEN-02], [GEN-06], [CHN-02]
- ③: [USA-03], [GEN-03], [GEN-07], [EUR-03], [CHN-03]
- ④: [FRG-01]
- ⑤: [FRG-03]

• TOP VIEW



• RX UNIT TOP VIEW



4-4 SOFTWARE ADJUSTMENT

Select an item using [CH-UP] / [CH-DN] buttons, then set specified value using [RPT/BASE] / [MONI] buttons on the FRONT PANEL.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE
		UNIT	LOCATION	
OUTPUT POWER Power (Hi)	1 <ul style="list-style-type: none"> • LCD display : A06 HW POWER • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • Transmitting 	Rear panel	Connect the RF power meter to the [TX] antenna connector.	50.0 W [FR4000] 25.0 W [FR4100]
	Power (Low)			2 <ul style="list-style-type: none"> • Push the [PROG] button. • LCD display : A06 LW POWER • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • Transmitting
FM DEVIATION	1 <ul style="list-style-type: none"> • LCD display : A07 LW M DEV • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • Connect the audio generator to the [MIC] jack through the JIG cable and set it as: 1.0 kHz/40 mVrms • Set the FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±4.5 kHz ①, ②, ③ ±3.5 kHz ④, ⑤
MODULATION BALANCE (LOW FRQ)	1 <ul style="list-style-type: none"> • LCD display : A08 LW LMODC • Operating freq. : 400.2750 MHz ①, ④ 430.2750 MHz ② 450.2750 MHz ③, ⑤ • Connect the audio generator to the [MIC] jack through the JIG cable and set it as: 1.0 kHz/40 mVrms • Set the FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±4.5 kHz ①, ②, ③ ±3.5 kHz ④, ⑤
(HIGH FRQ)	2 <ul style="list-style-type: none"> • LCD display : A09 LW HMODC • Operating freq. : 429.7250 MHz ①, ④ 449.7250 MHz ② 479.7250 MHz ③, ⑤ • Transmitting 			

①: [USA], [GEN-01], [GEN-05], [EUR-01], [CHN-01]

②: [GEN-02], [GEN-06], [CHN-02]


③: [USA-03], [GEN-03], [GEN-07], [EUR-03], [CHN-03]

④: [FRG-01]

⑤: [FRG-03]

4-4 SOFTWARE ADJUSTMENT (continued)

Select an item using [CH-UP] / [CH-DN] buttons, then set specified value using [RPT/BASE] / [MONI] buttons on the FRONT PANEL.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE
		UNIT	LOCATION	
CTCSS DEVIATION [WIDE]	1 <ul style="list-style-type: none"> • LCD display : A10 LW CTCDEU • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • Set the FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P-P)/2 • No audio applied to the [MIC] connector. • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±0.7 kHz ①, ②, ③ ±0.56 kHz ④, ⑤
	[NARROW]			2 <ul style="list-style-type: none"> • LCD display : A12 LN CTCDEU • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • No audio applied to the [MIC] connector. • Transmitting
MODULATION BALANCE [DTCS]	1 <ul style="list-style-type: none"> • LCD display : A11 LW DTCADJ • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • No audio applied to the [MIC] connector. • Transmitting. 	Rear panel	Connect the FM deviation meter with the oscilloscope to the [TX] antenna connector through an attenuator.	Set to flat wave form 

*: The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

- ①: [USA], [GEN-01], [GEN-05], [EUR-01], [CHN-01]
- ②: [GEN-02], [GEN-06], [CHN-02]
- ③: [USA-03], [GEN-03], [GEN-07], [EUR-03], [CHN-03]
- ④: [FRG-01]
- ⑤: [FRG-03]

4-4 SOFTWARE ADJUSTMENT (continued)

Select an item using [CH-UP] / [CH-DN] buttons, then set specified value using [RPT/BASE] / [MONI] buttons on the FRONT PANEL.

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE
		UNIT	LOCATION	
REPEATER DEVIATION [WIDE]	1 <ul style="list-style-type: none"> • LCD display : A13 LW RPTAF • Operating freq. : 410.2750 MHz (RX) ①, ④ 415.2750 MHz (TX) ①, ④ 435.2750 MHz (RX) ② 440.2750 MHz (TX) ② 460.2750 MHz (RX) ③, ⑤ 465.2750 MHz (TX) ③, ⑤ • Connect the standard signal generator to the [RX] antenna connector and set it as: Level : 1 mV* (-47 dBm) Modulation : 1 kHz Deviation : ±3 kHz ①, ②, ③ ±2.4 kHz ④, ⑤ • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±3.0 kHz ①, ②, ③ ±2.4 kHz ④, ⑤
[NARROW]	2 <ul style="list-style-type: none"> • LCD display : A14 LN RPTAF • Operating freq. : 410.2750 MHz (RX) ①, ④ 415.2750 MHz (TX) ①, ④ 435.2750 MHz (RX) ② 440.2750 MHz (TX) ② 460.2750 MHz (RX) ③, ⑤ 465.2750 MHz (TX) ③, ⑤ • Connect the standard signal generator to the [RX] antenna connector and set as: Level : 1 mV* (-47 dBm) Modulation : 1 kHz Deviation : ±1.5 kHz • Transmitting 			±1.5 kHz

*: The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

①: [USA], [GEN-01], [GEN-05], [EUR-01], [CHN-01]

②: [GEN-02], [GEN-06], [CHN-02]

③: [USA-03], [GEN-03], [GEN-07], [EUR-03], [CHN-03]

④: [FRG-01]

⑤: [FRG-03]

PARTS LIST

[REG UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1180001320	IC NJM7809FA-#FZZB		
IC2	1180002290	S.IC NJM7809DL1A-TE	B	42.3/15.6
IC3	1180001861	S.IC TA78M05F(TE16L,Q)	B	40.7/22.8
IC4	1180002850	S.REG TA58L12F (TE16L,NQ)	T	212.8/45.6
IC6	1180001541	S.IC TA78L08F(TE12L,F)	B	145.8/56
IC7	1110002861	S.IC TA75S393F(TE85R,F)	T	137.8/47.7
IC9	1110002400	S.IC NJM2107F-TE1-#ZZZB	T	223.8/30.5
IC11	1110002751	S.IC TA75S01F(TE85R,F)	T	141.7/45.7
Q1	1590003111	FET 2SJ533-E		
Q4	1590003111	FET 2SJ533-E		
Q5	1540000550	S.TRA 2SD1664 T100Q	T	142.5/38.6
Q7	1590001940	S.TRA DTC144EE TL	B	131.8/35.2
Q8	1590003031	S.FET 2SJ553STR-E	B	17.9/23.2
Q9	1590001940	S.TRA DTC144EE TL	B	24.4/32.7
D2	1750000550	S.DIO 1SS355 TE-17	B	177.3/51.1
D3	1790000700	DIO DSA3A1		
D4	1710001170	DIO FCH30A03L		
D6	1790000720	DIO MA29W-B		
D7	1710001170	DIO FCH30A03L		
D8	1730002341	S.ZEN MAZ8047GML	B	135.6/35.4
R3	7030003640	S.RES ERJ3GEYJ 473 V (47K)	B	54.5/23.5
R14	7100000830	RES 5SG 3.3J ROHS		
R16	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	52.2/21.2
R17	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	53.8/21.2
R18	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	133.4/48.7
R19	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	135.2/49.4
R23	7030003570	S.RES ERJ3GEYJ 123 V (12K)	T	135.4/45.9
R24	7030003510	S.RES ERJ3GEYJ 392 V (3.9K)	B	138.3/49.8
R27	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	139.5/52.2
R30	7030003450	S.RES ERJ3GEYJ 122 V (1.2K)	T	228.5/32.7
R31	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	222.5/27.6
R32	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	220.6/32.1
R33	7030003510	S.RES ERJ3GEYJ 392 V (3.9K)	T	224.7/28.1
R34	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	227/29.5
R35	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	225.7/32.9
R36	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	223/32.9
R37	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	140.3/48.7
R38	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	137.4/45.2
R39	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	135.4/43.3
R40	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	141.8/42.7
R41	7030003620	S.RES ERJ3GEYJ 333 V (33K)	T	141.6/48.7
R42	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	142.9/48.7
R58	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	133.8/35.2
R59	7030003600	S.RES ERJ3GEYJ 223 V (22K)	B	137.4/36.3
R60	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	144.1/43.9
R61	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	144.8/42
R62	7030010510	S.RES ERJ1TYJ 8R2U (8.2)	B	180.6/55.6
R64	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	24.6/27.5
R65	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	24.3/29.9
R66	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	28.4/75.6
R67	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	224/26.2
R68	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	218.6/32.9
C4	4030006860	S.CER C1608 JB 1H 102K-T	T	32.2/75.6
C5	4030006860	S.CER C1608 JB 1H 102K-T	T	120.3/69.1
C6	4510007691	ELE ELXZ250ELL222MM20S		
C7	4510007691	ELE ELXZ250ELL222MM20S		
C9	4510007691	ELE ELXZ250ELL222MM20S		
C11	4030006860	S.CER C1608 JB 1H 102K-T	B	38/35.7
C15	4030006860	S.CER C1608 JB 1H 102K-T	B	143.2/59.3
C17	4030006860	S.CER C1608 JB 1H 102K-T	B	38.2/7.9
C19	4030006860	S.CER C1608 JB 1H 102K-T	B	26.5/17
C20	4030006860	S.CER C1608 JB 1H 102K-T	B	40.6/8.7
C22	4030006860	S.CER C1608 JB 1H 102K-T	B	35.1/14.7
C23	4030006860	S.CER C1608 JB 1H 102K-T	T	38.7/18.6
C24	4550006770	S.TAN TEESVD2 1C 476M-12R	T	48.8/23.9
C25	4030006860	S.CER C1608 JB 1H 102K-T	T	48.6/29.8
C26	4510007661	ELE ELXZ250ELL101MFB5D		
C27	4030006860	S.CER C1608 JB 1H 102K-T	T	217.6/40.4
C28	4510008980	S.ELE EEEHB1C470P	T	215.4/52.7
C29	4030006860	S.CER C1608 JB 1H 102K-T	B	218/58.4
C31	4030006860	S.CER C1608 JB 1H 102K-T	T	218.6/74.7
C33	4030006900	S.CER C1608 JB 1H 103K-T	B	142.1/56.8
C34	4510009270	S.ELE EEEHB1C220UR	T	142.1/53
C35	4030006900	S.CER C1608 JB 1H 103K-T	B	142.6/52.6
C36	4030006860	S.CER C1608 JB 1H 102K-T	T	25.7/75.6
C37	4510007661	ELE ELXZ250ELL101MFB5D		
C38	4510007661	ELE ELXZ250ELL101MFB5D		
C41	4510009270	S.ELE EEEHB1C220UR	T	218/29.3
C42	4030006900	S.CER C1608 JB 1H 103K-T	T	221.2/27.2
C43	4030006900	S.CER C1608 JB 1H 103K-T	T	226.7/27.3
C45	4030006900	S.CER C1608 JB 1H 103K-T	T	140.5/42.7
C47	4510007661	ELE ELXZ250ELL101MFB5D		
C48	4030006860	S.CER C1608 JB 1H 102K-T	B	13.7/15.6
C49	4510009270	S.ELE EEEHB1C220UR	T	12.6/20.6
C50	4030006900	S.CER C1608 JB 1H 103K-T	T	138.9/50.7
C51	4030006900	S.CER C1608 JB 1H 103K-T	T	144.7/46.7
C52	4030017490	S.CER C1608 JB 1A 105K-T	T	228.7/28.1
RL2	6330001680	REL ACB32101		

[REG UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
J13	6510018971	S.CON B4B-PH-SM4-TB(LF)(SN)	T	17.2/84
J14	6510022621	S.CON 10FMN-BMTTR-A-TBT(LF)(SN)	T	37.1/83.8
J16	6510018961	S.CON B2B-PH-SM4-TB(LF)(SN)	T	220.5/84
J17	6510018961	S.CON B2B-PH-SM4-TB(LF)(SN)	T	27.7/79
J18	6510018961	S.CON B2B-PH-SM4-TB(LF)(SN)	T	230.9/79
F1	5220000300	HOL 1A5600		
F2	5220000300	HOL 1A5600		
F3	5210000850	FUS ATC-20		
F4	5220000300	HOL 1A5600		
F5	5220000300	HOL 1A5600		
F6	5210000850	FUS ATC-20		
S1	2260001511	SWI RXEF160		
W1	7120000490	JUM ERD25T0		
W2	7120000490	JUM ERD25T0		
W3	7120000490	JUM ERD25T0		
W4	7120000490	JUM ERD25T0		
EP2	6910012350	S.BEA MMZ1608Y 102BT	T	222.2/34.2
EP3	6910011340	TER OT-010 M3		
EP4	6910011340	TER OT-010 M3		
EP5	6910011340	TER OT-010 M3		
EP6	6910011340	TER OT-010 M3		
EP7	6910011340	TER OT-010 M3		
EP8	6910011340	TER OT-010 M3		
EP9	6910011340	TER OT-010 M3		
EP10	6910011340	TER OT-010 M3		

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

[FRONT UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
Q1	1530002060	S.TRA 2SC4081 T106 R		
D1	1750000931	S.DIO NNCD8.2C-T1-A		
D2	1750000931	S.DIO NNCD8.2C-T1-A		
D3	1750000931	S.DIO NNCD8.2C-T1-A		
L1	6200001620	S.COI ELJFC 1R0K-F		
R1	7030003400	S.RES ERJ3GEYJ 471 V (470)		
R2	7030003200	S.RES ERJ3GEYJ 100 V (10)		
R3	7030003200	S.RES ERJ3GEYJ 100 V (10)		
R8	7030001150	S.RES MCR50JZHJ 150 (151)		
R9	7030001150	S.RES MCR50JZHJ 150 (151)		
R10	7030001160	S.RES MCR50JZHJ 180 (181)		
R11	7030001150	S.RES MCR50JZHJ 150 (151)		
R12	7030001150	S.RES MCR50JZHJ 150 (151)		
R13	7030001150	S.RES MCR50JZHJ 150 (151)		
R15	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)		
R17	7030008220	S.RES MCR100JZHJ 47 (470)		
R18	7030008220	S.RES MCR100JZHJ 47 (470)		
R19	7540000241	S.ABS KU10R29N-5063		
R21	7030003640	S.RES ERJ3GEYJ 473 V (47K)		
R22	7030003640	S.RES ERJ3GEYJ 473 V (47K)		
R23	7030003640	S.RES ERJ3GEYJ 473 V (47K)		
R24	7030003640	S.RES ERJ3GEYJ 473 V (47K)		
R26	7030003640	S.RES ERJ3GEYJ 473 V (47K)		
R27	7030010910	S.RES ERJ1TYJ 150U (15)		
R28	7030010910	S.RES ERJ1TYJ 150U (15)		
W1	7030003860	S.RES ERJ3GE JPW V [GEN-01]		
	7030003860	S.RES ERJ3GE JPW V [GEN-02]		
	7030003860	S.RES ERJ3GE JPW V [GEN-03]		
	7030003860	S.RES ERJ3GE JPW V [GEN-05]		
	7030003860	S.RES ERJ3GE JPW V [GEN-06]		
	7030003860	S.RES ERJ3GE JPW V [GEN-07]		
	7030003860	S.RES ERJ3GE JPW V [EUR-01]		
	7030003860	S.RES ERJ3GE JPW V [EUR-03]		
	7030003860	S.RES ERJ3GE JPW V [FRG-03]		
	7030003860	S.RES ERJ3GE JPW V [FRG-01]		
	7030003860	S.RES ERJ3GE JPW V [CHN-01]		
	7030003860	S.RES ERJ3GE JPW V [CHN-02]		
	7030003860	S.RES ERJ3GE JPW V [CHN-03]		
C1	4030006860	S.CER C1608 JB 1H 102K-T		
C2	4030006860	S.CER C1608 JB 1H 102K-T		
C3	4030006860	S.CER C1608 JB 1H 102K-T		
C4	4030006860	S.CER C1608 JB 1H 102K-T		
C5	4030006860	S.CER C1608 JB 1H 102K-T		
C12	4030006860	S.CER C1608 JB 1H 102K-T		
C13	4030006860	S.CER C1608 JB 1H 102K-T		
C14	4030006860	S.CER C1608 JB 1H 102K-T		
C15	4030006860	S.CER C1608 JB 1H 102K-T		
C16	4030006860	S.CER C1608 JB 1H 102K-T		
C17	4030019420	S.CER GRM31A7U2J102JW31D		
C18	4030019420	S.CER GRM31A7U2J102JW31D		
C19	4030006860	S.CER C1608 JB 1H 102K-T [EUR-01]		
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-01]		
C20	4030006860	S.CER C1608 JB 1H 102K-T [EUR-01]		
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-01]		
J1	6510022621	S.CON 10FMN-BMTTR-A-TBT(LF)(SN)		
J2	6510022581	S.CON 24FMN-BMTTR-A-TBT(LF)(SN)		
J3	6510021601	S.CON S2B-PH-SM4-TB(LF)(SN)		
J4	6510022911	CON IMSA-9201B-1-16Z428-PT1		
J6	6510022790	CON 95003-2641		
J7	6450001471	CON 95503-2881		
J8	6510023251	S.CON S3B-PH-SM4-TB(LF)(SN)		
J9	6510021601	S.CON S2B-PH-SM4-TB(LF)(SN)		
F1	5210000921	FUS 235001MXEP [USA-01]		
	5210000921	FUS 235001MXEP [USA-03]		
DS1	5040001820	LED BG3889S		
DS2	5040001820	LED BG3889S		
DS3	5040001330	LED BR3889S		
DS4	5040001820	LED BG3889S		
DS5	5040001820	LED BG3889S		
DS6	5040001820	LED BG3889S		
DS7	5030002960	LCD CMS-CC2242UYLY-W-E		
S1	2260001680	S.SWI SKQDPB		
S2	2260001680	S.SWI SKQDPB		
S3	2260001680	S.SWI SKQDPB		
S4	2260001680	S.SWI SKQDPB		
S5	2260001680	S.SWI SKQDPB		
S6	2260001680	S.SWI SKQDPB		
S7	2260001680	S.SWI SKQDPB		
S8	2260001680	S.SWI SKQDPB		
EP2	6910014560	SPA LM-15		
EP3	6910014550	SPA LM-13		

[FRONT UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
EP4	6910014540	SPA LM-10		
EP5	6910014540	SPA LM-10		
EP6	6910014540	SPA LM-10		
EP7	6910014540	SPA LM-10		

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

[VR UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7210003110	VAR RK0971110 10KA		
R2	7210003120	VAR RK0971110 10KB		
W1	7030003860	S.RES ERJ3GE JPW V [EUR-01]		
	7030003860	S.RES ERJ3GE JPW V [EUR-02]		
	7030003860	S.RES ERJ3GE JPW V [FRG-03]		
	7030003860	S.RES ERJ3GE JPW V [FRG-01]		
W2	7030003860	S.RES ERJ3GE JPW V [EUR-01]		
	7030003860	S.RES ERJ3GE JPW V [EUR-03]		
	7030003860	S.RES ERJ3GE JPW V [FRG-03]		
	7030003860	S.RES ERJ3GE JPW V [FRG-01]		
J1	6510018951	S.CON B7B-PH-SM4-TB(LF)(SN)		

[LOGIC UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1110003780	S.IC NJM2902V-TE1-#ZZZB	T	45.4/28
IC2	1110003780	S.IC NJM2902V-TE1-#ZZZB	T	49.9/44.5
IC3	1110003780	S.IC NJM2902V-TE1-#ZZZB	B	49.4/72.5
IC4	1110003780	S.IC NJM2902V-TE1-#ZZZB	T	49.4/61
IC6	1110002400	S.IC NJM2107F-TE1-#ZZZB	T	69.5/51.1
IC7	1110003780	S.IC NJM2902V-TE1-#ZZZB	B	33.3/122.3
IC8	1110003780	S.IC NJM2902V-TE1-#ZZZB	B	56.9/100
IC9	1110003780	S.IC NJM2902V-TE1-#ZZZB	B	64.4/50.5
IC10	1110003780	S.IC NJM2902V-TE1-#ZZZB	T	70.4/31
IC11	1180000421	S.IC TA78L05F(TE12R,F)	B	101.3/104.8
IC12	1110003780	S.IC NJM2902V-TE1-#ZZZB	T	112.9/105.5
IC13	1130011770	S.IC CD4066BPWR	T	53.4/28
IC14	1130004201	S.IC TC4S66F(TE85R,F)	T	76.6/59
IC16	1130006221	S.IC TC4W53FU(TE12L,F)	B	25.3/23
IC17	1110003091	IC LA4425A-E		
IC20	1130006221	S.IC TC4W53FU(TE12L,F)	T	27.9/45
IC21	1130006221	S.IC TC4W53FU(TE12L,F)	T	27.9/51.5
IC25	1190001350	S.IC M62364FP 600D	T	19.4/47.5
IC26	1110003800	S.IC NJM2904V-TE1-#FMZB	B	22.4/125
IC28	1110002400	S.IC NJM2107F-TE1-#ZZZB	B	44.4/106
IC29	1190001720	S.IC FX805LG	T	42.9/101
IC30	1130006221	S.IC TC4W53FU(TE12L,F)	T	81.4/98
IC31	1130013160	S.IC MT3371BNR1	T	75.1/96.3
IC32	1130006221	S.IC TC4W53FU(TE12L,F)	T	97.4/48.5
IC33	1140010141	S.IC HD64F2238BFA13V EMPTY	T	104.4/79.5
IC34	1110005711	S.IC S-80842CLUA-B63-T2G	B	120.9/100.5
IC35	1130009320	S.IC BU4011BFV-E2	B	113.4/100.5
IC36	1130009320	S.IC BU4011BFV-E2	B	113.4/106
IC37	1130014800	S.IC R1EX24064ATA00A	T	94.4/96.5
IC38	1180002251	S.IC S-812C50AMC-C3E-G	B	124.4/56.7
IC39	1130011760	S.IC CD4094BPWR	T	99.7/28
IC40	1130011760	S.IC CD4094BPWR	B	72.4/70.5
IC41	1130011760	S.IC CD4094BPWR	T	89/34.2
IC42	1170000281	S.IC TLP121(GB-TPL,F)	B	12.4/55
IC43	1170000281	S.IC TLP121(GB-TPL,F)	B	12.4/60.5
IC44	1120002830	S.IC NJM2125F-TE1-#FZZB	T	24.9/109.9
IC45	1110005000	S.IC LMC567CM/NOPB S	B	92.9/103.5
IC46	1190001740	S.IC BA6566F-E2	B	82.4/122
IC47	1190001731	S.IC LC73701M-TLM-E	T	64.9/99.5
IC48	1170000281	S.IC TLP121(GB-TPL,F)	T	121.4/127
IC49	1170000281	S.IC TLP121(GB-TPL,F)	T	76.7/113.8
IC50	1130006221	S.IC TC4W53FU(TE12L,F)	T	58.4/104.5
IC51	1110002400	S.IC NJM2107F-TE1-#ZZZB	T	94.1/105.3
IC52	1110005690	S.IC NJM2520V-TE1-#ZZZB	T	40.4/72.5
IC53	1130006221	S.IC TC4W53FU(TE12L,F)	T	93.4/48.6
Q1	1590001400	S.TRA XP1214(TX)	B	48.5/55.1
Q2	1530002060	S.TRA 2SC4081 T106 R	B	109.4/93.3
Q3	1590001940	S.TRA DTC144EE TL	B	119.6/108
Q4	1530002060	S.TRA 2SC4081 T106 R	T	84.6/80.8
Q5	1510000510	S.TRA 2SA1576A T106R	T	80.9/86.4
Q6	1530002060	S.TRA 2SC4081 T106 R	T	84.4/86
Q7	1590001400	S.TRA XP1214(TX)	B	102.8/74.9
Q8	1590003210	S.TRA XP1111(TX)	B	107.3/74.7
Q9	1590003210	S.TRA XP1111(TX)	B	107.3/77.2
Q10	1590003210	S.TRA XP1111(TX)	B	107.3/79.7
Q11	1590003210	S.TRA XP1111(TX)	B	107.3/82.2
Q17	1590001940	S.TRA DTC144EE TL	T	93.2/25.6
Q18	1590002010	S.TRA XP1114(TX)	T	78.4/18
Q19	1590002010	S.TRA XP1114(TX)	T	80.9/18
Q20	1590002010	S.TRA XP1114(TX)	T	83.4/18
Q24	1550000100	S.FET 2SJ377 (TE16L1,NQ)	T	91.7/17.2
Q25	1530002060	S.TRA 2SC4081 T106 R	T	82.1/80.8
Q26	1590001960	S.TRA XP4311(TX)	T	24.3/104.2
Q27	1590001960	S.TRA XP4311(TX)	T	22.2/100.3
Q28	1590001960	S.TRA XP4311(TX)	T	24.9/97.6
Q29	1590001960	S.TRA XP4311(TX)	T	22.4/93.1
Q37	1590001940	S.TRA DTC144EE TL	B	39.4/125
Q38	1590001400	S.TRA XP1214(TX)	B	128.5/129.4
Q40	1590001940	S.TRA DTC144EE TL	B	74.5/110.3
Q44	1590002430	S.TRA DTA144EE TL	B	14.4/67.3
Q45	1510000591	S.TRA 2SA1362-Y(TE85L,F)	B	119.6/56.5
Q48	1160000150	S.TRA IMZ4 T108	B	123.4/34.5
Q49	1590001960	S.TRA XP4311(TX)	T	11.6/75.1
Q50	1590001960	S.TRA XP4311(TX)	T	11.6/72.6
Q51	1540000570	S.TRA 2SD1760 TLQ [EUR-01]	B	105.3/134
	1540000570	S.TRA 2SD1760 TLQ [EUR-03]		
	1540000570	S.TRA 2SD1760 TLQ [FRG-03]		
	1540000570	S.TRA 2SD1760 TLQ [FRG-01]		
Q52	1530001951	S.TRA 2SC2712-GR(TE85R,F) [EUR-01]	B	100.2/131.2
	1530001951	S.TRA 2SC2712-GR(TE85R,F) [EUR-03]		
	1530001951	S.TRA 2SC2712-GR(TE85R,F) [FRG-03]		
	1530001951	S.TRA 2SC2712-GR(TE85R,F) [FRG-01]		
D1	1730002650	S.ZEN PTZ TE25 36B	B	118.1/125.6
D4	1710001181	S.BRI D1UBA80-7062	B	103.9/150.6
D5	1710001181	S.BRI D1UBA80-7062	B	103.9/144.6
D6	1790001251	S.DIO MA2S1110GL	B	107.6/51.7
D7	1790001251	S.DIO MA2S1110GL	T	80.2/80.9
D8	1790001251	S.DIO MA2S1110GL	B	104.5/69.4
D9	1790001251	S.DIO MA2S1110GL	B	106/61.5
D10	1790001251	S.DIO MA2S1110GL	B	100.6/69
D11	1790001251	S.DIO MA2S1110GL	B	101.9/68.4
D12	1790001251	S.DIO MA2S1110GL	B	103.2/68.4
D13	1790000671	S.DIO SB07-03C-TB-E	B	127.9/56.7
D14	1790001261	S.DIO MA2S077GOL	B	104.6/91.7
D15	1790001251	S.DIO MA2S1110GL	B	105.8/67.7
D16	1790001251	S.DIO MA2S1110GL	B	107.1/67.7
D17	1790001251	S.DIO MA2S1110GL	B	108.4/67.7
D18	1790001251	S.DIO MA2S1110GL	B	109.7/67.7
D19	1790001251	S.DIO MA2S1110GL	T	21.7/103.7
D20	1790001251	S.DIO MA2S1110GL	T	24.6/99.9
D21	1790001251	S.DIO MA2S1110GL	T	22.2/96.8

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

[LOGIC UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C424	4030007050	S.CER C1608 CH 1H 220J-T	T	71.9/50.6
C425	4030011600	S.CER C1608 JB 1E 104K-T	T	40.4/77
C426	4550006250	S.TAN TEESVA 1A 106M8R	B	34.8/47.9
C427	4030007170	S.CER C1608 CH 1H 221J-T	B	33.6/51.5
C428	4030011600	S.CER C1608 JB 1E 104K-T	T	31.6/47.8
C429	4030011600	S.CER C1608 JB 1E 104K-T	T	31.1/44.6
C430	4030011600	S.CER C1608 JB 1E 104K-T	T	25.4/46.7
C431	4030011600	S.CER C1608 JB 1E 104K-T	T	25.5/49.4
C432	4030007050	S.CER C1608 CH 1H 220J-T	B	22.4/129.6
C433	4030006860	S.CER C1608 JB 1H 102K-T	B	119.7/34.5
C434	4510008540	S.ELE EEE1CA100SR	T	125.4/28.5
C435	4030007090	S.CER C1608 CH 1H 470J-T	T	103.4/36.6
C436	4030007090	S.CER C1608 CH 1H 470J-T	B	89.4/99.2
C437	4030011600	S.CER C1608 JB 1E 104K-T	T	99.8/48.5
C438	4030006860	S.CER C1608 JB 1H 102K-T	B	126.3/39.4
C439	4030011600	S.CER C1608 JB 1E 104K-T	T	24.5/107.5
C440	4030011600	S.CER C1608 JB 1E 104K-T	T	67/51.1
C441	4030018060	S.CER C5750 JB 2E 474KT	T	107.6/132.1
C442	4030017490	S.CER C1608 JB 1A 105K-T	T	91.3/109.5
C443	4030006900	S.CER C1608 JB 1H 103K-T	T	91.9/107.6
C447	4030017490	S.CER C1608 JB 1A 105K-T	T	122.7/104.6
C448	4550002980	S.TAN TEESVA 1C 225M8R	T	121.6/109.8
C449	4550000460	S.TAN TEESVA 1C 105M8R	B	55.7/110.6
C450	4030011600	S.CER C1608 JB 1E 104K-T	T	104.1/65.5
C451	4550006250	S.TAN TEESVA 1A 106M8R	B	55/50.9
C452	4030017490	S.CER C1608 JB 1A 105K-T	T	52.3/98.5
C453	4510008760	S.ELE EEE1HA4R7SR [EUR-01]	T	107.7/147.5
	4510008760	S.ELE EEE1HA4R7SR [EUR-03]		
	4510008760	S.ELE EEE1HA4R7SR [FRG-03]		
	4510008760	S.ELE EEE1HA4R7SR [FRG-01]		
C454	4030008650	S.CER C1608 JB 1H 332K-T [EUR-01]	B	73.1/118.1
	4030008650	S.CER C1608 JB 1H 332K-T [EUR-03]		
	4030008650	S.CER C1608 JB 1H 332K-T [FRG-03]		
	4030008650	S.CER C1608 JB 1H 332K-T [FRG-01]		
C455	4030007130	S.CER C1608 CH 1H 101J-T [EUR-01]	B	16.2/24.8
	4030007130	S.CER C1608 CH 1H 101J-T [EUR-03]		
	4030007130	S.CER C1608 CH 1H 101J-T [FRG-03]		
	4030007130	S.CER C1608 CH 1H 101J-T [FRG-01]		
C456	4030006860	S.CER C1608 JB 1H 102K-T [EUR-01]	B	17.2/26.7
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-01]		
C457	4030011810	S.CER C1608 JB 1A 224K-T [EUR-01]	T	58.3/97.9
	4030011810	S.CER C1608 JB 1A 224K-T [EUR-03]		
	4030011810	S.CER C1608 JB 1A 224K-T [FRG-03]		
	4030011810	S.CER C1608 JB 1A 224K-T [FRG-01]		
RL1	6330001640	REL ATX209		
RL2	6330001640	REL ATX209		
J1	6510022591	S.CON 22FMN-BMTTR-A-TBT(LF)(SN)	B	17.5/45.5
J2	6510022591	S.CON 22FMN-BMTTR-A-TBT(LF)(SN)	B	86.4/45.5
J3	6510022581	S.CON 24FMN-BMTTR-A-TBT(LF)(SN)	B	89.4/15.5
J4	6510022621	S.CON 10FMN-BMTTR-A-TBT(LF)(SN)	B	68.3/15.5
J5	6510018971	S.CON B4B-PH-SM4-TB(LF)(SN)	B	121.9/20
J6	6510022621	S.CON 10FMN-BMTTR-A-TBT(LF)(SN)	B	121.8/43.1
J7	6510018430	S.CON AXN330C038P	B	71.8/29.1
J8	6510018430	S.CON AXN330C038P	B	82.3/33.3
J9	6510020051	S.CON B11B-PH-SM4-TB(LF)(SN)	T	5.4/54
J10	6510018941	S.CON B13B-PH-SM4-TB(LF)(SN)	T	11.9/127
J11	6510018941	S.CON B13B-PH-SM4-TB(LF)(SN)	T	8.4/96
J12	6510021441	S.CON B6B-ZR-SM4-TF(LF)(SN)	B	106.9/45.1
J13	6510022191	S.CON B3B-PH-SM4-TB(LF)(SN)	T	73.4/148.5
J14	6510022191	S.CON B3B-PH-SM4-TB(LF)(SN)	T	37.9/46.5
J15	6510018961	S.CON B2B-PH-SM4-TB(LF)(SN)	T	65.4/21.5
J16	6510018961	S.CON B2B-PH-SM4-TB(LF)(SN)	T	32.9/30.5
F1	5210000031	FUS FGB 1A PBF (FGB0 125V)		
F2	5220000021	HOL S-N5051#02F		
F3	5220000021	HOL S-N5051#02F		
T1	5920000570	TRA 12T01		
T2	5920000570	TRA 12T01		
T5	5920000860	TRA PLA10AS1030R7R2		
T6	5920000570	TRA 12T01 [USA-01]		
	5920000570	TRA 12T01 [USA-03]		
	5910000971	TRA ATS-007R <ATE> [GEN-01]		
	5910000971	TRA ATS-007R <ATE> [GEN-02]		
	5910000971	TRA ATS-007R <ATE> [GEN-03]		
	5910000971	TRA ATS-007R <ATE> [GEN-05]		
	5910000971	TRA ATS-007R <ATE> [GEN-06]		
	5910000971	TRA ATS-007R <ATE> [GEN-07]		
	5910000971	TRA ATS-007R <ATE> [EUR-01]		
	5910000971	TRA ATS-007R <ATE> [EUR-03]		
	5910000971	TRA ATS-007R <ATE> [FRG-03]		
	5910000971	TRA ATS-007R <ATE> [FRG-01]		
	5910000971	TRA ATS-007R <ATE> [CHN-01]		
	5910000971	TRA ATS-007R <ATE> [CHN-02]		
	5910000971	TRA ATS-007R <ATE> [CHN-03]		

[LOGIC UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
T7	5920000570	TRA 12T01 [USA-01]		
	5920000570	TRA 12T01 [USA-03]		
	5910000971	TRA ATS-007R <ATE> [GEN-01]		
	5910000971	TRA ATS-007R <ATE> [GEN-02]		
	5910000971	TRA ATS-007R <ATE> [GEN-03]		
	5910000971	TRA ATS-007R <ATE> [GEN-05]		
	5910000971	TRA ATS-007R <ATE> [GEN-06]		
	5910000971	TRA ATS-007R <ATE> [GEN-07]		
	5910000971	TRA ATS-007R <ATE> [EUR-01]		
	5910000971	TRA ATS-007R <ATE> [EUR-03]		
	5910000971	TRA ATS-007R <ATE> [FRG-03]		
	5910000971	TRA ATS-007R <ATE> [FRG-01]		
	5910000971	TRA ATS-007R <ATE> [CHN-01]		
	5910000971	TRA ATS-007R <ATE> [CHN-02]		
	5910000971	TRA ATS-007R <ATE> [CHN-03]		
T8	5920000570	TRA 12T01 [USA-01]		
	5920000570	TRA 12T01 [USA-03]		
	5910000971	TRA ATS-007R <ATE> [GEN-01]		
	5910000971	TRA ATS-007R <ATE> [GEN-02]		
	5910000971	TRA ATS-007R <ATE> [GEN-03]		
	5910000971	TRA ATS-007R <ATE> [GEN-05]		
	5910000971	TRA ATS-007R <ATE> [GEN-06]		
	5910000971	TRA ATS-007R <ATE> [GEN-07]		
	5910000971	TRA ATS-007R <ATE> [EUR-01]		
	5910000971	TRA ATS-007R <ATE> [EUR-03]		
	5910000971	TRA ATS-007R <ATE> [FRG-03]		
	5910000971	TRA ATS-007R <ATE> [FRG-01]		
	5910000971	TRA ATS-007R <ATE> [CHN-01]		
	5910000971	TRA ATS-007R <ATE> [CHN-02]		
	5910000971	TRA ATS-007R <ATE> [CHN-03]		
W3	8900015930	CAB OPC-886A (P1,N10,L75) <TJM>		
W4	8900009231	CAB OPC-908A (P1,N10,L60) <TJM>		
W5	8900008741	CAB OPC-867A (P1,N24,L60) <TJM>		
W10	8900009271	CAB OPC-912A (P1,N22,L70) <TJM>		
W11	8900009271	CAB OPC-912A (P1,N22,L70) <TJM>		
EP2	6910014900	BEA FRC-50-12-6.5		
EP3	6910014890	E.O FRC-WC1		
EP4	6910015390	BEA FRC27-12-1.3 [EUR-01]		
	6910015390	BEA FRC27-12-1.3 [EUR-03]		
	6910015390	BEA FRC27-12-1.3 [FRG-03]		
	6910015390	BEA FRC27-12-1.3 [FRG-01]		
EP5	6910015390	BEA FRC27-12-1.3 [EUR-01]		
	6910015390	BEA FRC27-12-1.3 [EUR-03]		
	6910015390	BEA FRC27-12-1.3 [FRG-03]		
	6910015390	BEA FRC27-12-1.3 [FRG-01]		
EP6	6910014890	E.O FRC-WC1 [EUR-01]		
	6910014890	E.O FRC-WC1 [EUR-03]		
	6910014890	E.O FRC-WC1 [FRG-03]		
	6910014890	E.O FRC-WC1 [FRG-01]		
EP7	6910014890	E.O FRC-WC1 [EUR-01]		
	6910014890	E.O FRC-WC1 [EUR-03]		
	6910014890	E.O FRC-WC1 [FRG-03]		
	6910014890	E.O FRC-WC1 [FRG-01]		

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

[JACK1 UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
L1	6200009940	S.COI BLM21PG221SN1	T	32.9/27
L2	6200009940	S.COI BLM21PG221SN1	T	34.7/27
L3	6200009940	S.COI BLM21PG221SN1	T	31.1/27
L4	6200009940	S.COI BLM21PG221SN1	T	36.4/27
L5	6200009940	S.COI BLM21PG221SN1	T	43.7/27
L6	6200009940	S.COI BLM21PG221SN1	T	38.3/27
L7	6200009940	S.COI BLM21PG221SN1	T	41.9/27
L8	6200009940	S.COI BLM21PG221SN1	T	40.1/27
R1	7540000211	S.ABS KU15N14-5063	T	44.9/14.6
R2	7540000211	S.ABS KU15N14-5063	T	43.1/21.4
R3	7540000211	S.ABS KU15N14-5063	T	38.8/21.3
R4	7540000211	S.ABS KU15N14-5063	T	47.4/23.5
R5	7540000211	S.ABS KU15N14-5063	T	35.7/14.5
R6	7540000211	S.ABS KU15N14-5063	T	30.2/21.3
R7	7540000211	S.ABS KU15N14-5063	T	34.5/21.3
R8	7540000211	S.ABS KU15N14-5063	T	30.5/14.4
R9	7540000211	S.ABS KU15N14-5063	T	20/23
R10	7540000211	S.ABS KU15N14-5063	T	15.7/23
C1	4030007170	S.CER C1608 CH 1H 221J-T	B	40.3/27
C2	4030007170	S.CER C1608 CH 1H 221J-T	B	42.1/27
C3	4030007170	S.CER C1608 CH 1H 221J-T	B	38.5/27
C4	4030007170	S.CER C1608 CH 1H 221J-T	B	45/28.1
C5	4030007170	S.CER C1608 CH 1H 221J-T	B	36.3/27
C6	4030007170	S.CER C1608 CH 1H 221J-T	B	30.9/27
C7	4030007170	S.CER C1608 CH 1H 221J-T	B	34.5/27
C8	4030007170	S.CER C1608 CH 1H 221J-T	B	32.7/27
C9	4030007170	S.CER C1608 CH 1H 221J-T	B	20/24.4
C10	4030007170	S.CER C1608 CH 1H 221J-T	B	16.3/25.5
C11	4030007090	S.CER C1608 CH 1H 470J-T [EUR-01]	T	21.2/11.1
	4030007090	S.CER C1608 CH 1H 470J-T [EUR-03]		
	4030007090	S.CER C1608 CH 1H 470J-T [FRG-03]		
	4030007090	S.CER C1608 CH 1H 470J-T [FRG-01]		
C12	4030007090	S.CER C1608 CH 1H 470J-T [EUR-01]	B	14.9/25.5
	4030007090	S.CER C1608 CH 1H 470J-T [EUR-03]		
	4030007090	S.CER C1608 CH 1H 470J-T [FRG-03]		
	4030007090	S.CER C1608 CH 1H 470J-T [FRG-01]		
C13	4030007090	S.CER C1608 CH 1H 470J-T [EUR-01]	B	15.9/38.1
	4030007090	S.CER C1608 CH 1H 470J-T [EUR-03]		
	4030007090	S.CER C1608 CH 1H 470J-T [FRG-03]		
C14	4030006860	S.CER C1608 JB 1H 102K-T [EUR-01]	B	15.9/36.8
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-01]		
J1	6450001650	CON HSJ0836-01-500		
J2	6510016171	CON 52018-8836		
J3	6510022731	S.CON S13B-PH-SM4-TB(LF)(SN)	T	35.1/4.5

[JACK2 UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
D1	1750000931	S.DIO NNCD8.2C-T1-A	T	39.3/25.2
D2	1750000931	S.DIO NNCD8.2C-T1-A	T	37.1/25.2
D3	1750000931	S.DIO NNCD8.2C-T1-A	T	34.9/25.2
D4	1750000931	S.DIO NNCD8.2C-T1-A	T	32.7/25.2
D5	1750000931	S.DIO NNCD8.2C-T1-A	T	30.9/25.2
D6	1750000931	S.DIO NNCD8.2C-T1-A	T	29/25.2
D11	1750000931	S.DIO NNCD8.2C-T1-A	B	26.5/25.5
D12	1750000931	S.DIO NNCD8.2C-T1-A	B	25.2/21.9
D13	1750000931	S.DIO NNCD8.2C-T1-A	B	23.7/25.5
D14	1750000931	S.DIO NNCD8.2C-T1-A	B	22.4/21.9
D15	1750000931	S.DIO NNCD8.2C-T1-A	B	20.9/25.5
D16	1750000931	S.DIO NNCD8.2C-T1-A	B	19.6/21.9
D17	1750000931	S.DIO NNCD8.2C-T1-A	B	18.1/25.5
D18	1750000931	S.DIO NNCD8.2C-T1-A	B	16.8/21.9
D19	1750000931	S.DIO NNCD8.2C-T1-A	B	15.3/25.5
D20	1750000931	S.DIO NNCD8.2C-T1-A	B	14/21.9
D21	1750000931	S.DIO NNCD8.2C-T1-A	B	12.4/25.5
D22	1750000931	S.DIO NNCD8.2C-T1-A	B	11/21.9
D23	1750000931	S.DIO NNCD8.2C-T1-A	B	9.6/25.5
L1	6200009940	S.COI BLM21PG221SN1	B	39.6/25.7
L2	6200009940	S.COI BLM21PG221SN1	B	37.4/25.7
L3	6200009940	S.COI BLM21PG221SN1	B	35.2/25.7
L4	6200009940	S.COI BLM21PG221SN1	B	33/25.7
L5	6200009940	S.COI BLM21PG221SN1	B	30.8/25.7
L6	6200009940	S.COI BLM21PG221SN1	B	28.8/25.7
L11	6200009940	S.COI BLM21PG221SN1	T	26.6/25.3
L12	6200009940	S.COI BLM21PG221SN1	T	25.3/22.1
L13	6200009940	S.COI BLM21PG221SN1	T	23.8/25.4
L14	6200009940	S.COI BLM21PG221SN1	T	22.5/22.1
L15	6200009940	S.COI BLM21PG221SN1	T	21/25.4
L16	6200009940	S.COI BLM21PG221SN1	T	19.7/22.1
L17	6200009940	S.COI BLM21PG221SN1	T	18.3/25.4
L18	6200009940	S.COI BLM21PG221SN1	T	16.9/22.1
L19	6200009940	S.COI BLM21PG221SN1	T	15.6/25.4
L20	6200009940	S.COI BLM21PG221SN1	T	14/22.1
L21	6200009940	S.COI BLM21PG221SN1	T	12.7/25.4
L22	6200009940	S.COI BLM21PG221SN1	T	11.2/22.1
L23	6200009940	S.COI BLM21PG221SN1	T	9.9/25.4
C1	4030007090	S.CER C1608 CH 1H 470J-T	T	39.4/21.4
C2	4030007090	S.CER C1608 CH 1H 470J-T	T	37.2/21.4
C3	4030007090	S.CER C1608 CH 1H 470J-T	T	35/21.4
C4	4030007090	S.CER C1608 CH 1H 470J-T	T	32.8/21.4
C5	4030007090	S.CER C1608 CH 1H 470J-T	T	30.8/21.4
C6	4030007170	S.CER C1608 CH 1H 221J-T	T	28.9/21.4
C8	4030007170	S.CER C1608 CH 1H 221J-T	T	43.2/25.4
C11	4030007170	S.CER C1608 CH 1H 221J-T	B	26.6/21
C12	4030007170	S.CER C1608 CH 1H 221J-T	B	24.5/18.4
C13	4030007170	S.CER C1608 CH 1H 221J-T	B	23.8/21
C14	4030007170	S.CER C1608 CH 1H 221J-T	B	22.3/17.5
C15	4030007170	S.CER C1608 CH 1H 221J-T	B	21/21
C16	4030007170	S.CER C1608 CH 1H 221J-T	B	19.5/17.5
C17	4030007170	S.CER C1608 CH 1H 221J-T	B	18.2/20.9
C18	4030007170	S.CER C1608 CH 1H 221J-T	B	16.7/17.5
C19	4030007170	S.CER C1608 CH 1H 221J-T	B	15.4/21
C20	4030007170	S.CER C1608 CH 1H 221J-T	B	13.9/17.5
C21	4030007170	S.CER C1608 CH 1H 221J-T	B	12.6/21
C22	4030007170	S.CER C1608 CH 1H 221J-T	B	11.1/17.5
C23	4030007170	S.CER C1608 CH 1H 221J-T	B	7.6/23.1
J1	6510025600	CON DR-25S (D-SUB25PIN) <VKH>		
J2	6510022731	S.CON S13B-PH-SM4-TB(LF)(SN)	T	16.7/4.5
J3	6510022731	S.CON S13B-PH-SM4-TB(LF)(SN)	B	20.1/4.5

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

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R26	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [USA-01]	B	92.8/19
	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K) [USA-03]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [GEN-01]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [GEN-02]		
	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K) [GEN-03]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [GEN-05]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [GEN-06]		
	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K) [GEN-07]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [EUR-01]		
	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K) [EUR-03]		
	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K) [FRG-03]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [FRG-01]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [CHN-01]		
	7030003560	S.RES ERJ3GGEYJ 103 V (10K) [CHN-02]		
	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K) [CHN-03]		
R35	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	T	102.6/21.4
R36	7030003420	S.RES ERJ3GGEYJ 681 V (680)	T	100.8/14.3
R37	7030003330	S.RES ERJ3GGEYJ 121 V (120)	T	108.3/18.1
R39	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	B	79.2/8.2
R40	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	78.7/14
R41	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	70.5/14.3
R42	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	79.5/21.2
R43	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	72.2/19
R44	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	B	72.5/7.6
R45	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	79.8/25.4
R48	7030003280	S.RES ERJ3GGEYJ 470 V (47)	T	78.7/6.9
R49	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	84.9/16.2
R50	7030003640	S.RES ERJ3GGEYJ 473 V (47K)	B	74/8.8
R52	7030003640	S.RES ERJ3GGEYJ 473 V (47K)	B	68.3/10.6
R53	7030003680	S.RES ERJ3GGEYJ 104 V (100K)	B	67.4/8.4
R54	7030003780	S.RES ERJ3GGEYJ 684 V (680K)	T	85.9/10.8
R55	7030003600	S.RES ERJ3GGEYJ 223 V (22K)	T	84.7/10.8
R56	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	T	85/12.8
R57	7510001671	S.THR NTCG16 4BH 103JT	T	85/14.1
R58	7030003500	S.RES ERJ3GGEYJ 332 V (3.3K)	T	88.2/9.7
R60	7030003680	S.RES ERJ3GGEYJ 104 V (100K)	T	88.4/13.5
R61	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	T	93.8/7.4
R62	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	T	88.3/5.4
R63	7030003440	S.RES ERJ3GGEYJ 102 V (1K)	B	86.1/6.3
R64	7030003230	S.RES ERJ3GGEYJ 180 V (18)	B	54.4/39.5
R65	7030003230	S.RES ERJ3GGEYJ 180 V (18)	B	58.9/41
R66	7030003230	S.RES ERJ3GGEYJ 180 V (18)	B	51.5/38.1
R67	7030003280	S.RES ERJ3GGEYJ 470 V (47)	T	60.9/18.8
R68	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	B	70.4/41.2
R69	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	B	73.1/40.4
R70	7030003300	S.RES ERJ3GGEYJ 680 V (68)	B	72.3/42.8
R71	7030003320	S.RES ERJ3GGEYJ 101 V (100)	B	80.4/42.9
R72	7030000140	S.RES MCR10EZHJ 10 (100)	B	76.4/47.2
R73	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	B	78.9/48.4
R74	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	B	78.9/46.8
R75	7030003300	S.RES ERJ3GGEYJ 680 V (68)	B	74.4/51.6
R76	7030003340	S.RES ERJ3GGEYJ 151 V (150)	B	72.5/56.3
R77	7030006060	S.RES ERJ12YJ100U (10)	B	69.2/48.1
R81	7030003320	S.RES ERJ3GGEYJ 101 V (100) [USA-01]	B	82.5/62.9
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [USA-03]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-01]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-02]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-03]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-05]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-06]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-07]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [EUR-01]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [EUR-03]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [FRG-03]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [FRG-01]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [CHN-01]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [CHN-02]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [CHN-03]		
R84	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	54.6/68.7
R85	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	60.5/68.1
R86	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	51.6/68
R87	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	B	51.9/72.2
R88	7030003280	S.RES ERJ3GGEYJ 470 V (47)	B	61.7/70.4
R92	7030003200	S.RES ERJ3GGEYJ 100 V (10)	T	29.4/35.8
R93	7030003280	S.RES ERJ3GGEYJ 470 V (47)	T	30.1/39.4
R112	7030003440	S.RES ERJ3GGEYJ 102 V (1K)	B	54.2/71.4
R115	7030003320	S.RES ERJ3GGEYJ 101 V (100)	B	36/38
R116	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	B	42.5/36.7
R117	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	B	44/38.2
R118	7030003200	S.RES ERJ3GGEYJ 100 V (10)	B	40.3/38.8
R119	7030003300	S.RES ERJ3GGEYJ 680 V (68)	B	42.2/33.1
R120	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	B	54.8/16
R121	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	B	54/13.7
R122	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	45.9/13.1
R123	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	48.5/14
R126	7030003680	S.RES ERJ3GGEYJ 104 V (100K)	B	55.6/74.3
R127	7030003680	S.RES ERJ3GGEYJ 104 V (100K)	B	76.6/73.2
R134	7030003800	S.RES ERJ3GGEYJ 105 V (1M)	B	42.4/22.5
R135	7030003320	S.RES ERJ3GGEYJ 101 V (100)	T	31.4/25.3
R136	7030003300	S.RES ERJ3GGEYJ 680 V (68) [USA-01]	B	81.7/65.1
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [USA-03]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [GEN-01]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [GEN-02]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [GEN-03]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [GEN-05]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [GEN-06]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [GEN-07]		
	7030003260	S.RES ERJ3GGEYJ 330 V (33) [EUR-01]		
	7030003260	S.RES ERJ3GGEYJ 330 V (33) [FRG-03]		
	7030003260	S.RES ERJ3GGEYJ 330 V (33) [FRG-01]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [CHN-01]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [CHN-02]		
	7030003300	S.RES ERJ3GGEYJ 680 V (68) [CHN-03]		

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R137	7030003320	S.RES ERJ3GGEYJ 101 V (100) [USA-01]	B	84.1/63
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [USA-03]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-01]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-02]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-03]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-05]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-06]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [GEN-07]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [EUR-01]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [EUR-03]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [FRG-03]		
	7030003350	S.RES ERJ3GGEYJ 181 V (180) [FRG-01]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [CHN-01]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [CHN-02]		
	7030003320	S.RES ERJ3GGEYJ 101 V (100) [CHN-03]		
R138	7030003600	S.RES ERJ3GGEYJ 223 V (22K)	B	38.3/26.1
R139	7030003600	S.RES ERJ3GGEYJ 223 V (22K)	B	35.2/27.1
R140	7030003500	S.RES ERJ3GGEYJ 332 V (3.3K)	B	35.2/28.7
R148	7030003480	S.RES ERJ3GGEYJ 222 V (2.2K)	B	32.4/27.9
R149	7030003200	S.RES ERJ3GGEYJ 100 V (10)	T	100.7/23
R153	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [USA-01]	T	84.2/8.2
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [USA-03]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [GEN-01]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [GEN-02]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [GEN-03]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [GEN-05]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [GEN-06]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [GEN-07]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [EUR-01]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [EUR-03]		
	7030003500	S.RES ERJ3GGEYJ 332 V (3.3K) [FRG-03]		
	7030003500	S.RES ERJ3GGEYJ 332 V (3.3K) [FRG-01]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [CHN-01]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [CHN-02]		
	7030003470	S.RES ERJ3GGEYJ 182 V (1.8K) [CHN-03]		
R155	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	T	74.4/9.1
R156	7030003620	S.RES ERJ3GGEYJ 333 V (33K)	T	29.6/32.6
R157	7030003680	S.RES ERJ3GGEYJ 104 V (100K)	T	27.5/35.9
R158	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	T	23.3/38
R159	7030003440	S.RES ERJ3GGEYJ 102 V (1K)	T	22.2/36.1
R160	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	T	20.7/32.3
R163	7030003340	S.RES ERJ3GGEYJ 151 V (150)	B	33.4/75.5
R164	7030003270	S.RES ERJ3GGEYJ 390 V (39)	B	30.2/74.7
R165	7030003340	S.RES ERJ3GGEYJ 151 V (150)	B	32.2/74
R166	7030003280	S.RES ERJ3GGEYJ 470 V (47)	T	29.3/37.1
R167	7030003750	S.RES ERJ3GGEYJ 394 V (390K)	T	66.8/7.3
R168	7030003640	S.RES ERJ3GGEYJ 473 V (47K)	T	30.8/34.5
R169	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	T	25.4/48.9
R170	7030003520	S.RES ERJ3GGEYJ 472 V (4.7K)	T	23.3/47.4
R171	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	27.5/11.1
R172	7030003640	S.RES ERJ3GGEYJ 473 V (47K)	B	24.7/10.3
R173	7030003620	S.RES ERJ3GGEYJ 333 V (33K)	T	64.3/9.2
R174	7030003680	S.RES ERJ3GGEYJ 104 V (100K)	T	62.4/9.9
R175	7030003530	S.RES ERJ3GGEYJ 562 V (5.6K)	T	64.6/7.3
R176	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	B	61/5.7
R177	7030003560	S.RES ERJ3GGEYJ 103 V (10K)	T	90/3.5
R178	7030003320	S.RES ERJ3GGEYJ 101 V (100)	B	63.3/8.6
R179	7030003790	S.RES ERJ3GGEYJ 824 V (820K)	B	64.1/7.3
R180	7030003770	S.RES ERJ3GGEYJ 564 V (560K)	B	63.3/4.9
R181	7540000250	ABS SA05C 401N		
R182	7030003200	S.RES ERJ3GGEYJ 100 V (10)	B	103.4/61.5
R183	7030003530	S.RES ERJ3GGEYJ 562 V (5.6K)	T	23.9/29.1
R184	7030003530	S.RES ERJ3GGEYJ 562 V (5.6K)	T	26.5/29.1
R185	7030003530	S.RES ERJ3GGEYJ 562 V (5.6K)	T	25.2/29.1
R186	7030003200	S.RES ERJ3GGEYJ 100 V (10)	T	105.

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION		
C11	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [USA-01]	T	45.5/81.1		
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [USA-03]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [GEN-01]				
	4610001920	S.TRI TZX3Z060A110R00 (TZX03Z060A110) [GEN-02]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [GEN-03]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [GEN-05]				
	4610001920	S.TRI TZX3Z060A110R00 (TZX03Z060A110) [GEN-06]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [GEN-07]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [EUR-01]				
	4610001920	S.TRI TZX3Z060A110R00 (TZX03Z060A110) [EUR-03]				
	4610001920	S.TRI TZX3Z060A110R00 (TZX03Z060A110) [FRG-03]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [FRG-01]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [CHN-01]				
	4610001920	S.TRI TZX3Z060A110R00 (TZX03Z060A110) [CHN-02]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [CHN-03]				
	C12	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [USA-01]		T	52.1/77.5
		4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [USA-03]			
		4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-01]			
		4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [GEN-02]			
		4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-03]			
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-05]				
4610001590		S.TRI TZX3R100A110R00 (TZX03R100A110) [GEN-06]				
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-07]				
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [EUR-01]				
4610001590		S.TRI TZX3R100A110R00 (TZX03R100A110) [EUR-03]				
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [FRG-03]				
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [FRG-01]				
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [CHN-01]				
4610001590		S.TRI TZX3R100A110R00 (TZX03R100A110) [CHN-02]				
4610001970		S.TRI TZX3P200A110R00 (TZX03P200A1102) [CHN-03]				
C13		4030006860	S.CER C1608 JB 1H 102K-T	T	61.7/80.8	
C14		4030007000	S.CER C1608 CH 1H 090D-T	T	63.1/77	
C18		4030006860	S.CER C1608 JB 1H 102K-T	T	67.4/75.6	
C19		4030006860	S.CER C1608 JB 1H 102K-T	B	66.6/81.1	
C20		4030007100	S.CER C1608 CH 1H 560J-T	T	72.7/80.3	
C21	4030009910	S.CER C1608 CH 1H 040B-T	T	75.7/81.6		
C22	4030009910	S.CER C1608 CH 1H 040B-T	T	82.2/82.2		
C23	4030009920	S.CER C1608 CH 1H 050B-T [USA-03]	T	73.4/78.4		
	4030009920	S.CER C1608 CH 1H 050B-T [GEN-03]				
	4030009920	S.CER C1608 CH 1H 050B-T [GEN-07]				
	4030009920	S.CER C1608 CH 1H 050B-T [EUR-03]				
	4030009920	S.CER C1608 CH 1H 050B-T [FRG-03]				
	4030009920	S.CER C1608 CH 1H 050B-T [CHN-03]				
C24	4030009910	S.CER C1608 CH 1H 040B-T [USA-01]	T	74.9/79.7		
	4030009910	S.CER C1608 CH 1H 040B-T [USA-03]				
	4030009910	S.CER C1608 CH 1H 040B-T [GEN-01]				
	4030011770	S.CER C1608 CH 1H 060B-T [GEN-02]				
	4030009910	S.CER C1608 CH 1H 040B-T [GEN-03]				
	4030009910	S.CER C1608 CH 1H 040B-T [GEN-05]				
	4030011770	S.CER C1608 CH 1H 060B-T [GEN-06]				
	4030009910	S.CER C1608 CH 1H 040B-T [GEN-07]				
	4030009910	S.CER C1608 CH 1H 040B-T [EUR-01]				
	4030006990	S.CER C1608 CH 1H 080D-T [EUR-03]				
	4030006990	S.CER C1608 CH 1H 080D-T [FRG-03]				
	4030009910	S.CER C1608 CH 1H 040B-T [FRG-01]				
	4030009910	S.CER C1608 CH 1H 040B-T [CHN-01]				
4030011770	S.CER C1608 CH 1H 060B-T [CHN-02]					
4030009910	S.CER C1608 CH 1H 040B-T [CHN-03]					
C26	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110)	T	87.3/80.8		
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110)	T	72.6/75.1		

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION		
C28	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [USA-01]	T	78.4/80.5		
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [USA-03]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-01]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-02]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-03]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-05]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-06]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [GEN-07]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [EUR-01]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [EUR-03]				
	4610001590	S.TRI TZX3R100A110R00 (TZX03R100A110) [FRG-03]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [FRG-01]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [CHN-01]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [CHN-02]				
	4610001970	S.TRI TZX3P200A110R00 (TZX03P200A1102) [CHN-03]				
	C29	4030006860	S.CER C1608 JB 1H 102K-T		B	78.7/71.6
	C30	4030009910	S.CER C1608 CH 1H 040B-T [USA-01]		T	83.5/82.2
		4030009910	S.CER C1608 CH 1H 040B-T [USA-03]			
		4030009910	S.CER C1608 CH 1H 040B-T [GEN-01]			
		4030009910	S.CER C1608 CH 1H 040B-T [GEN-02]			
4030009910		S.CER C1608 CH 1H 040B-T [GEN-03]				
4030009910		S.CER C1608 CH 1H 040B-T [GEN-05]				
4030009910		S.CER C1608 CH 1H 040B-T [GEN-06]				
4030009910		S.CER C1608 CH 1H 040B-T [GEN-07]				
4030009910		S.CER C1608 CH 1H 040B-T [EUR-01]				
4030006990		S.CER C1608 CH 1H 080D-T [EUR-03]				
4030006990		S.CER C1608 CH 1H 080D-T [FRG-03]				
4030009910		S.CER C1608 CH 1H 040B-T [FRG-01]				
4030009910		S.CER C1608 CH 1H 040B-T [CHN-01]				
4030009910		S.CER C1608 CH 1H 040B-T [CHN-02]				
4030009910		S.CER C1608 CH 1H 040B-T [CHN-03]				
C31		4030006860	S.CER C1608 JB 1H 102K-T	B	90.6/81.1	
C32		4030006860	S.CER C1608 JB 1H 102K-T	B	99.2/80	
C33		4030006860	S.CER C1608 JB 1H 102K-T	B	102.2/75.3	
C34		4030006860	S.CER C1608 JB 1H 102K-T	T	101.3/71.2	
C35		4030006860	S.CER C1608 JB 1H 102K-T	T	104/73.8	
C39		4030006860	S.CER C1608 JB 1H 102K-T	B	105.7/60.6	
C40		4030006860	S.CER C1608 JB 1H 102K-T	B	104.6/55.9	
C41		4030006860	S.CER C1608 JB 1H 102K-T	T	103.7/48.1	
C42	4030006860	S.CER C1608 JB 1H 102K-T	B	101.1/60.6		
C43	4030006860	S.CER C1608 JB 1H 102K-T	B	99.3/54.5		
C44	4030006900	S.CER C1608 JB 1H 103K-T	B	92.8/53.7		
C46	4030007040	S.CER C1608 CH 1H 180J-T	T	104.2/43		
C47	4030007040	S.CER C1608 CH 1H 180J-T [USA-01]	T	108.7/37.3		
	4030007040	S.CER C1608 CH 1H 180J-T [USA-03]				
	4030007040	S.CER C1608 CH 1H 180J-T [GEN-01]				
	4030007040	S.CER C1608 CH 1H 180J-T [GEN-02]				
	4030007040	S.CER C1608 CH 1H 180J-T [GEN-03]				
	4030007040	S.CER C1608 CH 1H 180J-T [GEN-05]				
	4030007040	S.CER C1608 CH 1H 180J-T [GEN-06]				
	4030007040	S.CER C1608 CH 1H 180J-T [GEN-07]				
	4030007030	S.CER C1608 CH 1H 150J-T [EUR-01]				
	4030007030	S.CER C1608 CH 1H 150J-T [EUR-03]				
	4030007030	S.CER C1608 CH 1H 150J-T [FRG-01]				
	4030007040	S.CER C1608 CH 1H 180J-T [CHN-01]				
	4030007040	S.CER C1608 CH 1H 180J-T [CHN-02]				
	4030007040	S.CER C1608 CH 1H 180J-T [CHN-03]				
C48	4030006860	S.CER C1608 JB 1H 102K-T	T	103.4/23.4		
C50	4510008540	S.ELE EEE1CA100SR	T	29.8/22.2		
C51	4030006860	S.CER C1608 JB 1H 102K-T	T	31.7/18.8		
C52	4030006860	S.CER C1608 JB 1H 102K-T	T	35/31.8		
C53	4510008540	S.ELE EEE1CA100SR	T	35.7/28.7		
C55	4030007010	S.CER C1608 CH 1H 100D-T	T	101.6/11.5		
C56	4030006860	S.CER C1608 JB 1H 102K-T	T	104.9/16.2		
C57	4510008520	S.ELE EEE1CA470SP	T	39.8/7.8		
C58	4030006860	S.CER C1608 JB 1H 102K-T	T	44/5.4		
C59	4030006860	S.CER C1608 JB 1H 102K-T	T	49.1/11.4		
C60	4510008520	S.ELE EEE1CA470SP	T	52.5/7.5		
C62	4030007120	S.CER C1608 CH 1H 820J-T	T	90/6.2		
C64	4030006860	S.CER C1608 JB 1H 102K-T	B	87.4/7		
C65	4030006860	S.CER C1608 JB 1H 102K-T	T	91.9/2.7		
C67	4510008540	S.ELE EEE1CA100SR	T	98.1/3.5		
C68	4550000460	S.TAN TEESVA 1C 105M8R	B	96.2/8.7		
C69	4030006860	S.CER C1608 JB 1H 102K-T	B	95/10.6		
C70	4030011600	S.CER C1608 JB 1E 104K-T	B	88.7/12.8		
C71	4030007160	S.CER C1608 CH 1H 181J-T	T	87.8/11.6		
C72	4030007160	S.CER C1608 CH 1H 181J-T	T	87.1/13.5		
C73	4030011600	S.CER C1608 JB 1E 104K-T	B	82.1/24.6		
C74	4030011600	S.CER C1608 JB 1E 104K-T	B	77.2/20.5		
C75	4030011600	S.CER C1608 JB 1E 104K-T	B	69.8/15.6		
C76	4030011600	S.CER C1608 JB 1E 104K-T	B	81.2/9		
C77	4030011600	S.CER C1608 JB 1E 104K-T	B	70.5/16.9		
C78	4030011600	S.CER C1608 JB 1E 104K-T	B	85.6/14.3		
C79	4030007010	S.CER C1608 CH 1H 100D-T	T	24.1/32.3		
C80	4030007010	S.CER C1608 CH 1H 100D-T	T	24.1/31		
C81	4030007010	S.CER C1608 CH 1H 100D-T	T	28.3/29.9		
C82	4030006860	S.CER C1608 JB 1H 102K-T	T	32.8/34.1		
C83	4510008540	S.ELE EEE1CA100SR	T	35.9/36.2		
C84	4030007130	S.CER C1608 CH 1H 101J-T	B	37.5/34.3		

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

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C85	4030006860	S.CER C1608 JB 1H 102K-T	T	31.4/38.4
C86	4030006860	S.CER C1608 JB 1H 102K-T	T	30.3/50
C87	4510008540	S.ELE EEE1CA100SR	T	33.4/47.6
C102	4510008520	S.ELE EEE1CA470SP	T	57.5/14.7
C103	4030006860	S.CER C1608 JB 1H 102K-T	T	59/19.5
C104	4030007130	S.CER C1608 CH 1H 101J-T	B	67.5/40.9
C105	4030006860	S.CER C1608 JB 1H 102K-T	B	73.1/44.1
C106	4030006860	S.CER C1608 JB 1H 102K-T	B	76.2/44.5
C108	4030006860	S.CER C1608 JB 1H 102K-T	B	74.4/50
C109	4030006860	S.CER C1608 JB 1H 102K-T	B	72/50.6
C110	4030006860	S.CER C1608 JB 1H 102K-T	B	72.4/60.8
C112	4030007050	S.CER C1608 CH 1H 220J-T	B	75.8/64.3
C113	4030007050	S.CER C1608 CH 1H 220J-T	B	77.4/61.9
C114	4030007020	S.CER C1608 CH 1H 120J-T	B	81.7/60.8
C115	4030006860	S.CER C1608 JB 1H 102K-T	B	81/62.9
C116	4030006860	S.CER C1608 JB 1H 102K-T	B	88.5/65.7
C117	4030006860	S.CER C1608 JB 1H 102K-T	B	90.9/68.3
C118	4030006860	S.CER C1608 JB 1H 102K-T	B	55/28.2
C119	4030006860	S.CER C1608 JB 1H 102K-T	B	52.3/69.3
C120	4030006860	S.CER C1608 JB 1H 102K-T	B	59.8/71.1
C121	4030006860	S.CER C1608 JB 1H 102K-T	B	51.9/70.7
C122	4030006860	S.CER C1608 JB 1H 102K-T	B	51.5/74.3
C123	4030006980	S.CER C1608 CH 1H 070D-T	B	67.7/38.6
C124	4030009910	S.CER C1608 CH 1H 040B-T	B	82/42.9
C126	4030011770	S.CER C1608 CH 1H 060B-T	B	75.2/55.4
C131	4030006900	S.CER C1608 JB 1H 103K-T	B	91.5/17
C132	4030007070	S.CER C1608 CH 1H 330J-T	B	94.6/17
C133	4030006860	S.CER C1608 JB 1H 102K-T	B	98.4/19.7
C134	4030007130	S.CER C1608 CH 1H 101J-T	B	50/36.8
C135	4030006980	S.CER C1608 CH 1H 070D-T	B	49.3/34.8
C137	4030006860	S.CER C1608 JB 1H 102K-T	B	40.9/32.4
C138	4030006860	S.CER C1608 JB 1H 102K-T	B	34/38.8
C140	4510008520	S.ELE EEE1CA470SP	T	64.6/14.7
C141	4030006860	S.CER C1608 JB 1H 102K-T	T	66.4/19.5
C142	4030006860	S.CER C1608 JB 1H 102K-T	T	56.3/71.9
C143	4030006860	S.CER C1608 JB 1H 102K-T	T	98.7/18.1
C146	4510008540	S.ELE EEE1CA100SR	T	95.8/56.6
C151	4030007010	S.CER C1608 CH 1H 100D-T	T	89.2/17.7
C152	4030006850	S.CER C1608 JB 1H 471K-T	T	68.7/75.6
C153	4030009920	S.CER C1608 CH 1H 050B-T	B	93/80.3
C158	4030006860	S.CER C1608 JB 1H 102K-T	B	75.9/70.9
C159	4030006860	S.CER C1608 JB 1H 102K-T	T	28.7/25.3
C165	4030006900	S.CER C1608 JB 1H 103K-T	B	40.6/26.8
C166	4030008880	S.CER C1608 JB 1H 223K-T	B	38.3/27.7
C167	4550002980	S.TAN TEESVA 1C 225M8R	B	39.5/29.5
C173	4550006250	S.TAN TEESVA 1A 106M8R	T	55.8/2
C175	4550006350	S.TAN TEESVB2 1A 226M8R	B	97.1/5.8
C177	4030011600	S.CER C1608 JB 1E 104K-T	T	77.4/8.4
C180	4030006900	S.CER C1608 JB 1H 103K-T	T	28.3/32.7
C181	4030011600	S.CER C1608 JB 1E 104K-T	T	24.6/38.4
C182	4030011770	S.CER C1608 CH 1H 060B-T	T	101.5/52
C183	4030007130	S.CER C1608 CH 1H 101J-T	T	65.7/69
C184	4030007020	S.CER C1608 CH 1H 120J-T	B	73.1/63
C186	4030007130	S.CER C1608 CH 1H 101J-T	B	70/44.1
C187	4030007130	S.CER C1608 CH 1H 101J-T	B	71.9/52.8
C188	4030007130	S.CER C1608 CH 1H 101J-T	B	72.7/48.1
C191	4030007010	S.CER C1608 CH 1H 100D-T	T	103.5/32.2
	4030007010	S.CER C1608 CH 1H 100D-T	[USA-01]	
	4030007010	S.CER C1608 CH 1H 100D-T	[USA-03]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-01]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-02]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-03]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-05]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-06]	
	4030007010	S.CER C1608 CH 1H 100D-T	[GEN-07]	
	4030007030	S.CER C1608 CH 1H 150J-T	[EUR-01]	
	4030007030	S.CER C1608 CH 1H 150J-T	[EUR-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[FRG-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[FRG-01]	
	4030007010	S.CER C1608 CH 1H 100D-T	[CHN-01]	
	4030007010	S.CER C1608 CH 1H 100D-T	[CHN-02]	
	4030007010	S.CER C1608 CH 1H 100D-T	[CHN-03]	
C192	4030009920	S.CER C1608 CH 1H 050B-T	T	105/29
C193	4030011600	S.CER C1608 JB 1E 104K-T	T	80.2/5.9
C194	4030006860	S.CER C1608 JB 1H 102K-T	T	20.7/29.9
C195	4030006860	S.CER C1608 JB 1H 102K-T	B	23.1/10.3
C196	4550000530	S.TAN TEESVA 1V 104M8R	B	20/12.5
C199	4030006860	S.CER C1608 JB 1H 102K-T	T	57.8/6.2
C200	4030006860	S.CER C1608 JB 1H 102K-T	T	57.2/4.1
C201	4550006250	S.TAN TEESVA 1A 106M8R	B	66.9/5.5
C202	4030006860	S.CER C1608 JB 1H 102K-T	T	88.1/2.7
C203	4030011600	S.CER C1608 JB 1E 104K-T	T	27.5/38.5
C204	4550006250	S.TAN TEESVA 1A 106M8R	B	59.3/7.6
C205	4030011770	S.CER C1608 CH 1H 060B-T	T	43.6/73.5
	4030009910	S.CER C1608 CH 1H 040B-T	[USA-03]	
	4030011770	S.CER C1608 CH 1H 060B-T	[GEN-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[GEN-02]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-03]	
	4030011770	S.CER C1608 CH 1H 060B-T	[GEN-05]	
	4030006980	S.CER C1608 CH 1H 070D-T	[GEN-06]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-07]	
	4030011770	S.CER C1608 CH 1H 060B-T	[EUR-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[EUR-03]	
	4030006980	S.CER C1608 CH 1H 070D-T	[FRG-03]	
	4030011770	S.CER C1608 CH 1H 060B-T	[FRG-01]	
	4030011770	S.CER C1608 CH 1H 060B-T	[CHN-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[CHN-02]	
	4030009910	S.CER C1608 CH 1H 040B-T	[CHN-03]	

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C206	4030011770	S.CER C1608 CH 1H 060B-T	T	60.8/73.5
	4030009910	S.CER C1608 CH 1H 040B-T	[USA-03]	
	4030011770	S.CER C1608 CH 1H 060B-T	[GEN-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[GEN-02]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-03]	
	4030011770	S.CER C1608 CH 1H 060B-T	[GEN-05]	
	4030006980	S.CER C1608 CH 1H 070D-T	[GEN-06]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-07]	
	4030011770	S.CER C1608 CH 1H 060B-T	[EUR-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[EUR-03]	
	4030006980	S.CER C1608 CH 1H 070D-T	[FRG-03]	
	4030011770	S.CER C1608 CH 1H 060B-T	[FRG-01]	
	4030011770	S.CER C1608 CH 1H 060B-T	[CHN-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[CHN-02]	
	4030009910	S.CER C1608 CH 1H 040B-T	[CHN-03]	
C207	4030007030	S.CER C1608 CH 1H 150J-T	T	77.9/73.7
	4030009910	S.CER C1608 CH 1H 040B-T	[USA-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[GEN-01]	
	4030007040	S.CER C1608 CH 1H 180J-T	[GEN-02]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[GEN-05]	
	4030007040	S.CER C1608 CH 1H 180J-T	[EUR-01]	
	4030009920	S.CER C1608 CH 1H 050B-T	[EUR-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[GEN-06]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-07]	
	4030007030	S.CER C1608 CH 1H 150J-T	[CHN-01]	
	4030007040	S.CER C1608 CH 1H 180J-T	[CHN-02]	
C208	4030009910	S.CER C1608 CH 1H 040B-T	T	86.1/72.8
	4030007030	S.CER C1608 CH 1H 150J-T	[USA-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[GEN-01]	
	4030009910	S.CER C1608 CH 1H 040B-T	[GEN-02]	
	4030007030	S.CER C1608 CH 1H 150J-T	[GEN-03]	
	4030007040	S.CER C1608 CH 1H 180J-T	[GEN-05]	
	4030009920	S.CER C1608 CH 1H 050B-T	[GEN-06]	
	4030007030	S.CER C1608 CH 1H 150J-T	[GEN-07]	
	4030007030	S.CER C1608 CH 1H 150J-T	[FRG-03]	
	4030009920	S.CER C1608 CH 1H 050B-T	[FRG-01]	
	4030007030	S.CER C1608 CH 1H 150J-T	[FRG-01]	
	4030009910	S.CER C1608 CH 1H 040B-T	[FRG-03]	
	4030007000	S.CER C1608 CH 1H 090D-T	[EUR-01]	
	4030009920	S.CER C1608 CH 1H 050B-T	[EUR-03]	
	4030009920	S.CER C1608 CH 1H 050B-T	[FRG-03]	
	4030007030	S.CER C1608 CH 1H 150J-T	[FRG-01]	
	4030007030	S.CER C1608 CH 1H 150J-T	[CHN-01]	
	4030007040	S.CER C1608 CH 1H 180J-T	[CHN-02]	
	4030009910	S.CER C1608 CH 1H 040B-T	[CHN-03]	
C210	4030007000	S.CER C1608 CH 1H 090D-T	T	64.7/77
	4030006980	S.CER C1608 CH 1H 070D-T	[USA-01]	
	4030007000	S.CER C1608 CH 1H 090D-T	[USA-03]	
	4030007000	S.CER C1608 CH 1H 090D-T	[GEN-01]	
	4030007000	S.CER C1608 CH 1H 090D-T	[GEN-02]	
	4030006980	S.CER C1608 CH 1H 070D-T	[GEN-03]	
	4030007000	S.CER C1608 CH 1H 090D-T	[GEN-05]	
	4030007000	S.CER C1608 CH 1H 090D-T	[GEN-06]	
	4030006980	S.CER C1608 CH 1H 070D-T	[GEN-07]	
	4030007000	S.CER C1608 CH 1H 090D-T	[EUR-01]	
	4030006980	S.CER C1608 CH 1H 070D-T	[EUR-03]	
	4030006980	S.CER C1608 CH 1H 070D-T	[FRG-03]	
	4030007000	S.CER C1608 CH 1H 090D-T	[FRG-01]	
	4030007000	S.CER C1608 CH 1H 090D-T	[CHN-01]	
	4030007000	S.CER C1608 CH 1H 090D-T	[CHN-02]	
	4030006980	S.CER C1608 CH 1H 070D-T	[CHN-03]	
C211	4030006850	S.CER C1608 JB 1H 471K-T	T	60.5/10.5
C212	4030007170	S.CER C1608 CH 1H 221J-T	T	77.3/66
C213	4030007130	S.CER C1608 CH 1H 101J-T	T	89.5/55.7
C214	4030007020	S.CER C1608 CH 1H 120J-T	B	58.3/38.6
C215	4030007020	S.CER C1608 CH 1H 120J-T	B	58.3/36
C216	4030007020	S.CER C1608 CH 1H 120J-T	B	79.3/56.1
C217	4030007020	S.CER C1608 CH 1H 120J-T	B	77.4/59.5
C220	4030008650	S.CER C1608 JB 1H 332K-T	T	97.1/13
C221	4030006980	S.CER C1608 CH 1H 070D-T	T	81.8/73
	4030006980	S.CER C1608 CH 1H 070D-T	[EUR-03]	
C222	4030006980	S.CER C1608 CH 1H 070D-T	T	87.8/75.4
	4030006980	S.CER C1608 CH 1H 070D-T	[EUR-03]	
	4030006980	S.CER C1608 CH 1H 070D-T	[FRG-03]	
C223	4030007040	S.CER C1608 CH 1H 180J-T	T	45.6/75
	4030007040	S.CER C1608 CH 1H 180J-T	[USA-01]	
	4030007020	S.CER C1608 CH 1H 120J-T	[GEN-01]	
	4030007040	S.CER C1608 CH 1H 180J-T	[GEN-02]	
	4030007040	S.CER C1608 CH 1H 180J-T	[GEN-05]	
	4030007020	S.CER C1608 CH 1H 120J-T	[GEN-06]	
	4030007040	S.CER C1608 CH 1H 180J-T	[EUR-01]	
	4030009920	S.CER C1608 CH 1H 050B-T	[EUR-03]	
	4030009920	S.CER C1608 CH 1H 050B-T	[FRG-03]	
	4030007040	S.CER C1608 CH 1H 180J-T	[FRG-01]	
	4030007040	S.CER C1608 CH 1H 180J-T	[CHN-01]	
	4030007020	S.CER C1608 CH 1H 120J-T	[CHN-02]	
C224	4030007040	S.CER C1608 CH 1H 180J-T	T	53.9/72.8
	4030007040	S.CER C1608 CH 1H 180J-T	[USA-01]	
	4030007040	S.CER C1608 CH 1H 180J-T	[GEN-01]	
	4030007020	S.CER C1608 CH 1H 120J-T	[GEN-02]	
	4030007040	S.CER C1608 CH 1H 180J-T	[GEN-05]	
	4030007020	S.CER C1608 CH 1H 120J-T	[GEN-06]	
	4030007040			

[RX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION		
C225	4030009530	S.CER C1608 CH 1H 030B-T [USA-01]	T	96.6/6.6		
	4030006860	S.CER C1608 JB 1H 102K-T [USA-03]				
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-01]				
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-02]				
	4030006860	S.CER C1608 JB 1H 102K-T [GEN-03]				
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-05]				
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-06]				
	4030006860	S.CER C1608 JB 1H 102K-T [GEN-07]				
	4030009530	S.CER C1608 CH 1H 030B-T [EUR-01]				
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-03]				
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-03]				
	4030009530	S.CER C1608 CH 1H 030B-T [FRG-01]				
	4030009530	S.CER C1608 CH 1H 030B-T [CHN-01]				
	4030009530	S.CER C1608 CH 1H 030B-T [CHN-02]				
	4030006860	S.CER C1608 JB 1H 102K-T [CHN-03]				
	C227	4030009920	S.CER C1608 CH 1H 050B-T [EUR-03]		T	50.1/83
		4030009920	S.CER C1608 CH 1H 050B-T [FRG-03]			
	C228	4030006980	S.CER C1608 CH 1H 070D-T [GEN-02]		T	52.6/81.5
		4030006980	S.CER C1608 CH 1H 070D-T [GEN-06]			
	C230	4030007170	S.CER C1608 CH 1H 070D-T [CHN-02]			18.5/59.5
4030007170		S.CER C1608 CH 1H 221J-T [EUR-01]	T			
C231	4030007170	S.CER C1608 CH 1H 221J-T [FRG-01]		39.9/59.9		
	4030007170	S.CER C1608 CH 1H 221J-T [USA-01]	T			
C232	4030007170	S.CER C1608 CH 1H 221J-T [GEN-01]		59.3/66.1		
	4030007170	S.CER C1608 CH 1H 221J-T [GEN-05]				
	4030007170	S.CER C1608 CH 1H 221J-T [EUR-01]				
	4030007170	S.CER C1608 CH 1H 221J-T [FRG-01]				
	4030007170	S.CER C1608 CH 1H 221J-T [CHN-01]				
	4030007170	S.CER C1608 CH 1H 221J-T [EUR-01]	T			
	4030007170	S.CER C1608 CH 1H 221J-T [FRG-01]				
	J1	6510018450	CON TMP-S01X-B1			24/7.6
	J2	6510022591	S.CON 22FMN-BMTR-A-TBT(LF)(SN)		T	
	J5	6510018450	CON TMP-S01X-B1			
EP2	6910017350	S.BEA MMZ1608S601A-T	B	27.4/7.3		
EP3	6910017350	S.BEA MMZ1608S601A-T	T	24.6/12.7		
EP4	6910017350	S.BEA MMZ1608S601A-T	B	26.4/5.3		
EP5	6910017350	S.BEA MMZ1608S601A-T	T	22.9/12.7		
EP6	6910017350	S.BEA MMZ1608S601A-T	T	21.5/12.7		
EP7	6910017350	S.BEA MMZ1608S601A-T	T	20/12.7		
EP8	6910017350	S.BEA MMZ1608S601A-T	B	19.5/9.1		
EP9	6910017350	S.BEA MMZ1608S601A-T	T	17.5/3.2		
EP10	6910017350	S.BEA MMZ1608S601A-T	B	16.5/5.9		
EP11	6910017350	S.BEA MMZ1608S601A-T	T	14.5/12		

[RVCO UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION		
Q1	1560001281	S.FET 2SK508-T1B-A K53				
Q2	1530002920	S.TRA 2SC4226-T1 R25				
D1	1720000641	S.VAR 1SV284(TPH3,F)				
D2	1720000641	S.VAR 1SV284(TPH3,F)				
D3	1720000641	S.VAR 1SV284(TPH3,F)				
D4	1720000641	S.VAR 1SV284(TPH3,F)				
L1	6200007120	S.COI ELJND 1R0J				
L2	6200008730	S.COI ELJND R10J				
L3	6200009700	S.COI C6328A-28NG-A [USA-01]		96.6/6.6		
	6200010290	S.COI C6328A-22NG-A [USA-03]				
	6200009700	S.COI C6328A-28NG-A [GEN-01]				
	6200010290	S.COI C6328A-22NG-A [GEN-02]				
	6200010290	S.COI C6328A-22NG-A [GEN-03]				
	6200009700	S.COI C6328A-28NG-A [GEN-05]				
	6200010290	S.COI C6328A-22NG-A [GEN-06]				
	6200010290	S.COI C6328A-22NG-A [GEN-07]				
	6200009700	S.COI C6328A-28NG-A [EUR-01]				
	6200010290	S.COI C6328A-22NG-A [EUR-03]				
	6200010290	S.COI C6328A-22NG-A [FRG-03]				
	6200009700	S.COI C6328A-28NG-A [FRG-01]				
	6200009700	S.COI C6328A-28NG-A [CHN-01]				
	6200010290	S.COI C6328A-22NG-A [CHN-02]				
	6200010290	S.COI C6328A-22NG-A [CHN-03]				
	L4	6200008730	S.COI ELJND R10J			
	L5	6200007210	S.COI ELJND 10NKF			
L6	6200005701	S.COI ELJRE 22NGFA				
L9	6200005741	S.COI ELJRE 47NGFA				
R1	7030003280	S.RES ERJ3GEYJ 470 V (47)				
R2	7030003400	S.RES ERJ3GEYJ 471 V (470)				
R3	7030003320	S.RES ERJ3GEYJ 101 V (100)				
R4	7030003550	S.RES ERJ3GEYJ 822 V (8.2K)				
R5	7030003350	S.RES ERJ3GEYJ 181 V (180)				
R6	7030003500	S.RES ERJ3GEYJ 332 V (3.3K)				
R13	7030003280	S.RES ERJ3GEYJ 470 V (47)				
C1	4030006860	S.CER C1608 JB 1H 102K-T				
C2	4030007130	S.CER C1608 CH 1H 101J-T				
C3	4550006770	S.TAN TEESVD2 1C 476M-12R				
C4	4030006860	S.CER C1608 JB 1H 102K-T				
C5	4030006860	S.CER C1608 JB 1H 102K-T				
C7	4030006980	S.CER C1608 CH 1H 070D-T				
C8	4030009920	S.CER C1608 CH 1H 050B-T				
C9	4030007010	S.CER C1608 CH 1H 100D-T				
C10	4030009500	S.CER C1608 CH 1H 0R5B-T				
C11	4030009920	S.CER C1608 CH 1H 050B-T				
C13	4030007130	S.CER C1608 CH 1H 101J-T				
C14	4030007130	S.CER C1608 CH 1H 101J-T				
C16	4030006860	S.CER C1608 JB 1H 102K-T				
C17	4610001920	S.TRI TZC3Z060A110R00 (TZC03Z060A110)				
C22	4030009520	S.CER C1608 CH 1H 020B-T [USA-01]		96.6/6.6		
	4030009510	S.CER C1608 CH 1H 010B-T [USA-03]				
	4030009520	S.CER C1608 CH 1H 020B-T [GEN-01]				
	4030009520	S.CER C1608 CH 1H 020B-T [GEN-02]				
	4030009510	S.CER C1608 CH 1H 010B-T [GEN-03]				
	4030009520	S.CER C1608 CH 1H 020B-T [GEN-05]				
	4030009520	S.CER C1608 CH 1H 020B-T [GEN-06]				
	4030009510	S.CER C1608 CH 1H 010B-T [GEN-07]				
	4030009520	S.CER C1608 CH 1H 020B-T [EUR-01]				
	4030009510	S.CER C1608 CH 1H 010B-T [EUR-03]				
	4030009510	S.CER C1608 CH 1H 010B-T [FRG-03]				
	4030009520	S.CER C1608 CH 1H 020B-T [FRG-01]				
	4030009520	S.CER C1608 CH 1H 020B-T [CHN-01]				
	4030009520	S.CER C1608 CH 1H 020B-T [CHN-02]				
	4030009510	S.CER C1608 CH 1H 010B-T [CHN-03]				
	C27	4030007130	S.CER C1608 CH 1H 101J-T			
	C28	4030009520	S.CER C1608 CH 1H 020B-T [USA-01]			96.6/6.6
		4030009520	S.CER C1608 CH 1H 020B-T [GEN-01]			
		4030009520	S.CER C1608 CH 1H 020B-T [GEN-02]			
		4030009520	S.CER C1608 CH 1H 020B-T [GEN-05]			
4030009520		S.CER C1608 CH 1H 020B-T [GEN-06]				
4030009520		S.CER C1608 CH 1H 020B-T [EUR-01]				
4030009520		S.CER C1608 CH 1H 020B-T [EUR-01]				
4030009520		S.CER C1608 CH 1H 020B-T [FRG-01]				
4030009520		S.CER C1608 CH 1H 020B-T [CHN-01]				
4030009520		S.CER C1608 CH 1H 020B-T [CHN-02]				
J1	6510022901	CON IMSA-9201B-1-06Z198-PT1				

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

[TX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
WS1	8970024070	FX2368 1.5D (1)/TX [USA-01]		
	8970024070	FX2368 1.5D (1)/TX [USA-03]		
	8970024070	FX2368 1.5D (1)/TX [GEN-01]		
	8970024070	FX2368 1.5D (1)/TX [GEN-02]		
	8970024070	FX2368 1.5D (1)/TX [GEN-03]		
	8970024070	FX2368 1.5D (1)/TX [GEN-05]		
	8970024070	FX2368 1.5D (1)/TX [GEN-06]		
	8970024070	FX2368 1.5D (1)/TX [GEN-07]		
	8970024070	FX2368 1.5D (1)/TX [CHN-01]		
	8970024070	FX2368 1.5D (1)/TX [CHN-02]		
	8970024070	FX2368 1.5D (1)/TX [CHN-03]		
	IC1	1180000421	S.IC TA78L05F(Te12R,F)	B
IC2	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	B	42.5/42.9
IC3	1110002400	S.IC NJM2107F-TE1-#ZZZB	B	34.1/18.3
IC4	1180000431	S.IC TA78L06F(Te12L,F)	B	40/15
IC5	1190001350	S.IC M62364FP 600D	B	16.9/9.3
IC6	1110002400	S.IC NJM2107F-TE1-#ZZZB	T	16/11.3
Q1	1530000371	S.TRA 2SC3356-T1B S (R25)	T	23.5/67
Q2	1530003270	S.TRA 2SC4703-T1 SF	T	17.1/74.4
Q3	1530002920	S.TRA 2SC4226-T1 R25	B	36.1/43.9
Q5	1530001951	S.TRA 2SC2712-GR(Te85R,F)	T	29.6/81
Q6	1530002051	S.TRA 2SC3661-TB-E	B	13.7/59.3
Q7	1510000510	S.TRA 2SA1576A T106R	B	40.5/34.6
Q9	1530001951	S.TRA 2SC2712-GR(Te85R,F)	B	44.9/31.2
Q10	1560000541	S.FET 2SK880-Y(T5RICOM,F)	T	33.9/19.3
D1	1790001621	S.DIO 1SV308(TPL3,F)	T	20/82.2
D3	1710000840	S.DIO 1SR154-400 TE25	T	14.6/67.2
D4	1790001251	S.DIO MA2S1110GL	B	16.1/59.3
X1	6050011680	S.XTA CR-758 DSA535SA 12.8 MHz	T	45.4/34
L1	6200007690	S.COI LQW2BHN18NJ03L	B	23.4/62
L2	6200007710	S.COI LQW2BHN27NJ03L	T	24.8/69.6
L3	6200007230	S.COI LQW2BHN15NJ03L	T	17.2/69.9
L8	6200008730	S.COI ELJND R10J	T	22.4/80.9
L9	6200008730	S.COI ELJND R10J	T	22.6/84.2
L10	6200007690	S.COI LQW2BHN18NJ03L	B	32/46.5
L11	6200007710	S.COI LQW2BHN27NJ03L	B	33.7/41.1
L14	6200007670	S.COI LQW2BHN10NJ03L	T	21/77.3
L15	6200007700	S.COI LQW2BHN22NJ03L	T	19.8/85.1
L16	6200007700	S.COI LQW2BHN22NJ03L	T	17.8/87
L27	6200009940	S.COI BLM21PG221SN1	B	43.1/71.9
L28	6200009940	S.COI BLM21PG221SN1	T	44.4/11.3
R1	7030003230	S.RES ERJ3GEYJ 180 V (18)	B	22.6/48.9
R2	7030003230	S.RES ERJ3GEYJ 180 V (18)	B	23.4/46.8
R3	7030003230	S.RES ERJ3GEYJ 180 V (18)	B	23.4/55.4
R4	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	21.4/64.6
R5	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	25/64.6
R6	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	27.9/66
R7	7030003320	S.RES ERJ3GEYJ 101 V (100) [USA-01]	T	24.8/71.3
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-02]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-05]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-06]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [EUR-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [FRG-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [CHN-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [CHN-02]		
R8	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	26.8/72
R9	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	16.8/66.7
R10	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	14.9/71
R11	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	20.3/72.5
R12	7030003320	S.RES ERJ3GEYJ 101 V (100) [EUR-01]	T	21/75.6
	7030003320	S.RES ERJ3GEYJ 101 V (100) [EUR-03]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [FRG-03]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [FRG-01]		
R16	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	24.7/81.7
R17	7030003330	S.RES ERJ3GEYJ 121 V (120)	T	25.1/84.5
R18	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	30.5/76.7
R19	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	31.2/78.6
R20	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	26.6/81
R21	7030003200	S.RES ERJ3GEYJ 100 V (10)	B	45.1/19.9
R23	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	43/50.1
R24	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	43/48.8
R25	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	43/51.4
R26	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	43.9/40.7
R27	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	41.8/36.2
R29	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	40.5/37.6
R31	7030003470	S.RES ERJ3GEYJ 182 V (1.8K)	B	35.9/34.6
R33	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	33.6/32.2
R36	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	31.3/33
R37	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	28.1/33
R38	7030003680	S.RES ERJ3GEYJ 104 V (100K)	B	43/34.5
R39	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	44.5/36
R41	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	41.9/32.3
R42	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	38.8/32.3
R45	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	45.2/27.1
R50	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	19.5/58
R51	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	32/44.6
R52	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	34.7/46.8
R53	7030003300	S.RES ERJ3GEYJ 680 V (68)	B	38.3/46.1
R54	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	33.5/43
R55	7030003200	S.RES ERJ3GEYJ 100 V (10)	B	31/41
R56	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	28.6/40.3
R57	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	24.4/76.6

[TX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R61	7030003200	S.RES ERJ3GEYJ 100 V (10)	B	34.7/12.8
R64	7030003640	S.RES ERJ3GEYJ 473 V (47K)	B	30.5/15.1
R66	7030003720	S.RES ERJ3GEYJ 224 V (220K)	B	29.7/18
R67	7030003770	S.RES ERJ3GEYJ 564 V (560K)	B	34.5/20.9
R68	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	41.7/30.9
R69	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	36.8/20
R70	7030003800	S.RES ERJ3GEYJ 105 V (1M)	B	25.7/23.5
R71	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	11.5/11.3
R76	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	18.6/13.4
R77	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	17.7/6.5
R78	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	19.6/5.7
R79	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	20.9/5.7
R80	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	T	42.5/29
R81	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	42.9/43.1
R83	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	41/36.8
R84	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	T	13.4/10.5
R85	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	13.9/8.7
R86	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	11.5/6.4
R87	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	36.7/18.7
R88	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	39.4/18.7
R90	7030003200	S.RES ERJ3GEYJ 100 V (10)	B	42.5/18.7
R91	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	26.6/79.7
R92	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	B	10.3/10.8
R93	7030003720	S.RES ERJ3GEYJ 224 V (220K)	T	18.4/10.8
R94	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	19.7/10.8
R95	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	14.1/15.4
R96	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	43.5/3.7
R97	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	B	41.7/6
R98	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	40.3/7
R99	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	B	42.2/8.7
R100	7030003370	S.RES ERJ3GEYJ 271 V (270) [USA-01]	T	14.1/39.9
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-02]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-05]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-06]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [EUR-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [EUR-03]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [FRG-03]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [CHN-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [CHN-02]		
R101	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	16/80.9
	7030003360	S.RES ERJ3GE JPW V [USA-03]		
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[GEN-01]	
	7030003230	S.RES ERJ3GE JPW V [EUR-01]		
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[GEN-02]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[GEN-05]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[GEN-06]	
	7030003860	S.RES ERJ3GE JPW V [GEN-07]		
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[EUR-01]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[EUR-03]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[FRG-03]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[FRG-01]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[CHN-01]	
	7030003230	S.RES ERJ3GEYJ 180 V (18)	[CHN-02]	
R102	7030003370	S.RES ERJ3GEYJ 271 V (270) [USA-01]	T	14.1/81.7
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-02]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-05]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [GEN-06]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [EUR-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [EUR-03]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [FRG-03]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [FRG-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [CHN-01]		
	7030003370	S.RES ERJ3GEYJ 271 V (270) [CHN-02]		
R103	7030003860	S.RES ERJ3GE JPW V	B	37.4/36.2
R104	7030003860	S.RES ERJ3GE JPW V	T	20.4/12.7
R105	7030003860	S.RES ERJ3GE JPW V	T	17.3/14.5
R106	7030003860	S.RES ERJ3GE JPW V	B	28.2/15.9
C1	4030006860	S.CER C1608 JB 1H 102K-T	B	12/56
C2	4030007130	S.CER C1608 CH 1H 101J-T	B	23.4/58.5
C3	4030006860	S.CER C1608 JB 1H 070D-T	B	26.1/61.2
C4	4030006860	S.CER C1608 JB 1H 102K-T	T	25.9/66.7
C5	4030007130	S.CER C1608 CH 1H 101J-T	T	20.5/68
C6	4030006990	S.CER C1608 CH 1H 080D-T	T	19.6/69.3
C8	4030006860	S.CER C1608 JB 1H 102K-T	T	21.6/72.5
C9	4030006860	S.CER C1608 JB 1H 102K-T	T	23.7/74.7
C10	4030007010	S.CER C1608 CH 1H 100D-T	T	18.6/78.3
C15	4030006860	S.CER C1608 JB 1H 102K-T	T	16.7/79.1
C16	4030006860	S.CER C1608 JB 1H 102K-T	B	15.

[TX UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C42	4030006860	S.CER C1608 JB 1H 102K-T	T	44/68.9
C43	4030006860	S.CER C1608 JB 1H 102K-T	T	43.7/45
C44	4510008540	S.ELE EEE1CA100SR	T	47.3/44.3
C45	4030007010	S.CER C1608 CH 1H 100D-T	T	40.3/51.4
C46	4030007010	S.CER C1608 CH 1H 100D-T	T	40.3/48.8
C47	4030007010	S.CER C1608 CH 1H 100D-T	T	40.3/50.1
C48	4030006860	S.CER C1608 JB 1H 102K-T	T	47.5/40.7
C49	4030006860	S.CER C1608 JB 1H 102K-T	T	41.6/33.6
C50	4510008540	S.ELE EEE1CA100SR	T	38.1/34.6
C51	4550006250	S.TAN TEESVA 1A 106M8R	T	27.7/16
C52	4030006860	S.CER C1608 JB 1H 102K-T	T	45.7/29.7
C56	4510008540	S.ELE EEE1CA100SR	T	33.8/42
C57	4030006860	S.CER C1608 JB 1H 102K-T	B	29.4/42.5
C58	4030011600	S.CER C1608 JB 1E 104K-T	B	40.4/30.3
C59	4030008920	S.CER C1608 JB 1H 473K-T	B	29.7/30.9
C60	4510008540	S.ELE EEE1CA100SR	T	15.4/60.4
C61	4030006860	S.CER C1608 JB 1H 102K-T	B	45.3/33.8
C65	4030006860	S.CER C1608 JB 1H 102K-T	B	39.3/18.7
C67	4550002980	S.TAN TEESVA 1C 225M8R	B	35.6/29.8
C68	4030006860	S.CER C1608 JB 1H 102K-T	T	46.2/12.9
C69	4030006860	S.CER C1608 JB 1H 102K-T	T	33.7/11
C72	4030006860	S.CER C1608 JB 1H 102K-T	T	24.7/11.8
C73	4030006860	S.CER C1608 JB 1H 102K-T	B	25.7/2.6
C74	4030006860	S.CER C1608 JB 1H 102K-T	T	28/11.9
C75	4030006860	S.CER C1608 JB 1H 102K-T	T	12.5/2.9
C76	4030006860	S.CER C1608 JB 1H 102K-T	B	29.8/3
C77	4030006860	S.CER C1608 JB 1H 102K-T	T	27.9/70
C78	4030006860	S.CER C1608 JB 1H 102K-T	B	36/13.5
C79	4030006850	S.CER C1608 JB 1H 471K-T	B	34.5/22.5
C80	4030011600	S.CER C1608 JB 1E 104K-T	B	32.8/15.9
C82	4550006250	S.TAN TEESVA 1A 106M8R	T	22.6/15.1
C85	4030006860	S.CER C1608 JB 1H 102K-T	B	40.8/20.3
C89	4030009920	S.CER C1608 CH 1H 050B-T	T	17.5/84
C90	4030007010	S.CER C1608 CH 1H 100D-T	T	15.4/85.9
C91	4030009920	S.CER C1608 CH 1H 050B-T	T	14.5/87.8
C92	4030006860	S.CER C1608 JB 1H 102K-T	T	34.8/21.9
C93	4030006860	S.CER C1608 JB 1H 102K-T	T	9.6/12
C96	4510008540	S.ELE EEE1CA100SR	T	42.5/21.1
C97	4510008540	S.ELE EEE1CA100SR	T	43.9/16.2
C98	4510008520	S.ELE EEE1CA470SP	T	50.7/25.9
C99	4550000460	S.TAN TEESVA 1C 105M8R	T	10/8.9
C100	4510008540	S.ELE EEE1CA100SR	T	12.6/14.8
C103	4030006900	S.CER C1608 JB 1H 103K-T	B	46.1/36
C104	4030011600	S.CER C1608 JB 1E 104K-T	B	36.6/17.2
C105	4510008540	S.ELE EEE1CA100SR	T	34.1/14.5
C107	4030007130	S.CER C1608 CH 1H 101J-T	T	7.7/11.3
C108	4030006860	S.CER C1608 JB 1H 102K-T	T	44.9/36.9
C109	4550006250	S.TAN TEESVA 1A 106M8R	T	17.7/8.2
C110	4030007130	S.CER C1608 CH 1H 101J-T	T	38.3/17.3
C111	4030011600	S.CER C1608 JB 1E 104K-T	T	38.3/15.9
C112	4030007130	S.CER C1608 CH 1H 101J-T	B	13.2/20.1
C113	4550006250	S.TAN TEESVA 1A 106M8R	B	12/17.9
C114	4030006860	S.CER C1608 JB 1H 102K-T	B	20.4/61.3
C115	4030007130	S.CER C1608 CH 1H 101J-T	B	18.2/60.7
C116	4030006860	S.CER C1608 JB 1H 102K-T	B	26.2/81.2
C117	4030007130	S.CER C1608 CH 1H 101J-T	B	26.2/78.4
C118	4030007130	S.CER C1608 CH 1H 101J-T	T	43.6/71
C119	4550000460	S.TAN TEESVA 1C 105M8R	B	7.3/14.1
C120	4030006860	S.CER C1608 JB 1H 102K-T	B	8.8/12.4
C121	4030007000	S.CER C1608 CH 1H 090D-T	T	20.5/79
C122	4550006250	S.TAN TEESVA 1A 106M8R	T	21.6/9.6
C123	4030006860	S.CER C1608 JB 1H 102K-T	T	17.9/81.7
J3	6510022591	S.CON 22FMN-BMTRR-A-TBT(LF)(SN)	T	34.9/7.4
J4	6510022801	S.CON B10B-PH-SM4-TB(LF)(SN)	T	51.4/67.9
W11	8900012490	CAB OPC-1281 (TX-ANT CABLE EUR) [EUR-01]		
	8900012490	CAB OPC-1281 (TX-ANT CABLE EUR) [EUR-03]		
	8900012490	CAB OPC-1281 (TX-ANT CABLE EUR) [FRG-03]		
	8900012490	CAB OPC-1281 (TX-ANT CABLE EUR) [FRG-01]		
EP2	6910017350	S.BEA MMZ1608S601A-T	B	52.7/58.8
EP3	6910017350	S.BEA MMZ1608S601A-T	B	54.5/62.1
EP4	6910017350	S.BEA MMZ1608S601A-T	B	47.6/63.9
EP5	6910017350	S.BEA MMZ1608S601A-T	B	53.9/66
EP6	6910017350	S.BEA MMZ1608S601A-T	B	47.6/68
EP7	6910017350	S.BEA MMZ1608S601A-T	B	27.2/11.9
EP8	6910017350	S.BEA MMZ1608S601A-T	B	27.2/5.1
EP9	6910017350	S.BEA MMZ1608S601A-T	B	29.6/10.9
EP10	6910017350	S.BEA MMZ1608S601A-T	B	31.7/3.9
EP11	6910017350	S.BEA MMZ1608S601A-T	B	37.3/10.8
EP12	6910017350	S.BEA MMZ1608S601A-T	T	37.5/11.8
EP13	6910017350	S.BEA MMZ1608S601A-T	B	38.5/8.2

[TVCO UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
Q1	1530000371	S.TRA 2SC3356-T1B S (R25)	[USA-01]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[USA-03]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[GEN-01]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[GEN-02]	
	1530000372	S.TRA 2SC3356-T1B R (R24)	[GEN-03]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[GEN-05]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[GEN-06]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[GEN-07]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[EUR-01]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[EUR-03]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[FRG-03]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[FRG-01]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[CHN-01]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[CHN-02]	
	1530000371	S.TRA 2SC3356-T1B S (R25)	[CHN-03]	
Q2	1530002920	S.TRA 2SC4226-T1 R25		
D1	1720000641	S.VAR 1SV284(TPH3,F)		
D2	1720000641	S.VAR 1SV284(TPH3,F)		
D3	1720000641	S.VAR 1SV284(TPH3,F)		
D4	1720000641	S.VAR 1SV284(TPH3,F)		
D5	1720000641	S.VAR 1SV284(TPH3,F)		
L1	6200003960	S.COI MLF1608A 1R0K-T		
L2	6200003960	S.COI MLF1608A 1R0K-T		
L3	6200010280	S.COI C3328A-14NG-A		
L4	6200007001	S.COI ELJRE 82NGFA		
L5	6200005701	S.COI ELJRE 22NGFA		
L6	6200007001	S.COI ELJRE 82NGFA		
L7	6200009181	S.COI ELJRE R10JFA	[USA-01]	
	6200005741	S.COI ELJRE 47NGFA	[USA-03]	
	6200009181	S.COI ELJRE R10JFA	[GEN-01]	
	6200009181	S.COI ELJRE R10JFA	[GEN-02]	
	6200005741	S.COI ELJRE 47NGFA	[GEN-03]	
	6200009181	S.COI ELJRE R10JFA	[GEN-05]	
	6200009181	S.COI ELJRE R10JFA	[GEN-06]	
	6200005741	S.COI ELJRE 47NGFA	[GEN-07]	
	6200009181	S.COI ELJRE R10JFA	[EUR-01]	
	6200005741	S.COI ELJRE 47NGFA	[EUR-03]	
	6200005741	S.COI ELJRE 47NGFA	[FRG-03]	
	6200009181	S.COI ELJRE R10JFA	[FRG-01]	
	6200009181	S.COI ELJRE R10JFA	[CHN-01]	
	6200009181	S.COI ELJRE R10JFA	[CHN-02]	
	6200005741	S.COI ELJRE 47NGFA	[CHN-03]	
R1	7030003280	S.RES ERJ3GEYJ 470 V (47)		
R2	7030003440	S.RES ERJ3GEYJ 102 V (1K)		
R3	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)		
R4	7030003350	S.RES ERJ3GEYJ 822 V (8.2K)		
R5	7030003350	S.RES ERJ3GEYJ 181 V (180)		
R6	7030003500	S.RES ERJ3GEYJ 332 V (3.3K)		
R7	7030003400	S.RES ERJ3GEYJ 471 V (470)		
R8	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)		
R12	7030003560	S.RES ERJ3GEYJ 103 V (10K)		
R13	7030003280	S.RES ERJ3GEYJ 470 V (47)		
R14	7030003640	S.RES ERJ3GEYJ 473 V (47K)		
R15	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)		
C1	4030006860	S.CER C1608 JB 1H 102K-T		
C2	4030007130	S.CER C1608 CH 1H 101J-T		
C3	4550006770	S.TAN TEESVD2 1C 476M-12R		
C4	4030006860	S.CER C1608 JB 1H 102K-T		
C5	4030006860	S.CER C1608 JB 1H 102K-T		
C6	4030009520	S.CER C1608 CH 1H 020B-T	[USA-01]	
	4030009510	S.CER C1608 CH 1H 010B-T	[USA-03]	
	4030009520	S.CER C1608 CH 1H 020B-T	[GEN-01]	
	4030009540	S.CER C1608 CH 1H 1R5B-T	[GEN-02]	
	4030009510	S.CER C1608 CH 1H 010B-T	[GEN-03]	
	4030009520	S.CER C1608 CH 1H 020B-T	[GEN-05]	
	4030009540	S.CER C1608 CH 1H 1R5B-T	[GEN-06]	
	4030009510	S.CER C1608 CH 1H 010B-T	[GEN-07]	
	4030009520	S.CER C1608 CH 1H 020B-T	[EUR-01]	
	4030009510	S.CER C1608 CH 1H 010B-T	[EUR-03]	
	4030009510	S.CER C1608 CH 1H 010B-T	[FRG-03]	
	4030009520	S.CER C1608 CH 1H 020B-T	[FRG-01]	
	4030009520	S.CER C1608 CH 1H 020B-T	[CHN-01]	
	4030009540	S.CER C1608 CH 1H 1R5B-T	[CHN-02]	
	4030009510	S.CER C1608 CH 1H 010B-T	[CHN-03]	
C7	4030009550	S.CER C1608 CH 1H 2R5B-T		
C8	4030007000	S.CER C1608 CH 1H 090D-T		
C9	4030007010	S.CER C1608 CH 1H 100D-T		
C10	4030009510	S.CER C1608 CH 1H 010B-T		
C11	4030007000	S.CER C1608 CH 1H 090D-T		
C12	4030006860	S.CER C1608 JB 1H 102K-T		
C13	4030007130	S.CER C1608 CH 1H 101J-T		
C14	4030007130	S.CER C1608 CH 1H 101J-T		
C15	4030009510	S.CER C1608 CH 1H 010B-T		
C16	4030006860	S.CER C1608 JB 1H 102K-T		
C17	4610001920	S.TRI TZC3Z060A110R00 (TZC03Z060A110)		
C18	4030006860	S.CER C1608 JB 1H 102K-T		
C22	4030007130	S.CER C1608 CH 1H 101J-T		
C23	4030009520	S.CER C1608 CH 1H 020B-T		

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

[TVCO UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION			
C24	4030009920	S.CER C1608 CH 1H 050B-T [USA-01]					
	4030009530	S.CER C1608 CH 1H 030B-T [USA-03]					
	4030009920	S.CER C1608 CH 1H 050B-T [GEN-01]					
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-02]					
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-03]					
	4030009920	S.CER C1608 CH 1H 050B-T [GEN-05]					
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-06]					
	4030009530	S.CER C1608 CH 1H 030B-T [GEN-07]					
	4030009920	S.CER C1608 CH 1H 050B-T [EUR-01]					
	4030009530	S.CER C1608 CH 1H 030B-T [EUR-03]					
	4030009530	S.CER C1608 CH 1H 030B-T [FRG-03]					
	4030009920	S.CER C1608 CH 1H 050B-T [FRG-01]					
	4030009920	S.CER C1608 CH 1H 050B-T [CHN-01]					
	4030009530	S.CER C1608 CH 1H 030B-T [CHN-02]					
	4030009530	S.CER C1608 CH 1H 030B-T [CHN-03]					
	4030006860	S.CER C1608 JB 1H 102K-T					
	C25	4030007130			S.CER C1608 CH 1H 101J-T		
	C26	4030007130			S.CER C1608 CH 1H 101J-T		
	C27	4030007130			S.CER C1608 CH 1H 101J-T		
	C28	4030009520			S.CER C1608 CH 1H 020B-T [USA-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [USA-03]		
		4030009520			S.CER C1608 CH 1H 020B-T [GEN-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-02]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-03]		
		4030009520			S.CER C1608 CH 1H 020B-T [GEN-05]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-06]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-07]		
		4030009520			S.CER C1608 CH 1H 020B-T [EUR-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [EUR-03]		
		4030009510			S.CER C1608 CH 1H 010B-T [FRG-03]		
		4030009520			S.CER C1608 CH 1H 020B-T [FRG-01]		
		4030009520			S.CER C1608 CH 1H 020B-T [CHN-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [CHN-02]		
		4030009510			S.CER C1608 CH 1H 010B-T [CHN-03]		
		4030009510			S.CER C1608 CH 1H 010B-T [USA-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-02]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-05]		
		4030009510			S.CER C1608 CH 1H 010B-T [GEN-06]		
		4030009510			S.CER C1608 CH 1H 010B-T [FRG-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [CHN-01]		
		4030009510			S.CER C1608 CH 1H 010B-T [CHN-02]		
J1		6910008021	CON IPS-1323-PT				
J2		6910008021	CON IPS-1323-PT				
J3		6910008021	CON IPS-1323-PT				
J4		6910008021	CON IPS-1323-PT				
J5		6910008021	CON IPS-1323-PT				
J6		6910008021	CON IPS-1323-PT				

[PA-MOS UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION			
IC1	1180000431	S.IC TA78L06F(TE12L,F)	T	50.4/35.9			
	1150002310	IC RA60H4047M1-101 [USA-01]					
IC2	1150002320	IC RA60H4452M1-101 [USA-03]	T	50.1/45.3			
	1150002310	IC RA60H4047M1-101 [GEN-01]					
	1150002320	IC RA60H4452M1-101 [GEN-03]					
	1150002310	IC RA60H4047M1-101 [GEN-05]					
	1150002320	IC RA60H4452M1-101 [GEN-07]					
	1150002142	IC RA45H4047M-121 [EUR-01]					
	1150002062	IC RA45H4452M-121 [EUR-03]					
	1150002062	IC RA45H4452M-121 [FRG-03]					
	1150002142	IC RA45H4047M-121 [FRG-01]					
	1150002310	IC RA60H4047M1-101 [CHN-01]					
	1150002320	IC RA60H4452M1-101 [CHN-03]					
	IC3	1110002400			S.IC NUM2107F-TE1-#ZZZB	T	14.3/33.3
	IC4	1130008561			S.IC TC75S51F(TE85L,F)	T	50.1/45.3
	Q1	1510000581			S.TRA 2SA1362-GR(TE85R,F)	T	44.6/33.6
		1590000430			S.TRA DTC144EUA T106		
1590000680		S.TRA DTC114EUA T106					
1530003340		S.TRA 2SC3357-T1 RF					
1590000680		S.TRA DTC114EUA T106					
1530001941		S.TRA 2SC2712-BL(TE85L,F)					
1510000581		S.TRA 2SA1362-GR(TE85R,F)					
D2	1790000720	DIO MA29W-B	T	33.5/15.9			
	1730002341	S.ZEN MAZ8047GML					
	1730002341	S.ZEN MAZ8047GML					
	1720000361	S.DIO HSU88TRF-E					
	D10	1720000361			S.DIO HSU88TRF-E		
	D11	1720000361			S.DIO HSU88TRF-E		
L4	6200003960	S.COI MLF1608A 1R0K-T	T	34.2/30.2			
	6110003661	COI LA-563A					
	6200007690	S.COI LQW2BHN18NJ03L					
	6200007680	S.COI LQW2BHN12NJ03L					
	6110003661	COI LA-563A					
	6200007690	S.COI LQW2BHN18NJ03L					
	6200009790	S.COI BLM31PG121SN1					
	6200009790	S.COI BLM31PG121SN1					
	6200009790	S.COI BLM31PG121SN1					
	6910000670	COI BL01RN1A1D2B (BL01RN1-A62)					
	6110003860	COI LA-588					
	6110003860	COI LA-588					
	6110003860	COI LA-588					
	6110003860	COI LA-588					
	6110003790	COI LA-579					
	6200003960	S.COI MLF1608A 1R0K-T [USA-01]					
	6200003960	S.COI MLF1608A 1R0K-T [USA-03]					
	6200003960	S.COI MLF1608A 1R0K-T [GEN-01]					
	6200003960	S.COI MLF1608A 1R0K-T [GEN-03]					
	6200003960	S.COI MLF1608A 1R0K-T [GEN-05]					
6200003960	S.COI MLF1608A 1R0K-T [GEN-07]						
6200003960	S.COI MLF1608A 1R0K-T [CHN-01]						
6200003960	S.COI MLF1608A 1R0K-T [CHN-03]						
L21	6200009181	S.COI ELJRE R10JFA [USA-03]	T	54.8/40.6			
	6200009181	S.COI ELJRE R10JFA [GEN-03]					
	6200009181	S.COI ELJRE R10JFA [GEN-07]					
	6200009181	S.COI ELJRE R10JFA [EUR-03]					
	6200009181	S.COI ELJRE R10JFA [FRG-03]					
	6200009181	S.COI ELJRE R10JFA [CHN-03]					
	7030003200	S.RES ERJ3GEYJ 100 V (10) [USA-01]					
	7030003250	S.RES ERJ3GEYJ 270 V (27) [USA-03]					
	7030003200	S.RES ERJ3GEYJ 100 V (10) [GEN-01]					
	7030003250	S.RES ERJ3GEYJ 270 V (27) [GEN-03]					
7030003200	S.RES ERJ3GEYJ 100 V (10) [GEN-05]						
7030003250	S.RES ERJ3GEYJ 270 V (27) [GEN-07]						
7030003270	S.RES ERJ3GEYJ 390 V (39) [EUR-01]						
7030003270	S.RES ERJ3GEYJ 390 V (39) [EUR-03]						
7030003270	S.RES ERJ3GEYJ 390 V (39) [FRG-03]						
7030003270	S.RES ERJ3GEYJ 390 V (39) [FRG-01]						
7030003200	S.RES ERJ3GEYJ 100 V (10) [CHN-01]						
7030003250	S.RES ERJ3GEYJ 270 V (27) [CHN-03]						
R2	7030003410	S.RES ERJ3GEYJ 561 V (560) [USA-01]	T	30.7/24.9			
	7030003350	S.RES ERJ3GEYJ 181 V (180) [USA-03]					
	7030003410	S.RES ERJ3GEYJ 561 V (560) [GEN-01]					
	7030003350	S.RES ERJ3GEYJ 181 V (180) [GEN-03]					
	7030003410	S.RES ERJ3GEYJ 561 V (560) [GEN-05]					
	7030003350	S.RES ERJ3GEYJ 181 V (180) [GEN-07]					
	7030003340	S.RES ERJ3GEYJ 151 V (150) [EUR-01]					
	7030003340	S.RES ERJ3GEYJ 151 V (150) [EUR-03]					
	7030003340	S.RES ERJ3GEYJ 151 V (150) [FRG-03]					
	7030003340	S.RES ERJ3GEYJ 151 V (150) [FRG-01]					
	7030003410	S.RES ERJ3GEYJ 561 V (560) [CHN-01]					
	7030003350	S.RES ERJ3GEYJ 181 V (180) [CHN-03]					
	R3	7030003410			S.RES ERJ3GEYJ 561 V (560) [USA-01]	T	30.7/23.4
		7030003350			S.RES ERJ3GEYJ 181 V (180) [USA-03]		
		7030003410			S.RES ERJ3GEYJ 561 V (560) [GEN-01]		
7030003350		S.RES ERJ3GEYJ 181 V (180) [GEN-03]					
7030003410		S.RES ERJ3GEYJ 561 V (560) [GEN-05]					
7030003350		S.RES ERJ3GEYJ 181 V (180) [GEN-07]					
7030003340		S.RES ERJ3GEYJ 151 V (150) [EUR-01]					
7030003340		S.RES ERJ3GEYJ 151 V (150) [EUR-03]					
7030003340		S.RES ERJ3GEYJ 151 V (150) [FRG-03]					
7030003340		S.RES ERJ3GEYJ 151 V (150) [FRG-01]					
7030003410	S.RES ERJ3GEYJ 561 V (560) [CHN-01]						
7030003350	S.RES ERJ3GEYJ 181 V (180) [CHN-03]						
R4	7030003860	S.RES ERJ3GE JPW V	T	32.1/29.9			
R8	7030003860	S.RES ERJ3GE JPW V	T	32.1/33.3			
R9	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	44.2/31.2			
R10	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	47.6/32.6			

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

[PA-MOS UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R11	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	33.4/35.1
R12	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	37.5/31
R13	7030003550	S.RES ERJ3GEYJ 822 V (8.2K)	T	38.8/31
R14	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	47.5/23.8
R17	7030000140	S.RES MCR10EZHJ 10 (100)	T	41.6/38.8
R21	7030003860	S.RES ERJ3GE JPW V	T	43.6/20.9
R22	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	35.6/35.8
R25	7030000320	S.RES MCR10EZHJ 330 (331) [USA-01]	T	37.8/58.4
	7030000340	S.RES MCR10EZHJ 470 (471) [USA-03]		
	7030000320	S.RES MCR10EZHJ 330 (331) [GEN-01]		
	7030000340	S.RES MCR10EZHJ 470 (471) [GEN-03]		
	7030000320	S.RES MCR10EZHJ 330 (331) [GEN-05]		
	7030000340	S.RES MCR10EZHJ 470 (471) [GEN-07]		
	7030000320	S.RES MCR10EZHJ 330 (331) [EUR-01]		
	7030000340	S.RES MCR10EZHJ 470 (471) [EUR-03]		
	7030000340	S.RES MCR10EZHJ 470 (471) [FRG-03]		
	7030000320	S.RES MCR10EZHJ 330 (331) [FRG-01]		
	7030000320	S.RES MCR10EZHJ 330 (331) [CHN-01]		
	7030000340	S.RES MCR10EZHJ 470 (471) [CHN-03]		
R26	7030000160	S.RES MCR10EZHJ 15 (150) [USA-01]	T	35.2/59.5
	7030000140	S.RES MCR10EZHJ 10 (100) [USA-03]		
	7030000160	S.RES MCR10EZHJ 15 (150) [GEN-01]		
	7030000140	S.RES MCR10EZHJ 10 (100) [GEN-03]		
	7030000160	S.RES MCR10EZHJ 15 (150) [GEN-05]		
	7030000140	S.RES MCR10EZHJ 10 (100) [GEN-07]		
	7030000160	S.RES MCR10EZHJ 15 (150) [EUR-01]		
	7030000140	S.RES MCR10EZHJ 10 (100) [EUR-03]		
	7030000140	S.RES MCR10EZHJ 10 (100) [FRG-03]		
	7030000160	S.RES MCR10EZHJ 15 (150) [FRG-01]		
	7030000160	S.RES MCR10EZHJ 15 (150) [CHN-01]		
	7030000140	S.RES MCR10EZHJ 10 (100) [CHN-03]		
R27	7030000320	S.RES MCR10EZHJ 330 (331) [USA-01]	T	37.8/60.6
	7030000340	S.RES MCR10EZHJ 470 (471) [USA-03]		
	7030000320	S.RES MCR10EZHJ 330 (331) [GEN-01]		
	7030000340	S.RES MCR10EZHJ 470 (471) [GEN-03]		
	7030000320	S.RES MCR10EZHJ 330 (331) [GEN-05]		
	7030000340	S.RES MCR10EZHJ 470 (471) [GEN-07]		
	7030000320	S.RES MCR10EZHJ 330 (331) [EUR-01]		
	7030000340	S.RES MCR10EZHJ 470 (471) [EUR-03]		
	7030000340	S.RES MCR10EZHJ 470 (471) [FRG-03]		
	7030000320	S.RES MCR10EZHJ 330 (331) [FRG-01]		
	7030000320	S.RES MCR10EZHJ 330 (331) [CHN-01]		
	7030000340	S.RES MCR10EZHJ 470 (471) [CHN-03]		
R28	7030003450	S.RES ERJ3GEYJ 122 V (1.2K)	T	9/39.8
R29	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	18.2/35.9
R30	7030003510	S.RES ERJ3GEYJ 392 V (3.9K)	T	18.2/33
R31	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	13.9/35.7
R32	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	13.1/30.2
R34	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	15.3/30.9
R36	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	13.9/37
R37	7030003710	S.RES ERJ3GEYJ 184 V (180K)	T	54/45.3
R38	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	15.3/38.4
R39	7030003320	S.RES ERJ3GEYJ 101 V (100) [USA-01]	T	12.4/38.4
	7030003320	S.RES ERJ3GEYJ 101 V (100) [USA-03]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-05]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [GEN-07]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [EUR-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [EUR-03]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [FRG-03]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [FRG-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [CHN-01]		
	7030003320	S.RES ERJ3GEYJ 101 V (100) [CHN-03]		
R40	7030003640	S.RES ERJ3GEYJ 473 V (47K) [USA-01]	T	52.8/42.6
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [USA-03]		
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [GEN-01]		
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [GEN-03]		
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [GEN-05]		
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [GEN-07]		
	7030003690	S.RES ERJ3GEYJ 124 V (120K) [EUR-01]		
	7030003690	S.RES ERJ3GEYJ 124 V (120K) [EUR-03]		
	7030003690	S.RES ERJ3GEYJ 124 V (120K) [FRG-03]		
	7030003690	S.RES ERJ3GEYJ 124 V (120K) [FRG-01]		
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [CHN-01]		
	7030003640	S.RES ERJ3GEYJ 473 V (47K) [CHN-03]		
R43	7030003560	S.RES ERJ3GEYJ 103 V (10K) [USA-01]	T	78.9/96.6
	7030003530	S.RES ERJ3GEYJ 562 V (5.6K) [USA-03]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-01]		
	7030003530	S.RES ERJ3GEYJ 562 V (5.6K) [GEN-03]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-05]		
	7030003530	S.RES ERJ3GEYJ 562 V (5.6K) [GEN-07]		
	7030003550	S.RES ERJ3GEYJ 822 V (8.2K) [EUR-01]		
	7030003530	S.RES ERJ3GEYJ 562 V (5.6K) [EUR-03]		
	7030003530	S.RES ERJ3GEYJ 562 V (5.6K) [FRG-03]		
	7030003550	S.RES ERJ3GEYJ 822 V (8.2K) [FRG-01]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [CHN-01]		
	7030003530	S.RES ERJ3GEYJ 562 V (5.6K) [CHN-03]		
R44	7030006070	S.RES ERJ12YJ101U (100) [USA-01]	T	69.6/109.7
	7030009800	S.RES ERJ12YJ121U (120) [USA-03]		
	7030006070	S.RES ERJ12YJ101U (100) [GEN-01]		
	7030009800	S.RES ERJ12YJ121U (120) [GEN-03]		
	7030006070	S.RES ERJ12YJ101U (100) [GEN-05]		
	7030009800	S.RES ERJ12YJ121U (120) [GEN-07]		
	7030006070	S.RES ERJ12YJ101U (100) [EUR-01]		
	7030009800	S.RES ERJ12YJ121U (120) [EUR-03]		
	7030009800	S.RES ERJ12YJ121U (120) [FRG-03]		
	7030006070	S.RES ERJ12YJ101U (100) [FRG-01]		
	7030009800	S.RES ERJ12YJ121U (120) [CHN-01]		
	7030006070	S.RES ERJ12YJ101U (100) [CHN-03]		
R46	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	81.1/94.2
R47	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	47.2/43.3
R48	7030003860	S.RES ERJ3GE JPW V	T	115.9/107.5

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REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R50	7030003600	S.RES ERJ3GEYJ 223 V (22K) [USA-01]	T	126.2/107.5
	7030003610	S.RES ERJ3GEYJ 273 V (27K) [USA-03]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [GEN-01]		
	7030003610	S.RES ERJ3GEYJ 273 V (27K) [GEN-03]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [GEN-05]		
	7030003610	S.RES ERJ3GEYJ 273 V (27K) [GEN-07]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [EUR-01]		
	7030003610	S.RES ERJ3GEYJ 273 V (27K) [EUR-03]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [FRG-03]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [FRG-01]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [CHN-01]		
	7030003610	S.RES ERJ3GEYJ 273 V (27K) [CHN-03]		
R52	7030007990	S.RES ERJ12YJ820U (82) [USA-01]	T	114/95.8
	7030006070	S.RES ERJ12YJ101U (100) [USA-03]		
	7030007990	S.RES ERJ12YJ820U (82) [GEN-01]		
	7030006070	S.RES ERJ12YJ101U (100) [GEN-03]		
	7030007990	S.RES ERJ12YJ820U (82) [GEN-05]		
	7030006070	S.RES ERJ12YJ101U (100) [GEN-07]		
	7030006230	S.RES ERJ12YJ151U (150) [EUR-01]		
	7030006070	S.RES ERJ12YJ101U (100) [EUR-03]		
	7030006230	S.RES ERJ12YJ151U (150) [FRG-01]		
	7030007990	S.RES ERJ12YJ820U (82) [CHN-01]		
	7030006070	S.RES ERJ12YJ101U (100) [CHN-03]		
R53	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	128.1/108.2
R56	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	73.4/12.4
R57	7030003630	S.RES ERJ3GEYJ 393 V (39K) [USA-01]	T	48.5/41.8
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [USA-03]		
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [GEN-01]		
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [GEN-03]		
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [GEN-05]		
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [GEN-07]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [EUR-01]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [EUR-03]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [FRG-03]		
	7030003600	S.RES ERJ3GEYJ 223 V (22K) [FRG-01]		
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [CHN-01]		
	7030003630	S.RES ERJ3GEYJ 393 V (39K) [CHN-03]		
R58	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	72.6/10.4
R61	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	70.6/9.7
R62	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	75.4/13.1
R63	7030003660	S.RES ERJ3GEYJ 683 V (68K)	T	66.4/44.8
R70	7030003860	S.RES ERJ3GE JPW V	T	70.8/98.3
R71	7030003860	S.RES ERJ3GE JPW V	T	65.6/42.9
R72	7030003860	S.RES ERJ3GE JPW V	T	42.8/24.9
R73	7030003860	S.RES ERJ3GE JPW V	T	42.9/36
R74	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	T	50.9/58.5
R75	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	48.3/49.3
R76	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	51.1/52.9
R77	7030003860	S.RES ERJ3GE JPW V [USA-01]	T	54.8/41.9
	7030003860	S.RES ERJ3GE JPW V [GEN-01]		
	7030003860	S.RES ERJ3GE JPW V [GEN-05]		
	7030003860	S.RES ERJ3GE JPW V [EUR-01]		
	7030003860	S.RES ERJ3GE JPW V [FRG-01]		
	7030003860	S.RES ERJ3GE JPW V [CHN-01]		
R78	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	51.1/48.4
R79	7030003660	S.RES ERJ3GEYJ 683 V (68K)	T	53/53.7
R80	7030003560	S.RES ERJ3GEYJ 103 V (10K) [USA-01]	T	49.6/60
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [USA-03]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-01]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-03]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-05]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [GEN-07]		
	7030003680	S.RES ERJ3GEYJ 104 V (100K) [EUR-01]		
	7030003680	S.RES ERJ3GEYJ 104 V (100K) [EUR-03]		
	7030003680	S.RES ERJ3GEYJ 104 V (100K) [FRG-03]		
	7030003680	S.RES ERJ3GEYJ 104 V (100K) [FRG-01]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [CHN-01]		
	7030003560	S.RES ERJ3GEYJ 103 V (10K) [CHN-03]		
R88	7030003360	S.RES ERJ3GEYJ 221 V (220) [EUR-01]	T	45.8/67.1
	7030003360	S.RES ERJ3GEYJ 221 V (220) [EUR-03]		
	7030003360	S.RES ERJ3GEYJ 221 V (220) [FRG-03]		
	7030003360	S.RES ERJ3GEYJ 221 V (220) [FRG-01]		
C1	4030006860	S.CER C1608 JB 1H 102K-T	T	27.9/22.2
C2	4030006900	S.CER C1608 JB 1H 103K-T	T	75.6/21.8
C5	4510007691	ELE ELXZ250ELL222MM20S		
C6				

[PA-MOS UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C39	4030006860	S.CER C1608 JB 1H 102K-T	T	35/56
C40	4030006900	S.CER C1608 JB 1H 103K-T	T	47.1/37.1
C41	4030011600	S.CER C1608 JB 1E 104K-T	T	41.6/85.9
C42	4030006900	S.CER C1608 JB 1H 103K-T	T	41.6/87.2
C43	4550006770	S.TAN TEESVD2 1C 476M-12R	T	43.5/73
C44	4030006860	S.CER C1608 JB 1H 102K-T	T	41.6/88.5
C45	4030006860	S.CER C1608 JB 1H 102K-T	T	39.9/70.4
C46	4030007130	S.CER C1608 CH 1H 101J-T	T	38.5/70.4
C47	4030006850	S.CER C1608 JB 1H 471K-T	T	20.8/41.1
C48	4030006850	S.CER C1608 JB 1H 471K-T	T	35/62.7
C49	4030006860	S.CER C1608 JB 1H 102K-T	T	28.6/74.3
C50	4030006850	S.CER C1608 JB 1H 471K-T	T	10.3/39.8
C51	4030006900	S.CER C1608 JB 1H 103K-T	T	29.9/74.3
C52	4030011600	S.CER C1608 JB 1E 104K-T	T	31.2/74.3
C54	4030006860	S.CER C1608 JB 1H 102K-T	T	47.7/13.4
C55	4030006860	S.CER C1608 JB 1H 102K-T	T	27.3/74.3
C58	4030006900	S.CER C1608 JB 1H 103K-T	T	34/14.3
C59	4030006850	S.CER C1608 JB 1H 471K-T	T	30.1/93.3
C60	4030006900	S.CER C1608 JB 1H 103K-T	T	28.8/93.3
C61	4030018430	S.CER ERF22X 6C2H 6R0D D01L	T	
		[USA-01]		38/109.1
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[USA-03]		
	4030018430	S.CER ERF22X 6C2H 6R0D D01L	T	
		[GEN-01]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[GEN-03]		
	4030018430	S.CER ERF22X 6C2H 6R0D D01L	T	
		[GEN-05]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[GEN-07]		
	4030018410	S.CER ERF22X 6C2H 2R0C D01L	T	
		[EUR-01]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[EUR-03]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[FRG-03]		
	4030018410	S.CER ERF22X 6C2H 2R0C D01L	T	
		[FRG-01]		
	4030018430	S.CER ERF22X 6C2H 6R0D D01L	T	
		[CHN-01]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[CHN-03]		
C62	4030006860	S.CER C1608 JB 1H 102K-T	T	16.9/33
C63	4030006860	S.CER C1608 JB 1H 102K-T	T	27.5/93.3
C64	4030006860	S.CER C1608 JB 1H 102K-T	T	36.7/14.3
C65	4030017490	S.CER C1608 JB 1A 105K-T	T	15.3/29.6
C66	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[USA-01]		43.4/106.2
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[USA-03]		
	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[GEN-01]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[GEN-03]		
	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[GEN-05]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[GEN-07]		
	4030018460	S.CER ERF22X 6C2H 100J D01L	T	
		[EUR-01]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[EUR-03]		
	4030018460	S.CER ERF22X 6C2H 100J D01L	T	
		[FRG-03]		
	4030018460	S.CER ERF22X 6C2H 100J D01L	T	
		[FRG-01]		
	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[CHN-01]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[CHN-03]		
C68	4030007170	S.CER C1608 CH 1H 221J-T	T	52.6/45.3
C69	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[USA-01]		51.3/109.8
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[USA-03]		
	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[GEN-01]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[GEN-03]		
	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[GEN-05]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[GEN-07]		
	4030018460	S.CER ERF22X 6C2H 100J D01L	T	
		[EUR-01]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[EUR-03]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[FRG-03]		
	4030018460	S.CER ERF22X 6C2H 100J D01L	T	
		[FRG-01]		
	4030017970	S.CER ERF22X 6C2H 120J D01L	T	
		[CHN-01]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[CHN-03]		
C70	4030006860	S.CER C1608 JB 1H 102K-T	T	10.8/32.3

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REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C71	4030009910	S.CER C1608 CH 1H 040B-T	T	70.8/96.8
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030009910	S.CER C1608 CH 1H 040B-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030009910	S.CER C1608 CH 1H 040B-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030009910	S.CER C1608 CH 1H 040B-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030009910	S.CER C1608 CH 1H 040B-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
	4030009910	S.CER C1608 CH 1H 040B-T	T	
	4030006980	S.CER C1608 CH 1H 070D-T	T	
C73	4030006860	S.CER C1608 JB 1H 102K-T	T	39/15.3
C74	4550007080	S.TAN TEESVA 1C 106M8R	T	9.8/30.5
C75	4030011600	S.CER C1608 JB 1E 104K-T	T	9.7/37
C76	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[USA-01]		60.1/106.6
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[USA-03]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[GEN-01]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[GEN-03]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[GEN-05]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[GEN-07]		
	4030018430	S.CER ERF22X 6C2H 6R0D D01L	T	
		[EUR-01]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[EUR-03]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[FRG-03]		
	4030018430	S.CER ERF22X 6C2H 6R0D D01L	T	
		[FRG-01]		
	4030018180	S.CER ERF22X 6C2H 9R0D D01L	T	
		[CHN-01]		
	4030018450	S.CER ERF22X 6C2H 8R0D D01L	T	
		[CHN-03]		
C77	4030006900	S.CER C1608 JB 1H 103K-T	T	9.7/35.7
C78	4030006860	S.CER C1608 JB 1H 102K-T	T	41/15.3
C79	4030007130	S.CER C1608 CH 1H 101J-T	T	76.4/97.4
C80	4030009570	S.CER C1608 CH 1H 0R3B-T	T	117.8/108.2
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
	4030009570	S.CER C1608 CH 1H 0R3B-T	T	
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
	4030009570	S.CER C1608 CH 1H 0R3B-T	T	
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
	4030009570	S.CER C1608 CH 1H 0R3B-T	T	
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
	4030009570	S.CER C1608 CH 1H 0R3B-T	T	
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
	4030009570	S.CER C1608 CH 1H 0R3B-T	T	
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
	4030009570	S.CER C1608 CH 1H 0R3B-T	T	
	4030009560	S.CER C1608 CH 1H 0R3B-T	T	
C82	4030007130	S.CER C1608 CH 1H 101J-T	T	79.7/94.2
C83	4030007130	S.CER C1608 CH 1H 101J-T	T	124.4/108.2
C84	4030017890	S.CER ERF22X 6C2H 101J D01L	T	
		(GRM111)		33.6/106.6
C86	4030007130	S.CER C1608 CH 1H 101J-T	T	129.4/108.2
C87	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[USA-01]		65.6/109.2
	4030018170	S.CER ERF22X 6C2H 4R0C D01L	T	
		[USA-03]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[GEN-01]		
	4030018170	S.CER ERF22X 6C2H 4R0C D01L	T	
		[GEN-03]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[GEN-05]		
	4030018170	S.CER ERF22X 6C2H 4R0C D01L	T	
		[GEN-07]		
	4030018170	S.CER ERF22X 6C2H 4R0C D01L	T	
		[EUR-03]		
	4030018420	S.CER ERF22X 6C2H 5R0C D01L	T	
		[FRG-03]		
	4030018170	S.CER ERF22X 6C2H 4R0C D01L	T	
		[CHN-01]		
	4030018170	S.CER ERF22X 6C2H 4R0C D01L	T	
		[CHN-03]		
C88	4030011810	S.CER C1608 JB 1A 224K-T	T	50.4/42.6
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030011810	S.CER C1608 JB 1E 104K-T	T	
	4030011600	S.CER C1608 JB 1E 104K-T	T	
	4030011600	S.CER C1608 JB 1E 104K-T	T	
	4030011600	S.CER C1608 JB 1E 104K-T	T	
	4030011600	S.CER C1608 JB 1E 104K-T	T	
	4030011600	S.CER C1608 JB 1E 104K-T	T	
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030011810	S.CER C1608 JB 1A 224K-T	T	
	4030018570	S.CER ERF22X 6C2H 1R0C D01L	T	177.7/48.7
C90	4030007130	S.CER C1608 CH 1H 101J-T	T	35.6/34.5
C91	4030009560	S.CER C1608 CH 1H 0R3B-T	T	37.2/52.9
C92	4030018470	S.CER ERF22X 6C2H 220J D01L	T	173/61.8
C100	4030007130	S.CER C1608 CH 1H 101J-T	T	49.2/25.4
C101	4030006860	S.CER C1608 JB 1H 102K-T	T	48.3/60
C102	4030006860	S.CER C1608 JB 1H 102K-T	T	55.6/38.7

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

[PA-MOS UNIT]

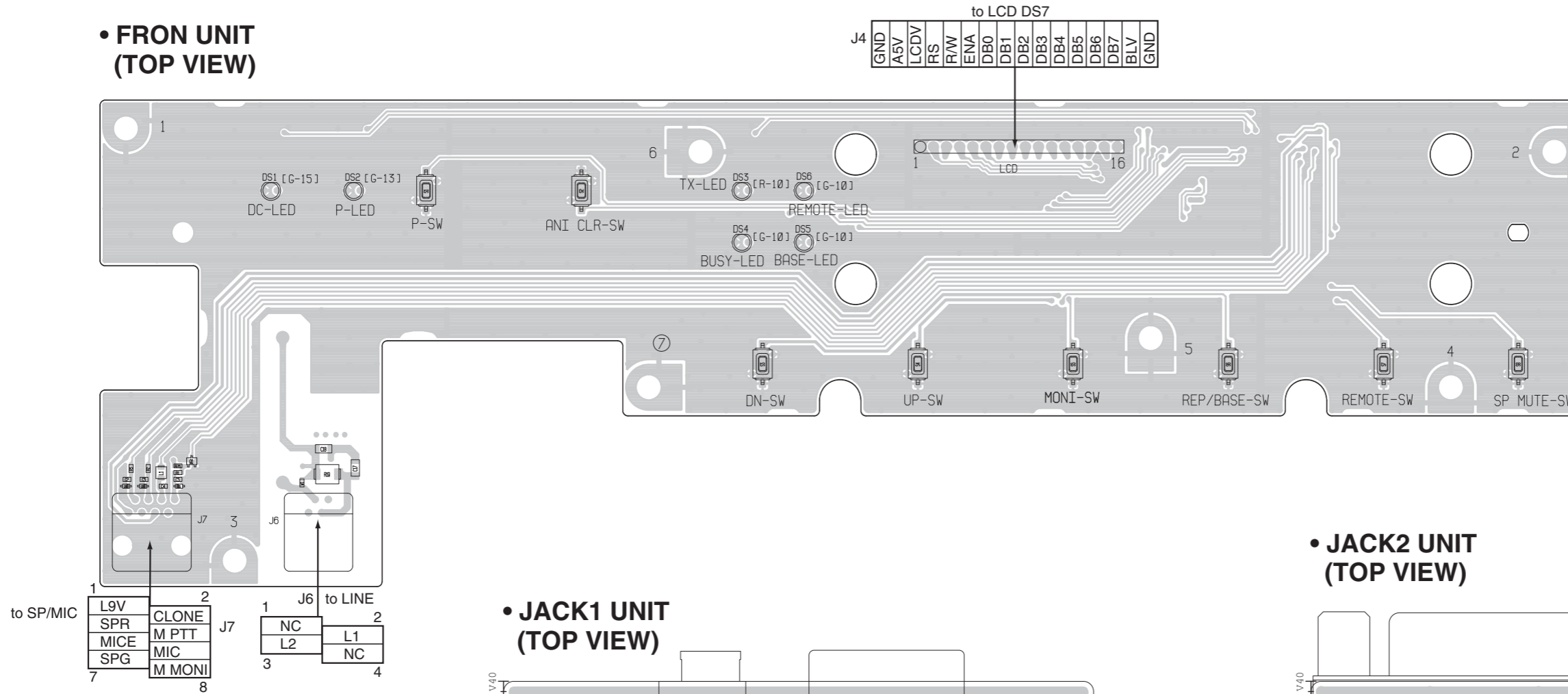
REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C103	4550000530	S.TAN TEESVA 1V 104M8R [USA-01]	T	53.1/50.7
	4550000530	S.TAN TEESVA 1V 104M8R [USA-03]		
	4550000530	S.TAN TEESVA 1V 104M8R [GEN-01]		
	4550000530	S.TAN TEESVA 1V 104M8R [GEN-03]		
	4550000530	S.TAN TEESVA 1V 104M8R [GEN-05]		
	4550000530	S.TAN TEESVA 1V 104M8R [GEN-07]		
	4550000530	S.TAN TEESVA 1V 104M8R [CHN-01]		
	4550000530	S.TAN TEESVA 1V 104M8R [CHN-03]		
	C104	4030009540	S.CER C1608 CH 1H 1R5B-T	
C105	4030006860	S.CER C1608 JB 1H 102K-T	T	40.9/35.5
C106	4030006860	S.CER C1608 JB 1H 102K-T	T	28.7/26.8
C107	4030006860	S.CER C1608 JB 1H 102K-T	T	43.7/62.4
C108	4030006860	S.CER C1608 JB 1H 102K-T	T	48.3/48
C109	4550007080	S.TAN TEESVA 1C 106M8R	T	48.9/52.4
C112	4030010760	S.CER C1608 CH 1H 331J-T [USA-03]	T	52.8/40
	4030010760	S.CER C1608 CH 1H 331J-T [GEN-03]		
	4030010760	S.CER C1608 CH 1H 331J-T [GEN-07]		
	4030010760	S.CER C1608 CH 1H 331J-T [EUR-03]		
	4030010760	S.CER C1608 CH 1H 331J-T [FRG-03]		
	4030010760	S.CER C1608 CH 1H 331J-T [CHN-03]		
	C116	4030007130	S.CER C1608 CH 1H 101J-T	
C117	4030007130	S.CER C1608 CH 1H 101J-T	T	43.7/65.1
C118	4030006900	S.CER C1608 JB 1H 103K-T	T	43.7/63.8
C119	4030006860	S.CER C1608 JB 1H 102K-T [EUR-01]	T	53.9/49
	4030006860	S.CER C1608 JB 1H 102K-T [EUR-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-03]		
	4030006860	S.CER C1608 JB 1H 102K-T [FRG-01]		
J1	6510022801	S.CON B10B-PH-SM4-TB(LF)(SN)	T	42/7.3
J2	6510007020	CON TMP-J01X-V6		
T1	5910001000	TRA TC-7		
EP1	6910014490	TER OP-100 M3		
EP2	6910014490	TER OP-100 M3		

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

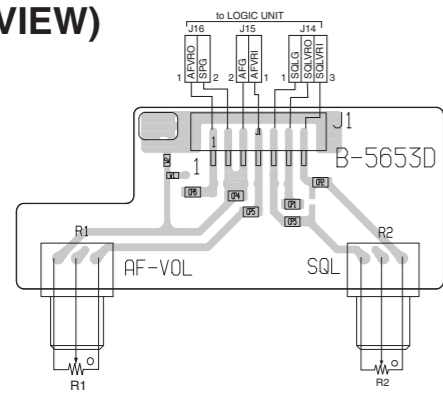
BOARD LAYOUTS

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

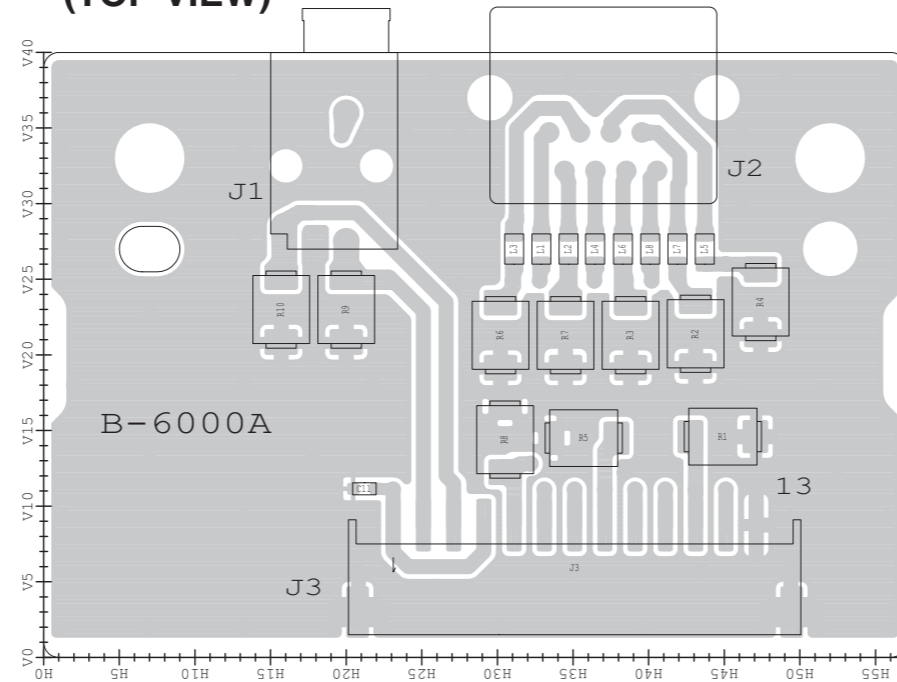
FRON UNIT (TOP VIEW)



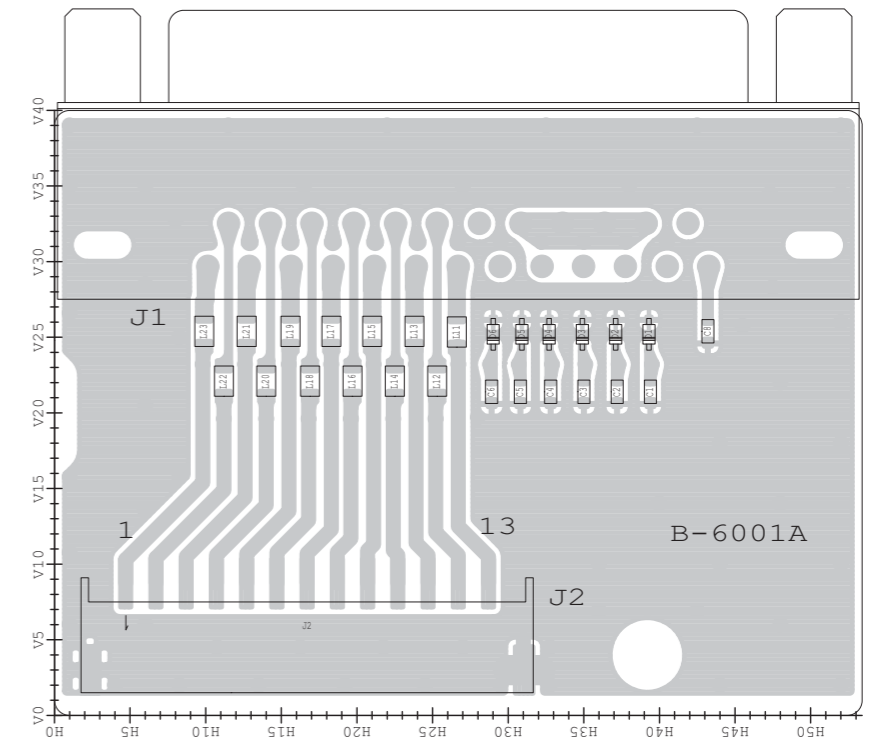
VR UNIT (TOP VIEW)



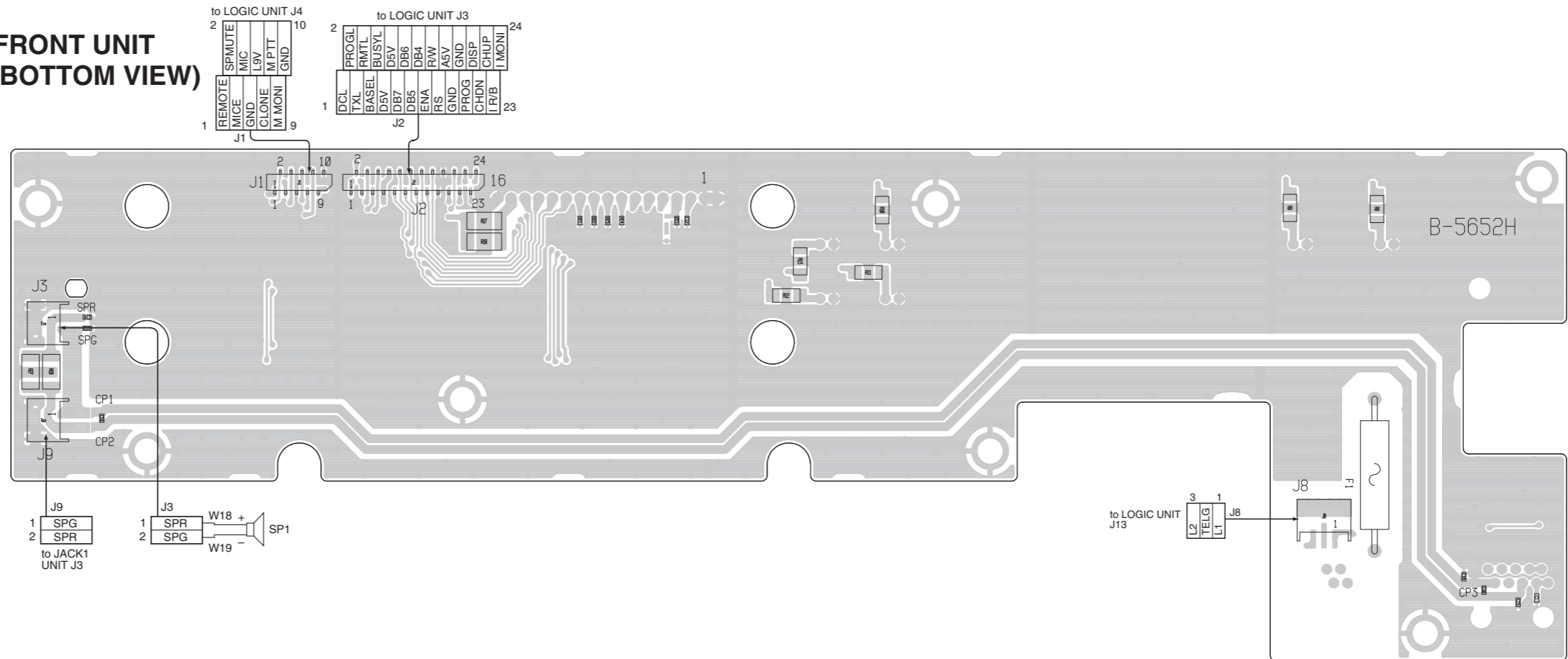
JACK1 UNIT (TOP VIEW)



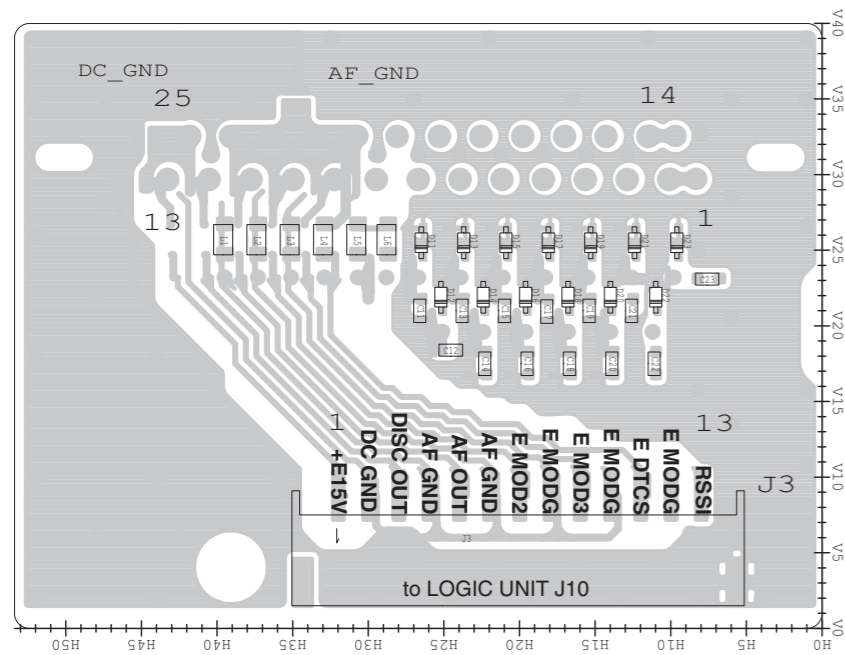
JACK2 UNIT (TOP VIEW)



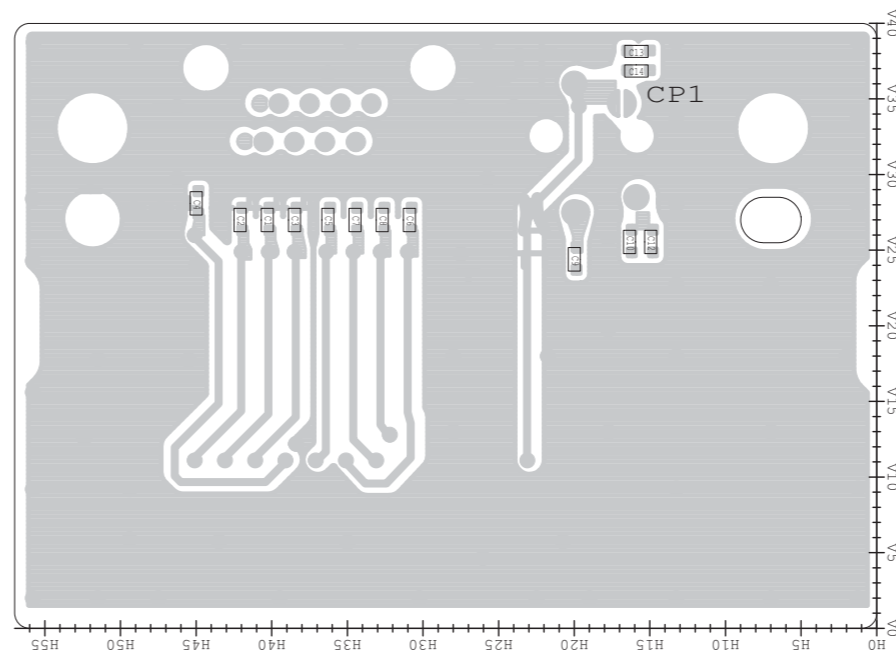
• FRONT UNIT (BOTTOM VIEW)



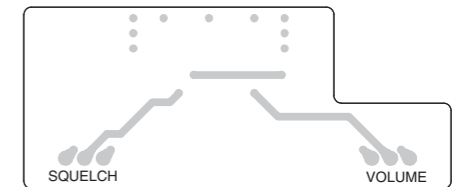
• JACK2 UNIT (BOTTOM VIEW)



• JACK1 UNIT (BOTTOM VIEW)



• VR UNIT (BOTTOM VIEW)



• LOGIC UNIT (TOP VIEW)

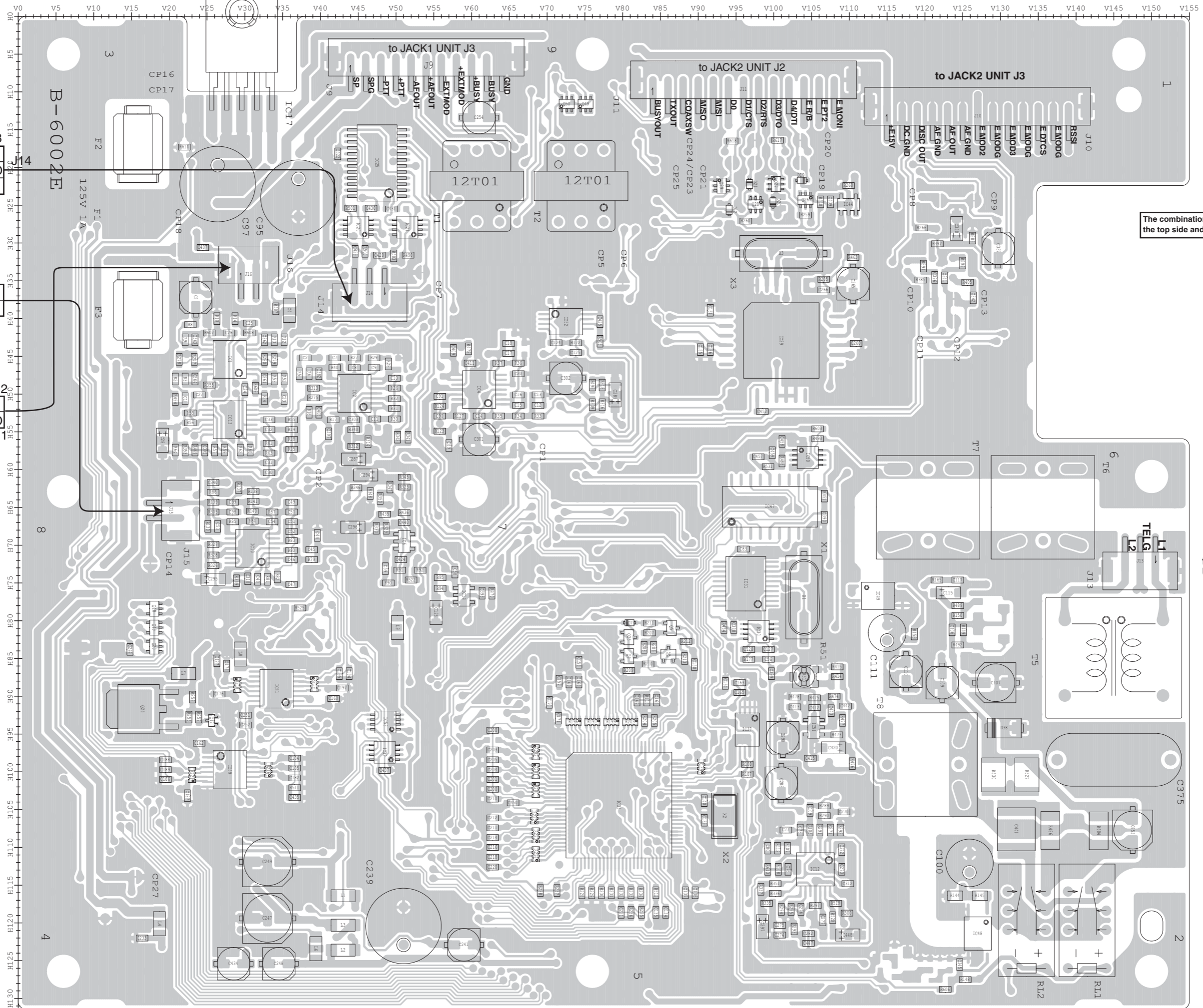
to VR UNIT J1

- 7 SQLI
- 7 SQLO
- 7 SQLG
- 1 AFVRI
- 1 AFG
- 1 AFG
- 1 AFVRO

- 3 SQLVRI
- 3 SQLVRO
- 3 SQLG

- 1 AFVRI
- 2 AFG

- 2 J16
- 2 SPG
- 2 AFVRO

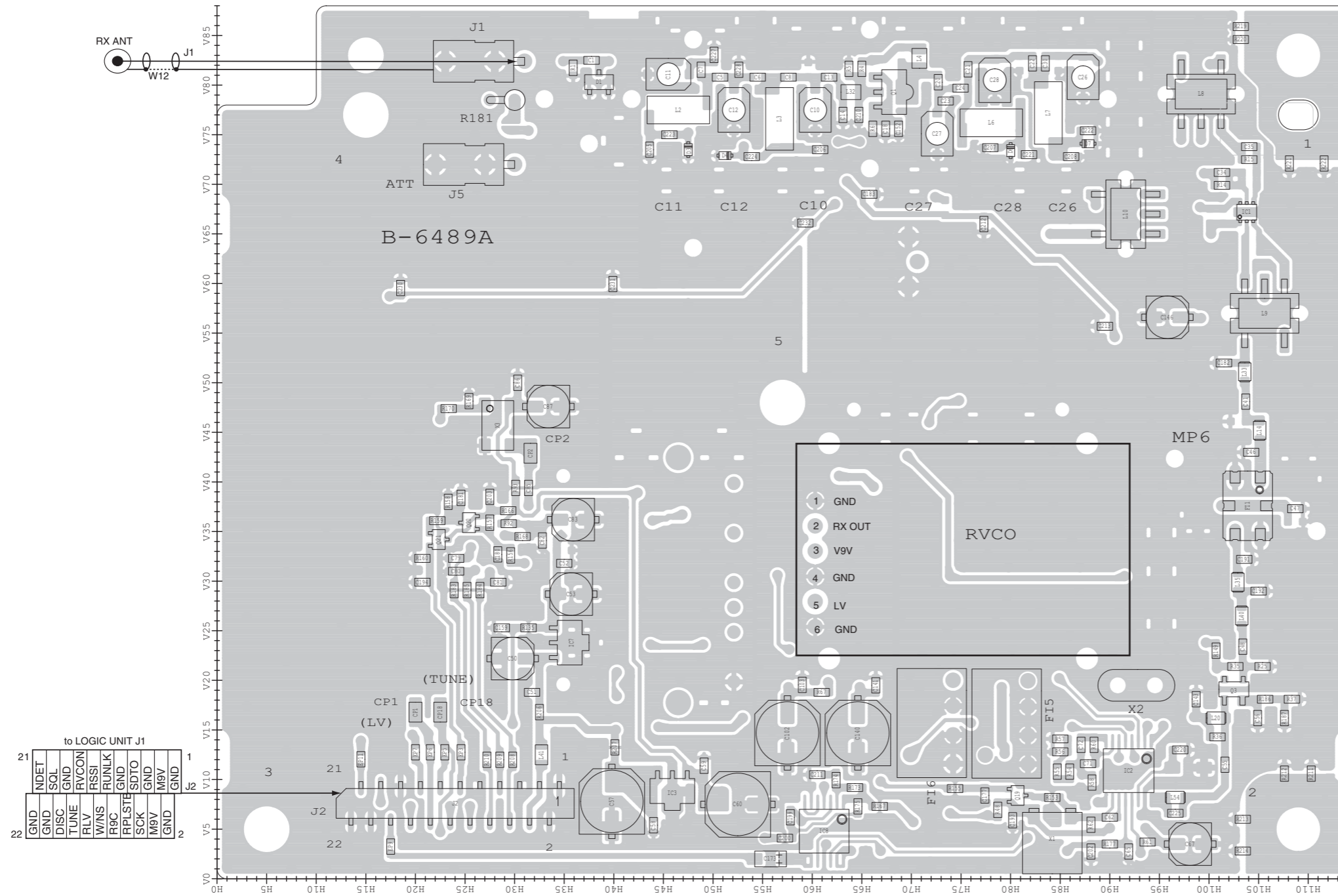


The combination of this page and next page shows the top side and bottom side of actual P.C. board.

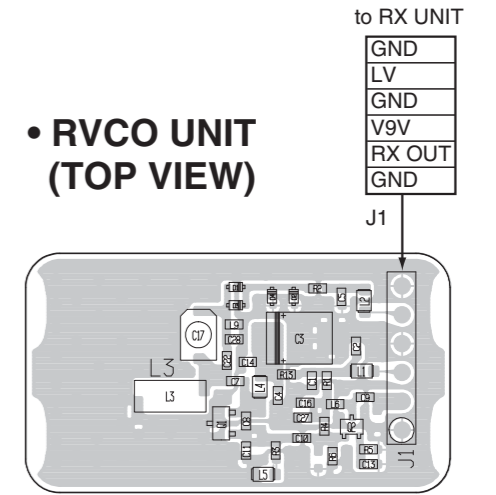
to FRONT UNIT J8

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

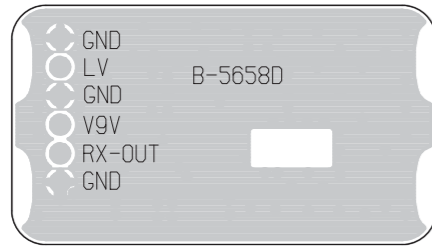
• RX UNIT
(TOP VIEW)



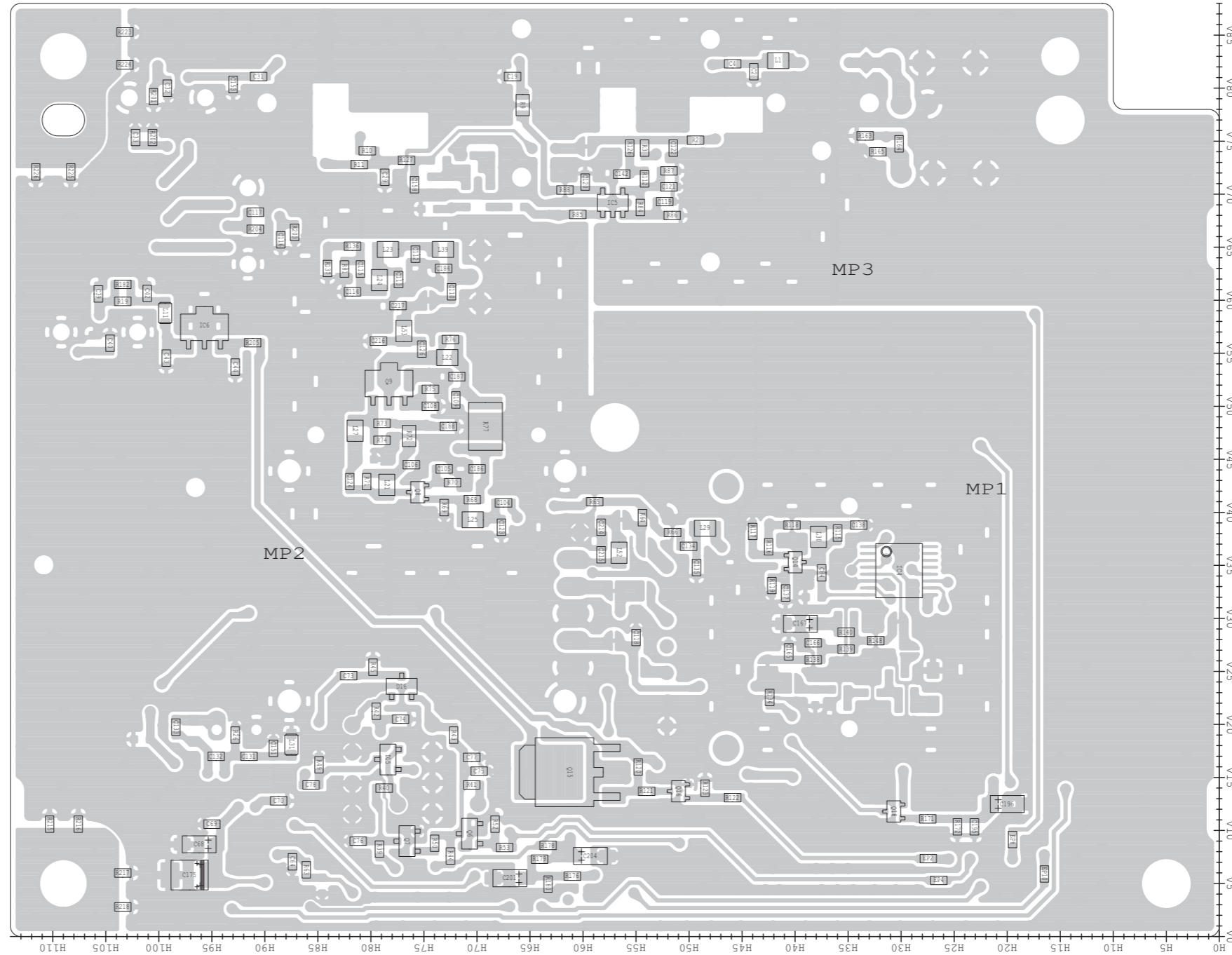
• RVCO UNIT
(TOP VIEW)



• RVCO UNIT
(BOTTOM VIEW)

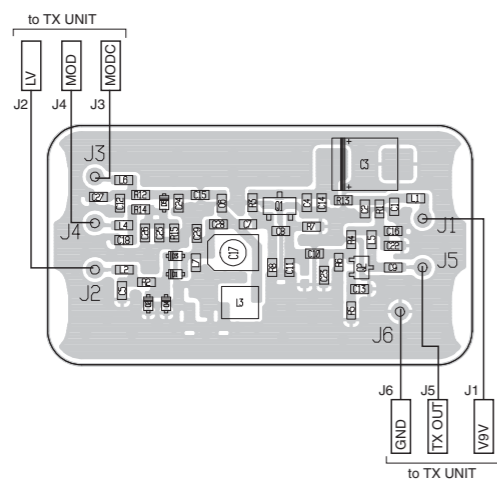


• RX UNIT
(BOTTOM VIEW)



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

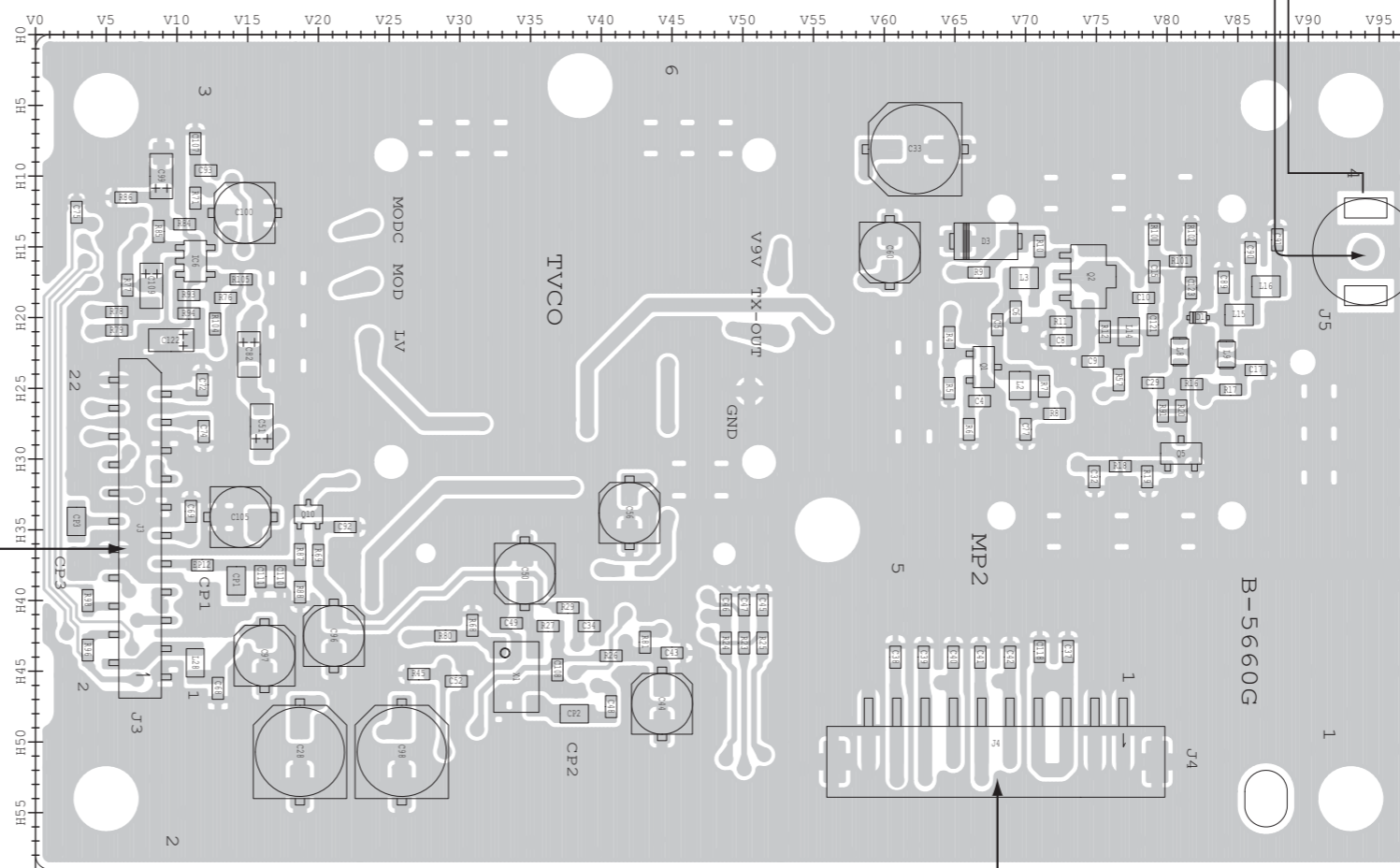
• TVCO UNIT (TOP VIEW)



• TX UNIT (TOP VIEW)

to LOGIC UNIT J2

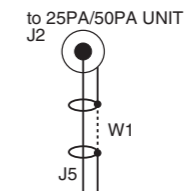
22	GND	21	FWSWR
	RVSWR		PATEMP
	TMUTE2		GND
	ETONE		I TONE
	TXAF		GND
	W/NS		TMUTE1
	GND		TLV
	TUNLK		TPLSTB
	DA1STB		SDTO
	SCK		M9V
	M9V		GND
2		1	



J4

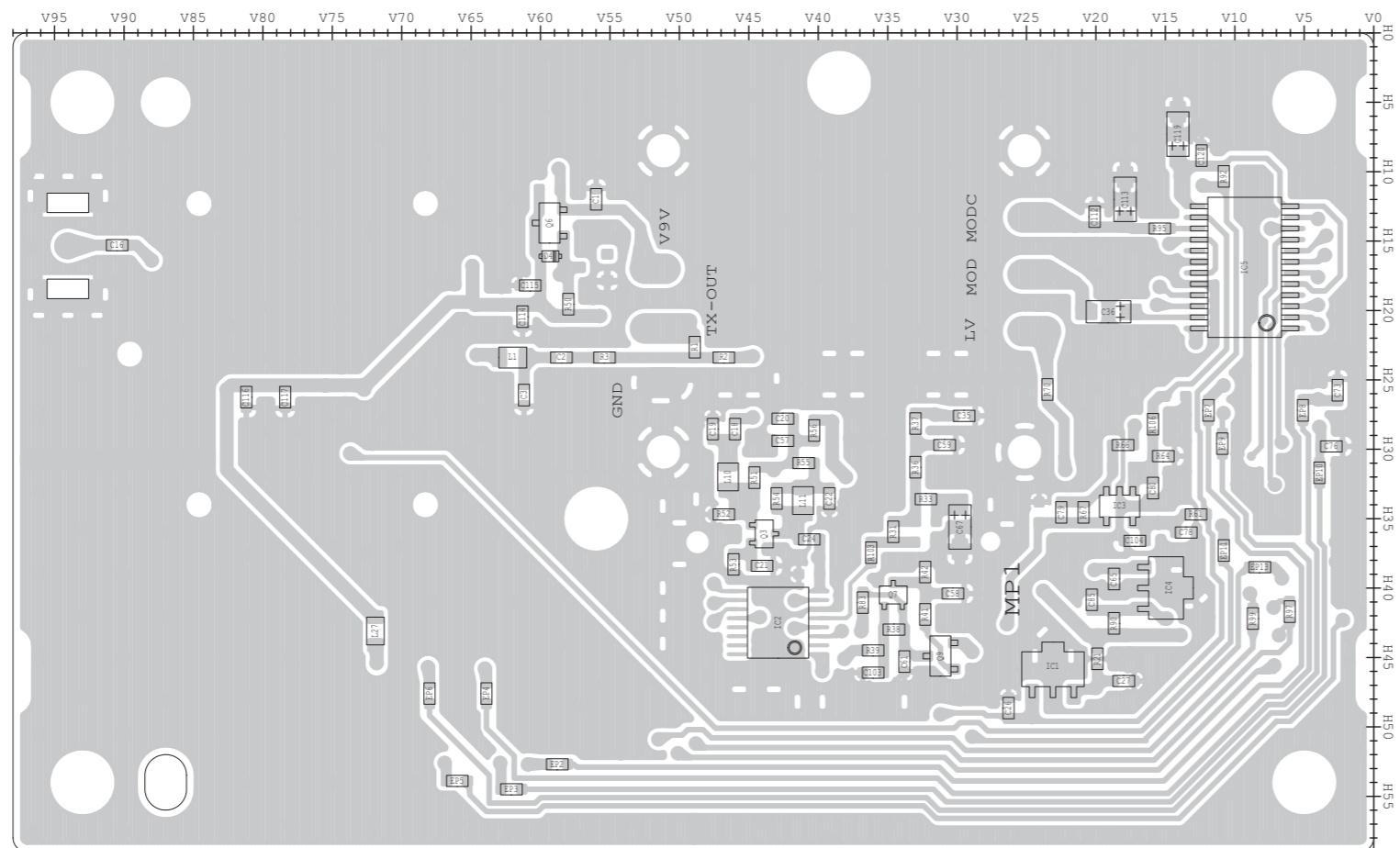
10	GND	FWSWR	RVSWR	PATEMP	PCON	TMUTE2	M9V	M9V	GND	GND	1
----	-----	-------	-------	--------	------	--------	-----	-----	-----	-----	---

to 25PA/50PA UNIT J1

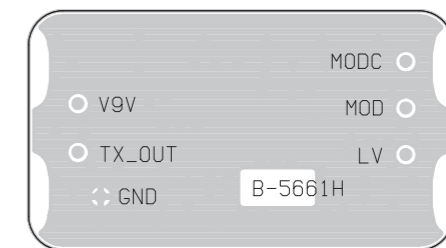


The combination of top side and bottom side of this page shows the actual configuration of P.C. board.

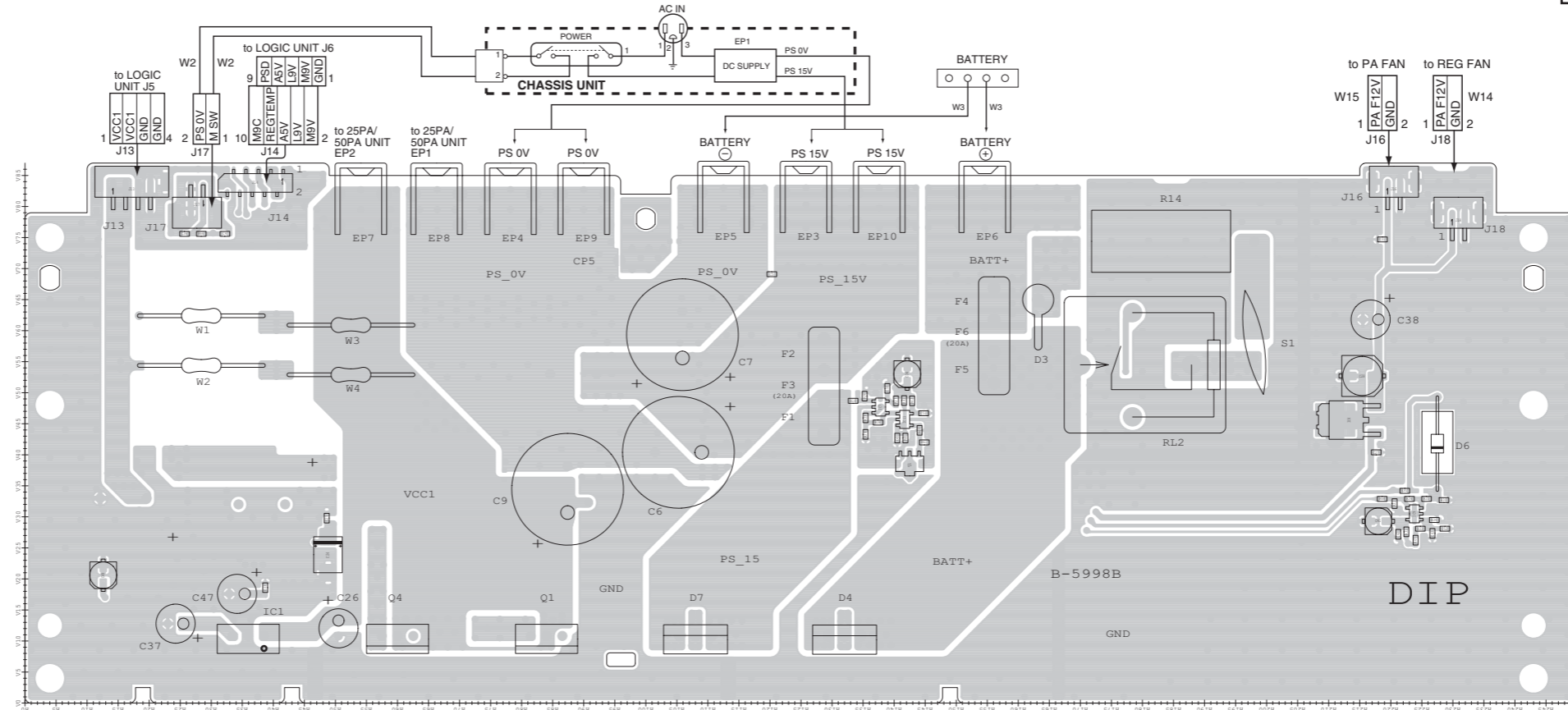
• TX UNIT
(BOTTOM VIEW)



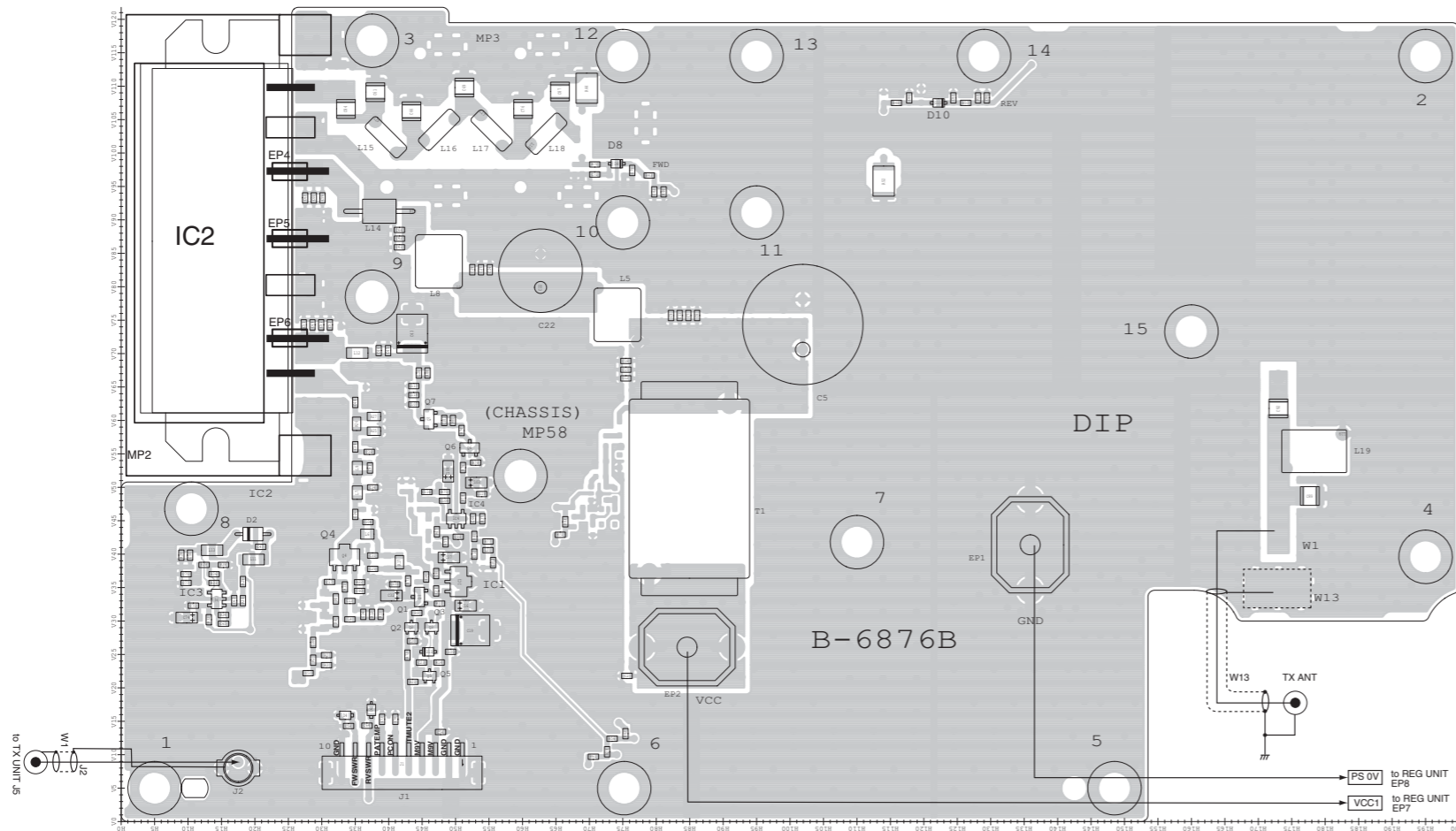
• TVCO UNIT
(BOTTOM VIEW)



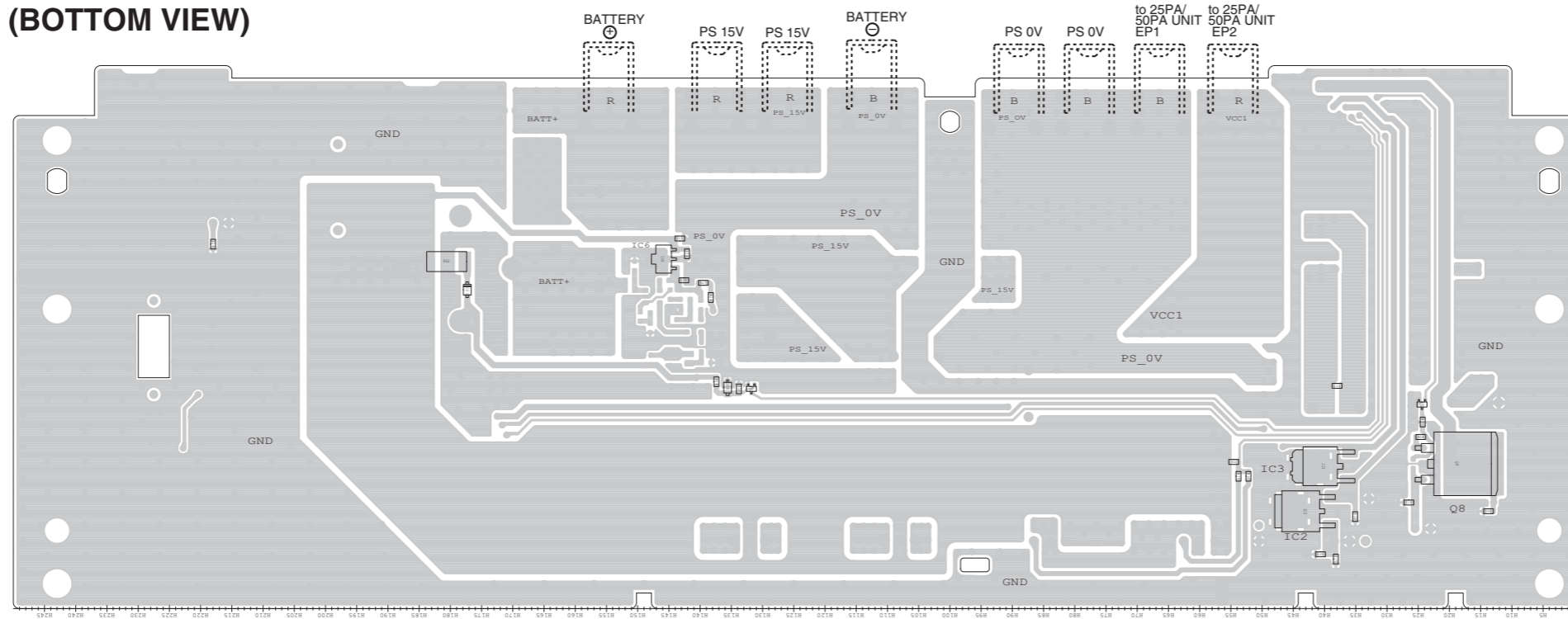
• REG UNIT (TOP VIEW)



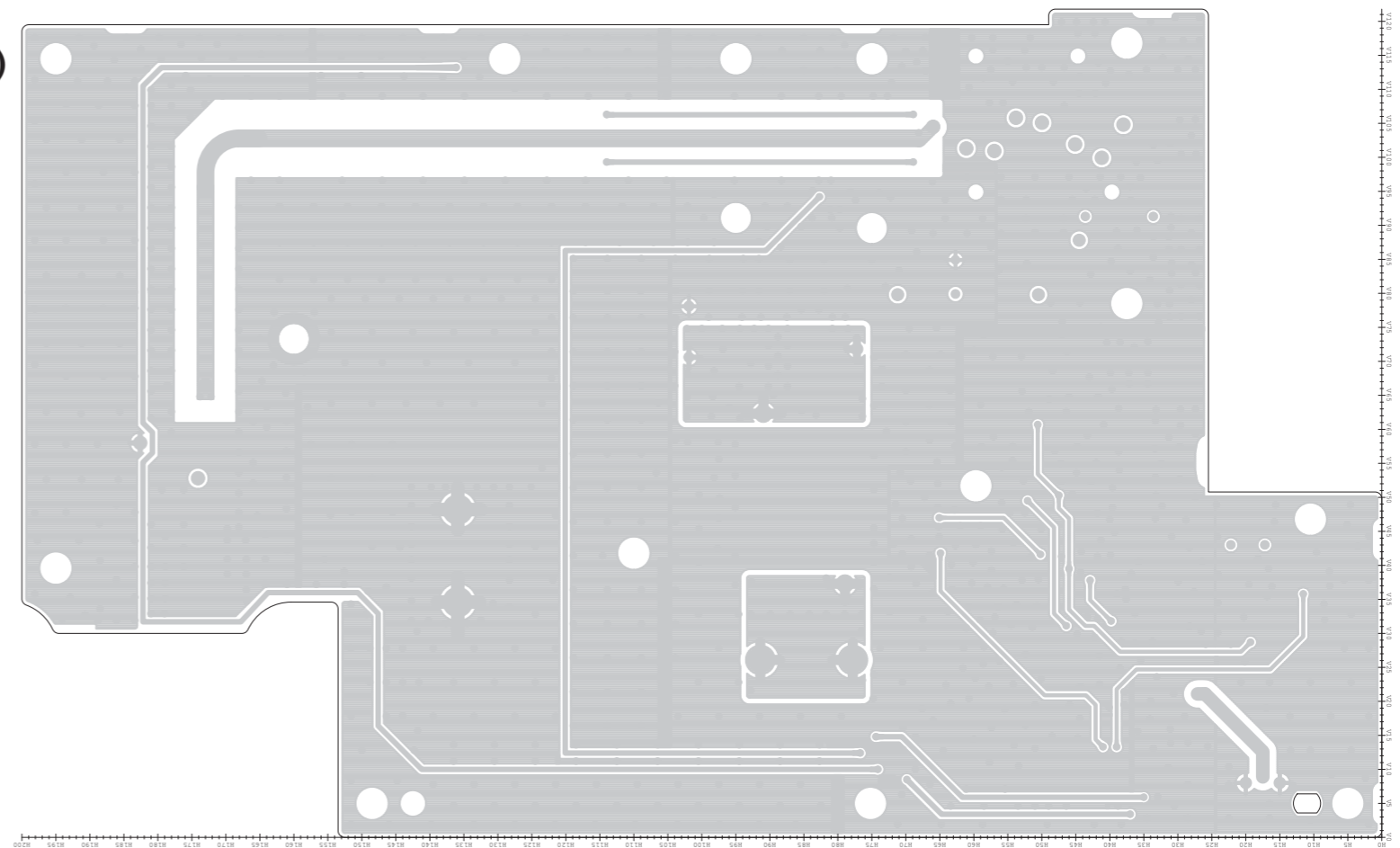
• PA-MOS UNIT (TOP VIEW)



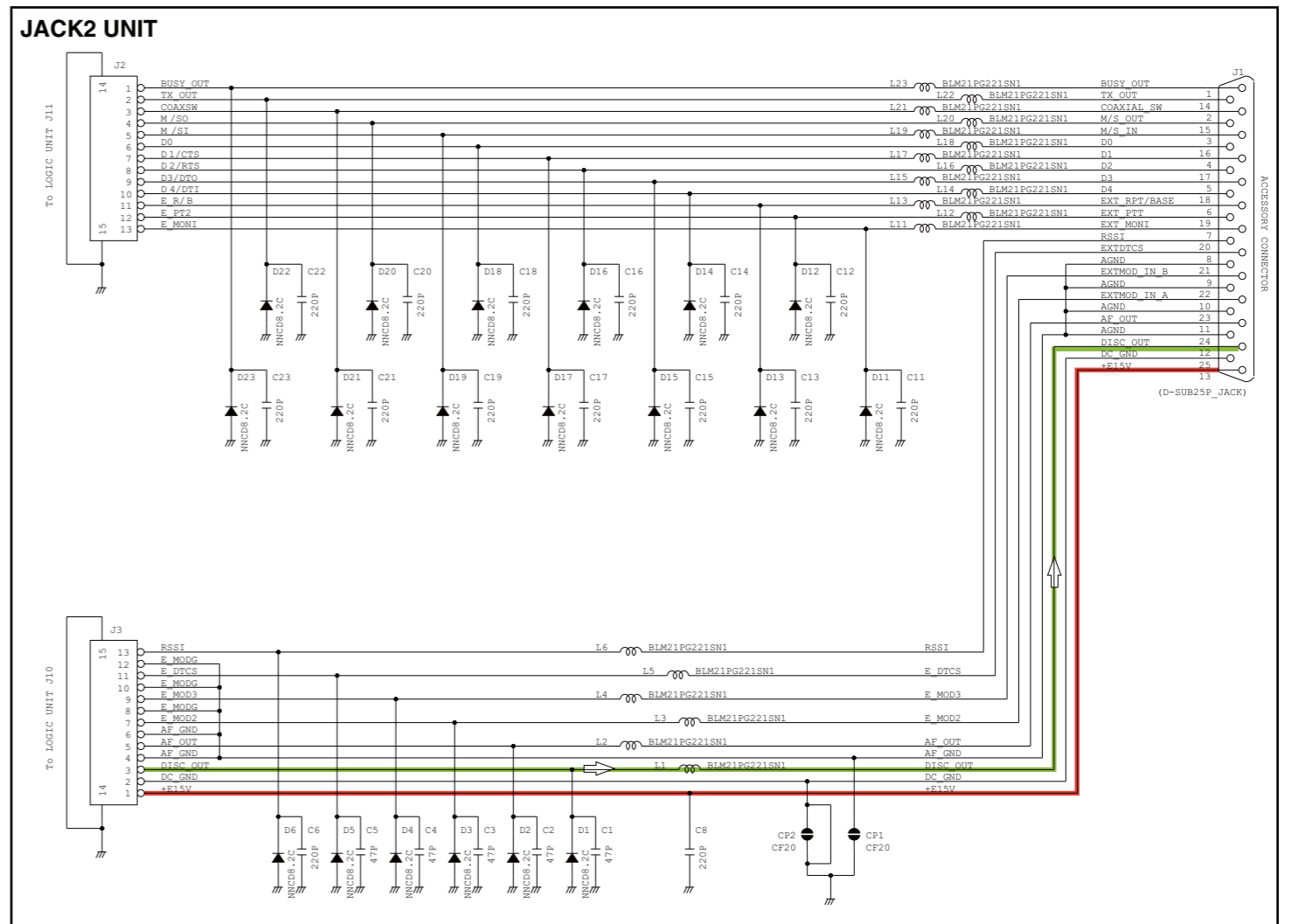
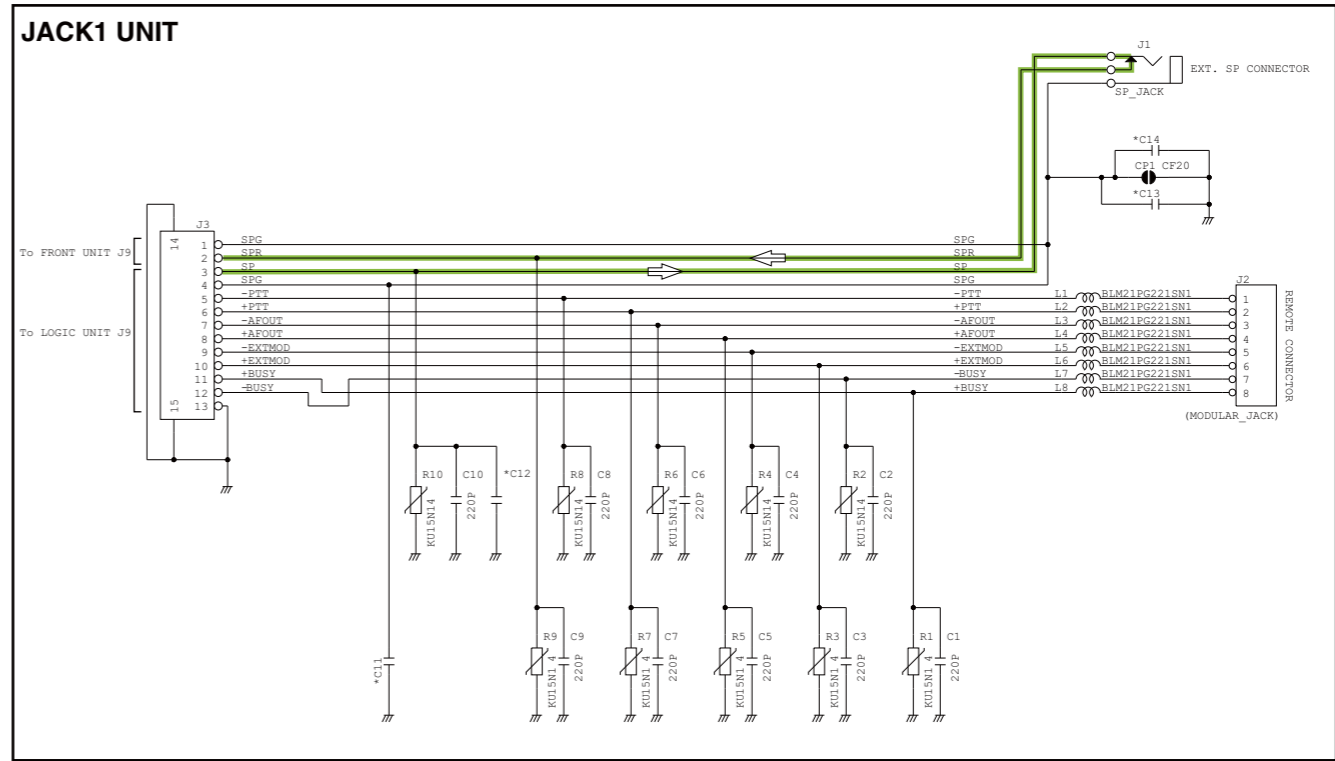
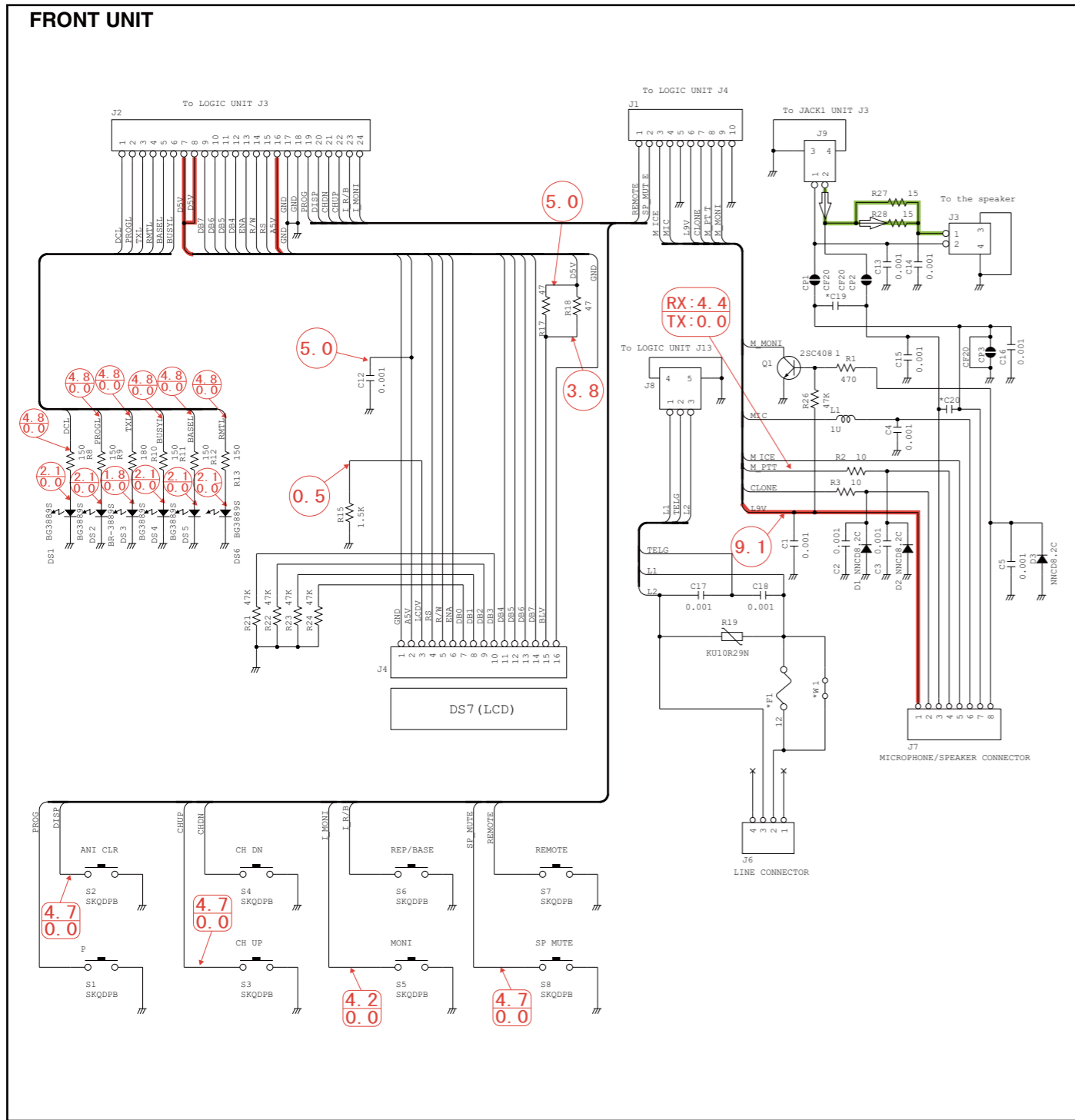
• REG UNIT
(BOTTOM VIEW)



• PA-MOS UNIT
(BOTTOM VIEW)



VOLTAGE DIAGRAM

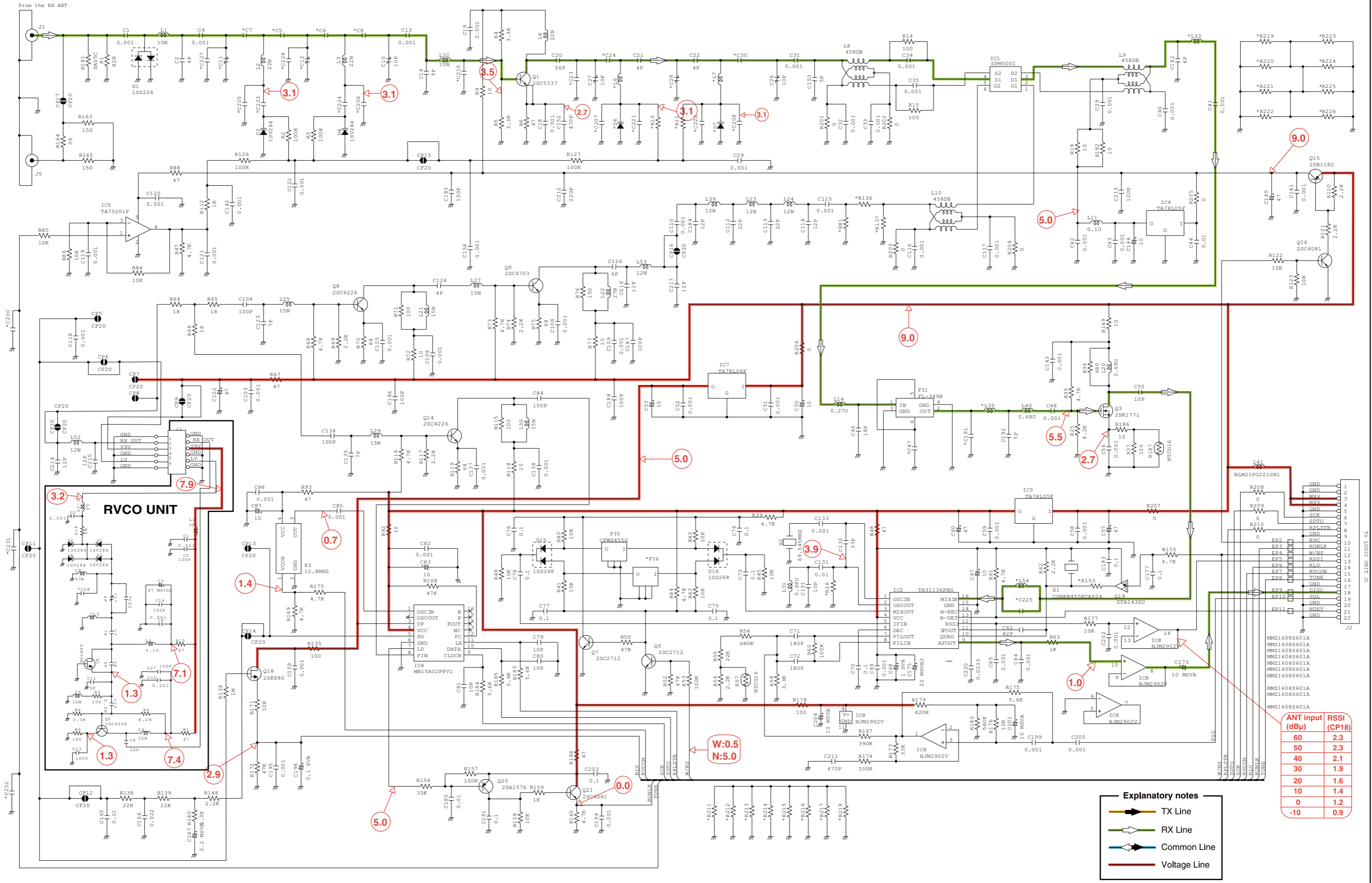


Explanatory notes

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

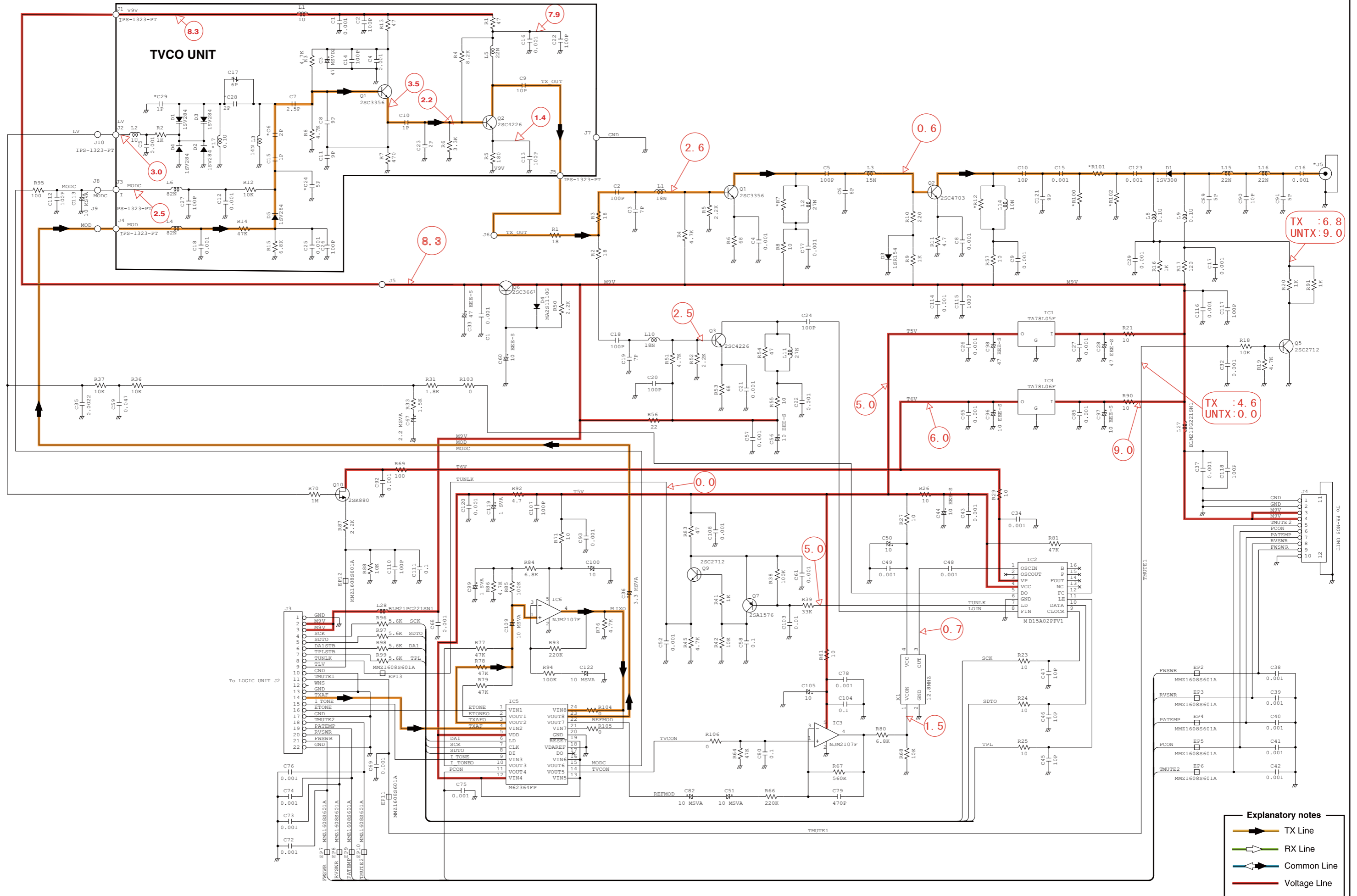
*: Refer to the PARTS LIST for the value and name of component.

RX UNIT



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

TX UNIT



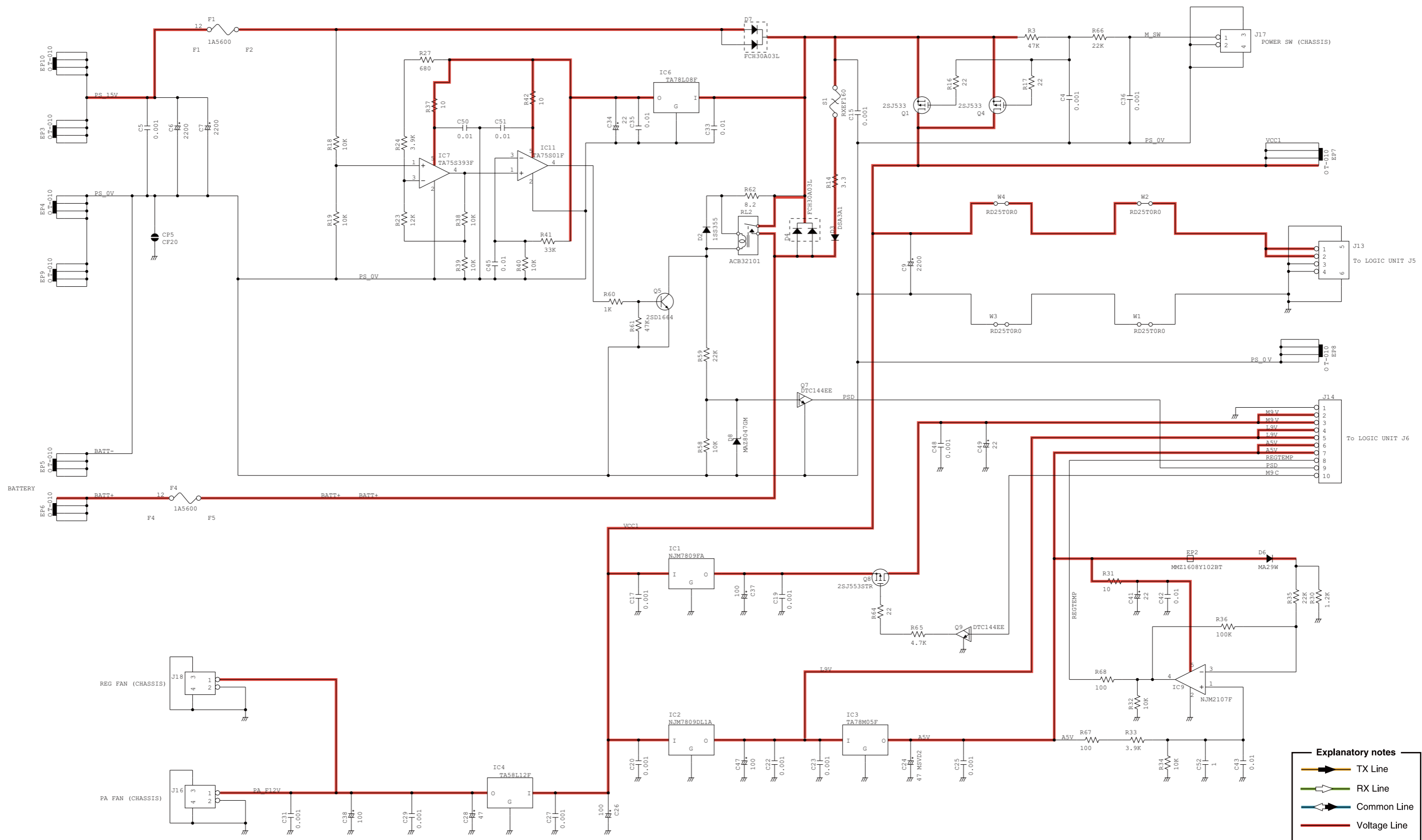
TX : 6.8
UNTX: 9.0

TX : 4.6
UNTX: 0.0

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

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

REG UNIT

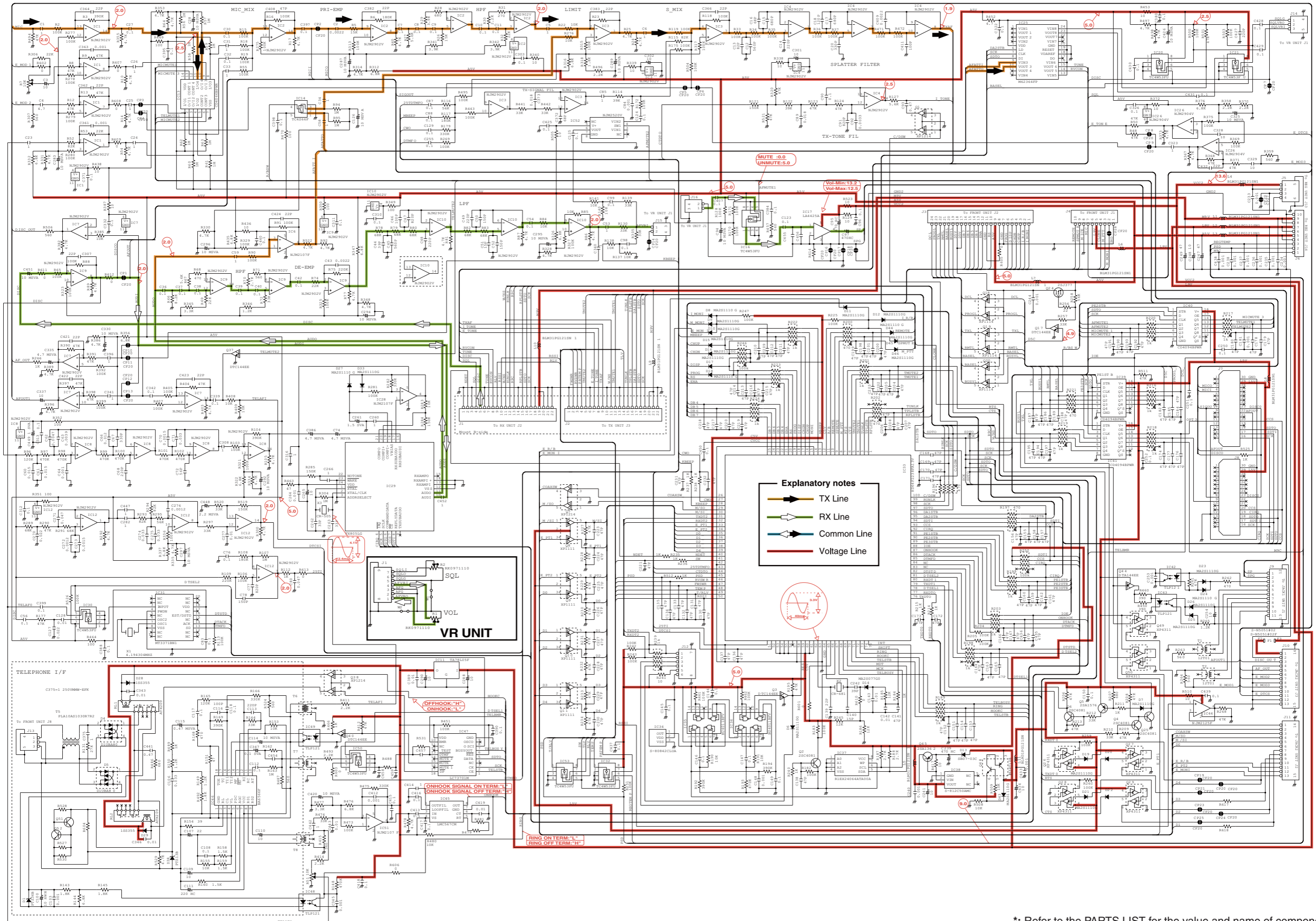


Explanatory notes

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

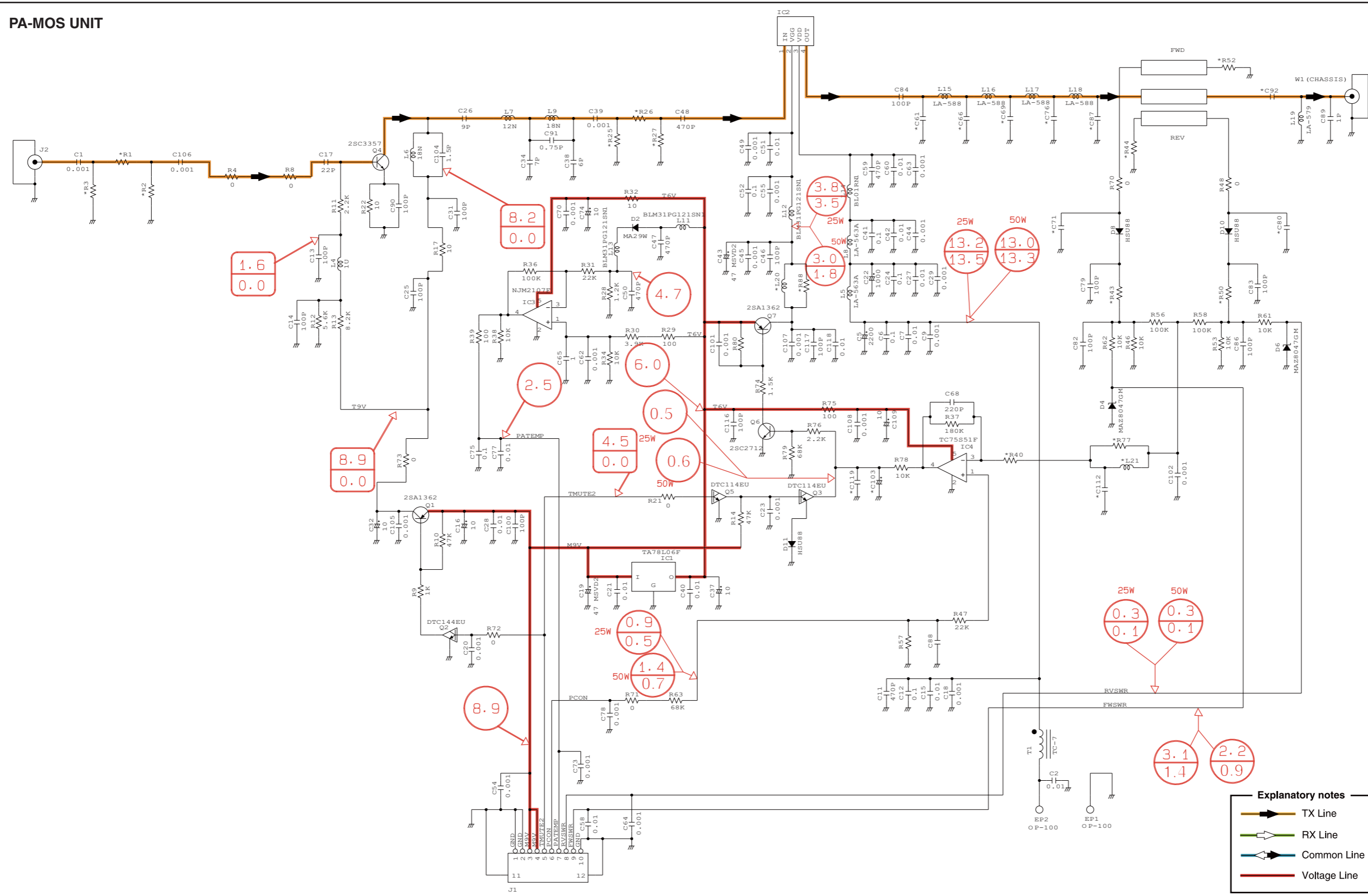
*: Refer to the PARTS LIST for the value and name of component.

LOGIC UNIT



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

PA-MOS UNIT



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



SERVICE MANUAL

UHF FM REPEATER

IC-FR4000

IC-FR4100

INTRODUCTION

This service manual describes the latest service information for the **IC-FR4000/IC-FR4100** UHF FM REPEATER.

Model	Version	Symbol	AC supply	Power
IC-FR4000	U.S.A.	USA1, USA3	100 V–120 V	50 W
	General	GEN1, GEN2, GEN3	100 V–120 V	50 W
	General	GEN5, GEN6, GEN7	220 V–240 V	50 W
IC-FR4100	Europe	EUR1, EUR3	220 V–240 V	25 W
	Germany	FRG1, FRG3	220 V–240 V	25 W

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

DANGER

Use **ONLY** the specified AC voltage described on the AC power socket. Other voltages may cause repeater damage or personal injury.

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

DO NOT apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the repeater's front end.



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

<SAMPLE ORDER>

1110003780 S.IC NJM2902V IC-FR4000 LOGIC UNIT 1 piece
8930056450 2368 6-key IC-FR4000 CHASSIS 5 pieces
1110002750 S.IC TA75S01F IC-FR4100 25PA UNIT 3 pieces
8930060410 2367 module holder IC-FR4100 25PA UNIT 1 piece

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

REPAIR NOTES

1. Make sure a problem is internal before disassembling the repeater.
2. **DO NOT** open the repeater until the repeater is disconnected from AC outlet.
3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
5. **DO NOT** keep power ON for a long time when the repeater is defective.
6. **DO NOT** transmit power into a signal generator or a sweep generator.
7. **ALWAYS** connect a 40 dB or 50 dB attenuator between the repeater and a deviation meter or spectrum analyser when using such test equipment.
8. **READ** the instructions of test equipment thoroughly before connecting equipment to the repeater.

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SECTION 12	VOLTAGE DIAGRAM	

SECTION 1 SPECIFICATIONS

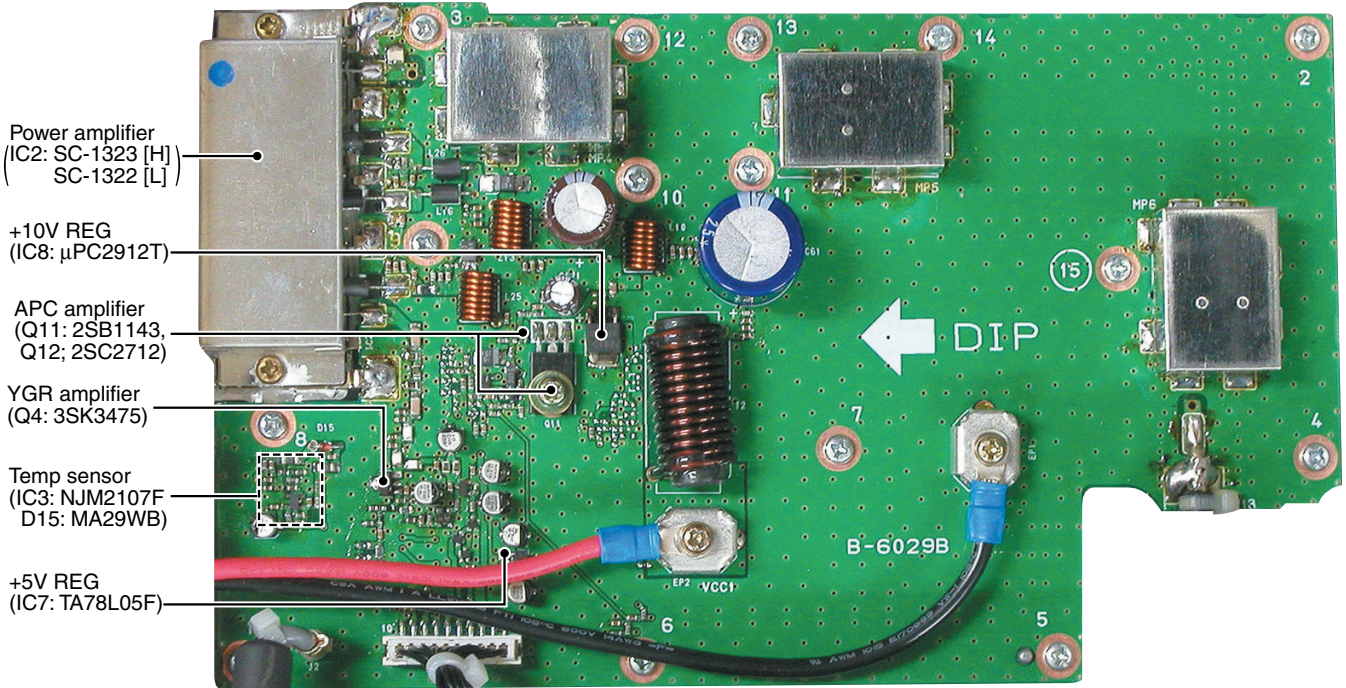
		IC-FR4000	IC-FR4100	
GENERAL	Measurement method	EIA/TIA-603	ETS 300 086	
	Frequency range	Low band ([L]; [USA1], [GEN1], [GEN5], [EUR1], [FRG1]): 400.000–430.000 MHz Middle band ([M]; [GEN2], [GEN6]): 430.000–450.000 MHz High band ([H]; [USA3], [GEN3], [GEN7], [EUR3], [FRG3]): 450.000–480.000 MHz		
	Type of emission	Wide (25 kHz): 16K0F3E Middle (20 kHz): 14K0F3E Narrow (12.5 kHz): 8K50F3E		
	Channel spacing	Wide/Narrow ([USA1], [USA3], [GEN1]–[GEN7], [EUR1], [EUR3]): 25/12.5 kHz Middle/Narrow ([FRG1], [FRG3]): 20/12.5 kHz		
	Frequency stability	±2.5 ppm	±1.0 kHz	
	Number of channels	Max. 32 channels		
	Antenna connector	Type-N × 2 (50 Ω)		
	Power supply requirement	AC	[USA1], [USA3], [GEN1], [GEN2], [GEN3]: 100–120 V [GEN5], [GEN6], [GEN7], [EUR1], [EUR3], [FRG1], [FRG3]: 220–240 V	
		DC	13.6 V (negative ground)	13.2 V (negative ground)
	Current drain (approx.)	TX	20 A (at 50 W)	12 A (at 25 W)
		RX	Max. audio: 2 A Stand-by: 1 A	
	Operating temperature range	–30°C to +60°C (–22°F to +140°F)	–25°C to +55°C	
	Dimensions (proj. not included)	410(W) × 110(H) × 360(D) mm; 16 ⁵ / ₃₂ (W) × 4 ¹¹ / ₃₂ (H) × 14 ³ / ₁₆ (D) inch		
Weight (approx.)	12 kg; 26 ¹⁵ / ₃₂ lb			
TRANSMITTER	RF output power (High/Low)	50/10 W	25/5 W	
	Modulation system	Variable reactance frequency modulation		
	Maximum frequency deviation	[Wide]: ±5.0 kHz, [Middle]: ±4.0 kHz, [Narrow]: ±2.5 kHz		
	Spurious emissions	70 dBc typical	0.25 μW ≤ 1GHz, 1.0 μW > 1 GHz	
	Adjacent channel power	[Wide], [Middle]: 70 dB, [Narrow]: 60 dB		
	Input impedance	600 Ω		
RECEIVER	Receive system	Double-conversion superheterodyne system		
	Intermediate frequencies	1st: 70 MHz, 2nd: 455 kHz		
	Sensitivity (typical)	0.5 μV at 12 dB SINAD	6 dBμV (emf) at 20 dB SINAD	
	Adjacent channel selectivity (typical)	[Wide], [Middle]: 70 dB, [Narrow]: 60 dB		
	Spurious response	70 dB		
	Intermodulation (typical)	70 dB		
	Audio output power	2.5 W typical at 10% distortion with a 4 Ω load		
	Audio output impedance	4 Ω		

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

SECTION 2 INSIDE VIEWS

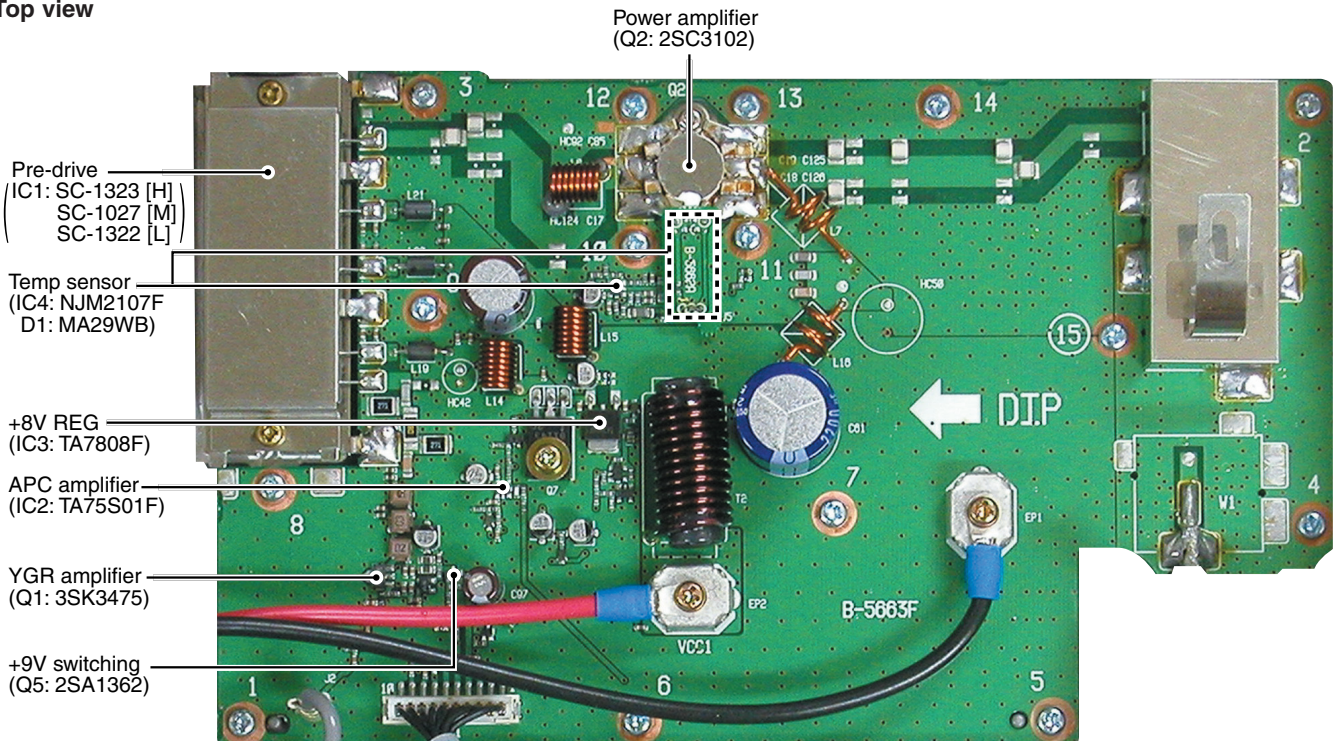
• 25PA UNIT

Top view

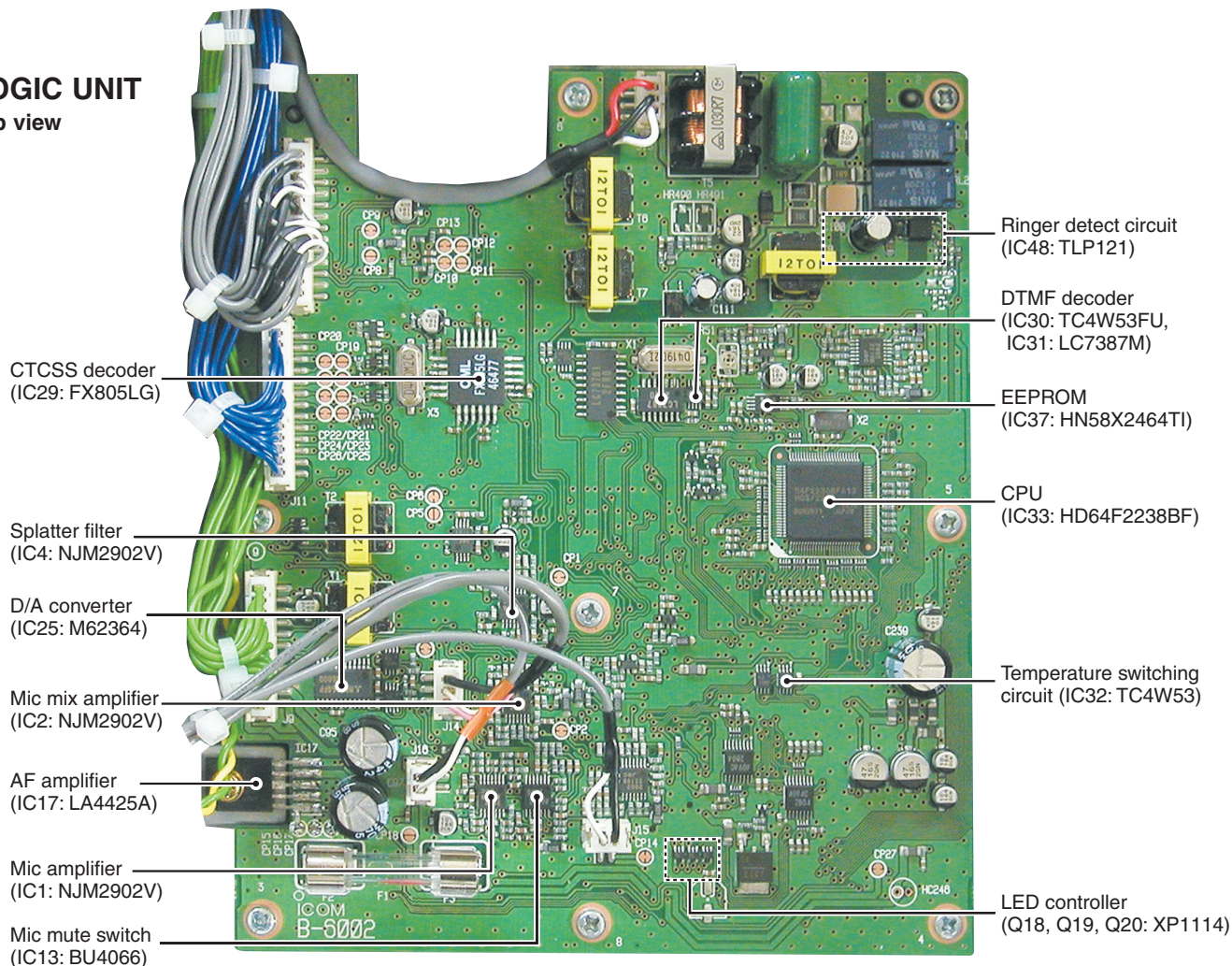


• 50PA UNIT

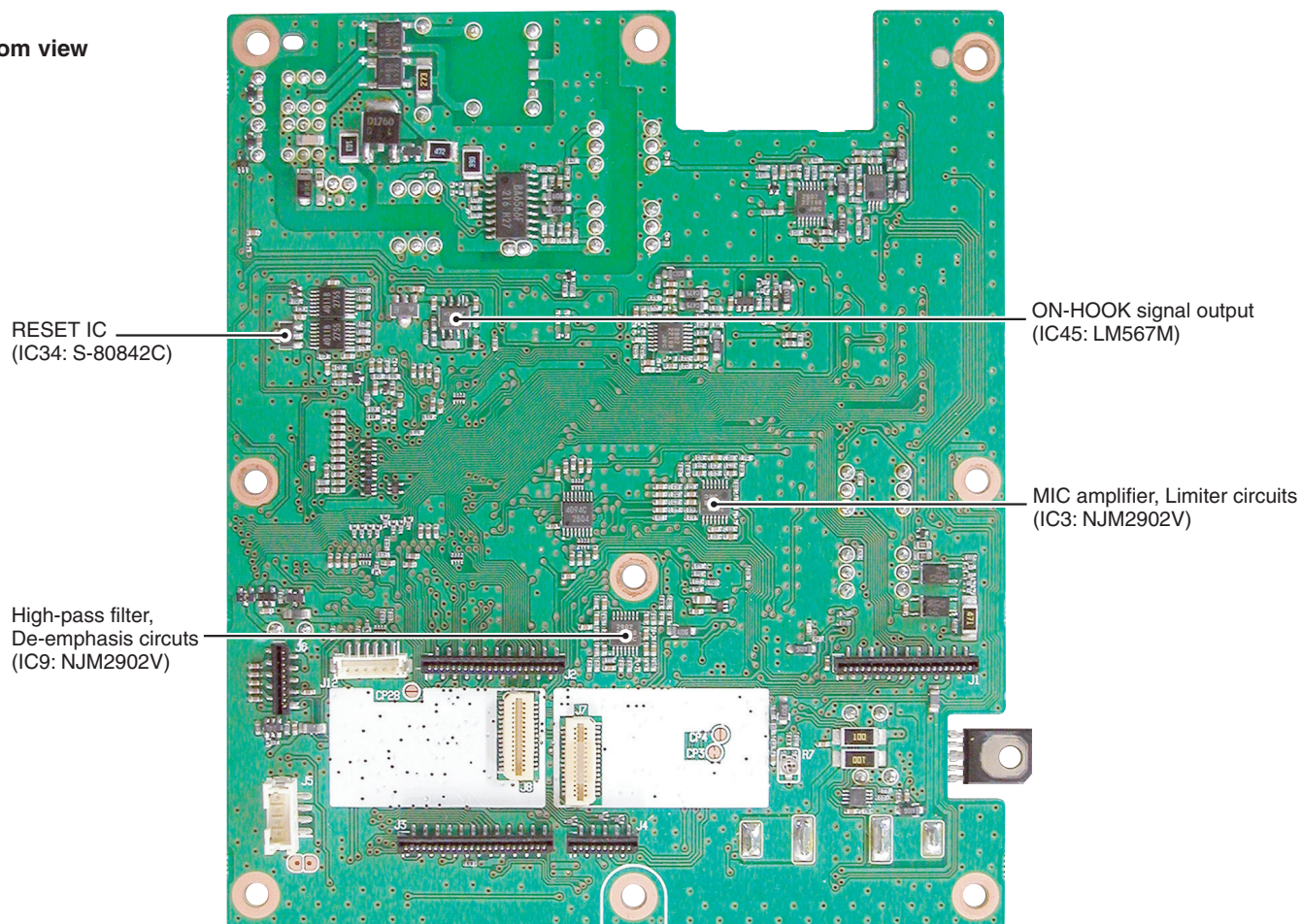
Top view



• **LOGIC UNIT**
Top view

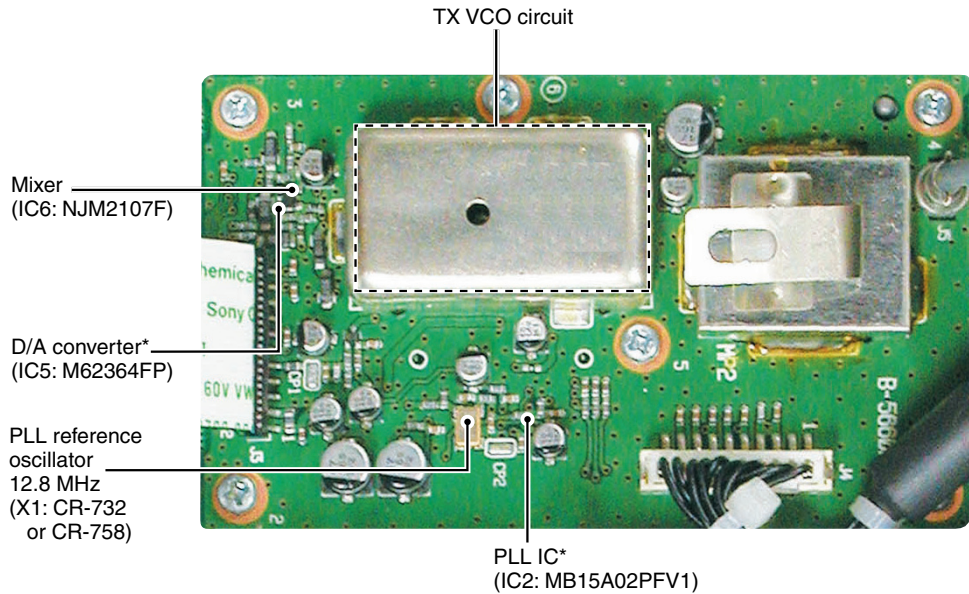


Bottom view



• TX UNIT

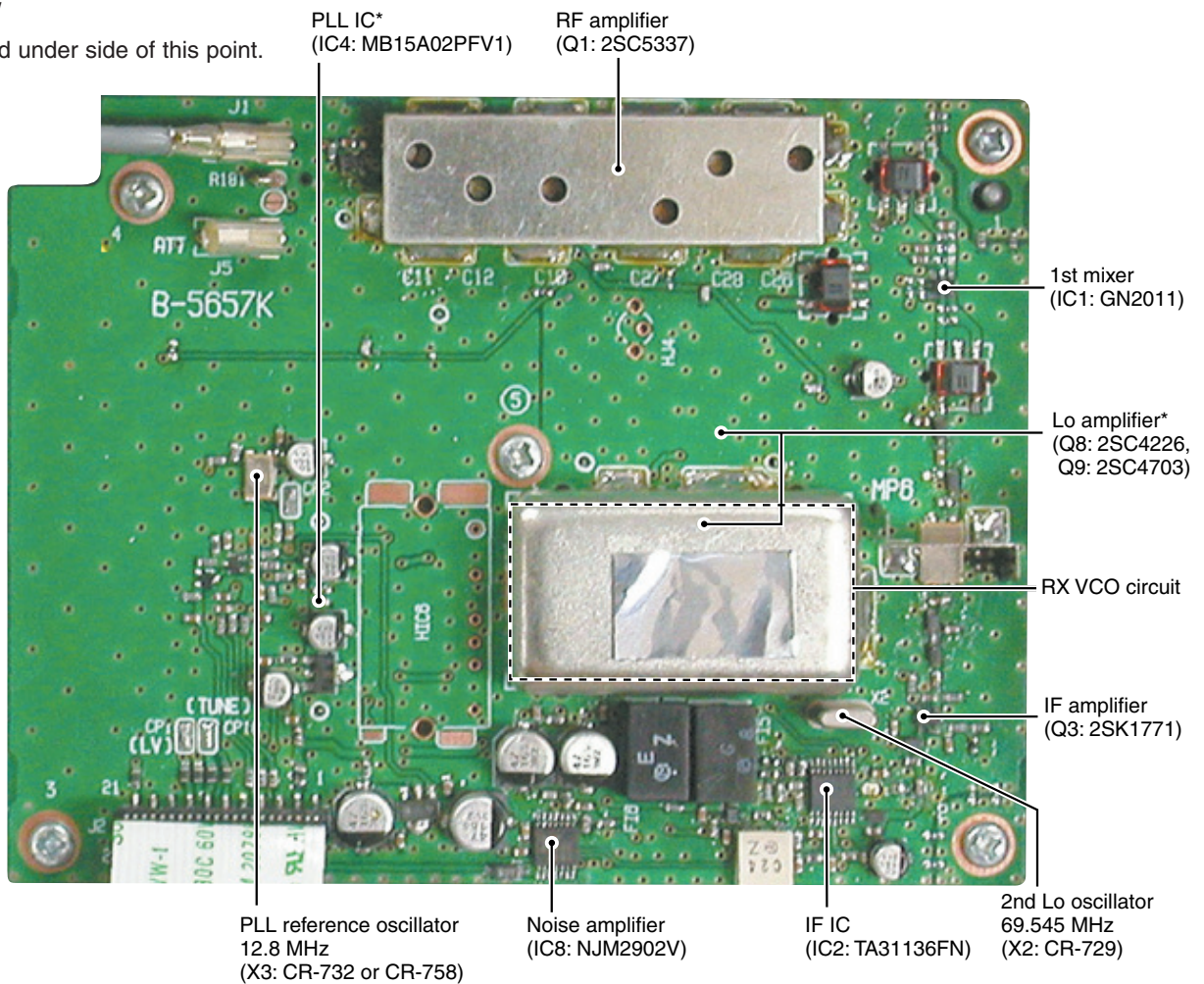
Top view



• RX UNIT

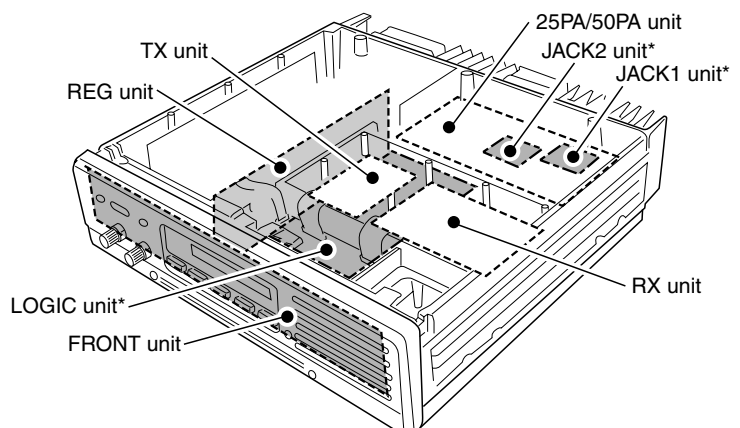
Top view

*: Located under side of this point.



• BOARD LAYOUT

*: Located under side of this point.



SECTION 3 CIRCUIT DESCRIPTION

3-1 RECEIVER CIRCUITS

3-1-1 RF CIRCUIT (RX UNIT)

Received signals from the RX antenna connector enter the RX unit J1 and pass through a tuned bandpass filter (D3, D4, L1–L3, L32, C2, C5–C8, C10–C12, C14, C205, C206, C210) which is controlled by the D/A converter IC (LOGIC unit; IC25). The filtered signals are applied to an RF amplifier (Q1). The amplified signals are applied to a bandpass filter (D6, D7, L6, L7, C21, C22, C24, C26–C28, C30, C207, C208, C221, C222), and are then applied to the 1st mixer circuit.

3-1-2 1ST MIXER AND 1ST IF CIRCUITS (RX UNIT)

The 1st mixer circuit converts the received signals to a fixed frequency of the 1st IF signal with the PLL output frequency. By changing the PLL frequency, only the desired frequency will pass through a crystal filter at the next stage of the 1st mixer.

The filtered signals are applied to the 1st mixer circuit (L8–L10, IC1), and are then mixed with the 1st LO signal from the PLL circuit to produce a 70MHz 1st IF signal.

The 1st IF signal passes through a MCF (Monolithic Crystal Filter; F11) to suppress out-of-band signals. The filtered signal is applied to the 2nd mixer circuit (IC2, pin 16) via the buffer amplifier (Q3).

3-1-3 2ND IF AND DEMODULATOR CIRCUITS (RX UNIT)

The 2nd mixer circuit converts the 1st IF signal to a 2nd IF signal. A double-conversion superheterodyne system improves the image rejection ratio and obtains stable receiver gain.

The amplified signal is applied to the 2nd mixer section of the FM IF IC (IC2, pin 16), and is then mixed with the 2nd LO signal for conversion to a 455 kHz 2nd IF signal.

IC2 contains the 2nd mixer, IF amplifier, quadrature detector, active filter and noise amplifier circuits, etc. The local oscillator section and X2 generate 69.545 MHz for the 2nd LO signal.

The 455 kHz 2nd IF signal is applied to a ceramic bandpass filter (narrow; F15, wide; F16) where unwanted signals are suppressed, and are then applied to the IF amplifier section in the system IC (IC2, pin 5).

The 2nd IF signal is then amplified at the IF amplifier section (IC2, pin 5) and applied to the quadrature detector section (IC2, pins 10, 11 and X1) to demodulate the 2nd IF signal into AF signals.

The AF signals are output from pin 9 (IC2) and are then applied to the AF amplifier circuit on the LOGIC unit.

3-1-5 AF AMPLIFIER CIRCUIT (LOGIC UNIT)

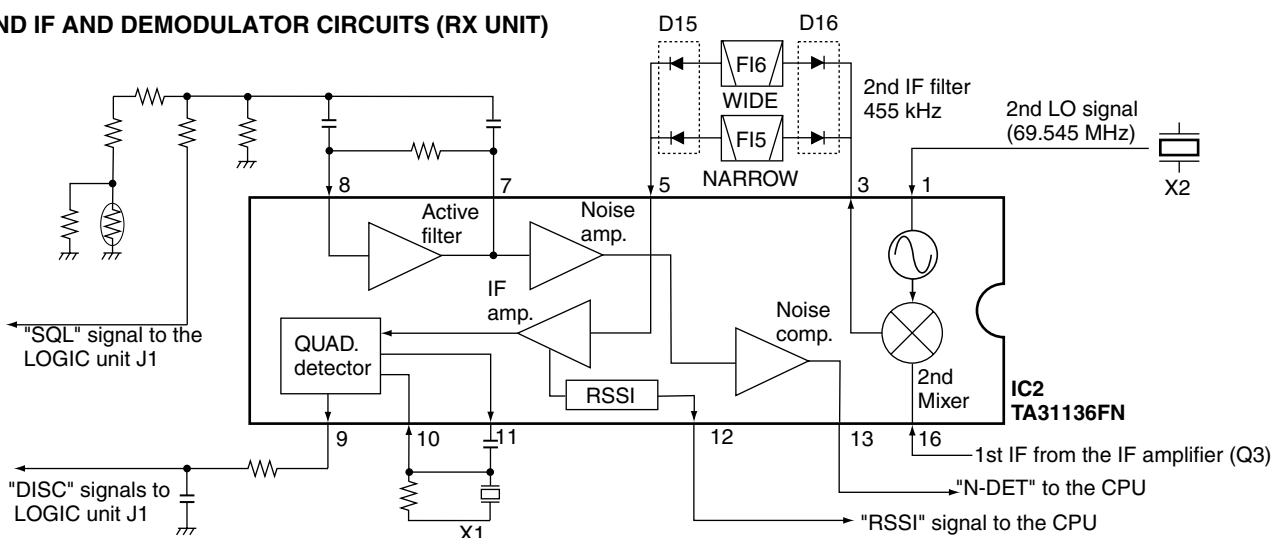
The AF amplifier circuit amplifies the demodulated AF signals to drive a speaker.

The AF signals from the FM IF IC (RX unit; IC2, pin 9) are applied to the buffer amplifier (IC9, pins 8, 9). The amplified signals pass through the high-pass filter (IC9, pins 5, 7, 12, 14) which remove CTCSS or DTCS signals.

The filtered AF signals are output from pin 7 (IC9) and are applied to the de-emphasis circuit (IC9, pins 1, 2) with frequency characteristics of -6 dB/octave, and then pass through a low-pass filter (IC10, pins 1, 3, 5, 7). The filtered signals are applied to the volume control (VR unit; R1) to control the audio level.

The output AF signals from the volume control (VR unit; R1) pass through the analog switch (IC16; pins 1, 7) and are then applied to the AF power amplifier (IC17, pins 1, 4) to drive a speaker.

• 2ND IF AND DEMODULATOR CIRCUITS (RX UNIT)



3-1-6 RECEIVER MUTE CIRCUITS (LOGIC UNIT)

• NOISE SQUELCH

The noise squelch circuit cuts out AF signals when no RF signals are received. By detecting noise components in the AF signals, the squelch circuit switches the AF mute switch.

Some noise components in the AF signals from the FM IF IC (RX unit; IC2, pin 9) are passed through the SQL level controller (VR unit; R2). The level controlled signals are applied to the active filter section in the FM IF IC (RX unit; IC2, pin 8). Noise components about 10 kHz are amplified and output from pin 7 (RX unit; IC2).

The filtered signals are converted to the pulse-type signals at the noise detector section and output from pin 13 (RX unit; IC2).

The NDET signal from the FM IF IC (RX unit; IC2) is applied to the CPU (IC33, pin 40). The CPU analyzes the noise condition and controls the AF mute signal via "AFMUTE1" line (IC40, pin 4) to the AF mute switch (IC16).

• CTCSS AND DTCS

The tone squelch circuit detects AF signals and opens the squelch only when receiving a signal containing a matching subaudible tone (CTCSS or DTCS).

The CTCSS signal passes through the low-pass filter circuit (IC8, pins 1, 3, 5, 7, 8, 10) and is then applied to the CTCSS decoder IC (IC29). The detected signal is applied to the CPU (IC33) via the serial signal line.

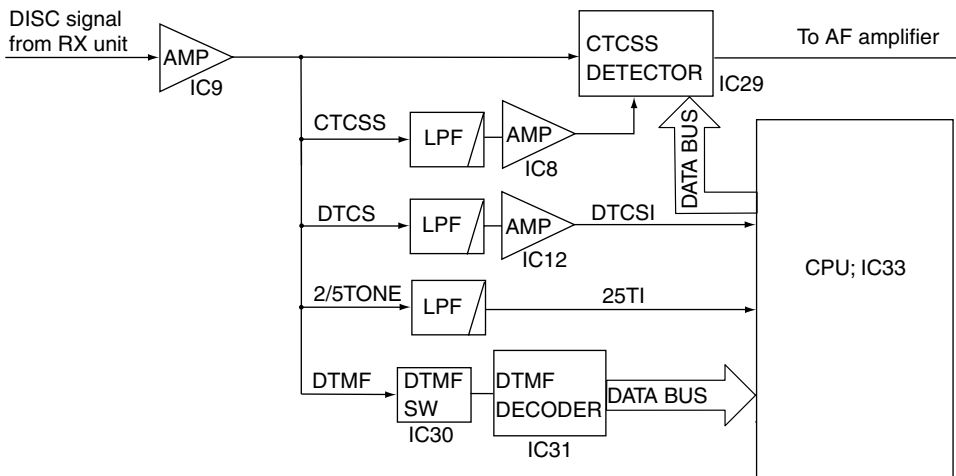
The DTCS signal passes through the low-pass filter circuit (IC12), and is then applied to the DTCS decoder which is inside the CPU (IC33, pin 52) via the "DTCSI" line.

The 2/5TONE signals are pass through the low-pass filter circuit (IC12), and are then applied to the 2/5TONE decoder which is inside the CPU (IC33 pin 51) via "25TI" line.

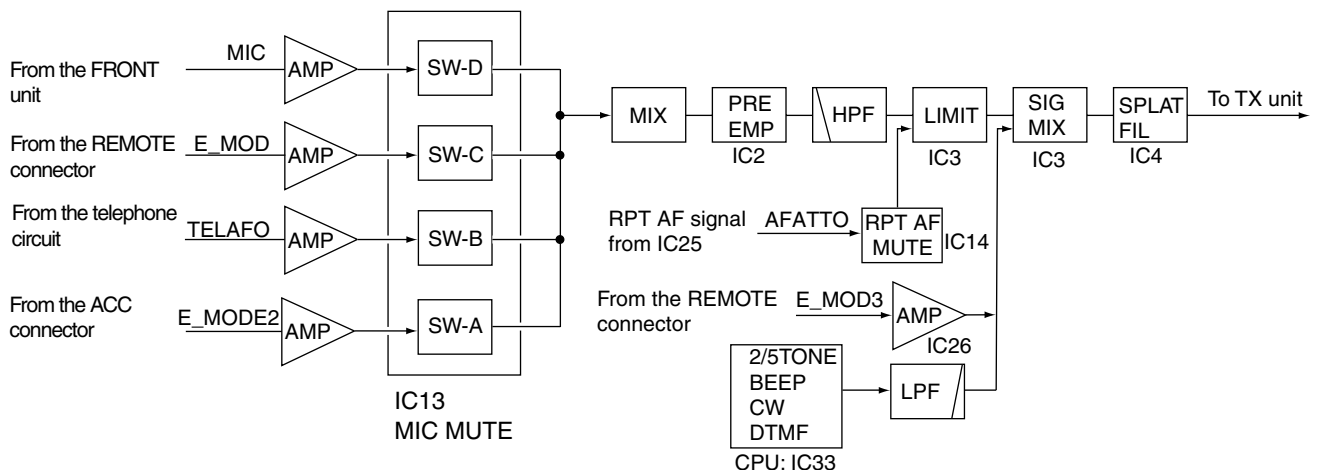
The DTMF signal passes through the DTMF switch IC (IC30), and is then applied to the DTMF decoder (IC31). The decoded signal is applied to the CPU (IC33, pins 82, 85, 86). The CPU analyzes the DTMF signal.

The DTMF switch (IC30) selects the signal from telephone line or RX unit.

• TONE SIGNALS CIRCUITS (LOGIC UNIT)



• AF AMPLIFIER CIRCUITS (LOGIC UNIT)



3-2 TRANSMITTER CIRCUITS

3-2-1 AF AMPLIFIER CIRCUIT (LOGIC UNIT)

• IN CASE OF THE AF SIGNAL FROM THE MIC JACK

The AF signals (MIC) from the MIC jack (FRONT unit; J7) are amplified at the AF amplifier (IC1). The amplified signals are mixed with the “E_MOD”, “E_MOD2” and “TELAFO” signals from IC1. The mixed signals pass through the high-pass filter (IC2, pins 1, 2, 6, 7) via the pre-emphasis circuit (IC2, pins 8, 9).

The filtered signals are applied to the limiter amplifier (IC3), and are then mixed with the DTMF signal from the CPU (IC33, pin 43) via the TX-signal filter (IC3). The mixed signals are applied to the splatter filter (IC4), and are then applied to the TX unit.

• IN CASE OF THE AF SIGNAL FROM THE ANTENNA CONNECTOR

The AF signals (received signals) from the antenna connector (RX unit; J1) are applied to the buffer amplifier (IC9), CTCSS detector (IC29) and AF amplifier (IC6). The amplified signals are applied to the D/A converter IC (IC25, pins 8, 9) to adjust to repeater AF level. The adjusted AF signals pass through the RPT AF mute switch (IC14), and are applied to the limiter amplifier (IC3).

• IN CASE OF THE 2/5TONE SIGNALS

The 2/5TONE signals from the CPU (IC33, pin 43) are applied to the mixer amplifier (IC3) via TX signal filter circuit (IC3, pins 8, 10, 12, 14).

• IN CASE OF THE DTMF SIGNALS

The DTMF signals from dialler IC (IC47, pin 14) are applied to the mixer amplifier (IC3) via the TX signal filter circuit (IC3).

• IN CASE OF THE CTCSS AND DTCS SIGNALS

The CTCSS and DTCS signals from the CPU (IC33, pin 44) are applied to the TX-tone filter (IC4, pins 12, 14). The filtered signals are applied to the converter IC (TX unit; IC5) to adjust tone level, and are then mixed with AF signal at the mixer amplifier IC (TX unit; IC6).

3-2-2 MODULATION CIRCUIT (TX UNIT)

The modulation circuit modulates the VCO oscillating signal (RF signal) using the AF signals.

The filtered signals from the LOGIC unit are applied to the D/A converter (IC5, pin 4) to adjust AF level. The adjusted signals are applied to the mixer amplifier IC (IC6, pin 1) with the CTCSS/DTCS signals.

The CTCSS/DTCS signals from the CPU (LOGIC unit; IC33, pin 44) pass through the TX-tone filter (LOGIC unit; IC4), and are then applied to the D/A converter (IC5 pin9) to adjust tone level.

The mixed signals are applied to the TX VCO circuit to modulate the oscillated signal (TVCO unit; D5). The TVCO output is amplified at the buffer amplifiers (Q1, Q2), and is then applied to the drive amplifier circuit on the 50PA (IC-FR4100; 25PA) unit.

3-2-3 DRIVE AMPLIFIER CIRCUIT

The drive amplifier circuit amplifies the VCO oscillating signal to the level needed at the power amplifier.

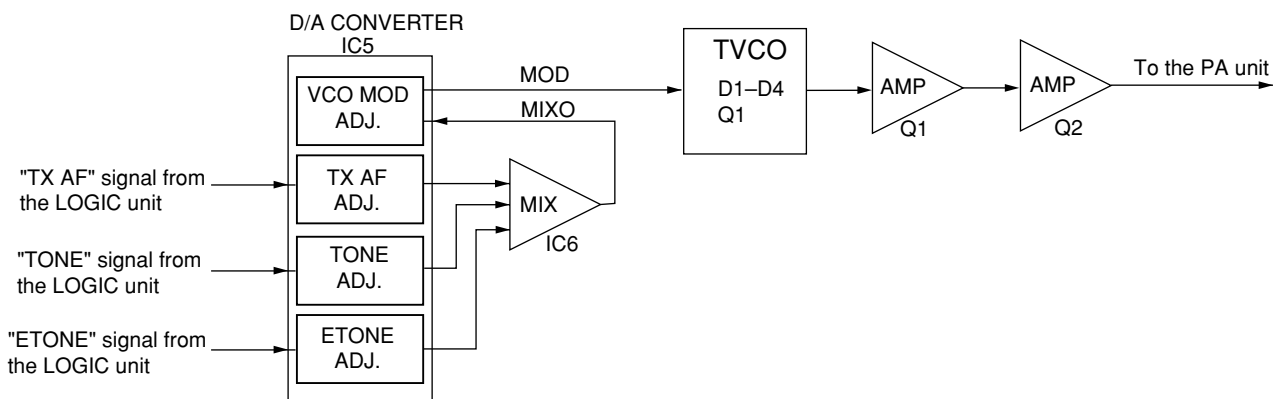
• IC-FR4000 (50PA UNIT)

The RF signal from the TX unit pass through the attenuator circuit (R12–R14), the low-pass filter circuit (L1, L13, C3, C4), and is then applied to the YGR amplifier (Q1). The amplified signal passes through the low-pass filter circuit (L4, L5, C8, C9, C56, C66), the attenuator circuit (R3–R5), and is then applied to the pre-drive amplifier IC1.

• IC-FR4100 (25PA UNIT)

The RF signal from the TX unit pass through the low-pass filter circuit (L19, L22, C112, C60), is applied to the pre-drive (Q4) to amplify the level needed at the power amplifier (IC2). The amplified signal passes through the low-pass filter circuit (L23, L24, C113–C116), the attenuator circuit (R29, R31, R32), and is then applied to the power amplifier (IC2).

• MODULATION CIRCUITS (TX UNIT)



3-2-4 POWER AMPLIFIER CIRCUIT (50PA OR 25PA UNIT)

The power amplifier circuit amplifies the driver signal to an output power level.

• IC-FR4000 (50PA UNIT)

The RF signal from the pre-drive amplifier (IC1) is applied to the power amplifier (Q2) to obtain 50 W of RF power.

The amplified signal from the power amplifier (Q2) is passed through the low-pass filter circuit (L8–L10, C24–C26, C27, C29–C32) and APC detector (D2, D4, R8, R9, R25, R26, R29, R30, C88, C89), and are then applied to the TX antenna connector (CHASSIS unit; J1).

Control voltage for the pre-drive amplifier (IC1, pin 2) comes from the APC amplifier (IC6, IC7, D10) to obtain stable output power. The transmit mute switch (Q3, Q5, Q8, Q9, D11) controls YGR amplifier and pre-drive amplifier when transmit mute is necessary.

• IC-FR4100 (25PA UNIT)

The amplified signal from the power amplifier (IC2) is passed through the low-pass filter circuit (L6, L7, L20, L21, C1–C3, C98, C99, C117) and APC detector (D2, D4, R7, R8, R20, R21, R25, R26, R73, C78, C79), and is then applied to the TX antenna connector (CHASSIS unit; J1).

Control voltage for the pre-drive (Q4) and power amplifier (IC2) comes from the APC amplifier (IC1, Q9, Q10) to obtain stable output power. The transmit mute switch (Q7, Q8) controls the pre-drive (Q4) and power amplifier (IC2) when transmit mute is necessary.

3-2-5 APC CIRCUIT (50PA OR 25PA UNIT)

• IC-FR4000 (50PA UNIT)

The APC circuit protects the power amplifier from a mismatched output load and stabilizes the output power.

The APC detector circuit detects forward signals and reflection signals at D2 and D4 respectively. The combined voltage become minimum level when the antenna impedance is matched at 50 Ω , and the voltage is increased when it is mismatched.

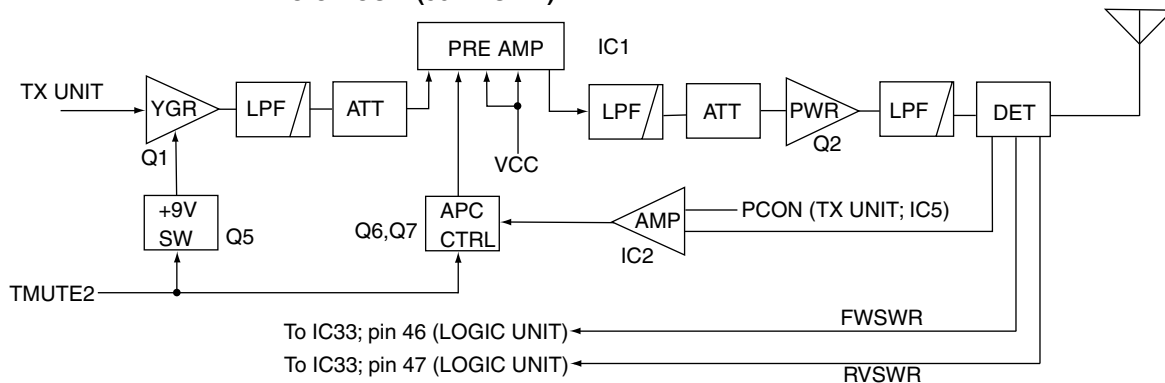
The detected voltage is applied to the APC amplifier (IC2, pin 3), and the power setting “PCON” signal from the D/A converter (TX unit; IC5), controlled by the CPU (LOGIC unit; IC33), is applied to APC amplifier (IC2, pin 1) for reference. When antenna impedance is mismatched, the detected voltage exceeds the power setting voltage. Then the output voltage of the APC amplifier (IC2, pin 4) controls the input current of the drive amplifier (IC1, pin 2) to reduce the output power.

• IC-FR4100 (25PA UNIT)

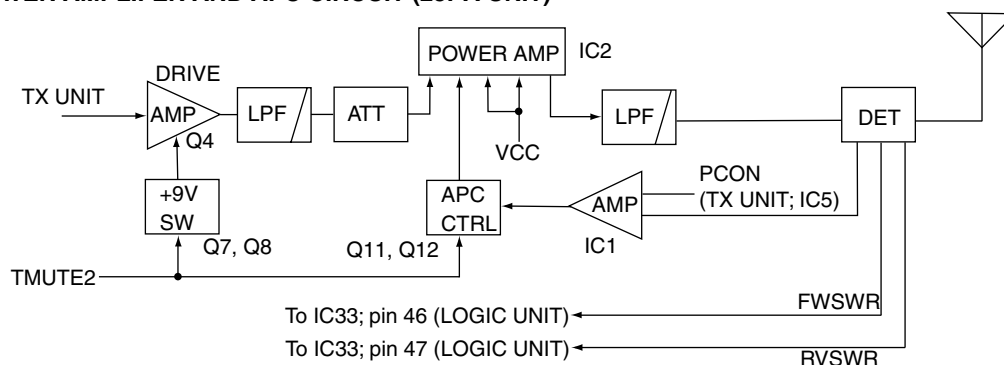
The APC detector circuit detects forward signals and reflection signals at D2 and D4 respectively. The combined voltage become minimum level when the antenna impedance is matched at 50 Ω , and the voltage is increased when it is mismatched.

The detected voltage is applied to the APC amplifier (IC1 pin 3), and the power setting “PCON” signal from the D/A converter (TX unit; IC5), controlled by the CPU (LOGIC unit; IC33), is applied to the the APC amplifier (IC1 pin 1) for reference. When antenna impedance is mismatched, the detected voltage exceeds the power setting voltage. Then the output voltage of the APC amplifier IC (IC1, pin 4) controls the input current of the power amplifier IC (IC2, pin 2) to reduce the output power.

• POWER AMPLIFIER AND APC CIRCUIT (50PA UNIT)



• POWER AMPLIFIER AND APC CIRCUIT (25PA UNIT)



3-3 PLL CIRCUITS

3-3-1 GENERAL

Each receiver and transmitter circuit has an independent PLL circuit for controlling frequencies. All PLL circuits are shielded and installed on the RX and TX units.

PLL circuits steadily oscillate the transmit frequency and the receive local frequency. The PLL output frequency is controlled by divided ratio (N-data) of the programmable divider.

3-3-2 RECEIVER PLL CIRCUIT (RX UNIT)

The PLL IC (IC4) which includes in the prescaler, the programmable counter and the phase comparator generates the 1st LO frequency with the VCO circuit (RVCO unit; Q1, D1–D4). The PLL IC sets the divided ratio which bases on N-data from the CPU (LOGIC unit; IC33) to control the programmable counter. The PLL IC compares a phases of the VCO signal with the reference oscillator frequency, and is then applied to the VCO circuit (RVCO unit; Q1, D1–D4).

3-3-3 RECEIVER REFERENCE OSCILLATOR CIRCUIT (RX UNIT)

The 12.8 MHz reference frequency is produced by the oscillator (X3). The frequency is adjusted by the D/A converter IC (LOGIC unit; IC25). The reference frequency is applied to the PLL IC (IC4, pin 1).

3-3-4 RECEIVER VCO CIRCUIT (RVCO UNIT)

The VCO circuit (D1–D4, Q1) generates the receive frequency. The signal is applied to the buffer amplifier (Q2), and is applied to the PLL IC (RX unit; IC4). The signal is amplified at the buffer amplifiers (RX unit; Q8, Q9), and is then applied to the 1st mixer circuit (RX unit; IC1) as 1st LO signal.

A part of the signal is applied to the PLL IC (RX unit; IC4) via the amplifier (RX unit; Q14) as RX PLL lock voltage.

3-3-5 TRANSMITTER PLL CIRCUIT (TX UNIT)

The PLL IC (IC2) which includes in the prescaler, the programmable counter and the phase comparator. The PLL IC sets the divided ratio which bases on N-data from the CPU (LOGIC unit; IC33) to control the programmable counter. The PLL IC compares a phases of the VCO signal with the reference oscillator frequency, and is then applied to the VCO circuit (TVCO unit; Q1, D1–D4).

3-3-6 TRANSMITTER REFERENCE OSCILLATOR CIRCUIT (TX UNIT)

The 12.8 MHz reference frequency is produced by the oscillator (X1). The frequency is adjusted by the D/A converter IC (IC5, pin 14). The reference frequency is applied to the PLL IC (IC2, pin 1).

3-3-7 TRANSMITTER VCO CIRCUIT (TVCO UNIT)

The VCO circuit (Q1, D1–D4) generates the transmit frequency. The signal is applied to the buffer amplifier (Q2) and is then applied to the PLL IC (TX unit; IC2) and buffer amplifier (TX unit; Q1, Q2). The amplified signal is applied to the PA unit.

A part of the signal is applied to the PLL IC (TX unit; IC4) via the amplifier (TX unit; Q3) as TX PLL lock voltage.

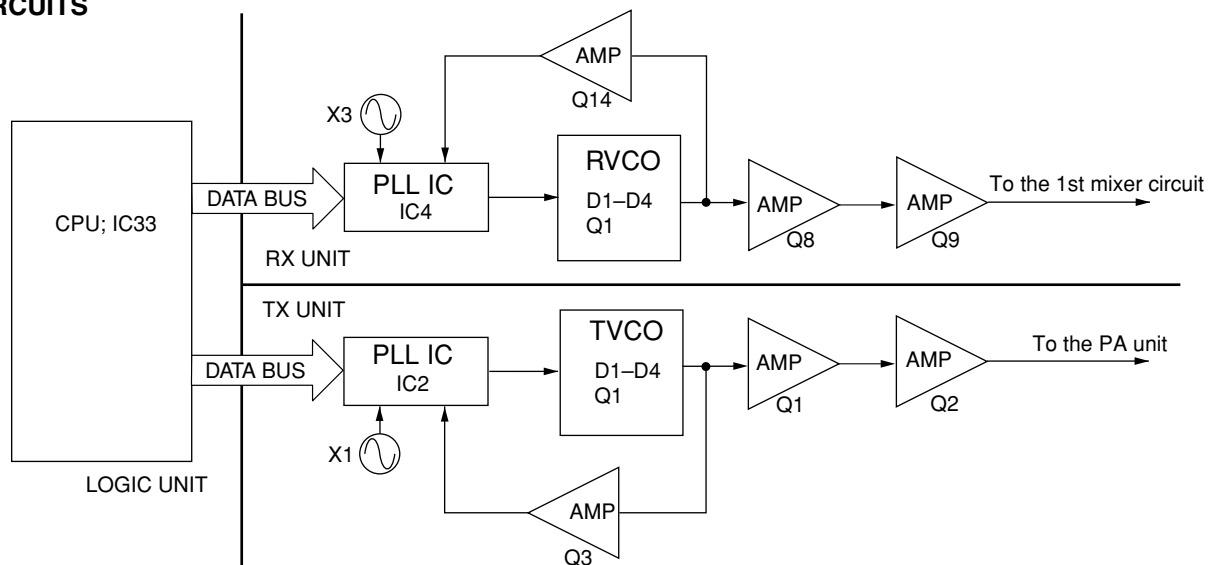
3-4 OTHER CIRCUITS

3-4-1 TELEPHONE IF CIRCUIT (LOGIC UNIT)

The signals from the telephone line (FRONT, J13) are applied to the ringer detect circuit (C100, C103, C375, R131, D1, D5, R143, R145, IC48). The detected signals are applied to the CPU (IC33, pin 73) via "RING" line. The "HOOKC" signal from the CPU (IC33, pin 72) and the "DP" signal from IC47 are applied to the hook switch (RL1, RL2) to off-hook.

Received AF signals from the RX unit pass through the high-pass filter, de-emphasis and low-pass filter circuits. The filtered AF signals are amplified at IC7 and are then applied to the network IC (IC46, pin 16) via "T6" signal. The output signals from IC46 are applied to the J13 (FRONT unit).

• PLL CIRCUITS



AF signals from J13 (FRONT unit) are applied to the network IC (IC46). The output signals from IC46 (pins 8, 9) are applied to the AF amplifier IC (IC1, pin 2) via "T8" signal. The signals pass through the MIC mute switch, the MIC mixer amplifier, the pre-emphasis circuit, the high-pass filter, limiter amplifier circuit, S-mixer circuit, and splatter filter circuit. The filtered signals are applied to the TX unit.

After off-hook condition, DTMF signal from telephone line is applied to the decoder IC (IC31) to decode the DTMF signal. The DTMF signal is applied to the CPU (IC33) via serial data signal line.

The clear down signal is detected at IC45, and is then applied to the CPU (IC33). The "HOOKC" signal from the CPU (IC33, pin 72) and the "DP" signal from IC47 are applied to the hook switch (RL1, RL2) to on-hook.

3-4-2 EEPROM CIRCUIT (LOGIC UNIT)

The detector IC (IC34) detects power supply ON-OFF voltage. The signal from IC34 is applied to IC33 (CPU). IC35, IC36 are reset signal circuit which stabilizes to memory for the EEPROM (IC37). the EEPROM (IC37) memories clone data, adjust setting condition data etc.

3-4-3 TEMPERATURE DETECT CIRCUIT (LOGIC UNIT)

The temperature detect circuit protects the power amplifier and power supply circuit from high temperature and stabilizes the output power.

Inside temperature of the PA unit is detected at D1 (VARISTOR unit) and is then applied to the amplifier (PA unit; IC4). The amplified signal is applied to the CPU (IC33) to analyze the temperature via IC32.

Inside temperature of the REG unit is detected at D6 (REG unit) and is then applied to the amplifier (REG unit; IC9). The amplified signal applied to the CPU (IC33) to analyze the temperature via IC32.

IC32 selects "PATEMP" or "REGTEMP" signals from the PA or REG unit.

3-5 POWER SUPPLY CIRCUITS

3-5-1 LOGIC AND REG UNITS VOLTAGE LINES

Line	Description
PS 15V	The voltage from the DC power unit (CHASSIS; EP1).
VCC1	The same voltage as the PS 15V line which is controlled by the power switch.
M9V	Common 9 V for converted from the VCC1 line by the M9V regulator circuit (REG unit; IC1, Q8, Q9). The voltage is applied to the TX and RX units.
L9V	Common 9 V converted from the VCC1 line by the L9V regulator circuit (REG unit; IC2).
A5V	Common 5 V converted from the L9V line by the A5V regulator circuit (REG unit; IC3).
L5V	Common 5 V converted from the L9V line by the L5V regulator circuit (LOGIC unit; IC38, Q48, D43).
C5V	Common 5 V converted from the L9V line by the C5V regulator circuit (LOGIC unit; IC38, Q45, D13).
TEL5V	Common 5 V converted from the M9V line by the TEL5V regulator circuit (LOGIC unit; IC11).

3-5-2 RX UNIT VOLTAGE LINES

Line	Description
+5V	Common 5 V converted from the M9V line by the +5V regulator circuit (RX unit; IC3).
+6V	Common 6 V converted from the M9V line by the +6V regulator circuit (RX unit; IC7).
R5V	Receive 5 V converted from the R9V line by the R5V regulator circuit (RX unit; IC6).
R9V	Receive 9 V controlled by the R9V regulator circuit (RX unit; Q15) using "R9C" signal from IC39 (LOGIC unit).
V9V	The same voltage as the M9V.

3-5-3 TX UNIT VOLTAGE LINES

Line	Description
T5V	Transmit 5 V converted from the M9V line by the T5V regulator circuit (TX unit; IC1).
T6V	Transmit 6 V converted from the M9V line by the T6V regulator circuit (TX unit; IC4).
V9V	Common 9 V converted from the M9V line by the V9V regulator circuit (TX unit; Q6).

3-6 PORT ALLOCATIONS

3-6-1 EXPANDER IC (LOGIC UNIT; IC39)

Pin number	Port name	Description
4	BASL	Outputs the control signal for "BASE" LED on the FRONT unit.
5	RMTL	Outputs the control signal for "REMOTE" LED on the FRONT unit.
6	BUSYL	Outputs the control signal for "BUSY" LED on the FRONT unit.
7	TXL	Outputs the control signal for "TX" LED on the FRONT unit.
12	D5C	Outputs the control signal for the D5V on the FRONT unit.
13	PROGL	Outputs the control signal for "P" LED on the FRONT unit.
14	DCL	Outputs the control signal for "DC" LED on the FRONT unit.

3-6-2 EXPANDER IC (LOGIC UNIT; IC40)

Pin number	Port name	Description
4	AFMUTE1	Outputs the speaker mute signal for the received AF.
5	AFMUTE2	Outputs the speaker mute signal for the received 2/5TONE and DTMF signals.
6	MICMUTE1	Outputs the MIC mute signal for the hand microphone.
7	MICMUTE2	Outputs the MIC mute signal for the REMOTE connector.
11	TELBMR	Outputs the pulse control signal for the telephone dialer IC
12	TELMUTE2	Outputs the MOD mute signal for AF signal from the telephone line.
13	TELMUTE1	Outputs the telephone mute signal for the received AF signal.
14	MICMUTE3	Outputs the MIC mute signal for the ACC connector.

3-6-3 EXPANDER IC (LOGIC UNIT; IC41)

Pin number	Port name	Description
5	R/BSW	Outputs the switch control signal for the received AF signal to the microphone amplifier.
6	W/NS	Outputs the control signal for narrow/wide bands.
7	R9C	Outputs the control signal for the +9V regulator on the RX unit.
12	M9C	Outputs the control signal for the M9V regulator on the Rx unit and TX unit.
13 14	OPT1 OPT3	Output the detection signals whether optional boards are installed or not.

3-6-4 D/A CONVERTER IC (LOGIC UNIT; IC25)

Pin number	Port name	Description
6	DA2STB	Input port for the strobe signal.
7	SCK	Input port for the clock signal.
8	SDTO	Outputs the serial data to the CPU (LOGIC unit; IC33).
9	AFFTTI	Input port for the received AF signal.
10	AFATTO	Outputs the adjusted AF signal for the repeater output.
14	RVCON	Outputs the adjustment signal for the PLL reference frequency on the RX unit.
15	TUNE	Outputs the BPF tuning signal to the RX unit.

3-6-5 D/A CONVERTER IC (TX UNIT; IC5)

Pin number	Port name	Description
1	ETONE	Input port for the TONE signal from the ACC connector.
2	ETONEO	Outputs the adjusted external TONE signal.
3	TXAFO	Outputs the TX AF signal to the TX modulation.
4	TXAF	Input port for the AF signal.
6	DA1STB	Input port for the strobe signal.
7	SCK	Input port for the clock signal.
8	SDTO	Outputs the serial data signal to the CPU (LOGIC unit; IC33).
9	TONE	Input port for the TONE signal.
10	TONEO	Outputs the adjusted TONE signal.
11	PCON	Outputs the TX power control signal.
14	TVCON	Outputs the adjustment signal for the TX unit PLL reference frequency.
15	MODC	Outputs the control signal for modulation balance.
21	MIXO	Input port for the mixed signal with the external signal, TX AF signal and internal signals.
22	REFMOD	Outputs the adjustment signal for TONE balance.
23	MOD	Outputs the adjusted AF signal for the TX modulation.
24	MIXO	Input port for the mixed signal with the ETONE, TX AF and TONE signals.

3-6-6 CPU (LOGIC UNIT; IC33)

Pin number	Port name	Description
1	RPLSTB	Outputs the strobe signal for the PLL IC on the RX unit.
2	TPLSTB	Outputs the strobe signal for the PLL IC on the TX unit.
3	TUNLK	Input port for the unlock signal from the PLL IC on the TX unit.
4	TMUTE	Outputs the TX mute signal for the TX unit.
5	TMUTE2	Outputs the TX mute signal for the PA unit.
8	M_PTT	Input port for the PTT switch signal from the microphone.
9	SPMUTE	Input port for [SPMUTE] switch.
10	REMOTE	Input port for [REMOTE] switch.
11	R/B	Input port for [R/B] switch.
13	MBEEP	Outputs the BEEP signal for modulation.
15	MONI	Input port for [MONI] switch.
16	CHUP	Input port for [CHUP] switch.
17	CHDN	Input port for [CHDN] switch.
18	DISP	Input port for [DISP] switch.
19	PROG	Input port for [PROG] switch.
26	COAXSW	Outputs the antenna switching signal.
27	CWO	Outputs the CW signal for transmit.
28	KBEEP	Outputs the beep audio signals to the speaker.
29	M/SO	Outputs the master/slave switching signal.
30	M/SI	Input port for the master/slave switching signal.
33	E_PTT	Input port for the PTT signal from the REMOTE connector.
34	E_PT2	Input port for PTT signal from the ACC connector.
35-39	D0-D4	Input port for the memory channel control signal.
40	NDET	Input port for the noise signal from the FM IF IC (RX unit; IC2).
41	SW	Outputs the temperature or PLL lock voltage switching signal.
43	2/5TDTMF0	Outputs the 2/5TONE and DTMF signals.
44	CTDTO	Outputs the CTCSS/DTCS signals.
45	PSD	Input port for the detection signal from the REG unit.
46	FWSWR	Input port for FW SWR signal from the PA unit.

CPU-Continued

Pin number	Port name	Description
47	RVSWR	Input port for the RV SWR signal from the PA unit.
48	TEMP	Input port for the temperature signals of PA and REG units.
49	T/RLV	Input port for the VCO lock voltage of the TX and RX units.
50	RSSI	Input port for the RSSI signal from the FM IF IC (RX unit; IC2).
51	25TI	Input port for the 2/5TONE signals.
52	DTCS	Input port for the DTCS signal.
68	TEL-BUSY	Input port for the busy signal from the pulse tone dialler IC (LOGIC unit; IC47).
69	MCK	Outputs the serial clock signal for the EEPROM (LOGIC unit; IC37).
70	MDT	I/O port for the serial data signal from/to the EEPROM (LOGIC unit; IC37).
71	TELSTB	Outputs strobe signal for the pulse tone dialler IC (LOGIC unit; IC47).
72	HOOKC	Outputs the ON/OFF HOOK control signal for the telephone line.
73	RING	Input port for the ringer detecting signal from the telephone line.
74	SHIFT	Outputs the control signal for the clock shift circuit.
75	INT	Input port for the power supply detection signal.
76	TXDTO	Outputs the serial data signal to the ACC connector.
77	RXDTO	Input port for serial data signal from the ACC connector.
78	DTSEL1	Outputs the control signal for the DTMF SW IC (LOGIC unit; IC50).
79	TXD1	Outputs the clone data signal.
80	RXD1	Input port for the clone data signal.
81	DTSEL2	Outputs the control signal for the DTMF SW IC (LOGIC unit; IC30).
82	DTSTD	Input port for the TONE detecting signal from the DTMF decoder IC (LOGIC unit; IC31).
85	DTMFD	Input port for the data decoding signal from the DTMF decoder IC (LOGIC unit; IC31).
86	DTACK	Outputs the clock signal for the DTMF decoder IC (LOGIC unit; IC31).
87	ONHOOK	Input port for the detection signal of the ON-HOOK signal.
88	IOE	Outputs the control signal for the port expander IC (LOGIC unit; IC39–IC41).

CPU-Continued

Pin number	Port name	Description
89	PE3STB	Outputs the strobe signal for the port expander IC (LOGIC unit; IC41).
90	PE2STB	Outputs the strobe signal for the port expander IC (LOGIC unit; IC40).
91	PE1STB	Outputs the strobe signal for the port expander IC (LOGIC unit; IC39).
95	D2STB	Outputs the strobe signal for the D/A converter IC (LOGIC unit; IC25).
96	D1STB	Outputs the strobe signal for the D/A converter IC (TX unit; IC5).
97	SDTO	Outputs the serial data signal for the PLL IC (RX unit; IC4, TX unit; IC2), dialer IC (LOGIC unit; IC47), port expander IC (LOGIC unit; IC39–IC41) and optional boards.
98	SCK	Outputs the clock signal for the PLL IC (RX unit; IC4, TX unit; IC2), dialer IC (LOGIC unit; IC47), port expander IC (LOGIC unit; IC39–IC41) and optional boards.
99	RUNLK	Input port for the unlock signal from the PLL IC (RX unit; IC4) on the RX unit.
100	C/DSW	Outputs the control signal for the CTCSS/DTCS filter (LOGIC unit; IC4).

SECTION 4 ADJUSTMENT PROCEDURES

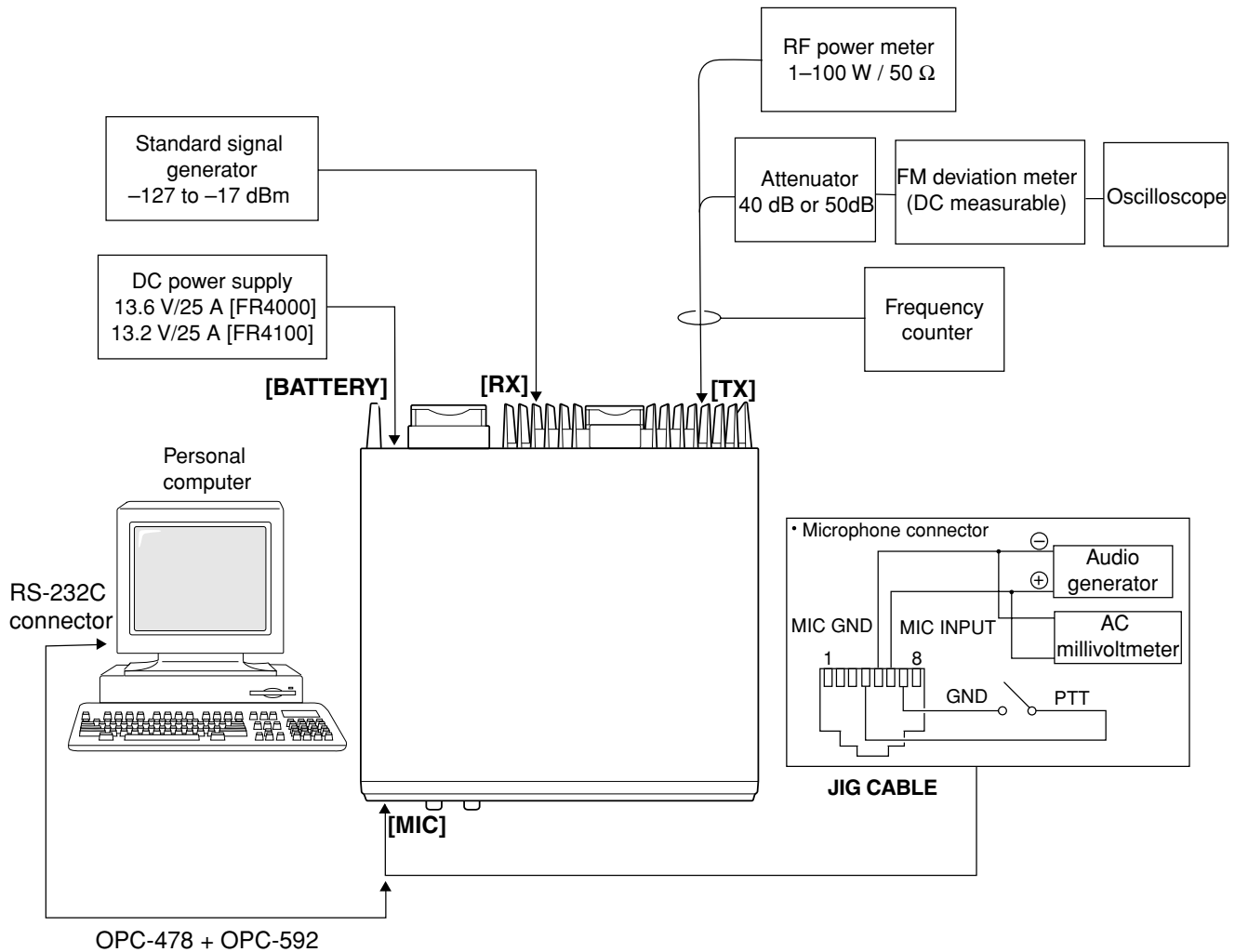
4-1 PREPARATION

Some adjustments must be performed on the "ADJUSTMENT MODE". CS-FR3000 CLONING SOFTWARE, OPC-478 CLONING CABLE, OPC-592 ADAPTOR CABLE are required when enter the adjustment mode. Refer to the next page in detail.

■ REQUIRED TEST EQUIPMENT

EQUIPMENT	GRADE AND RANGE	EQUIPMENT	GRADE AND RANGE
DC power supply	Output voltage : 13.6 V DC [FR4000] 13.2 V DC [FR4100]	Audio generator	Frequency range : 300–3000 Hz Output level : 1–500 mV
	Current capacity : 25 A or more	Attenuator	Power attenuation : 40 or 50 dB Capacity : 100 W or more
RF power meter (terminated type)	Measuring range : 1–100 W Frequency range : 300–600 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1	Standard signal generator (SSG)	Frequency range : 120–600 MHz Output level : 0.1 μV–32 mV (–127 to –17 dBm)
	Frequency counter		Measuring range : 10 mV–10 V
FM deviation meter	Frequency range : DC–600 MHz Measuring range : 0 to ±5 kHz	Oscilloscope	Frequency range : DC–20 MHz Measuring range : 0.01–20 V
		Digital multimeter	Input impedance : 10 MΩ/V DC or better

• CONNECTION



■ BEFORE ENTERING THE ADJUSTMENT MODE

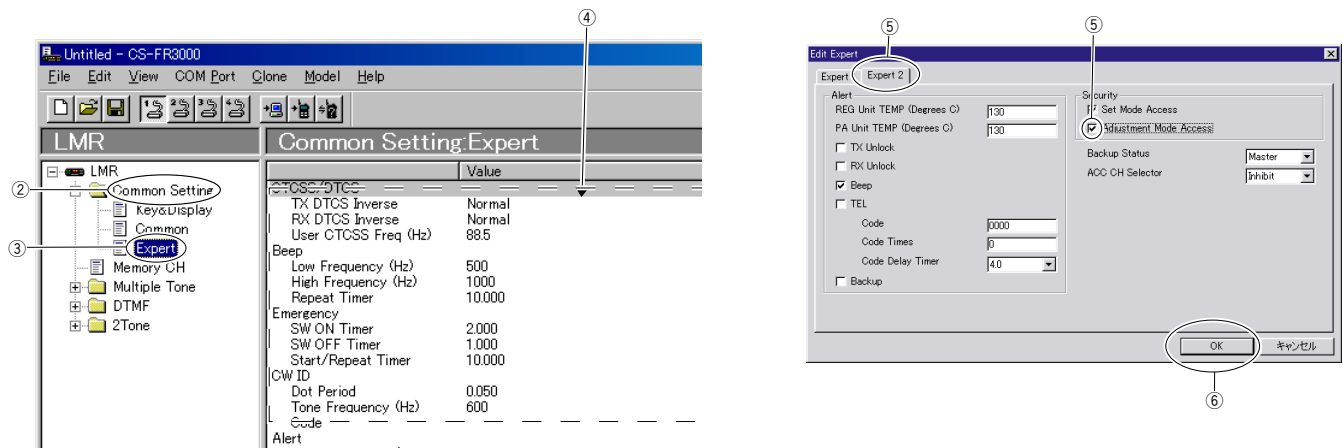
CAUTION!: Need to back up the original memory data using CS-FR3000 before cloning the adjustment frequencies.

When program the adjustment frequencies into the repeater, the repeater's memory channels will be overwritten the data and deleted original memory data at the same time.

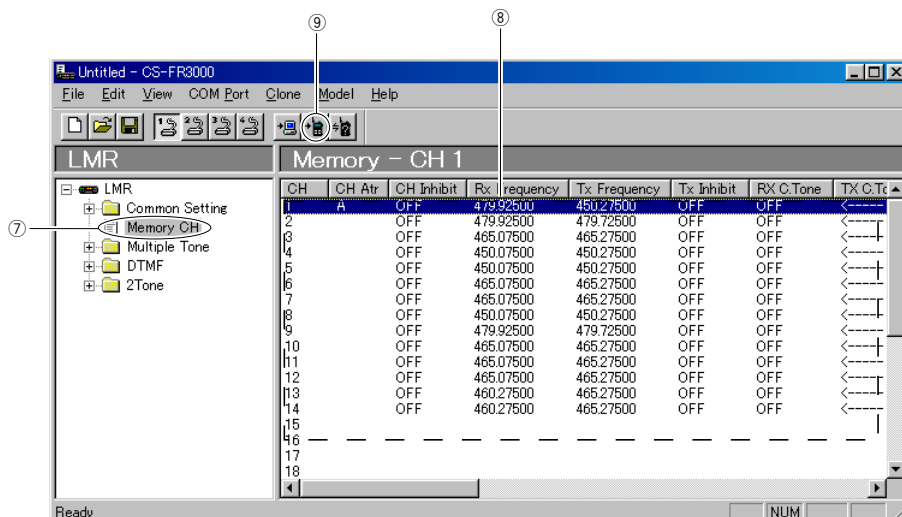
Need to do cloning "Adjustment Mode Access" permitting and adjustment frequencies into the CPU using with the CS-FR3000 before entering the adjustment mode. Otherwise, the repeater can not enter the adjustment mode.

■ PROCESS TO PERMIT "ADJUSTMENT MODE ACCESS"

- ① Run the CS-FR3000 CLONING SOFTWARE.
- ② Open the "Common Setting" folder .
- ③ Click the "Expert" card on the tree view window.
- ④ Double-click somewhere on the Common setting screen window, then appear the "Edit Expert" window.
- ⑤ Click the "Expert 2" tab, then click the "Adjustment Mode Access" check box.
- ⑥ Click "OK" button.
- ⑦ Click the "Memory CH" card on the tree view window.
- ⑧ Input all adjustment frequencies as page 4-4.
- ⑨ Cloning to the repeater then the repeater can be enter the adjustment mode.
Show the next page to enter the adjustment mode.

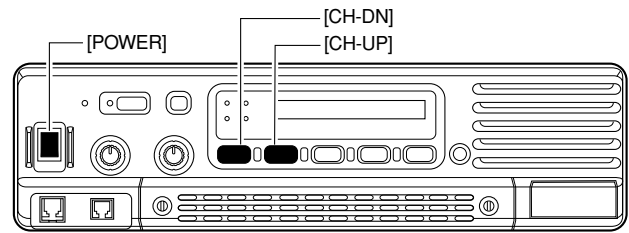


MEMORY CHANNEL SCREEN (Sample only)



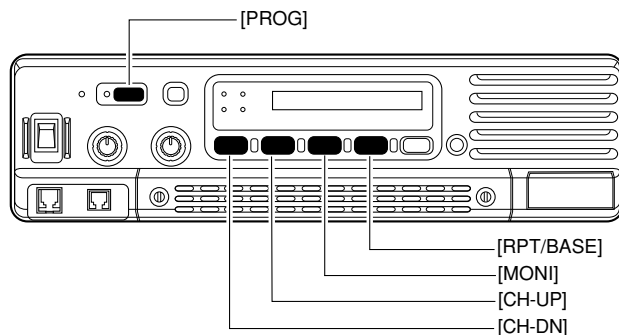
■ ENTERING THE ADJUSTMENT MODE

- ① Turn the power OFF.
- ② While pushing and holding both [CH-DN] and [CH-UP], turn ON.
NEVER release [CH-DN] and [CH-UP] until 1 short beep sounds.
- ③ Push [CH-DN] button, then sounds 2 beep audio.



■ OPERATING IN THE ADJUSTMENT MODE

- Change the item (including frequency) (+1). : Push [CH-UP] button.
 - Change the item (including frequency) (-1). : Push [CH-DN] button.
 - Adjust the specified value (+1). : Push [PRT/BASE] button.
 - Adjust the specified value (-1). : Push [MONI] button.
 - Change the TX and RX's condition. : Push [PROG] button.
- Change the condition TX reference frequency to RX reference frequency.
Change the condition TX "HIGH POWER" to TX "LOW POWER".



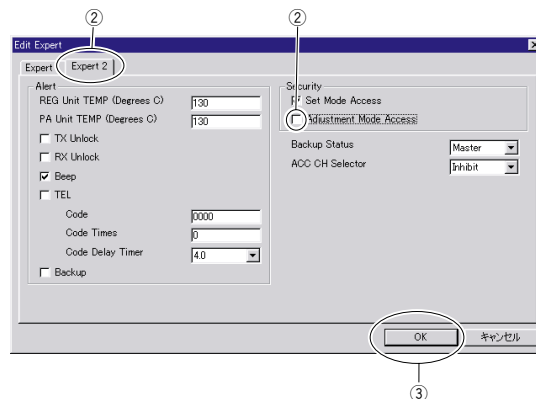
■ EXITING THE ADJUSTMENT MODE

- ① Turn the power OFF.
- ② While pushing and holding and [CH-UP], turn ON.
NEVER release [CH-UP] until 1 short beep sounds.
- ③ Push [CH-UP] button, then sounds 2 beep audio.

■ AFTER FINISHING ADJUSTMENT

CAUTION!: When the adjustment is finished, the repeater need to be canceled adjustment mode.
Otherwise the repeater does not work properly.

- ① Perform the step ① to ④, described in the PROCESS TO PERMIT "ADJUSTMENT MODE ACCESS" (see page 4-2).
- ② Click the "EXPERT 2" tab, then clear the check box for the "Adjustment Mode Access".
- ③ Click "OK" button, then cloning with the original memory data.



■ ADJUSTMENT MODE FREQUENCY LIST

CH	[USA1], [GEN1], [GEN5], [EUR1], [FRG1] (MHz)	[GEN2], [GEN6] (MHz)	[USA3], [GEN3], [GEN7], [EUR3], [FRG3] (MHz)	LCD DISPLAY	W/N	ADJUSTMENT
A01	429.925 (RX) 400.275 (TX)	449.925 (RX) 430.275 (TX)	479.925 (RX) 450.275 (TX)	A01 LW TXREF 127	W	TVCO/RVCO adjustment. Reference frequency adjustment.
A02	429.925 (RX) 429.725 (TX)	449.925 (RX) 449.725 (TX)	479.925 (RX) 459.725 (TX)	A02 LW HRTUN 115	W	NONE
A03	415.075 (RX) 415.275 (TX)	440.075 (RX) 440.275 (TX)	465.075 (RX) 465.275 (TX)	A03 LW MRTUN 088	W	RX sensitivity adjustment.
A04	400.075 (RX) 400.275 (TX)	430.075 (RX) 430.275 (TX)	450.075 (RX) 450.275 (TX)	A04 LW LRTUN 055	W	NONE
A05	400.075 (RX) 400.275 (TX)	430.075 (RX) 430.275 (TX)	450.075 (RX) 450.275 (TX)	A05 LW RPTSQL 150	W	RPT SQL adjustment.
A06	415.075 (RX) 415.275 (TX)	440.075 (RX) 440.275 (TX)	465.075 (RX) 465.275 (TX)	A06 HW POWER 166	W	TX power adjustment.
A07	415.075 (RX) 415.275 (TX)	440.075 (RX) 440.275 (TX)	465.075 (RX) 465.275 (TX)	A07 LW M DEV 143	W	TX modulation adjustment.
A08	400.075 (RX) 400.275 (TX)	430.075 (RX) 430.275 (TX)	450.075 (RX) 450.275 (TX)	A08 LW LMODC 073	W	TX modulation adjustment.
A09	429.925 (RX) 429.725 (TX)	449.925 (RX) 449.725 (TX)	479.925 (RX) 479.725 (TX)	A09 LW HMODC 191	W	TX modulation adjustment.
A10	415.075 (RX) 415.275 (TX)	440.075 (RX) 440.275 (TX)	465.075 (RX) 465.275 (TX)	A10 LW CTCDEV 134	W	CTCSS modulation adjustment.
A11	415.075 (RX) 415.275 (TX)	440.075 (RX) 440.275 (TX)	465.075 (RX) 465.275 (TX)	A11 LW DTCADJ 159	W	DTCS modulation adjustment.
A12	415.075 (RX) 415.275 (TX)	440.075 (RX) 440.275 (TX)	465.075 (RX) 465.275 (TX)	A12 LN CTCDEV 062	N	CTCSS modulation adjustment. (NARROW)
A13	410.275 (RX) 415.275 (TX)	435.275 (RX) 440.275 (TX)	460.275 (RX) 465.275 (TX)	A13 LW RPTAF 141	W	RPT modulation adjustment. (WIDE)
A14	410.275 (RX) 415.275 (TX)	435.275 (RX) 440.275 (TX)	460.275 (RX) 465.275 (TX)	A14 LN RPTAF 126	N	RPT modulation adjustment. (NARROW)

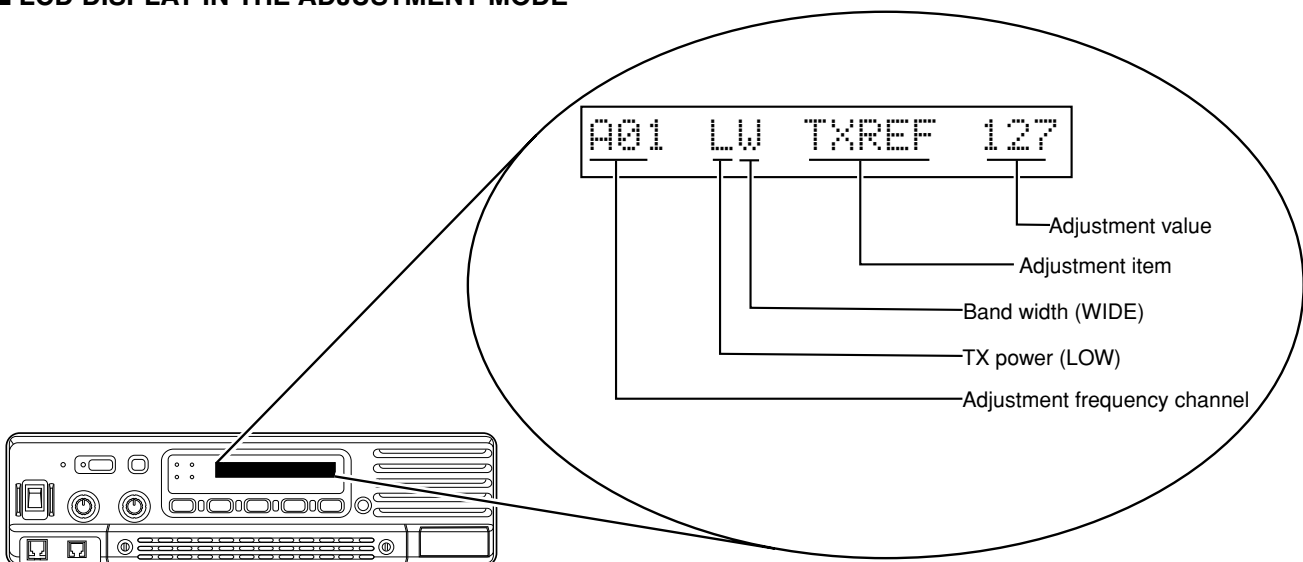
[USA1], [GEN1], [GEN5], [EUR1], [FRG1]: 400–430 MHz version

[GEN2], [GEN6]: 430–450 MHz version

[USA3], [GEN3], [GEN7], [EUR3], [FRG3]: 450–480 MHz version

LCD display's detail as shown below. A number of 3 figures is a adjustment value (sample).

■ LCD DISPLAY IN THE ADJUSTMENT MODE



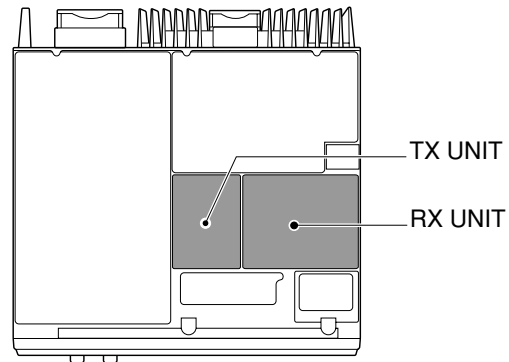
4-2 PLL ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
		UNIT	LOCATION		UNIT	ADJUST
TX VCO LOCK VOLTAGE	1 <ul style="list-style-type: none"> • LCD display : A01 LW TXREF 127 • Receiving 	TX	Connect the digital multi meter or oscilloscope to check point CP1.	1.0 V ①, ②, ④ 0.8 V ③, ⑤	TVCO	C17
RX VCO LOCK VOLTAGE	1 <ul style="list-style-type: none"> • LCD display : A01 LW TXREF 127 • Receiving 	RX	Connect the digital multi meter or oscilloscope to check point CP1.	4.3 V ①, ③, ④, ⑤ 3.5 V ②	RVCO	C17
REFERENCE FREQUENCY	1 <ul style="list-style-type: none"> • Wait for 5 minutes after power ON. • LCD display : A01 LW TXREF • Connect the RF power meter or 50 Ω dummy load to the [TX] antenna connector. • Transmitting 	REAR panel	Loosely couple the frequency counter to the [TX] antenna connector.	400.2750 MHz ①, ④ 430.2750 MHz ② 450.2750 MHz ③, ⑤	FRONT	[PRT/BASE] / [MONI]
	2 <ul style="list-style-type: none"> • Push the [PROG] button. • LCD display : A01 LW RXREF • Receiving 	RX	Connect the frequency counter to check point HJ4.	359.2750 MHz ①, ④ 379.9250 MHz ② 409.9250 MHz ③, ⑤	FRONT	[PRT/BASE] / [MONI]

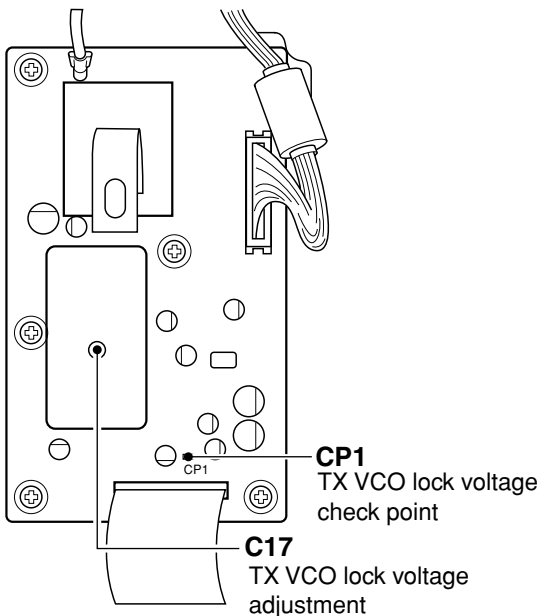
①: [USA1], [GEN1], [GEN5], [EUR1]
 ②: [GEN2], [GEN6]
 ③: [USA3], [GEN3], [GEN7], [EUR3]

④: [FRG1]
 ⑤: [FRG3]

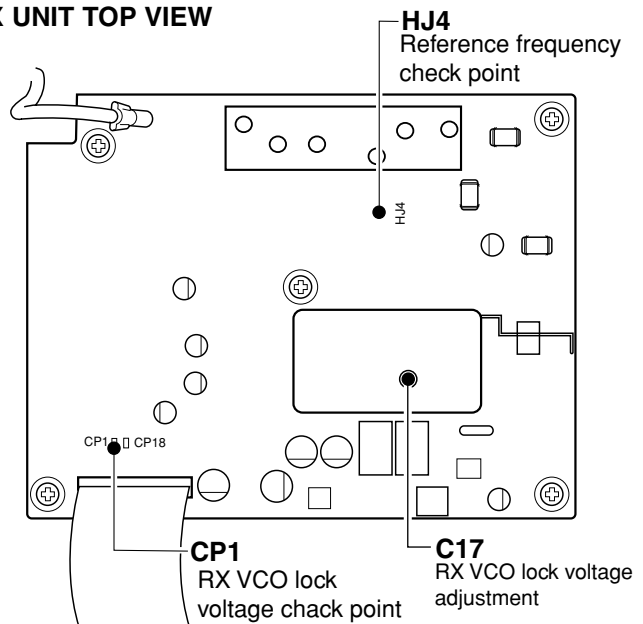
• TOP VIEW



• TX UNIT TOP VIEW



• RX UNIT TOP VIEW



4-3 RECEIVER ADJUSTMENT

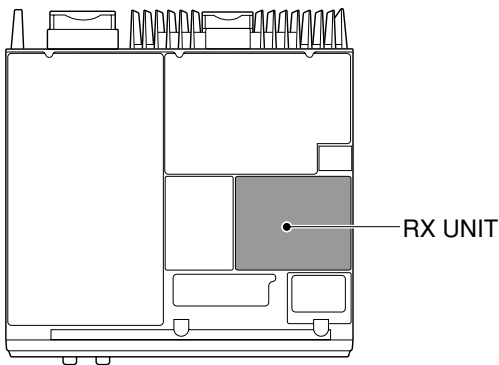
ADJUSTMENT	ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
		UNIT	LOCATION		UNIT	ADJUST
RX SENSITIVITY	1 <ul style="list-style-type: none"> LCD display : A03 LW MRTUN 083 Connect the standard signal generator to the [RX] antenna connector and set as: <ul style="list-style-type: none"> Frequency : 415.0750 MHz ①, ④ 440.0750 MHz ② 465.0750 MHz ③, ⑤ Level : 32 μV* (-77 dBm) Modulation : 1 kHz Deviation : \pm3 kHz ①, ②, ③ \pm2.4 kHz ④, ⑤ Receiving 	RX	Connect the digital multi meter or oscilloscope to check point CP18.	Maximum voltage	RX	C10, C11, C12, C26, C27, C28
REPEATER SENSITIVITY	1 <ul style="list-style-type: none"> LCD display : A05 LW RPTSQL Connect the standard signal generator to the [RX] antenna connector and set as: <ul style="list-style-type: none"> Frequency : 400.0750 MHz ①, ④ 430.0750 MHz ② 450.0750 MHz ③, ⑤ Level : 0.2 μV* (-121 dBm) Modulation : 1 kHz Deviation : \pm3 kHz ①, ②, ③ \pm2.4 kHz ④, ⑤ Connect the RF power meter to the [TX] antenna connector. Receiving 	FRONT	Speaker	Squelch open	FRONT	[PRT/BASE] / [MONI]

*The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

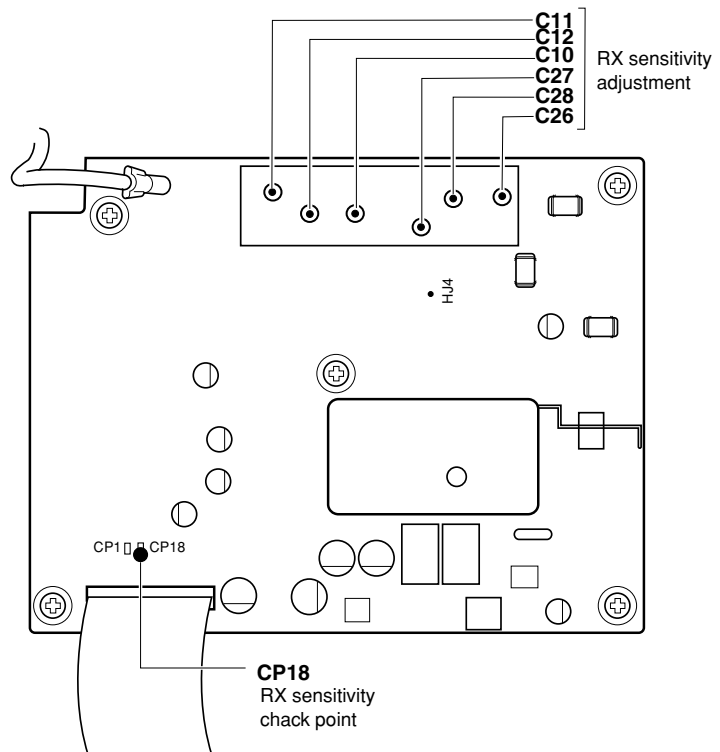
- ①: [USA1], [GEN1], [GEN5], [EUR1]
- ②: [GEN2], [GEN6]
- ③: [USA3], [GEN3], [GEN7], [EUR3]

- ④: [FRG1]
- ⑤: [FRG3]

• TOP VIEW



• RX UNIT TOP VIEW



4-4 SOFTWARE ADJUSTMENT

Select an item using [CH-UP] / [CH-DN] buttons, then set specified value using [RPT/BASE] / [MONI] buttons on the FRONT PANEL.

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE
		UNIT	LOCATION	
OUTPUT POWER Power (Hi)	1 <ul style="list-style-type: none"> • LCD display : A06 HW POWER • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • Transmitting 	Rear panel	Connect the RF power meter to the [TX] antenna connector.	50.0 W [FR4000] 25.0 W [FR4100]
Power (LOW)	2 <ul style="list-style-type: none"> • Push the [PROG] button. • LCD display : A06 LW POWER • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 456.2750 MHz ③, ⑤ • Transmitting 			10.0 W [FR4000] 5.0 W [FR4100]
FM DEVIATION	1 <ul style="list-style-type: none"> • LCD display : A07 LW M DEV • Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ • IF bandwidth : Wide • Connect the audio generator to the [MIC] jack through the JIG cable and set as: 1.0 kHz/40 mVrms • Set an FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P-P)/2 • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±4.5 kHz ①, ②, ⑤ ±3.5 kHz ④, ⑤
MODULATION BALANCE (LOW FRQ)	1 <ul style="list-style-type: none"> • LCD display : A08 LW LMODC • Operating freq. : 400.2750 MHz ①, ④ 430.2750 MHz ② 450.2750 MHz ③, ⑤ • IF bandwidth : Wide • Connect the audio generator to the [MIC] jack through the JIG cable and set as: 1.0 kHz/40 mVrms • Set an FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P-P)/2 • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±4.5 kHz ①, ②, ⑤ ±3.5 kHz ④, ⑤
(HIGH FRQ)	2 <ul style="list-style-type: none"> • LCD display : A09 LW HMODC • Operating freq. : 415.7250 MHz ①, ④ 449.7250 MHz ② 465.7250 MHz ③, ⑤ • Transmitting 			±4.5 kHz ①, ②, ③ ±3.5 kHz ④, ⑤

①: [USA1], [GEN1], [GEN5], [EUR1]

④: [FRG1]

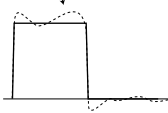
②: [GEN2], [GEN6]

⑤: [FRG3]

③: [USA3], [GEN3], [GEN7], [EUR3]

SOFTWARE ADJUSTMENT – continued

Select an item using [CH-UP] / [CH-DN] buttons, then set specified value using [RPT/BASE] / [MONI] buttons on the FRONT PANEL.

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE	
		UNIT	LOCATION		
CTCSS DEVIATION [WIDE]	1	<ul style="list-style-type: none"> LCD display : A10 LW CTCDEV Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ Set the FM deviation meter as: HPF : OFF LPF : 20 kHz De-emphasis: OFF Detector : (P-P)/2 No audio applied to the [MIC] connector. Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±0.7 kHz ①, ②, ③ ±0.56 kHz ④, ⑤
	[NARROW]	2			<ul style="list-style-type: none"> LCD display : A12 LN CTCDEV Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③, ⑤ No audio applied to the [MIC] connector. Transmitting
MODULATION BALANCE [DTCS]	1	<ul style="list-style-type: none"> LCD display : A11 LW DTCADJ Operating freq. : 415.2750 MHz ①, ④ 440.2750 MHz ② 465.2750 MHz ③ ⑤ No audio applied to the [MIC] connector. Transmitting. 	Rear panel	Connect the FM deviation meter with the oscilloscope to the [TX] antenna connector through an attenuator.	Set to flat wave form 

*The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

①: [USA1], [GEN1], [GEN5], [EUR1]

④: [FRG1]

②: [GEN2], [GEN6]

⑤: [FRG3]

③: [USA3], [GEN3], [GEN7], [EUR3]

SOFTWARE ADJUSTMENT – continued

Select an item using [CH-UP] / [CH-DN] buttons, then set specified value using [RPT/BASE] / [MONI] buttons on the FRONT PANEL.

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE
		UNIT	LOCATION	
REPEATER DEVIATION [WIDE]	1 <ul style="list-style-type: none"> • LCD display : A13 LW RPTAF • Operating freq : 410.2750 MHz (RX) <ul style="list-style-type: none"> ①, ④ 415.2750 MHz (TX) <ul style="list-style-type: none"> ①, ④ 440.0750 MHz (RX) ② 440.2750 MHz (TX) ② 460.2750 MHz (RX) <ul style="list-style-type: none"> ③, ⑤ 465.2750 MHz (TX) <ul style="list-style-type: none"> ③, ⑤ • Connect the standard signal generator to the [RX] antenna connector and set as: <ul style="list-style-type: none"> Level : 1 mV* (–47 dBm) Modulation : 1 kHz Deviation : ±3 kHz ①, ② <li style="padding-left: 40px;">±2.4 kHz ③ • Transmitting 	Rear panel	Connect the FM deviation meter to the [TX] antenna connector through the attenuator.	±3.0 kHz ①, ②, ③ ±2.4 kHz ④, ⑤
[NARROW]	2 <ul style="list-style-type: none"> • LCD display : A14 LN RPTAF • Operating freq : 410.2750 MHz (RX) <ul style="list-style-type: none"> ①, ④ 415.2750 MHz (TX) <ul style="list-style-type: none"> ①, ④ 440.0750 MHz (RX) ② 440.2750 MHz (TX) ② 460.2750 MHz (RX) <ul style="list-style-type: none"> ③, ⑤ 465.2750 MHz (TX) <ul style="list-style-type: none"> ③, ⑤ • Connect the standard signal generator to the [RX] antenna connector and set as: <ul style="list-style-type: none"> Level : 1 mV* (–47 dBm) Modulation : 1 kHz Deviation : ±1.5 kHz • Transmitting 			±1.5 kHz

*The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

①: [USA1], [GEN1], [GEN5], [EUR1]

②: [GEN2], [GEN6]

③: [USA3], [GEN3], [GEN7], [EUR3]

④: [FRG1]

⑤: [FRG3]

SECTION 5 PARTS LIST

[REG UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
IC1	1180001320	IC	NJM7809FA	T
IC2	1180002290	S.IC	NJTM7809DL1A-TE	B
IC3	1180001860	S.IC	TA78M05F (TE16L)	B
IC4	1180002480	S.REG	TA78DL12AF (TE16L)	T
IC6	1180001540	S.IC	TA78L08F (TE12R)	B
IC7	1110002860	S.IC	TA75S393F (TE85R)	T
IC9	1110002400	S.IC	NJM2107F-TE1	T
IC11	1110002750	S.IC	TA75S01F (TE85R)	T
Q1	1590003110	FET	2SJ533	T
Q4	1590003110	FET	2SJ533	T
Q5	1540000550	S.TRANSISTOR	2SD1664 T100Q	T
Q7	1590001940	S.TRANSISTOR	DTC144EE TL	B
Q8	1590003030	S.FET	2SJ553STR	B
Q9	1590001940	S.TRANSISTOR	DTC144EE TL	B
D2	1750000550	S.DIODE	1SS355 TE-17	B
D3	1790000700	DIODE	DSA3A1	T
D4	1710001170	DIODE	FCH30A03L	T
D6	1790000720	DIODE	MA29W-B	T
D7	1710001170	DIODE	FCH30A03L	T
D8	1730002340	S.ZENER	MA8047-M (TX)	B
R3	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R14	7100000830	RESISTOR	5SG 3.3 Ω	T
R16	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)	B
R17	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)	T
R18	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R19	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R23	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)	T
R24	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)	B
R27	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	B
R30	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)	T
R31	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	T
R32	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R33	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)	T
R34	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R35	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	T
R36	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	T
R37	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	T
R38	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R39	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R40	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R41	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	T
R42	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	T
R58	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	B
R59	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	B
R60	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	T
R61	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	T
R62	7030010510	S.RESISTOR	ERJ1TYJ 8R2U (8.2 Ω)	B
R64	7030003240	S.RESISTOR	ERJ3GEYJ 220 V (22 Ω)	B
R65	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	B
R66	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	T
R67	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	T
R68	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	T
C4	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C5	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C6	4510007690	ELECTROLYTIC	LXZ25VB2200	T
C7	4510007690	ELECTROLYTIC	LXZ25VB2200	T
C9	4510007690	ELECTROLYTIC	LXZ25VB2200	T
C11	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C15	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C17	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C19	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C20	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C22	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C23	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C24	4550006770	S.TANTALUM	TEESVD2 1C 476M-12R	T
C25	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C26	4510007660	ELECTROLYTIC	LXZ25VB100	T
C27	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C28	4510007650	S.ELECTROLYTIC	EEVHB1C470P	T
C29	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C31	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C33	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C34	4510007570	S.ELECTROLYTIC	EEVHB1C220UR	T

[REG UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
C35	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C36	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C37	4510007660	ELECTROLYTIC	LXZ25VB100	T
C38	4510007660	ELECTROLYTIC	LXZ25VB100	T
C41	4510007570	S.ELECTROLYTIC	EEVHB1C220UR	T
C42	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	T
C43	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	T
C45	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	T
C47	4510007660	ELECTROLYTIC	LXZ25VB100	T
C48	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C49	4510007570	S.ELECTROLYTIC	EEVHB1C220UR	T
C50	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	T
C51	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	T
C52	4030017490	S.CERAMIC	C1608 JB 1A 105K-T	T
RL2	6330001680	RELAY	ACB32101	T
J13	6510018970	S.CONNECTOR	B4B-PH-SM3-TB	T
J14	6510022620	S.CONNECTOR	10FMN-BMTTR-A-TBT	T
J16	6510018960	S.CONNECTOR	B2B-PH-SM3-TB	T
J17	6510018960	S.CONNECTOR	B2B-PH-SM3-TB	T
J18	6510018960	S.CONNECTOR	B2B-PH-SM3-TB	T
F1	5220000300	HOLDER	1A5600	T
F2	5220000300	HOLDER	1A5600	T
F3	5210000850	FUSE	ATC-20	T
F4	5220000300	HOLDER	1A5600	T
F5	5220000300	HOLDER	1A5600	T
F6	5210000850	FUSE	ATC-20	T
S1	2260001510	SWITCH	RXE160	T
W1	7120000490	JUMPER	ERD25T0	T
W2	7120000490	JUMPER	ERD25T0	T
W3	7120000490	JUMPER	ERD25T0	T
W4	7120000490	JUMPER	ERD25T0	T
EP1	0910056076	PCB	B 5651F	[FR4000]
	0910057012	PCB	B 5998B	[FR4100]
EP2	6910012350	S.BEAD	MMZ1608Y 102BT	T
EP3	6910011340	TERMINAL	OT-010 M3	T
EP4	6910011340	TERMINAL	OT-010 M3	T
EP5	6910011340	TERMINAL	OT-010 M3	T
EP6	6910011340	TERMINAL	OT-010 M3	T
EP7	6910011340	TERMINAL	OT-010 M3	T
EP8	6910011340	TERMINAL	OT-010 M3	T
EP9	6910011340	TERMINAL	OT-010 M3	T
EP10	6910011340	TERMINAL	OT-010 M3	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

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

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
Q1	1530002060	S.TRANSISTOR 2SC4081 T106 R	T
D1	1750000930	S.DIODE NNCD8.2C-T1	T
D2	1750000930	S.DIODE NNCD8.2C-T1	T
D3	1750000930	S.DIODE NNCD8.2C-T1	T
L1	6200001620	S.COIL ELJFC 1R0K-F	T
R1	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)	T
R2	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R3	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R8	7030001150	S.RESISTOR MCR50JZHJ 150 Ω (151)	B
R9	7030001150	S.RESISTOR MCR50JZHJ 150 Ω (151)	B
R10	7030001160	S.RESISTOR MCR50JZHJ 180 Ω (181)	B
R11	7030001150	S.RESISTOR MCR50JZHJ 150 Ω (151)	B
R12	7030001150	S.RESISTOR MCR50JZHJ 150 Ω (151)	B
R13	7030001150	S.RESISTOR MCR50JZHJ 150 Ω (151)	B
R15	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	B
R17	7030008220	S.RESISTOR MCR100JZHJ 47 Ω (470)	B
R18	7030008220	S.RESISTOR MCR100JZHJ 47 Ω (470)	B
R19	7540000240	S.ABSORBER KU10R29N-4063	T
R21	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R22	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R23	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R24	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R26	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R27	7030010910	S.RESISTOR ERJ1TYJ 150U (15 Ω)	B
R28	7030010910	S.RESISTOR ERJ1TYJ 150U (15 Ω)	B
C1	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C2	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C3	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C4	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C5	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C12	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C13	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C14	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C15	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C16	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C17	4030017200	S.CERAMIC GRM31BR32J102KY01L	T
C18	4030017200	S.CERAMIC GRM31BR32J102KY01L	T
C19	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C20	4030006860	S.CERAMIC C1608 JB 1H 102K-T [FR4100]only [FR4100] only	B B
J1	6510022620	S.CONNECTOR 10FMN-BMTTR-A-TBT	B
J2	6510022580	S.CONNECTOR 24FMN-BMTTR-A-TBT	B
J3	6510021600	S.CONNECTOR S2B-PH-SM3-TB	B
J4	6510022910	CONNECTOR IMSA9201B-1-16Z012Z	B
J6	6510022790	CONNECTOR 95003-2641	T
J7	6450001470	CONNECTOR 95003-2881	T
J8	6510023250	S.CONNECTOR S3B-PH-SM3-TB	B
J9	6510021600	S.CONNECTOR S2B-PH-SM3-TB	B
F1	5210000890	FUSE SBR-1A [USA1], [USA3] only	B
DS1	5040001820	LED BG3889S	T
DS2	5040001820	LED BG3889S	T
DS3	5040001330	LED BR3889S	T
DS4	5040001820	LED BG3889S	T
DS5	5040001820	LED BG3889S	T
DS6	5040001820	LED BG3889S	T
DS7	5030002190	LCD MSC-C161UYLY-4W	T
S1	2260001680	S.SWITCH SKQDPB	T
S2	2260001680	S.SWITCH SKQDPB	T
S3	2260001680	S.SWITCH SKQDPB	T
S4	2260001680	S.SWITCH SKQDPB	T
S5	2260001680	S.SWITCH SKQDPB	T
S6	2260001680	S.SWITCH SKQDPB	T
S7	2260001680	S.SWITCH SKQDPB	T
S8	2260001680	S.SWITCH SKQDPB	T
W1	7030003860	S.RESISTOR ERJ3GE JPW V except [USA1], [USA3]	T
EP1	0910056088	PCB B 5652H	

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
EP2	6910014560	SPACER LM-15	T
EP3	6910014550	SPACER LM-13	T
EP4	6910014540	SPACER LM-10	T
EP5	6910014540	SPACER LM-10	T
EP6	6910014540	SPACER LM-10	T
EP7	6910014540	SPACER LM-10	T

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
IC1	1110003780	S.IC NJM2902V-TE1	T
IC2	1110003780	S.IC NJM2902V-TE1	T
IC3	1110003780	S.IC NJM2902V-TE1	B
IC4	1110003780	S.IC NJM2902V-TE1	T
IC6	1110002400	S.IC NJM2107F-TE1	T
IC7	1110003780	S.IC NJM2902V-TE1	B
IC8	1110003780	S.IC NJM2902V-TE1	B
IC9	1110003780	S.IC NJM2902V-TE1	B
IC10	1110003780	S.IC NJM2902V-TE1	T
IC11	1180000420	S.IC TA78L05F (TE12R)	B
IC12	1110003780	S.IC NJM2902V-TE1	T
IC13	1130008090	S.IC BU4066BCFV-E1	T
IC14	1130004200	S.IC TC4S66F (TE85R)	T
IC16	1130006220	S.IC TC4W53FU (TE12L)	B
IC17	1110003090	IC LA4425A	T
IC20	1130006220	S.IC TC4W53FU (TE12L)	T
IC21	1130006220	S.IC TC4W53FU (TE12L)	T
IC25	1190001350	S.IC M62364FP 600D	T
IC26	1110003800	S.IC NJM2904V-TE1	B
IC28	1110002400	S.IC NJM2107F-TE1	B
IC29	1190001720	S.IC FX805LG	T
IC30	1130006220	S.IC TC4W53FU (TE12L)	T
IC31	1130007400	S.IC LC7387M-TRM	T
IC32	1130006220	S.IC TC4W53FU (TE12L)	T
IC33	1140010140	S.IC HD64F2238BFA13	T
IC34	1110005710	S.IC S-80842CLUA-B63-T2	B
IC35	1130009320	S.IC BU4011BFV-E2	B
IC36	1130009320	S.IC BU4011BFV-E2	B
IC37	1140008650	S.IC HN58X2464TI	T
IC38	1180002250	S.IC S-812C50AMC-C3E-T2	T
IC39	1130007570	S.IC BU4094BCFV-E2	T
IC40	1130007570	S.IC BU4094BCFV-E2	T
IC41	1130007570	S.IC BU4094BCFV-E2	T
IC42	1170000280	S.IC TLP121 (GB-TPL)	B
IC43	1170000280	S.IC TLP121 (GB-TPL)	B
IC44	1120002830	S.IC NJM2125F-TE1	T
IC45	1110005000	S.IC LMC567CM	B
IC46	1190001740	S.IC BA6566F-E2	B
IC47	1190001730	S.IC LC73701M-TLM	T
IC48	1170000280	S.IC TLP121 (GB-TPL)	T
IC49	1170000280	S.IC TLP121 (GB-TPL)	T
IC50	1130006220	S.IC TC4W53FU (TE12L)	T
IC51	1110002400	S.IC NJM2107F-TE1	T
IC52	1110005690	S.IC NJM2520V-TE1	T
IC53	1130006220	S.IC TC4W53FU (TE12L)	T
Q1	1590001400	S.TRANSISTOR XP1214 (TX)	B
Q2	1530002060	S.TRANSISTOR 2SC4081 T106 R	B
Q3	1590001940	S.TRANSISTOR DTC144EE TL	B
Q4	1530002060	S.TRANSISTOR 2SC4081 T106 R	T
Q5	1510000510	S.TRANSISTOR 2SA1576A T106R	T
Q6	1530002060	S.TRANSISTOR 2SC4081 T106 R	T
Q7	1590001400	S.TRANSISTOR XP1214 (TX)	B
Q8	1590003210	S.TRANSISTOR XP1111 (TX)	B
Q9	1590003210	S.TRANSISTOR XP1111 (TX)	B
Q10	1590003210	S.TRANSISTOR XP1111 (TX)	B
Q11	1590003210	S.TRANSISTOR XP1111 (TX)	B
Q17	1590001940	S.TRANSISTOR DTC144EE TL	T
Q18	1590002010	S.TRANSISTOR XP1114 (TX)	T
Q19	1590002010	S.TRANSISTOR XP1114 (TX)	T
Q20	1590002010	S.TRANSISTOR XP1114 (TX)	T
Q24	1550000020	S.FET 2SJ377 (TE16R)	T
Q25	1530002060	S.TRANSISTOR 2SC4081 T106 R	T
Q26	1590001960	S.TRANSISTOR XP4311 (TX)	T
Q27	1590001960	S.TRANSISTOR XP4311 (TX)	T
Q28	1590001960	S.TRANSISTOR XP4311 (TX)	T
Q29	1590001960	S.TRANSISTOR XP4311 (TX)	T
Q37	1590001940	S.TRANSISTOR DTC144EE TL	B
Q38	1590001400	S.TRANSISTOR XP1214 (TX)	B
Q40	1590001940	S.TRANSISTOR DTC144EE TL	B

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

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
Q44	1590002430	S.TRANSISTOR DTA144EE TL	B
Q45	1510000590	S.TRANSISTOR 2SA1362-Y (TE85L)	B
Q48	1160000150	S.TRANSISTOR IMZ4 T108	B
Q49	1590001960	S.TRANSISTOR XP4311 (TX)	T
Q50	1590001960	S.TRANSISTOR XP4311 (TX)	T
Q51	1540000570	S.TRANSISTOR 2SD1760 TLQ [FR4100] only	B
Q52	1530001950	S.TRANSISTOR 2SC2712-GR (TE85R) [FR4100]only	B
D1	1730002650	S.ZENER PTZ TE25 36B	B
D4	1710001180	S.BRIDGE D1UBA80-4062	B
D5	1710001180	S.BRIDGE D1UBA80-4062	B
D6	1790001250	S.DIODE MA2S111-(TX)	B
D7	1790001250	S.DIODE MA2S111-(TX)	T
D8	1790001250	S.DIODE MA2S111-(TX)	B
D9	1790001250	S.DIODE MA2S111-(TX)	B
D10	1790001250	S.DIODE MA2S111-(TX)	B
D11	1790001250	S.DIODE MA2S111-(TX)	B
D12	1790001250	S.DIODE MA2S111-(TX)	B
D13	1790000670	S.DIODE SB07-03C-TB	B
D14	1790001260	S.DIODE MA2S077-(TX)	B
D15	1790001250	S.DIODE MA2S111-(TX)	B
D16	1790001250	S.DIODE MA2S111-(TX)	B
D17	1790001250	S.DIODE MA2S111-(TX)	B
D18	1790001250	S.DIODE MA2S111-(TX)	B
D19	1790001250	S.DIODE MA2S111-(TX)	T
D20	1790001250	S.DIODE MA2S111-(TX)	T
D21	1790001250	S.DIODE MA2S111-(TX)	T
D22	1790001250	S.DIODE MA2S111-(TX)	T
D23	1790001250	S.DIODE MA2S111-(TX)	B
D24	1790001250	S.DIODE MA2S111-(TX)	B
D25	1790001250	S.DIODE MA2S111-(TX)	B
D26	1790001250	S.DIODE MA2S111-(TX)	B
D27	1790001250	S.DIODE MA2S111-(TX)	B
D28	1750000550	S.DIODE 1SS355 TE-17	B
D29	1750000550	S.DIODE 1SS355 TE-17	B
D33	1790001250	S.DIODE MA2S111-(TX)	B
D38	1730002640	S.ZENER PTZ TE25 13B	B
D43	1790001250	S.DIODE MA2S111-(TX)	B
D44	1790001250	S.DIODE MA2S111-(TX)	B
D45	1790001250	S.DIODE MA2S111-(TX)	B
D46	1790001250	S.DIODE MA2S111-(TX)	B
X1	6050011490	S.XTAL CR-733 (4.194304 MHz)	T
X2	6050011000	S.XTAL CR-681 (12.288 MHz)	T
X3	6050009300	S.XTAL CR-505 (4 MHz)	T
L1	6200009790	S.COIL BLM31PG121SN1	T
L2	6200009790	S.COIL BLM31PG121SN1	T
L3	6200009790	S.COIL BLM31PG121SN1	T
L4	6200009790	S.COIL BLM31PG121SN1	T
L5	6200009790	S.COIL BLM31PG121SN1	T
L6	6200009790	S.COIL BLM31PG121SN1	T
L7	6200009790	S.COIL BLM31PG121SN1	T
L8	6200009790	S.COIL BLM31PG121SN1	T
L9	6200009790	S.COIL BLM31PG121SN1	T
L10	6200009790	S.COIL BLM31PG121SN1	B
L11	6200009790	S.COIL BLM31PG121SN1	B
R2	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R3	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)	T
R5	7030003580	S.RESISTOR ERJ3GEYJ 153 V (15 kΩ)	T
R6	7030003710	S.RESISTOR ERJ3GEYJ 184 V (180 kΩ)	T
R7	7310004790	S.TRIMMER EVM-3YSX50 B14 (103)	B
R8	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R9	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R10	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R12	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R13	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R14	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R15	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R16	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R17	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R18	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R19	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R22	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R23	7030003740	S.RESISTOR ERJ3GEYJ 334 V (330 kΩ)	B
R24	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R25	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R26	7030003580	S.RESISTOR ERJ3GEYJ 153 V (15 kΩ)	T
R27	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R28	7030003420	S.RESISTOR ERJ3GEYJ 681 V (680 Ω)	T
R29	7030003510	S.RESISTOR ERJ3GEYJ 392 V (3.9 kΩ)	T
R30	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R31	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω)	T
R32	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	T
R33	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R34	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R35	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R36	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R37	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R40	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R48	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R50	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R51	7310004790	S.TRIMMER EVM-3YSX50 B14 (103)	T
R52	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)	T
R53	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	T
R54	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R55	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R56	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R57	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R58	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R59	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R60	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R61	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R62	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R63	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R64	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R65	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R66	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)	B
R67	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	B
R68	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)	B
R69	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	B
R70	7030003490	S.RESISTOR ERJ3GEYJ 272 V (2.7 kΩ)	B
R71	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R72	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	B
R74	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	B
R75	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)	B
R77	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R78	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	B
R79	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R80	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R81	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R82	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R83	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R84	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R85	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R86	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R87	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R88	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R89	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R90	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R91	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R92	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R94	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R95	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R96	7030003690	S.RESISTOR ERJ3GEYJ 124 V (120 kΩ)	B
R97	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R98	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R99	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R100	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R101	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R102	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R103	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R104	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)	B
R105	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R106	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R107	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	T
R108	7030003710	S.RESISTOR ERJ3GEYJ 184 V (180 kΩ)	T
R109	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)	T
R112	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R113	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R114	7030003630	S.RESISTOR ERJ3GEYJ 393 V (39 kΩ)	B
R115	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)	B
R116	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R117	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	B
R118	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R119	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R121	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	B
R122	7030003630	S.RESISTOR ERJ3GEYJ 393 V (39 kΩ)	B
R123	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R124	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R127	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R128	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R129	7030006480	S.RESISTOR MCR100JZHJ 10 Ω (100)	B
R130	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R131	7030001430	S.RESISTOR MCR50JZHJ 27 kΩ	B
R137	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R138	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R139	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R140	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R141	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

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

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R143	7030000410	S.RESISTOR MCR10EZHZ 1.8 kΩ	B
R144	7030000480	S.RESISTOR MCR10EZHZ 6.8 kΩ	T
R145	7030000410	S.RESISTOR MCR10EZHZ 1.8 kΩ	T
R148	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	T
R149	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)	T
R150	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)	T
R151	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 kΩ)	B
R153	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R154	7030003550	S.RESISTOR ERJ12YJ390U	B
R155	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R158	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	B
R159	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	B
R160	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	B
R162	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	B
		[FR4000]	B
	7030003610	S.RESISTOR ERJ3GEYJ 273 V (27 kΩ)	B
		[FR4100]	B
R163	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	B
R164	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	B
R165	7030003690	S.RESISTOR ERJ3GEYJ 124 V (120 kΩ)	T
R166	7030003740	S.RESISTOR ERJ3GEYJ 334 V (330 kΩ)	T
R168	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)	B
R169	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)	B
R170	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R171	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R172	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R175	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R177	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R179	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	B
R182	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R183	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R184	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R185	7030003570	S.RESISTOR ERJ3GEYJ 123 V (12 kΩ)	B
R186	7030003570	S.RESISTOR ERJ3GEYJ 123 V (12 kΩ)	B
R187	7030003490	S.RESISTOR ERJ3GEYJ 272 V (2.7 kΩ)	T
R188	7030003490	S.RESISTOR ERJ3GEYJ 272 V (2.7 kΩ)	T
R189	7410001130	S.ARRAY EXB28V102JX	T
R190	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R191	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R192	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)	B
R193	7030003760	S.RESISTOR ERJ3GEYJ 474 V (470 kΩ)	B
R194	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)	B
R195	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R196	7410001150	S.ARRAY EXB28V471JX	T
R197	7410001150	S.ARRAY EXB28V471JX	T
R198	7410001130	S.ARRAY EXB28V102JX	B
R199	7410001130	S.ARRAY EXB28V102JX	T
R200	7410001150	S.ARRAY EXB28V471JX	T
R201	7410001130	S.ARRAY EXB28V102JX	T
R202	7410001150	S.ARRAY EXB28V471JX	T
R203	7410001130	S.ARRAY EXB28V102JX	T
R204	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R205	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R206	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R207	7030003420	S.RESISTOR ERJ3GEYJ 681 V (680 Ω)	T
R208	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R209	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R210	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R211	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R212	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R213	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R214	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R215	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R216	7410001130	S.ARRAY EXB28V102JX	T
R217	7410001130	S.ARRAY EXB28V102JX	B
R218	7410001130	S.ARRAY EXB28V102JX	T
R219	7410001130	S.ARRAY EXB28V102JX	T
R220	7410001130	S.ARRAY EXB28V102JX	B
R221	7410001150	S.ARRAY EXB28V471JX	T
R222	7410001130	S.ARRAY EXB28V102JX	T
R223	7410001130	S.ARRAY EXB28V102JX	T
R224	7410001130	S.ARRAY EXB28V102JX	T
R225	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R227	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R228	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R229	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R230	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R231	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R232	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R233	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R234	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R235	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R236	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R237	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R238	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R239	7410001130	S.ARRAY EXB28V102JX	B
R240	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R241	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R242	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R243	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R245	7030003570	S.RESISTOR ERJ3GEYJ 123 V (12 kΩ)	B
R246	7410001140	S.ARRAY EXB28V104JX	B
R247	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R250	7410001140	S.ARRAY EXB28V104JX	B
R251	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R256	7030003240	S.RESISTOR ERJ3GEYJ 220 V (22 Ω)	T
R257	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R258	7030003650	S.RESISTOR ERJ3GEYJ 563 V (56 kΩ)	T
R259	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R260	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R261	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R262	7030001210	S.RESISTOR MCR50JZHZ 470 Ω (471)	B
R263	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R264	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R265	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)	B
R266	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R268	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R269	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R275	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R276	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R277	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R278	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R279	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R280	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R281	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R282	7030003740	S.RESISTOR ERJ3GEYJ 334 V (330 kΩ)	B
R283	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R284	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	B
R285	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	T
R289	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R290	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R291	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R292	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R293	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)	T
R294	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)	T
R295	7030003650	S.RESISTOR ERJ3GEYJ 563 V (56 kΩ)	T
R297	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R300	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R304	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	B
R305	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R306	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	B
R307	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	T
R312	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R313	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R314	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R315	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R316	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R317	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R318	7030003470	S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ)	T
R320	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R321	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R322	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	B
R323	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R325	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R326	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R327	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R328	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R329	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R330	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R331	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R332	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	B
R334	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R335	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R336	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R337	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R338	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R339	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R340	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R341	7030003510	S.RESISTOR ERJ3GEYJ 392 V (3.9 kΩ)	T
R342	7030003510	S.RESISTOR ERJ3GEYJ 392 V (3.9 kΩ)	T
R345	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	T
R346	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)	T
R347	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R348	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R349	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R350	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R351	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R352	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R353	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R355	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R356	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	B
R358	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R359	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R367	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R368	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R369	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B

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

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R370	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R371	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R372	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R373	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R375	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R376	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	B
R382	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R385	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R386	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R387	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R389	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R390	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R391	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R392	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R396	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R397	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R398	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R399	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R403	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R404	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R405	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R407	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R408	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R409	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R411	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R412	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R414	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R415	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	T
R417	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R435	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R436	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R438	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R441	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	B
R442	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	B
R443	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R450	7030000330	S.RESISTOR MCR10EZJH 390 Ω (391)	B
R451	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R452	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω)	B
R453	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R457	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R460	7030000330	S.RESISTOR MCR10EZJH 390 Ω (391)	B
R461	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R462	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R463	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R464	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R466	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R469	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R470	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R471	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R472	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R473	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R474	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R475	7030003740	S.RESISTOR ERJ3GEYJ 334 V (330 kΩ)	T
R476	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R477	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	T
R478	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R479	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
		[FR4100]	B
	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	B
		[FR4000]	B
R480	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R481	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	B
		[FR4000]	B
	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)	B
		[FR4100]	B
R486	7030001230	S.RESISTOR MCR50JZHJ 680 Ω (681)	T
R487	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R488	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R489	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R492	7030003470	S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ)	T
R493	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R494	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R495	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R496	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R497	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R498	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R500	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R501	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R503	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R504	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R505	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R506	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	T
R508	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R509	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R510	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R511	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R512	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R519	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	T

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R520	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R521	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R522	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R523	7030006480	S.RESISTOR MCR100JZHJ 10 Ω (100)	B
R524	7030003410	S.RESISTOR ERJ3GEYJ 561 V (560 Ω)	B
R525	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R526	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R527	7030007180	S.RESISTOR ERJ12YJ150U (15 Ω)	T
		[FR4100] only	T
R528	7030010340	S.RESISTOR ERJ12YJ103U (10 kΩ)	T
		[FR4100] only	B
R529	7030008020	S.RESISTOR ERJ12YJ472U (4.7 kΩ)	B
R530	7030006070	S.RESISTOR ERJ12YJ101U (100 Ω)	B
		[FR4100] only	T
R531	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
		[FR4000]	T
	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
		[FR4100]	T
C1	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C2	4030006870	S.CERAMIC C1608 JB 1H 222K-T	T
C3	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C4	4550006480	S.TANTALUM TEESVA 1C 475M8L	T
C5	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C6	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C7	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C8	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C9	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C10	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C11	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C12	4030017800	S.CERAMIC C1608 CH 1H 561J-T	T
C13	4030007120	S.CERAMIC C1608 CH 1H 820J-T	T
C14	4030007170	S.CERAMIC C1608 CH 1H 221J-T	T
C15	4030017870	S.CERAMIC C1608 CH 1H 681J-T	T
C16	4030007110	S.CERAMIC C1608 CH 1H 680J-T	T
C17	4030017870	S.CERAMIC C1608 CH 1H 681J-T	T
C18	4030007140	S.CERAMIC C1608 CH 1H 121J-T	T
C20	4030010760	S.CERAMIC C1608 CH 1H 331J-T	T
C23	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C24	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C25	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C26	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C27	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C28	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C30	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C31	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C32	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C33	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C34	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C36	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C37	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C38	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C39	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C40	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C42	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C43	4030006870	S.CERAMIC C1608 JB 1H 222K-T	B
C44	4030007080	S.CERAMIC C1608 CH 1H 390J-T	T
C45	4030017800	S.CERAMIC C1608 CH 1H 561J-T	T
C46	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C47	4030009490	S.CERAMIC C1608 JB 1H 821K-T	T
C48	4030007170	S.CERAMIC C1608 CH 1H 221J-T	T
C49	4030007170	S.CERAMIC C1608 CH 1H 221J-T	T
C50	4030007150	S.CERAMIC C1608 CH 1H 151J-T	T
C51	4030007030	S.CERAMIC C1608 CH 1H 150J-T	T
C52	4030007150	S.CERAMIC C1608 CH 1H 151J-T	T
C53	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C54	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C56	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C58	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C59	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C60	4030008860	S.CERAMIC C1608 JB 1H 153K-T	B
C61	4030008860	S.CERAMIC C1608 JB 1H 153K-T	B
C62	4030006880	S.CERAMIC C1608 JB 1H 472K-T	B
C63	4030010770	S.CERAMIC C1608 JB 1H 392K-T	B
C64	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C66	4030008850	S.CERAMIC C1608 JB 1H 123K-T	B
C67	4030010760	S.CERAMIC C1608 CH 1H 331J-T	B
C68	4030007170	S.CERAMIC C1608 CH 1H 221J-T	B
C70	4030009980	S.CERAMIC C1608 JB 1H 152K-T	B
C71	4030008900	S.CERAMIC C1608 JB 1H 333K-T	B
C72	4030007100	S.CERAMIC C1608 CH 1H 560J-T	B
C74	4550006480	S.TANTALUM TEESVA 1C 475M8L	B
C76	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C77	4030009490	S.CERAMIC C1608 JB 1H 821K-T	T
C78	4030007150	S.CERAMIC C1608 CH 1H 151J-T	T
C80	4030008920	S.CERAMIC C1608 JB 1H 473K-T	T
C83	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

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

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C84	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C85	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C87	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C88	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C89	4030008870	S.CERAMIC C1608 JB 1H 183K-T	T
C90	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C91	4030009490	S.CERAMIC C1608 JB 1H 821K-T	T
C92	4030008650	S.CERAMIC C1608 JB 1H 332K-T	B
C93	4030012610	S.CERAMIC C2012 JB 1C 474K-T	B
C94	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C95	4510004510	ELECTROLYTIC 25 MV 470 HC	T
C96	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C97	4510004510	ELECTROLYTIC 25 MV 470 HC	T
C98	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C99	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C100	4510007040	ELECTROLYTIC 50 MV 10 HWN	T
C103	4030017200	S.CERAMIC GRM31BR32J102KY01L	B
C106	4030008900	S.CERAMIC C1608 JB 1H 333K-T	T
C107	4510005310	S.ELECTROLYTIC ECEV1CA220SR	T
C108	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C109	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C110	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C111	4510005280	ELECTROLYTIC 6.3 MV 220 HC	B
C112	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C113	4030007170	S.CERAMIC C1608 CH 1H 221J-T	B
C114	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C115	4550003250	S.TANTALUM TEESVA 1V 474M8L	T
C116	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C117	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C118	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C123	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C124	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C125	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C126	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C127	4030008880	S.CERAMIC C1608 JB 1H 223K-T	T
C128	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C129	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C130	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C131	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C132	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C133	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C134	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C135	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C136	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C137	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C138	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C139	4030007050	S.CERAMIC C1608 CH 1H 220J-T	T
C140	4030007030	S.CERAMIC C1608 CH 1H 150J-T	T
C141	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C142	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C143	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C144	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C145	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C146	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C147	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C148	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C149	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C150	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C151	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C152	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C153	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C154	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C155	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C156	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C157	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C158	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C159	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C160	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C161	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C162	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C163	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C164	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C165	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C166	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C167	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C168	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C169	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C170	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C171	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C172	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C173	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C174	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C176	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C177	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C178	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C179	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C180	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C181	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C182	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C184	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C185	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C186	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C187	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C188	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C189	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C190	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C191	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C192	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C193	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C194	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C195	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C197	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C198	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C199	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C200	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C201	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C202	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C203	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C204	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C205	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C206	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C207	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C208	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C209	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C210	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C211	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C212	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C213	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C214	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C215	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C216	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C217	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C218	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C219	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C220	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C221	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C223	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C224	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C225	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C226	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C227	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C228	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C229	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C230	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C231	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C232	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C233	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C234	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C235	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C236	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C237	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C238	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C239	4510004510	ELECTROLYTIC 25 MV 470 HC	T
C240	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C241	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C242	4030007080	S.CERAMIC C1608 CH 1H 390J-T	B
C244	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C247	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C248	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C249	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C250	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C251	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C252	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C253	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C254	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C255	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C260	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C261	4550002960	S.TANTALUM TEESVA 1C 155M8L	B
C262	4030007070	S.CERAMIC C1608 CH 1H 330J-T	B
C263	4030007070	S.CERAMIC C1608 CH 1H 330J-T	B
C264	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C265	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C266	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C270	4030008880	S.CERAMIC C1608 JB 1H 223K-T	T
C271	4030008920	S.CERAMIC C1608 JB 1H 473K-T	T
C272	4030010020	S.CERAMIC C1608 JB 1H 122K-T	T
C273	4030009980	S.CERAMIC C1608 JB 1H 152K-T	T
C274	4030008900	S.CERAMIC C1608 JB 1H 333K-T	T
C275	4030008900	S.CERAMIC C1608 JB 1H 333K-T	T
C276	4030010020	S.CERAMIC C1608 JB 1H 122K-T	T
C277	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C282	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C283	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C287	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C288	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C289	4550006250	S.TANTALUM TEESVA 1A 106M8L	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

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

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C290	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C292	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C294	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C295	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C296	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C297	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C301	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C302	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C303	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C307	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C308	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C310	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C311	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C312	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C313	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C316	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C322	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C323	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C325	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C326	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C328	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C329	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C330	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C332	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C335	4550006480	S.TANTALUM TEESVA 1C 475M8L	B
C337	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C339	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C340	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C341	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C342	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C343	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C345	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C346	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C347	4550000530	S.TANTALUM TEESVA 1V 104M8L	B
C361	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C362	4030007050	S.CERAMIC C1608 CH 1H 220J-T	T
C363	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C364	4030007050	S.CERAMIC C1608 CH 1H 220J-T	T
C366	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C371	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C372	4030007110	S.CERAMIC C1608 CH 1H 680J-T	B
C373	4030008870	S.CERAMIC C1608 JB 1H 183K-T	B
C375	4310000900	MYLAR 250 MMW 105K-EF	T
C380	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C382	4030007050	S.CERAMIC C1608 CH 1H 220J-T	T
C383	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C384	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C386	4550006480	S.TANTALUM TEESVA 1C 475M8L	B
C388	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C389	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C390	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C395	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C396	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C397	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C398	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C399	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C407	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C408	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C409	4030006870	S.CERAMIC C1608 JB 1H 222K-T	T
C411	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C412	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C413	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C414	4030017490	S.CERAMIC C1608 JB 1A 105K-T	B
C415	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C416	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C417	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C418	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C419	4340000060	S.MYLAR ECH-U 1C103JB5	B
C420	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C421	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C422	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C423	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C424	4030007050	S.CERAMIC C1608 CH 1H 220J-T	T
C425	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C426	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C427	4030007170	S.CERAMIC C1608 CH 1H 221J-T	B
C428	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C429	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C430	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C431	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C432	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C433	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C434	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C435	4030007090	S.CERAMIC C1608 CH 1H 470J-T	T
C436	4030007090	S.CERAMIC C1608 CH 1H 470J-T	B
C437	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C438	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C439	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C440	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C441	4030018060	S.CERAMIC C5750 JB 2E 474KT	T
C442	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C443	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C447	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C448	4550002980	S.TANTALUM TEESVA 1C 225M8L	T
C449	4550000460	S.TANTALUM TEESVA 1C 105M8L	B
C450	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C451	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C452	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T
C453	4510005360	S.ELECTROLYTIC ECEV1HA4R7SR [FR4100] only	T
C454	4030008650	S.CERAMIC C1608 JB 1H 332K-T [FR4100] only	B
C455	4030007130	S.CERAMIC C1608 CH 1H 101J-T [FR4100] only	B
C456	4030006860	S.CERAMIC C1608 JB 1H 102K-T [FR4100] only	B
C457	4030011810	S.CERAMIC C1608 JB 1A 224K-T [FR4100] only	T
RL1	6330001640	RELAY ATX209	T
RL2	6330001640	RELAY ATX209	T
J1	6510022590	S.CONNECTOR 22FMN-BMTTR-A-TBT	B
J2	6510022590	S.CONNECTOR 22FMN-BMTTR-A-TBT	B
J3	6510022580	S.CONNECTOR 24FMN-BMTTR-A-TBT	B
J4	6510022620	S.CONNECTOR 10FMN-BMTTR-A-TBT	B
J5	6510018970	S.CONNECTOR B4B-PH-SM3-TB	B
J6	6510022620	S.CONNECTOR 10FMN-BMTTR-A-TBT	B
J7	6510018430	S.CONNECTOR AXN330C038P	B
J8	6510018430	S.CONNECTOR AXN330C038P	B
J9	6510020050	S.CONNECTOR B11B-PH-SM3-TB	T
J10	6510018940	S.CONNECTOR B13B-PH-SM3-TB	T
J11	6510018940	S.CONNECTOR B13B-PH-SM3-TB	T
J12	6510021440	S.CONNECTOR B6B-ZR-SM3-TF	B
J13	6510022190	S.CONNECTOR B3B-PH-SM3-TB	T
J14	6510022190	S.CONNECTOR B3B-PH-SM3-TB	T
J15	6510018960	S.CONNECTOR B2B-PH-SM3-TB	T
J16	6510018960	S.CONNECTOR B2B-PH-SM3-TB	T
F1	5210000030	FUSE FGB 1A (FGB0 125V)	T
F2	5220000020	HOLDER S-N5051	T
F3	5220000020	HOLDER S-N5051	T
T1	5920000570	TRANSFORMER 12T01	T
T2	5920000570	TRANSFORMER 12T01	T
T5	5920000860	TRANSFORMER PLA10AS1030R7R2	T
T6	5910000970	TRANSFORMER ATS-007 <ATE>	T
T7	5920000570	TRANSFORMER 12T01 [USA1], [USA3] Other	T
T7	5910000970	TRANSFORMER ATS-007 <ATE>	T
T7	5920000570	TRANSFORMER 12T01 [USA1], [USA3] Other	T
T8	5910000970	TRANSFORMER ATS-007 <ATE>	T
T8	5920000570	TRANSFORMER 12T01 [USA1], [USA3] Other	T
W1	7030003860	S.RESISTOR ERJ3GE JPW V	B
W2	7030003860	S.RESISTOR ERJ3GE JPW V	B
W3	8900008940	CABLE OPC-886 (P=1 N=10 L=75)	T
W4	8900009230	CABLE OPC-908 (P=1 N=10 L=60)	B
W5	8900008740	CABLE OPC-867 (P=1 N=24 L=60)	B
W7	7030003860	S.RESISTOR ERJ3GE JPW V	T
W8	7030007150	S.RESISTOR MCR50JZJH JPW (000) [FR4000] only	T
W10	8900009270	CABLE OPC-912 (P=1 N=22 L=70)	B
W11	8900009270	CABLE OPC-912 (P=1 N=22 L=70)	B
W12	7030003860	S.RESISTOR ERJ3GE JPW V	B
W13	7030003860	S.RESISTOR ERJ3GE JPW V	T
W14	7030003860	S.RESISTOR ERJ3GE JPW V	T
W15	7030003860	S.RESISTOR ERJ3GE JPW V	T
W16	7030003860	S.RESISTOR ERJ3GE JPW V	T
W17	7030003860	S.RESISTOR ERJ3GE JPW V	B
W18	7030003860	S.RESISTOR ERJ3GE JPW V	B
W19	7030003860	S.RESISTOR ERJ3GE JPW V	B
W20	7030003860	S.RESISTOR ERJ3GE JPW V	T
W21	7030003860	S.RESISTOR ERJ3GE JPW V [FR4100] only	T
EP1	6910056271	PCB B 6002A	B
EP2	6910014900	BEAD FRC-50-12-6.5	B
EP3	6910014890	E.OTHER FRC-WC1	B
EP4	6910015390	BEAD FRC27-12-1.3 [FR4100] only	B
EP5	6910015390	BEAD FRC27-12-1.3 [FR4100] only	B
EP6	6910014890	E.OTHER FRC-WC1 [FR4100] only	B
EP7	6910014890	E.OTHER FRC-WC1 [FR4100] only	B

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

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
IC1	1190000450	S.IC GN2011-Q (TX)	T
IC2	1110003490	S.IC TA31136FN (D,EL)	T
IC3	1180000420	S.IC TA78L05F (TE12R)	T
IC4	1140005990	S.IC MB15A02PFV1-G-BND-ER	B
IC5	1110002750	S.IC TA75S01F (TE85R)	B
IC6	1180000420	S.IC TA78L05F (TE12R)	B
IC7	1180000430	S.IC TA78L06F (TE12L)	T
IC8	1110003780	S.IC NJM2902V-TE1	T
Q1	1530003820	S.TRANSISTOR 2SC5337QS-T1	T
Q3	1560000670	S.FET 2SK1771 (TE85R)	T
Q6	1530001950	S.TRANSISTOR 2SC2712-GR (TE85R)	B
Q7	1530001950	S.TRANSISTOR 2SC2712-GR (TE85R)	B
Q8	1530002920	S.TRANSISTOR 2SC4226-T1 R25	B
Q9	1530003270	S.TRANSISTOR 2SC4703-T1 SF	B
Q14	1530002920	S.TRANSISTOR 2SC4226-T1 R25	B
Q15	1520000270	S.TRANSISTOR 2SB1182 TL Q	B
Q16	1530002060	S.TRANSISTOR 2SC4081 T106 R	B
Q18	1560000540	S.FET 2SK880-Y (TE85R)	B
Q19	1590000440	S.TRANSISTOR DTA143ZUA T106	T
Q20	1510000510	S.TRANSISTOR 2SA1576A T106R	T
Q21	1530002060	S.TRANSISTOR 2SC4081 T106 R	T
D1	1750000070	S.DIODE 1SS226 (TE85R)	T
D3	1720000640	S.VARICAP 1SV284 (TPH3)	T
D4	1720000640	S.VARICAP 1SV284 (TPH3)	T
D6	1720000640	S.VARICAP 1SV284 (TPH3)	T
D7	1720000640	S.VARICAP [USA3], [GEN3], [GEN7] only 1SV284 (TPH3)	T
D15	1750000140	S.DIODE 1SS268 (TE85R)	B
D16	1750000140	S.DIODE 1SS268 (TE85R)	B
F11	2030000201	S.MONOLITH FL-349A (70.00 MHz)	T
F15	2020001030	CERAMIC CFWLA455KGF A-B0	T
F16	2020001010	CERAMIC CFWLA455KFFA-B0	T
	2020001040	CERAMIC CFWLA455KEFA-B0 [FRG1], [FRG3] Other	T
X1	6070000150	S.DISCRIMINATOR CDBCB455KCAY24-R0	T
X2	6050011470	XTAL CR-729 (69.545 MHz)	T
X3	6050011480	S.XTAL CR-732 (12.800 MHz) Other	T
	6050011680	S.XTAL CR-758 (12.8 MHz) [USA1], [USA3], [FR4100]	T
L1	6200007670	S.COIL LQW2BHN10NJ01L	B
L2	6200010290	S.COIL C6328A-22NG-A	T
L3	6200010290	S.COIL C6328A-22NG-A	T
L4	6200007700	S.COIL LQW2BHN22NJ01L	T
L6	6200009700	S.COIL C6328A-28NG-A [L]	[L]
	6200010290	S.COIL C6328A-22NG-A [M], [H]	[M], [H]
L7	6200009700	S.COIL C6328A-28NG-A [L]	[L]
	6200010290	S.COIL C6328A-22NG-A [M], [H]	[M], [H]
L8	6200010490	S.COIL 458DB-1011=P3	T
L9	6200010490	S.COIL 458DB-1011=P3	T
L10	6200010490	S.COIL 458DB-1011=P3	T
L11	6200008730	S.COIL ELJND R10J	B
L14	6200005510	S.COIL ELJND R27J-F	T
L20	6200010300	S.COIL ELJND R68JF	T
L21	6200007230	S.COIL LQW2BHN15NJ01L	B
L22	6200007710	S.COIL LQW2BHN27NJ01L	B
L23	6200007680	S.COIL LQW2BHN12NJ01L	B
L24	6200007680	S.COIL LQW2BHN12NJ01L	B
L25	6200007230	S.COIL LQW2BHN15NJ01L	B
L27	6200007230	S.COIL LQW2BHN15NJ01L	B
L29	6200007230	S.COIL LQW2BHN15NJ01L	B
L30	6200007230	S.COIL LQW2BHN15NJ01L	B
L31	6200010300	S.COIL ELJND R68JF	B
L32	6200007670	S.COIL LQW2BHN10NJ01L	T
L33	6200005510	S.COIL ELJND R27J-F [FR4100]	T
	6200007340	S.COIL ELJND R22J [FR4000]	T
L35	6200007350	S.COIL ELJND R39J [FR4100]	T
	6200007820	S.COIL ELJND R33J [FR4000]	T
L39	6200007680	S.COIL LQW2BHN12NJ01L	B
L40	6200010300	S.COIL ELJND R68JF	T
L41	6200009940	S.COIL BLM21PG221SN1	T
L42	6910011690	S.COIL ACB1608M-600-T	B
L43	6910011690	S.COIL ACB1608M-600-T	T
L44	6910011690	S.COIL ACB1608M-600-T	B
L45	6910011690	S.COIL ACB1608M-600-T	T
L46	6910011690	S.COIL ACB1608M-600-T	T
L47	6910011690	S.COIL ACB1608M-600-T	T
L48	6910011690	S.COIL ACB1608M-600-T	B

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
L49	6910011690	S.COIL ACB1608M-600-T	T
L50	6910011690	S.COIL ACB1608M-600-T	B
L51	6910011690	S.COIL ACB1608M-600-T	T
L52	6200007680	S.COIL LQW2BHN12NJ01L	B
L53	6200007680	S.COIL LQW2BHN12NJ01L	B
L54	6200007300	S.COIL ELJND 68NJF [L], [M] only	T
R1	7030003670	S.RESISTOR ERJ3GEYJ 823 V (82 kΩ)	T
R2	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R3	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R4	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	T
R5	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	T
R6	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R9	7030000140	S.RESISTOR MCR10EZHJ 10 Ω (100)	B
R10	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R11	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ) [USA3], [GEN3], [GEN7] only	B
R14	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R15	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R19	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R25	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)	T
R26	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ) [H]	B
R35	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ) [L], [M]	B
R36	7030003420	S.RESISTOR ERJ3GEYJ 681 V (680 Ω)	T
R37	7030003330	S.RESISTOR ERJ3GEYJ 121 V (120 Ω)	T
R39	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R40	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R41	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R42	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R43	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R44	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R45	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R48	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R49	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R50	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R52	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R53	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R54	7030003780	S.RESISTOR ERJ3GEYJ 684 V (680 kΩ)	T
R55	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	T
R56	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R57	7510001670	S.THRMISTOR NTCG16 4BH 103KT	T
R58	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	T
R60	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R61	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R62	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R63	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R64	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω)	B
R65	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω)	B
R66	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω)	B
R67	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R68	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R69	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R70	7030003300	S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	B
R71	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R72	7030000140	S.RESISTOR MCR10EZHJ 10 Ω (100)	B
R73	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R74	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R75	7030003300	S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	B
R76	7030003340	S.RESISTOR ERJ3GEYJ 151 V (150 Ω)	B
R77	7030006060	S.RESISTOR ERJ12YJ100U (10 Ω)	B
R81	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
	7030003350	S.RESISTOR ERJ3GEYJ 181 V (180 Ω) [FR4000]	B
R84	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R85	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R86	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R87	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R88	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	B
R92	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R93	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R112	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R115	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R116	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R117	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R118	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R119	7030003300	S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	B
R120	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R121	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R122	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R123	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R126	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R127	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R134	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	B
R135	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T

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

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R136	7030003260	S.RESISTOR ERJ3GEYJ 330 V (33 Ω)	[FR4100] B
	7030003300	S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	[FR4000] B
R137	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	[FR4000] B
	7030003350	S.RESISTOR ERJ3GEYJ 181 V (180 Ω)	[FR4100] B
R138	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	B
R139	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	B
R140	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	B
R148	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R149	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R153	7030003470	S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ)	Other T
	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	[FRG1], [FRG3] T
R155	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R156	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R157	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R158	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R159	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R160	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R163	7030003340	S.RESISTOR ERJ3GEYJ 151 V (150 Ω)	B
R164	7030003270	S.RESISTOR ERJ3GEYJ 390 V (39 Ω)	B
R165	7030003340	S.RESISTOR ERJ3GEYJ 151 V (150 Ω)	B
R166	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R167	7030003750	S.RESISTOR ERJ3GEYJ 394 V (390 kΩ)	T
R168	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R169	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R170	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R171	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R172	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R173	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	T
R174	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R175	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	B
R176	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R177	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R178	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R179	7030003790	S.RESISTOR ERJ3GEYJ 824 V (820 kΩ)	B
R180	7030003770	S.RESISTOR ERJ3GEYJ 564 V (560 kΩ)	B
R181	7540000250	ABSORBER SA05C 401N	T
R182	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R183	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R184	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R185	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R186	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R187	7510001560	S.THERMISTOR NTCG16 4BH 102KT	T
C1	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C2	4030009910	S.CERAMIC C1608 CH 1H 040B-T	B
C4	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C5	4030009910	S.CERAMIC C1608 CH 1H 040B-T	T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T	[USA3], [GEN3], [GEN7] T
	4030011770	S.CERAMIC C1608 CH 1H 060B-T	[EUR3], [FRG3] Other T
C6	4030009910	S.CERAMIC C1608 CH 1H 040B-T	[USA3], [GEN3], [GEN7] T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T	[EUR3], [FRG3] T
	4030011770	S.CERAMIC C1608 CH 1H 060B-T	Other T
C7	4030009910	S.CERAMIC C1608 CH 1H 040B-T	[USA3], [GEN3], [GEN7] T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T	[EUR3], [FRG3] T
	4030011770	S.CERAMIC C1608 CH 1H 060B-T	Other T
C8	4030009910	S.CERAMIC C1608 CH 1H 040B-T	[USA3], [GEN3], [GEN7] T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T	[EUR3], [FRG3] T
	4030011770	S.CERAMIC C1608 CH 1H 060B-T	Other T
C10	4610001590	S.TRIMMER TZC3R100A110R00	T
C11	4610001590	S.TRIMMER TZC3R100A110R00	Other T
	4610001920	S.TRIMMER TZC32060A110R00	[GEN2], [GEN6], [EUR3], [FRG3] T
C12	4610001590	S.TRIMMER TZC3R100A110R00	[GEN2], [GEN6], [EUR3], [FRG3] T
	4610001970	S.TRIMMER TZC3P200A110R00	Other T
C13	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C14	4030007000	S.CERAMIC C1608 CH 1H 090D-T	T
C18	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C19	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C20	4030007100	S.CERAMIC C1608 CH 1H 560J-T	T
C21	4030009910	S.CERAMIC C1608 CH 1H 040B-T	T
C22	4030009910	S.CERAMIC C1608 CH 1H 040B-T	T
C23	4030009920	S.CERAMIC C1608 CH 1H 050B-T	[H] only T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C24	4030006990	S.CERAMIC C1608 CH 1H 080D-T	[GEN2], [GEN6], [EUR3], [FRG3] T
	4030009910	S.CERAMIC C1608 CH 1H 040B-T	Other T
C26	4610001590	S.TRIMMER TZC3R100A110R00	T
C27	4610001590	S.TRIMMER TZC3R100A110R00	T
C28	4610001590	S.TRIMMER TZC3R100A110R00	[EUR3], [FRG3] T
	4610001970	S.TRIMMER TZC3P200A110R00	Other T
C29	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C30	4030006990	S.CERAMIC C1608 CH 1H 080D-T	[EUR3], [FRG3] T
	4030009910	S.CERAMIC C1608 CH 1H 040B-T	Other T
C31	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C32	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C33	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C34	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C35	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C39	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C40	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C41	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C42	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C43	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C44	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C46	4030007040	S.CERAMIC C1608 CH 1H 180J-T	T
C47	4030007030	S.CERAMIC C1608 CH 1H 150J-T	[FR4100] T
	4030007040	S.CERAMIC C1608 CH 1H 180J-T	[FR4000] T
C48	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C50	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C51	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C52	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C53	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C55	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C56	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C57	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C58	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C59	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C60	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C62	4030007120	S.CERAMIC C1608 CH 1H 820J-T	T
C64	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C65	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C67	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C68	4550000460	S.TANTALUM TEESVA 1C 105M8L	B
C69	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C70	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C71	4030007160	S.CERAMIC C1608 CH 1H 181J-T	T
C72	4030007160	S.CERAMIC C1608 CH 1H 181J-T	T
C73	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C74	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C75	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C76	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C77	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C78	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C79	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C80	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C81	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C82	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C83	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C84	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C85	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C86	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C87	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C102	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C103	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C104	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C105	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C106	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C108	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C109	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C110	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C112	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C113	4030007050	S.CERAMIC C1608 CH 1H 220J-T	B
C114	4030007020	S.CERAMIC C1608 CH 1H 120J-T	B
C115	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C116	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C117	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C118	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C119	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C120	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C121	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C122	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C123	4030006980	S.CERAMIC C1608 CH 1H 070D-T	B
C124	4030009910	S.CERAMIC C1608 CH 1H 040B-T	B
C126	4030011770	S.CERAMIC C1608 CH 1H 060B-T	B
C131	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C132	4030007070	S.CERAMIC C1608 CH 1H 330J-T	B
C133	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C134	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C135	4030006980	S.CERAMIC C1608 CH 1H 070D-T	B

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

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C137	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C138	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C140	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C141	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C142	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C143	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C146	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C151	4030007010	S.CERAMIC C1608 CH 1H 100D-T	B
C152	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C153	4030009920	S.CERAMIC C1608 CH 1H 050B-T	B
C158	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C159	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C165	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C166	4030008880	S.CERAMIC C1608 JB 1H 223K-T	B
C167	4550002980	S.TANTALUM TEESVA 1C 225M8L	T
C173	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C175	4550006350	S.TANTALUM TEESVB2 1A 226M8L	B
C177	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C180	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C181	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C182	4030011770	S.CERAMIC C1608 CH 1H 060B-T	T
C183	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C184	4030007020	S.CERAMIC C1608 CH 1H 120J-T	B
C186	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C187	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C188	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C191	4030007010	S.CERAMIC C1608 CH 1H 100D-T [FR4000]	T
	4030007030	S.CERAMIC C1608 CH 1H 150J-T [FR4100]	T
C192	4030009920	S.CERAMIC C1608 CH 1H 050B-T	T
C193	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C194	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C195	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C196	4550000530	S.TANTALUM TEESVA 1V 104M8L	B
C199	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C200	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C201	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C202	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C203	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C204	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C205	4030006980	S.CERAMIC C1608 CH 1H 070D-T [GEN2], [GEN6], [EUR3], [FRG3]	T
	4030009910	S.CERAMIC C1608 CH 1H 040B-T [USA3], [GEN3], [GEN7]	T
	4030011770	S.CERAMIC C1608 CH 1H 060B-T Other	T
C206	4030006980	S.CERAMIC C1608 CH 1H 070D-T [GEN2], [GEN6], [EUR3], [FRG3]	T
	4030009910	S.CERAMIC C1608 CH 1H 040B-T [USA3], [GEN3], [GEN7]	T
C207	4030011770	S.CERAMIC C1608 CH 1H 060B-T Other	T
	4030007030	S.CERAMIC C1608 CH 1H 150J-T Other	T
	4030007040	S.CERAMIC C1608 CH 1H 180J-T [GEN2], [GEN6]	T
	4030009910	S.CERAMIC C1608 CH 1H 040B-T [USA3], [GEN3], [GEN7]	T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T [EUR3], [FRG3]	T
C208	4030007030	S.CERAMIC C1608 CH 1H 150J-T Other	T
	4030007040	S.CERAMIC C1608 CH 1H 180J-T [GEN2], [GEN6]	T
	4030009910	S.CERAMIC C1608 CH 1H 040B-T [USA3], [GEN3], [GEN7]	T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T [EUR3], [FRG3]	T
C210	4030006980	S.CERAMIC C1608 CH 1H 070D-T [H]	T
	4030007000	S.CERAMIC C1608 CH 1H 090D-T [L], [M]	T
C211	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C212	4030007170	S.CERAMIC C1608 CH 1H 221J-T	T
C213	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C214	4030007020	S.CERAMIC C1608 CH 1H 120J-T	B
C215	4030007020	S.CERAMIC C1608 CH 1H 120J-T	B
C216	4030007020	S.CERAMIC C1608 CH 1H 120J-T	B
C217	4030007020	S.CERAMIC C1608 CH 1H 120J-T	B
C220	4030008650	S.CERAMIC C1608 JB 1H 332K-T	T
C221	4030006980	S.CERAMIC C1608 CH 1H 070D-T [GEN2], [GEN6], [EUR3], [FRG3]	T
C222	4030006980	S.CERAMIC C1608 CH 1H 070D-T [GEN2], [GEN6], [EUR3], [FRG3]	T
C223	4030007020	S.CERAMIC C1608 CH 1H 120J-T [GEN2], [GEN6]	T
	4030007040	S.CERAMIC C1608 CH 1H 180J-T [L]	T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T [EUR3], [FRG3]	T
C224	4030007020	S.CERAMIC C1608 CH 1H 120J-T [GEN2], [GEN6]	T
	4030007040	S.CERAMIC C1608 CH 1H 180J-T [L]	T
	4030009920	S.CERAMIC C1608 CH 1H 050B-T [EUR3], [FRG3]	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C225	4030006860	S.CERAMIC C1608 JB 1H 102K-T [EUR3], [FRG3]	T
	4030009530	S.CERAMIC C1608 CH 1H 030B-T [L], [M]	T
C227	4030009920	S.CERAMIC C1608 CH 1H 050B-T [GEN2], [GEN6], [EUR3], [FRG3] only	T
C228	4030006980	S.CERAMIC C1608 CH 1H 070D-T [GEN2], [GEN6] only	T
C230	4030007170	S.CERAMIC C1608 CH 1H 221J-T [EUR1], [FRG1] only	T
C231	4030007170	S.CERAMIC C1608 CH 1H 221J-T [L] only	T
C232	4030007170	S.CERAMIC C1608 CH 1H 221J-T [EUR1], [FRG1] only	T
J1	6510018450	CONNECTOR TMP-S01X-B1	T
J2	6510022590	S.CONNECTOR 22FMM-BMTRR-A-TBT	T
J5	6510018450	CONNECTOR TMP-S01X-B1	T
W1	7030003860	S.RESISTOR ERJ3GE JPW V	B
W2	7030003860	S.RESISTOR ERJ3GE JPW V	B
W3	7030003860	S.RESISTOR ERJ3GE JPW V	B
W4	7030003860	S.RESISTOR ERJ3GE JPW V	B
W6	7030003860	S.RESISTOR ERJ3GE JPW V	B
W7	7030003860	S.RESISTOR ERJ3GE JPW V	T
W8	7030003860	S.RESISTOR ERJ3GE JPW V	T
W12	7030003860	S.RESISTOR ERJ3GE JPW V	T
W13	7030003860	S.RESISTOR ERJ3GE JPW V	T
W14	7030003860	S.RESISTOR ERJ3GE JPW V	T
W15	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	T
W16	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	T
W17	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	T
W18	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	T
W19	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	B
W20	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	B
W21	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	B
W22	7030003860	S.RESISTOR ERJ3GE JPW V [M], [H] only	B
W23	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	T
W24	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	T
W25	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	T
W26	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	T
W27	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	T
W28	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	B
W29	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	B
W30	7030003860	S.RESISTOR ERJ3GE JPW V [L], [USA3], [GEN3], [GEN7]	B
W31	7030003860	S.RESISTOR ERJ3GE JPW V [USA3], [GEN3], [GEN7]	B
W32	7030003860	S.RESISTOR ERJ3GE JPW V [USA3], [GEN3], [GEN7]	B
EP1	0910057001	PCB B 5657K	

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

[RVCO UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
Q1	1560001280	S.FET 2SK508 K53 T1B	T
Q2	1530002920	S.TRANSISTOR 2SC4226-T1 R25	T
D1	1720000640	S.VARICAP 1SV284 (TPH3)	T
D2	1720000640	S.VARICAP 1SV284 (TPH3)	T
D3	1720000640	S.VARICAP 1SV284 (TPH3)	T
D4	1720000640	S.VARICAP 1SV284 (TPH3)	T
L1	6200007120	S.COIL ELJND 1R0J	T
L2	6200008730	S.COIL ELJND R10J	T
L3	6200009700	S.COIL C6328A-28NG-A	[L]
	6200010290	S.COIL C6328A-22NG-A	[M], [H]
L4	6200008730	S.COIL ELJND R10J	T
L5	6200007210	S.COIL ELJND 10NKF	T
L6	6200005700	S.COIL ELJRE 22NG-F	T
L9	6200005740	S.COIL ELJRE 47NG-F	T
R1	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
R2	7030003400	S.RESISTOR ERJ3GEYJ 471 V (470 Ω)	T
R3	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R4	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)	T
R5	7030003350	S.RESISTOR ERJ3GEYJ 181 V (180 Ω)	T
R6	7030003500	S.RESISTOR ERJ3GEYJ 332 V (3.3 kΩ)	T
R13	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	T
C1	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C2	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C3	4550006770	S.TANTALUM TEESVD2 1C 476M-12R	T
C4	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C5	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C7	4030006980	S.CERAMIC C1608 CH 1H 070D-T	T
C8	4030009920	S.CERAMIC C1608 CH 1H 050B-T	T
C9	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C10	4030009500	S.CERAMIC C1608 CH 1H 0R5B-T	T
C11	4030009920	S.CERAMIC C1608 CH 1H 050B-T	T
C13	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C14	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C16	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C17	4610001920	S.TRIMMER TZC3Z060A110R00	T
C22	4030009510	S.CERAMIC C1608 CH 1H 010B-T	[H]
	4030009520	S.CERAMIC C1608 CH 1H 020B-T	[L], [M]
C27	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C28	4030009520	S.CERAMIC C1608 CH 1H 020B-T [L], [H] only	T
J1	6510022900	CONNECTOR IMSA9201B-1-06Z198-T	T
EP1	0910056144	PCB B 5658D	

[TX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
IC1	1180000420	S.IC TA78L05F (TE12R)	B
IC2	1140005990	S.IC MB15A02PFV1-G-BND-ER	B
IC3	1110002400	S.IC NJM2107F-TE1	B
IC4	1180000430	S.IC TA78L06F (TE12L)	B
IC5	1190001350	S.IC M62364FP 600D	B
IC6	1110002400	S.IC NJM2107F-TE1	T
Q1	1530000371	S.TRANSISTOR 2SC3356-T1B R25	T
Q2	1530003270	S.TRANSISTOR 2SC4703-T1 SF	T
Q3	1530002920	S.TRANSISTOR 2SC4226-T1 R25	B
Q5	1530001950	S.TRANSISTOR 2SC2712-GR (TE85R)	T
Q6	1530002050	S.TRANSISTOR 2SC3661-TB	B
Q7	1510000510	S.TRANSISTOR 2SA1576A T106R	B
Q9	1530001950	S.TRANSISTOR 2SC2712-GR (TE85R)	B
Q10	1560000540	S.FET 2SK880-Y (TE85R)	T
D1	1790001620	S.DIODE 1SV308 (TPL3)	T
D3	1710000840	S.DIODE 1SR154-400 TE25	T
D4	1790001250	S.DIODE MA2S111-(TX)	B
X1	6050011480	S.XTAL CR-732 (12.800 MHz)	Other T
	6050011680	S.XTAL CR-758 (12.8 MHz)	[USA1], [USA3], [FR4100] T
L1	6200007690	S.COIL LQW2BHN18NJ01L	B
L2	6200007710	S.COIL LQW2BHN27NJ01L	T
L3	6200007230	S.COIL LQW2BHN15NJ01L	T
L8	6200008730	S.COIL ELJND R10J	T
L9	6200008730	S.COIL ELJND R10J	T
L10	6200007690	S.COIL LQW2BHN18NJ01L	B
L11	6200007710	S.COIL LQW2BHN27NJ01L	B
L14	6200007670	S.COIL LQW2BHN10NJ01L	T
L15	6200007700	S.COIL LQW2BHN22NJ01L	T
L16	6200007700	S.COIL LQW2BHN22NJ01L	T
L17	6910011690	S.COIL ACB1608M-600-T	B
L18	6910011690	S.COIL ACB1608M-600-T	B
L19	6910011690	S.COIL ACB1608M-600-T	B
L20	6910011690	S.COIL ACB1608M-600-T	B
L21	6910011690	S.COIL ACB1608M-600-T	B
L22	6910011690	S.COIL ACB1608M-600-T	B
L23	6910011690	S.COIL ACB1608M-600-T	B
L24	6910011690	S.COIL ACB1608M-600-T	B
L25	6910011690	S.COIL ACB1608M-600-T	B
L26	6910011690	S.COIL ACB1608M-600-T	B
L27	6200009940	S.COIL BLM21PG221SN1	B
L28	6200009940	S.COIL BLM21PG221SN1	T
L29	6910011690	S.COIL ACB1608M-600-T	T
L30	6910011690	S.COIL ACB1608M-600-T	B
R1	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω)	B
R2	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω)	B
R3	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω)	B
R4	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R5	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R6	7030003300	S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	T
R7	7030003360	S.RESISTOR ERJ3GEYJ 221 V (220 Ω)	T
R8	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	[L], [M] only T
R9	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R10	7030003360	S.RESISTOR ERJ3GEYJ 221 V (220 Ω)	T
R11	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω)	T
R16	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R17	7030003330	S.RESISTOR ERJ3GEYJ 121 V (120 Ω)	T
R18	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R19	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R20	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R21	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R23	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R24	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R25	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R26	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R27	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R29	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R31	7030003470	S.RESISTOR ERJ3GEYJ 182 V (1.8 kΩ)	B
R33	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	B
R36	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R37	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R38	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R39	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ)	B
R41	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	B
R42	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R45	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R50	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

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

[TX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
R51	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	B
R52	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	B
R53	7030003300	S.RESISTOR ERJ3GEYJ 680 V (68 Ω)	B
R54	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	B
R55	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R56	7030003240	S.RESISTOR ERJ3GEYJ 220 V (22 Ω)	B
R57	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R61	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R64	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	B
R66	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)	B
R67	7030003770	S.RESISTOR ERJ3GEYJ 564 V (560 kΩ)	B
R68	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R69	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R70	7030003800	S.RESISTOR ERJ3GEYJ 105 V (1 MΩ)	B
R71	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R76	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R77	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R78	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R79	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R80	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R81	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R83	7030003280	S.RESISTOR ERJ3GEYJ 470 V (47 Ω)	B
R84	7030003540	S.RESISTOR ERJ3GEYJ 682 V (6.8 kΩ)	T
R85	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R86	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R87	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R88	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R90	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	B
R91	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R92	7030004040	S.RESISTOR ERJ3GEYJ 4R7 V (4.7 Ω)	B
R93	7030003720	S.RESISTOR ERJ3GEYJ 224 V (220 kΩ)	T
R94	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R95	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R96	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R97	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	T
R98	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	B
R99	7030003530	S.RESISTOR ERJ3GEYJ 562 V (5.6 kΩ)	B
R100	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω)	T
R101	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω) [L], [M], [FR4100] only	T
	7030003860	S.RESISTOR ERJ3GE JPW V [USA3], [GEN3], [GEN7]	T
R102	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω) [L], [M], [FR4100] only	T
R103	7030003860	S.RESISTOR ERJ3GE JPW V	B
R104	7030003860	S.RESISTOR ERJ3GE JPW V	T
R105	7030003860	S.RESISTOR ERJ3GE JPW V	B
R106	7030003860	S.RESISTOR ERJ3GE JPW V	B
C1	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C2	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C3	4030006980	S.CERAMIC C1608 CH 1H 070D-T	B
C4	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C5	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C6	4030006990	S.CERAMIC C1608 CH 1H 080D-T	T
C8	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C9	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C10	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C15	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C16	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C17	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C18	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C19	4030006980	S.CERAMIC C1608 CH 1H 070D-T	B
C20	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C21	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C22	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C24	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C26	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C27	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C28	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C29	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C32	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C33	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C34	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C35	4030006870	S.CERAMIC C1608 JB 1H 222K-T	B
C36	4550006390	S.TANTALUM TEESVA 1C 335M8L	B
C37	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C38	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C39	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C40	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C41	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C42	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C43	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C44	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C45	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C46	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[TX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.
C47	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C48	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C49	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C50	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C51	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C52	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C56	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C57	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C58	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C59	4030008920	S.CERAMIC C1608 JB 1H 473K-T	B
C60	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C61	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C65	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C67	4550002980	S.TANTALUM TEESVA 1C 225M8L	B
C68	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C69	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C72	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C73	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C74	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C75	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C76	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C77	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C78	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C79	4030006850	S.CERAMIC C1608 JB 1H 471K-T	B
C80	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C82	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C85	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C89	4030009920	S.CERAMIC C1608 CH 1H 050B-T	T
C90	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C91	4030009920	S.CERAMIC C1608 CH 1H 050B-T	T
C92	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C93	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C96	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C97	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C98	4510004640	S.ELECTROLYTIC ECEV1CA470SP	T
C99	4550000460	S.TANTALUM TEESVA 1C 105M8L	T
C100	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C103	4030006900	S.CERAMIC C1608 JB 1H 103K-T	B
C104	4030011600	S.CERAMIC C1608 JB 1E 104K-T	B
C105	4510004630	S.ELECTROLYTIC ECEV1CA100SR	T
C107	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C108	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C109	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C110	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C111	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C112	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C113	4550006250	S.TANTALUM TEESVA 1A 106M8L	B
C114	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C115	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C116	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C117	4030007130	S.CERAMIC C1608 CH 1H 101J-T	B
C118	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C119	4550000460	S.TANTALUM TEESVA 1C 105M8L	B
C120	4030006860	S.CERAMIC C1608 JB 1H 102K-T	B
C121	4030007000	S.CERAMIC C1608 CH 1H 090D-T	T
C122	4550006250	S.TANTALUM TEESVA 1A 106M8L	T
C123	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
J3	6510022590	S.CONNECTOR 22FMN-BMTTR-A-TBT	T
J4	6510022800	S.CONNECTOR B10B-PH-SM3-TB	T
W11	8900012490	CABLE OPC-1281 (TX-ANT CABLE EUR) [FR4100] only	T
WS1	8970024070	FX2368 1.5D COAXIAL TUBE (1)/TX [FR4000] only	T
EP1	0910056156	PCB B 5660F	

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

[TVCO UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
Q1	1530000371	S.TRANSISTOR	2SC3356-T1B R25	T
Q2	1530002920	S.TRANSISTOR	2SC4226-T1 R25	T
D1	1720000640	S.VARICAP	1SV284 (TPH3)	T
D2	1720000640	S.VARICAP	1SV284 (TPH3)	T
D3	1720000640	S.VARICAP	1SV284 (TPH3)	T
D4	1720000640	S.VARICAP	1SV284 (TPH3)	T
D5	1720000640	S.VARICAP	1SV284 (TPH3)	T
L1	6200003960	S.COIL	MLF1608A 1R0K-T	T
L2	6200003960	S.COIL	MLF1608A 1R0K-T	T
L3	6200010280	S.COIL	C3328A-14NG-A	T
L4	6200007000	S.COIL	ELJRE 82NG-F	T
L5	6200005700	S.COIL	ELJRE 22NG-F	T
L6	6200007000	S.COIL	ELJRE 82NG-F	T
L7	6200005740	S.COIL	ELJRE 47NG-F	[H] T
	6200009180	S.COIL	ELJRE R10J-F3	[L], [M] T
R1	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	T
R2	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	T
R3	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	T
R4	7030003550	S.RESISTOR	ERJ3GEYJ 822 V (8.2 kΩ)	T
R5	7030003350	S.RESISTOR	ERJ3GEYJ 181 V (180 Ω)	T
R6	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	T
R7	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	T
R8	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	T
R12	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R13	7030003280	S.RESISTOR	ERJ3GEYJ 470 V (47 Ω)	T
R14	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	T
R15	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)	T
C1	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C2	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C3	4550006770	S.TANTALUM	TEESVD2 1C 476M-12R	T
C4	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C5	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C6	4030009510	S.CERAMIC	C1608 CH 1H 010B-T	[H] T
	4030009520	S.CERAMIC	C1608 CH 1H 020B-T	[L] T
	4030009540	S.CERAMIC	C1608 CH 1H 1R5B-T	[M] T
C7	4030009550	S.CERAMIC	C1608 CH 1H 2R5B-T	T
C8	4030007000	S.CERAMIC	C1608 CH 1H 090D-T	T
C9	4030007010	S.CERAMIC	C1608 CH 1H 100D-T	T
C10	4030009510	S.CERAMIC	C1608 CH 1H 010B-T	T
C11	4030007000	S.CERAMIC	C1608 CH 1H 090D-T	T
C12	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C13	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C14	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C15	4030009510	S.CERAMIC	C1608 CH 1H 010B-T	T
C16	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C17	4610001920	S.TRIMMER	TZC3Z060A110R00	T
C18	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C22	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C23	4030009520	S.CERAMIC	C1608 CH 1H 020B-T	T
C24	4030009530	S.CERAMIC	C1608 CH 1H 030B-T	[M], [H] T
	4030009920	S.CERAMIC	C1608 CH 1H 050B-T	[L] T
C25	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C26	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C27	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C28	4030009510	S.CERAMIC	C1608 CH 1H 010B-T	[M], [H] T
	4030009520	S.CERAMIC	C1608 CH 1H 020B-T	[L] T
C29	4030009510	S.CERAMIC	C1608 CH 1H 010B-T [L], [M] only	T
J1	6910008020	CONNECTOR	IPS-1323	T
J2	6910008020	CONNECTOR	IPS-1323	T
J3	6910008020	CONNECTOR	IPS-1323	T
J4	6910008020	CONNECTOR	IPS-1323	T
J5	6910008020	CONNECTOR	IPS-1323	T
J6	6910008020	CONNECTOR	IPS-1323	T
EP1	0910056168	PCB	B 5661H	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[25PA UNIT] IC-FR4100 ONLY

REF NO.	ORDER NO.	DESCRIPTION		M.
IC1	1110002750	S.IC	TA75S01F (TE85R)	T
IC2	1150001670	IC	S-AU27AL (ICOM) / SC-1322 [L]	T
	1150001680	IC	S-AU27AM (ICOM) / SC-1323 [H]	T
IC3	1110002400	S.IC	NJM2107F-TE1	T
IC7	1180000420	S.IC	TA78L05F (TE12R)	T
IC8	1180002660	S.REG	μPC2910T-E1	T
Q4	1560001300	S.FET	2SK3475 (T2LICOM)	T
Q7	1590000680	S.TRANSISTOR	DTC114EUA T106	T
Q8	1510000590	S.TRANSISTOR	2SA1362-Y (TE85L)	T
Q9	1590000680	S.TRANSISTOR	DTC114EUA T106	T
Q10	1590000680	S.TRANSISTOR	DTC114EUA T106	T
Q11	1520000410	TRANSISTOR	2SB1143 T	T
Q12	1530001940	S.TRANSISTOR	2SC2712-BL (TE85R)	T
D2	1720000360	S.DIODE	HSU88TRF	T
D4	1720000360	S.DIODE	HSU88TRF	T
D5	1750000200	S.DIODE	1SS319 (TE85R)	T
D6	1730002340	S.ZENER	MA8047-M (TX)	T
D7	1730002340	S.ZENER	MA8047-M (TX)	T
D13	1750000550	S.DIODE	1SS355 TE-17	T
D15	1790000720	DIODE	MA29W-B	T
L6	6110003850	COIL	LA-587	[H] T
	6110003940	COIL	LA-586	[L] T
L7	6110003850	COIL	LA-587	[H] T
	6110003940	COIL	LA-586	[L] T
L8	6200007670	S.COIL	LQW2BHN10NJ01L	T
L10	6110003661	COIL	LA-563A	T
L13	6110003661	COIL	LA-563A	T
L14	6200003960	S.COIL	MLF1608A 1R0K-T	T
L15	6200009790	S.COIL	BLM31PG121SN1	T
L16	6910000670	COIL	BL01RN1A1D2B (BL01RN1-A62)	T
L17	6200009790	S.COIL	BLM31PG121SN1	T
L18	6200009790	S.COIL	BLM31PG121SN1	T
L19	6200005640	S.COIL	ELJRE 6N8Z-F	T
L20	6110003830	COIL	LA-583	[L] T
	6110003860	COIL	LA-588	[H] T
L21	6110003830	COIL	LA-583	[L] T
	6110003860	COIL	LA-588	[H] T
L22	6200005650	S.COIL	ELJRE 8N2Z-F	T
L23	6200008570	S.COIL	LQW2BHN6N8D01L	T
L24	6200007230	S.COIL	LQW2BHN15NJ01L	T
L25	6110003661	COIL	LA-563A	T
L26	6910000670	COIL	BL01RN1A1D2B	T
L27	6110003790	COIL	LA-579	T
R1	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R2	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	T
R4	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	T
R5	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R6	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R7	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R8	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	[H] T
	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	[L] T
R11	7030003530	S.RESISTOR	ERJ3GEYJ 562 V (5.6 kΩ)	T
R12	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)	T
R13	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R15	7030003630	S.RESISTOR	ERJ3GEYJ 393 V (39 kΩ)	T
R16	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	T
R19	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	T
R20	7030000250	S.RESISTOR	MCR10EZHZJ 82 Ω (820)	T
R21	7030000250	S.RESISTOR	MCR10EZHZJ 82 Ω (820)	T
R22	7030000180	S.RESISTOR	MCR10EZHZJ 22 Ω (220)	T
R23	7030000180	S.RESISTOR	MCR10EZHZJ 22 Ω (220)	T
R25	7030003580	S.RESISTOR	ERJ3GEYJ 153 V (15 kΩ)	T
R26	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R28	7030003520	S.RESISTOR	ERJ3GEYJ 472 V (4.7 kΩ)	[H] T
	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)	[L] T
R29	7030000010	S.RESISTOR	MCR10EZHZJ JPW (000)	[L] T
	7030000140	S.RESISTOR	MCR10EZHZJ 10 Ω (100)	[H] T
R31	7030000350	S.RESISTOR	MCR10EZHZJ 560 Ω (561)	[H] T
R32	7030000350	S.RESISTOR	MCR10EZHZJ 560 Ω (561)	[H] T
R38	7030003450	S.RESISTOR	ERJ3GEYJ 122 V (1.2 kΩ)	T
R39	7030003200	S.RESISTOR	ERJ3GEYJ 100 V (10 Ω)	T
R40	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	T
R41	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)	T
R42	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R43	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	T
R44	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	T
R45	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	T
R47	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	T
R56	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	T
R57	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	T

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

[25PA UNIT] IC-FR4100 ONLY

REF NO.	ORDER NO.	DESCRIPTION	M.
R58	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R59	7030003550	S.RESISTOR ERJ3GEYJ 822 V (8.2 kΩ)	T
R60	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R61	7030003360	S.RESISTOR ERJ3GEYJ 221 V (220 Ω)	T
R62	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R63	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	T
R64	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R65	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R66	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R67	7030000010	S.RESISTOR MCR10EZJH JPW (000)	T
R68	7030003860	S.RESISTOR ERJ3GE JPW V	T
R70	7030003860	S.RESISTOR ERJ3GE JPW V	T
R73	7030003290	S.RESISTOR ERJ3GEYJ 560 V (56 Ω)	[L] T
	7030003860	S.RESISTOR ERJ3GE JPW V	[H] T
R74	7030003860	S.RESISTOR ERJ3GE JPW V	T
R75	7030000010	S.RESISTOR MCR10EZJH JPW (000)	T
C1	4030018430	S.CERAMIC ERF22X 6C2H 6R0D D01L	[H] T
	4030018460	S.CERAMIC ERF22X 6C2H 100J D01L	[L] T
C2	4030017970	S.CERAMIC ERF22X 6C2H 120J D01L	T
C3	4030017970	S.CERAMIC ERF22X 6C2H 120J D01L	T
C11	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C12	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C13	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C14	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C15	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C16	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C18	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C19	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C20	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C21	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C22	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C23	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C24	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C25	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C26	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C27	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C28	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C30	4030017200	S.CERAMIC GRM31BR32J102KY01L	T
C31	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C32	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C34	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C37	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C38	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C39	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C40	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C41	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C42	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C44	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C47	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C52	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C53	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C55	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C56	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C57	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C59	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C60	4030007040	S.CERAMIC C1608 CH 1H 180J-T	T
C61	4510007690	ELECTROLYTIC LXZ25VB2200	T
C67	4510007960	ELECTROLYTIC KMY25VB1000	T
C68	4510007670	S.ELECTROLYTIC EEVHB1C100R	T
C69	4510007670	S.ELECTROLYTIC EEVHB1C100R	T
C70	4510007670	S.ELECTROLYTIC EEVHB1C100R	[H] only T
C71	4510007670	S.ELECTROLYTIC EEVHB1C100R	T
C74	4030011340	S.CERAMIC C1608 CH 1H 471J-T	T
C78	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C79	4030009510	S.CERAMIC C1608 CH 1H 010B-T	T
C80	4030017200	S.CERAMIC GRM31BR32J102KY01L	T
C82	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C83	4030007130	S.CERAMIC C1608 CH 1H 101J-T	T
C88	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C89	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C90	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C91	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C92	4510007570	S.ELECTROLYTIC EEVHB1C220UR	T
C95	4510007670	S.ELECTROLYTIC EEVHB1C100R	T
C96	4510007670	S.ELECTROLYTIC EEVHB1C100R	T
C97	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C98	4030018540	S.CERAMIC ERF22X 6C2H 7R0D D01L	T
C99	4030018170	S.CERAMIC ERF22X 6C2H 4R0C D01L	[H] T
	4030018540	S.CERAMIC ERF22X 6C2H 7R0D D01L	[L] T
C101	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C102	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C103	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C104	4030006900	S.CERAMIC C1608 JB 1H 103K-T	T
C105	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C107	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C108	4030017490	S.CERAMIC C1608 JB 1A 105K-T	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[25PA UNIT] IC-FR4100 ONLY

REF NO.	ORDER NO.	DESCRIPTION	M.
C109	4550006470	S.TANTALUM TEESVB2 1D 106M8L	T
C111	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C112	4030007010	S.CERAMIC C1608 CH 1H 100D-T	T
C113	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C114	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C115	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C116	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C117	4030018410	S.CERAMIC ERF22X 6C2H 2R0C D01L	[L] T
	4030018540	S.CERAMIC ERF22X 6C2H 7R0D D01L	[H] T
C118	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C119	4030018370	S.CERAMIC ERF22X 6C1H 102J D01L	T
C120	4030004760	S.CERAMIC C2012 JF 1H 104Z-T	T
C121	4510007660	ELECTROLYTIC LXZ25VB100	T
C122	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C123	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C124	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C125	4550006470	S.TANTALUM TEESVB2 1D 106M8L	[H] T
	4550006900	S.TANTALUM TEESVB2 1V 225MPS8L	[L] T
C126	4550006480	S.TANTALUM TEESVA 1C 475M8L	T
C127	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C129	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C130	4030018410	S.CERAMIC ERF22X 6C2H 2R0C D01L	T
C131	4030018170	S.CERAMIC ERF22X 6C2H 4R0C D01L	[H] only T
C132	4550002810	S.TANTALUM TEESVD2 1E 106M12L	T
C133	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C134	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C135	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C136	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
J1	6510022800	S.CONNECTOR B10B-PH-SM3-TB	T
J2	6510007020	CONNECTOR TMP-J01X-V6	T
T2	5910001000	TRANSFORMER TC-7	T
EP1	6910014490	TERMINAL OP-100 M3	T
EP2	6910014490	TERMINAL OP-100 M3	T
EP3	0910057024	PCB B 6029D	T
EP4	6910015380	BEAD B-20L-34	T
EP5	6910015380	BEAD B-20L-34	T
EP6	6910015380	BEAD B-20L-34	T

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

[50PA UNIT] IC-FR4000 ONLY

REF NO.	ORDER NO.	DESCRIPTION	M.
IC1	1150000180	IC M57729 / SC1027 [M]	T
	1150001670	IC S-AU27AL (ICOM) / SC-1322 [L]	T
	1150001680	IC S-AU27AM (ICOM) / SC-1323 [H]	T
IC2	1110002750	S.IC TA75S01F (TE85R)	T
IC3	1180001250	S.IC TA7808F (TE16L) [H] only	T
IC4	1110002400	S.IC NUM2107F-TE1	T
IC5	1180000420	S.IC TA78L05F (TE12R)	B
IC6	1130004200	S.IC TC4S66F (TE85R)	T
IC7	1110006060	S.IC S-80820CNMC-B8F-T2	T
Q1	1560001160	S.FET 2SK3475 (TE12L)	T
Q2	1530000920	TRANSISTOR 2SC3102	T
Q3	1590000430	S.TRANSISTOR DTC144EUA T106	T
Q5	1510000590	S.TRANSISTOR 2SA1362-Y (TE85L)	T
Q6	1530001940	S.TRANSISTOR 2SC2712-BL (TE85R)	T
Q7	1520000410	TRANSISTOR 2SB1143 T	T
Q8	1590000680	S.TRANSISTOR DTC114EUA T106	T
Q9	1590000680	S.TRANSISTOR DTC114EUA T106	T
D1	1750000200	S.DIODE 1SS319 (TE85R)	T
D2	1720000360	S.DIODE HSU88TRF	B
D4	1720000360	S.DIODE HSU88TRF	B
D5	1730002340	S.ZENER MA8047-M (TX)	B
D6	1730002340	S.ZENER MA8047-M (TX)	B
D7	1730000900	S.ZENER RD12M-T1B1	T
D8	1790000620	S.DIODE MA77 (TX)	T
D9	1790000620	S.DIODE MA77 (TX)	T
D10	1790000620	S.DIODE MA77 (TX)	T
D11	1720000360	S.DIODE HSU88TRF	T
L1	6200005640	S.COIL ELJRE 6N8Z-F	T
L2	6200004480	S.COIL MLF1608D R82K-T	T
L3	6200005780	S.COIL 33CS-Y655LY-03K=P3 [L]	T
	6200005800	S.COIL 33CS-Y655LY-02M=P3 [M], [H]	T
L4	6200005780	S.COIL 33CS-Y655LY-03K=P3	T
L5	6200005790	S.COIL 33CS-Y655LY-01M=P3	T
L6	6110003690	COIL LA-572	T
L7	6110003650	COIL LA-562	T
L8	6110003620	COIL LA-559	T
L9	6110003630	COIL LA-560	T
L10	6110003620	COIL LA-559	T
L13	6200005650	S.COIL ELJRE 8N2Z-F	T
L14	6110003661	COIL LA-563A	T
L15	6110003661	COIL LA-563A	T
L16	6110003640	COIL LA-561	T
L17	6200009790	S.COIL BLM31PG121SN1	T
L18	6200009790	S.COIL BLM31PG121SN1	T
L19	6910000670	COIL BL01RN1A1D2B (BL01RN1-A62)	T
L20	6910000670	COIL BL01RN1A1D2B (BL01RN1-A62)	T
L21	6910000670	COIL BL01RN1A1D2B (BL01RN1-A62)	T
L22	6200009180	S.COIL ELJRE R10J-F3 [L], [M] only	T
R1	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	T
R2	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R3	7030006250	S.RESISTOR ERJ12YJ271U (270 Ω)	T
R4	7030001040	S.RESISTOR MCR50JZHJ 18 Ω (180)	T
R5	7030006250	S.RESISTOR ERJ12YJ271U (270 Ω)	T
R6	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R7	7030000180	S.RESISTOR MCR10EZHZJ 22 Ω (220)	T
R8	7030003310	S.RESISTOR ERJ3GEYJ 820 V (82 Ω)	B
R9	7030003310	S.RESISTOR ERJ3GEYJ 820 V (82 Ω)	B
R12	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω)	T
R13	7030003230	S.RESISTOR ERJ3GEYJ 180 V (18 Ω) [H] only	T
R14	7030003360	S.RESISTOR ERJ3GEYJ 221 V (220 Ω) [L], [M]	T
	7030003370	S.RESISTOR ERJ3GEYJ 271 V (270 Ω) [H]	T
R15	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R16	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R17	7030003460	S.RESISTOR ERJ3GEYJ 152 V (1.5 kΩ)	T
R19	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R20	7030003510	S.RESISTOR ERJ3GEYJ 392 V (3.9 kΩ)	T
R24	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R25	7030003570	S.RESISTOR ERJ3GEYJ 123 V (12 kΩ)	B
R26	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R28	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	B
R29	7030003580	S.RESISTOR ERJ3GEYJ 153 V (15 kΩ)	B
R30	7030003590	S.RESISTOR ERJ3GEYJ 183 V (18 kΩ) [L], [M]	B
	7030003620	S.RESISTOR ERJ3GEYJ 333 V (33 kΩ) [H]	B
R32	7030003710	S.RESISTOR ERJ3GEYJ 184 V (180 kΩ)	T
R33	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R34	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R35	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R39	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	T
R43	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ)	T
R44	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[50PA UNIT] IC-FR4100 ONLY

REF NO.	ORDER NO.	DESCRIPTION	M.
R45	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	B
R46	7030000180	S.RESISTOR MCR10EZHZJ 22 Ω (220)	T
R47	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	B
R48	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R50	7030003200	S.RESISTOR ERJ3GEYJ 100 V (10 Ω)	T
R51	7030003680	S.RESISTOR ERJ3GEYJ 104 V (100 kΩ)	T
R52	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	T
R53	7030003450	S.RESISTOR ERJ3GEYJ 122 V (1.2 kΩ)	T
R54	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R55	7030003560	S.RESISTOR ERJ3GEYJ 103 V (10 kΩ)	T
R56	7030003380	S.RESISTOR ERJ3GEYJ 331 V (330 Ω) [L], [M]	T
	7030003440	S.RESISTOR ERJ3GEYJ 102 V (1 kΩ) [H]	T
R57	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R58	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R59	7030003630	S.RESISTOR ERJ3GEYJ 393 V (39 kΩ)	T
R60	7030003520	S.RESISTOR ERJ3GEYJ 472 V (4.7 kΩ)	T
R61	7510001660	S.THRMISTOR NTCG16 4LH 473KT	T
R62	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R63	7030003480	S.RESISTOR ERJ3GEYJ 222 V (2.2 kΩ)	T
R64	7030003700	S.RESISTOR ERJ3GEYJ 154 V (150 kΩ)	T
R66	7030003600	S.RESISTOR ERJ3GEYJ 223 V (22 kΩ)	T
R67	7030003660	S.RESISTOR ERJ3GEYJ 683 V (68 kΩ)	T
R68	7030003640	S.RESISTOR ERJ3GEYJ 473 V (47 kΩ)	T
R69	7030003320	S.RESISTOR ERJ3GEYJ 101 V (100 Ω)	T
R70	7030003290	S.RESISTOR ERJ3GEYJ 560 V (56 Ω)	T
		[L], [M] only	
C1	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C2	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C3	4030007010	S.CERAMIC C1608 CH 1H 100D-T	Other [L]
	4030007040	S.CERAMIC C1608 CH 1H 180J-T	T
C4	4030007040	S.CERAMIC C1608 CH 1H 180J-T	T
C5	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C6	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C7	4030017200	S.CERAMIC GRM31BR32J102KY01L	T
C8	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C9	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C10	4030017190	S.CERAMIC GRM31AR32J471KW01D	T
C12	4030011050	S.CERAMIC GRM31M3C2H3R0CY21L [M] only	T
C14	4030017890	S.CERAMIC ERF22X 6C2H 101J D01L	T
C17	4030018290	S.CERAMIC ERF22X 6C2H 390J D01L	T
C18	4030018050	S.CERAMIC ERF22X 6C2H 270J D01L	T
C19	4030018050	S.CERAMIC ERF22X 6C2H 270J D01L	T
C20	4030018170	S.CERAMIC ERF22X 6C2H 4R0C D01L	T
C21	4030018430	S.CERAMIC ERF22X 6C2H 6R0D D01L [M], [H]	T
	4030018540	S.CERAMIC ERF22X 6C2H 7R0D D01L [L]	T
C24	4030018030	S.CERAMIC ERF22X 6C2H 3R0C D01L	T
C25	4030018030	S.CERAMIC ERF22X 6C2H 3R0C D01L [M], [H]	T
	4030018430	S.CERAMIC ERF22X 6C2H 6R0D D01L [L]	T
C26	4030018450	S.CERAMIC ERF22X 6C2H 8R0D D01L [M]	T
	4030018460	S.CERAMIC ERF22X 6C2H 100J D01L [L], [H]	T
C27	4030018420	S.CERAMIC ERF22X 6C2H 5R0C D01L [L], [M]	T
C29	4030018420	S.CERAMIC ERF22X 6C2H 5R0C D01L [L], [M]	T
C30	4030018450	S.CERAMIC ERF22X 6C2H 8R0D D01L [M]	T
	4030018460	S.CERAMIC ERF22X 6C2H 100J D01L [L], [H]	T
C31	4030018030	S.CERAMIC ERF22X 6C2H 3R0C D01L [M], [H]	T
	4030018430	S.CERAMIC ERF22X 6C2H 6R0D D01L [L]	T
C32	4030018030	S.CERAMIC ERF22X 6C2H 3R0C D01L	T
C38	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C39	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C40	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C41	4510007670	S.ELECTROLYTIC EEVHB1C100R	T
C42	4510007940	ELECTROLYTIC KMY25VB100 [L], [M] only	T
C43	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C44	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C45	4030006850	S.CERAMIC C1608 JB 1H 471K-T	T
C46	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C47	4510007960	ELECTROLYTIC KMY25VB1000	T
C48	4030017190	S.CERAMIC GRM31AR32J471KW01D	T
C49	4030017200	S.CERAMIC GRM31BR32J102KY01L	T
C55	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C56	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C57	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C58	4030011600	S.CERAMIC C1608 JB 1E 104K-T	T
C59	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C60	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C61	4510007690	ELECTROLYTIC LXZ25VB2200	T
C62	4030007170	S.CERAMIC C1608 CH 1H 221J-T	B
C64	4030007170	S.CERAMIC C1608 CH 1H 221J-T	B
C65	4030009530	S.CERAMIC C1608 CH 1H 030B-T [L], [M] only	B
C66	4030009520	S.CERAMIC C1608 CH 1H 020B-T	T
C68	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C69	4510007570	S.ELECTROLYTIC EEVHB1C220UR	T
C70	4030007170	S.CERAMIC C1608 CH 1H 221J-T	T
C71	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C72	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T
C73	4030006860	S.CERAMIC C1608 JB 1H 102K-T	T

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

[50PA UNIT] IC-FR4000 ONLY

REF NO.	ORDER NO.	DESCRIPTION		M.
C74	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C75	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	B
C76	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	B
C80	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C81	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C83	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	T
C85	4030018290	S.CERAMIC	ERF22X 6C2H 390J D01L	T
C86	4030018450	S.CERAMIC	ERF22X 6C2H 8R0D D01L	T
C87	4030018430	S.CERAMIC	ERF22X 6C2H 8R0D D01L	[H] T
	4030018450	S.CERAMIC	ERF22X 6C2H 8R0D D01L	[M] T
	4030018540	S.CERAMIC	ERF22X 6C2H 7R0D D01L	[L] T
C88	4030009500	S.CERAMIC	C1608 CH 1H 0R5B-T	B
C89	4030009530	S.CERAMIC	C1608 CH 1H 030B-T	B
C90	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	T
C91	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C93	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	T
C94	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C95	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	T
C96	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C97	4510007940	ELECTROLYTIC	KMY25VB100	T
C98	4030011730	S.CERAMIC	GRM31M2C2H101JV01L	T
C99	4510007570	S.ELECTROLYTIC	EEVHB1C220UR	T
C100	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C101	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C102	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C103	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	T
C104	4510007570	S.ELECTROLYTIC	EEVHB1C220UR	T
C105	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	T
C106	4030006850	S.CERAMIC	C1608 JB 1H 471K-T	T
C107	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C108	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C109	4510007670	S.ELECTROLYTIC	EEVHB1C100R	T
C110	4510007670	S.ELECTROLYTIC	EEVHB1C100R	T
C111	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	T
C112	4030017890	S.CERAMIC	ERF22X 6C2H 101J D01L	T
C113	4550006250	S.TANTALUM	TEESVA 1A 106M8L	T
C119	4030018170	S.CERAMIC	ERF22X 6C2H 4R0C D01L	[H] T
	4030018410	S.CERAMIC	ERF22X 6C2H 2R0C D01L	[L], [M] T
C125	4030018470	S.CERAMIC	ERF22X 6C2H 220J D01L	T
C126	4030018470	S.CERAMIC	ERF22X 6C2H 220J D01L	T
C134	4030017490	S.CERAMIC	C1608 JB 1A 105K-T	T
C135	4030010760	S.CERAMIC	C1608 CH 1H 331J-T [L], [M] only	T
J1	6510022800	S.CONNECTOR	B10B-PH-SM3-TB	T
J2	6510007020	CONNECTOR	TMP-J01X-V6	T
J5	6510021390	CONNECTOR	IMSA-9230B-1-03Z024-T	T
T2	5910001000	TRANSFORMER	TC-7	T
W2	7030003860	S.RESISTOR	ERJ3GE JPW V	T
W3	7030003860	S.RESISTOR	ERJ3GE JPW V	B
W4	7030003860	S.RESISTOR	ERJ3GE JPW V	[H] only B
W5	7030003860	S.RESISTOR	ERJ3GE JPW V	T
W6	7030003860	S.RESISTOR	ERJ3GE JPW V	T
W10	7030003860	S.RESISTOR	ERJ3GE JPW V	T
W11	7030003860	S.RESISTOR	ERJ3GE JPW V	[L], [M] only T
W12	7030003860	S.RESISTOR	ERJ3GE JPW V	[L], [M] only T
W13	7030003860	S.RESISTOR	ERJ3GE JPW V	[H] only T
W14	7030003860	S.RESISTOR	ERJ3GE JPW V	[L], [M] only T
EP1	6910014490	TERMINAL	OP-100 M3	T
EP2	6910014490	TERMINAL	OP-100 M3	T
EP3	0910056178	PCB	B 5663H	T

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

[VARISTOR UNIT] IC-FR4000 ONLY

REF NO.	ORDER NO.	DESCRIPTION		M.
D1	1790000720	DIODE	MA29W-B	T
EP1	6910012350	S.BEAD	MMZ1608Y 102BT	B
EP2	0910056182	PCB	B 5662B	

[JACK1 UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
L1	6200009940	S.COIL	BLM21PG221SN1	T
L2	6200009940	S.COIL	BLM21PG221SN1	T
L3	6200009940	S.COIL	BLM21PG221SN1	T
L4	6200009940	S.COIL	BLM21PG221SN1	T
L5	6200009940	S.COIL	BLM21PG221SN1	T
L6	6200009940	S.COIL	BLM21PG221SN1	T
L7	6200009940	S.COIL	BLM21PG221SN1	T
L8	6200009940	S.COIL	BLM21PG221SN1	T
R1	7540000210	S.ABSORBER	KU15N14-4063	T
R2	7540000210	S.ABSORBER	KU15N14-4063	T
R3	7540000210	S.ABSORBER	KU15N14-4063	T
R4	7540000210	S.ABSORBER	KU15N14-4063	T
R5	7540000210	S.ABSORBER	KU15N14-4063	T
R6	7540000210	S.ABSORBER	KU15N14-4063	T
R7	7540000210	S.ABSORBER	KU15N14-4063	T
R8	7540000210	S.ABSORBER	KU15N14-4063	T
R9	7540000210	S.ABSORBER	KU15N14-4063	T
R10	7540000210	S.ABSORBER	KU15N14-4063	T
C1	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C2	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C3	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C4	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C5	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C6	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C7	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C8	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C9	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C10	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C11	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	[FR4100] only T
C12	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	[FR4100] only T
C13	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	[FR4100] only T
C14	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	[FR4100] only T
J1	6450001650	CONNECTOR	HSJ0836-01-500	T
J2	6510016170	CONNECTOR	52018-8835	T
J3	6510022730	S.CONNECTOR	S13B-PH-SM3-TB	T
EP1	0910056113	PCB	B 5655C	[FR4000]
	0910057031	PCB	B 6000A	[FR4100]

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

[JACK2 UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
D1	1750000930	S.DIODE	NNCD8.2C-T1	T
D2	1750000930	S.DIODE	NNCD8.2C-T1	T
D3	1750000930	S.DIODE	NNCD8.2C-T1	T
D4	1750000930	S.DIODE	NNCD8.2C-T1	T
D5	1750000930	S.DIODE	NNCD8.2C-T1	T
D6	1750000930	S.DIODE	NNCD8.2C-T1	T
D11	1750000930	S.DIODE	NNCD8.2C-T1	B
D12	1750000930	S.DIODE	NNCD8.2C-T1	B
D13	1750000930	S.DIODE	NNCD8.2C-T1	B
D14	1750000930	S.DIODE	NNCD8.2C-T1	B
D15	1750000930	S.DIODE	NNCD8.2C-T1	B
D16	1750000930	S.DIODE	NNCD8.2C-T1	B
D17	1750000930	S.DIODE	NNCD8.2C-T1	B
D18	1750000930	S.DIODE	NNCD8.2C-T1	B
D19	1750000930	S.DIODE	NNCD8.2C-T1	B
D20	1750000930	S.DIODE	NNCD8.2C-T1	B
D21	1750000930	S.DIODE	NNCD8.2C-T1	B
D22	1750000930	S.DIODE	NNCD8.2C-T1	B
D23	1750000930	S.DIODE	NNCD8.2C-T1	B
L1	6200009940	S.COIL	BLM21PG221SN1	B
L2	6200009940	S.COIL	BLM21PG221SN1	B
L3	6200009940	S.COIL	BLM21PG221SN1	B
L4	6200009940	S.COIL	BLM21PG221SN1	B
L5	6200009940	S.COIL	BLM21PG221SN1	B
L6	6200009940	S.COIL	BLM21PG221SN1	B
L11	6200009940	S.COIL	BLM21PG221SN1	T
L12	6200009940	S.COIL	BLM21PG221SN1	T
L13	6200009940	S.COIL	BLM21PG221SN1	T
L14	6200009940	S.COIL	BLM21PG221SN1	T
L15	6200009940	S.COIL	BLM21PG221SN1	T
L16	6200009940	S.COIL	BLM21PG221SN1	T
L17	6200009940	S.COIL	BLM21PG221SN1	T
L18	6200009940	S.COIL	BLM21PG221SN1	T
L19	6200009940	S.COIL	BLM21PG221SN1	T
L20	6200009940	S.COIL	BLM21PG221SN1	T
L21	6200009940	S.COIL	BLM21PG221SN1	T
L22	6200009940	S.COIL	BLM21PG221SN1	T
L23	6200009940	S.COIL	BLM21PG221SN1	T
C1	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	T
C2	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	T
C3	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	T
C4	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	T
C5	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	T
C6	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	T
C8	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	T
C11	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C12	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C13	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C14	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C15	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C16	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C17	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C18	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C19	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C20	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C21	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C22	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
C23	4030007170	S.CERAMIC	C1608 CH 1H 221J-T	B
J1	6510023290	CONNECTOR	DBR61-25K1200-B	T
J2	6510022730	S.CONNECTOR	S13B-PH-SM3-TB	T
J3	6510022730	S.CONNECTOR	S13B-PH-SM3-TB	B
EP1	0910056124	PCB	B 5656D	[FR4000]
	0910057041	PCB	B 6001A	[FR4100]

[VR UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
R1	7210003110	VARIABLE	RK0971110 10KA	T
R2	7210003120	VARIABLE	RK0971110 10KB	T
J1	6510018950	S.CONNECTOR	B7B-PH-SM3-TB	T
W1	7030003860	S.RESISTOR	ERJ3GE JPW V	[FR4100] T
W2	7030003860	S.RESISTOR	ERJ3GE JPW V	[FR4100] T
EP1	0910056094	PCB	B 5653D	

[CHASSIS UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
J1	6510022970	CONNECTOR	N-PA-JJ (NI)	
SP1	2510001200	SPEAKER	C057FA510-10	
MF1	2710000750	FAN	FBA08A12LZ	
MF2	2710000740	FAN	FBA06A12L	[FR4000] only
W1	8900011510	CABLE	OPC-1048 (AC INPUT CABLE)	
W2	8900011521	CABLE	OPC-1049A (POWER SW CABLE)	
W3	8900011531	CABLE	OPC-1050A (BACKUP DC CABLE)	
W4	8900011540	CABLE	OPC-1052 (PS OUTPUT CABLE)	
W5	8900011550	CABLE	OPC-1053 (REG-LOGIC CABLE)	
W6	8900011560	CABLE	OPC-1054 (PA-TX CABLE)	
W7	8900011571	CABLE	OPC-1055A (LOGIC-JACK2 CABLEA)	
W8	8900011580	CABLE	OPC-1056 (LOGIC-JACK2 CABLEB)	
W9	8900011590	CABLE	OPC-1057 (LOGIC-JACK1 CABLE)	
W10	8900011600	CABLE	OPC-1058 (REG-PA CABLE RED)	
W11	8900011610	CABLE	OPC-1059 (REG-PA CABLE BLK)	
W12	8900011620	CABLE	OPC-1065 (RX-ANT CABLE)	
W13	8900011632	CABLE	OPC-1066B (TX-ANT CABLE)	
W14	8900012310	CABLE	OPC-1265 (REG-FAN/TUBE)	
W15	8900011660	CABLE	OPC-1178 (PA-FAN CABLE)	[FR4000] only
W16	8900011681	CABLE	OPC-1183A (LOGIC-VR CABLE)	
W17	8900011690	CABLE	OPC-1184 (LOGIC-FRONT CABLE)	
WS1	8600036930		SX2368 P01CH	
WS2	8970024130		FX2367 J LEAD SET (1) /CH	[FR4100] only
EP1	6910014470	UNIT BOARD	FP2152A	[100-120V]
EP1	6910014480	UNIT BOARD	FP2153A	[220-240V]
EP4	6910008330	E.OTHER	G80-18	
EP5	8930030420	COVER	FG60B	
EP6	6910011960	BEAD	ZCAT1518-0730	[FR4100] only

[L]: LOW BAND, [M]: MIDDLE BAND, [H]: HIGH BAND

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

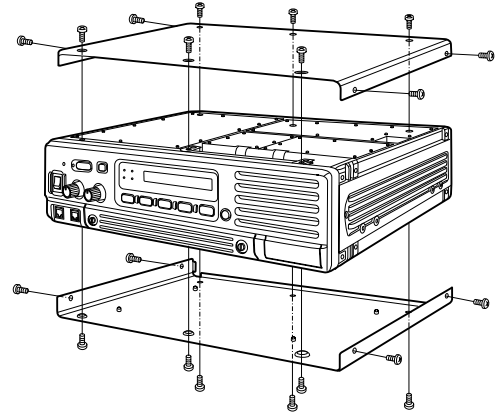
SECTION 6 OPTION UNIT INSTALLATION

6-1 Opening the repeater's case

Follow the case and cover opening procedures shown here when an optional unit is installed or adjust the internal units, etc.

CAUTION: DISCONNECT the AC power cable and/or DC power cable from the repeater. Otherwise, there is danger of electric shock and/or equipment damage.

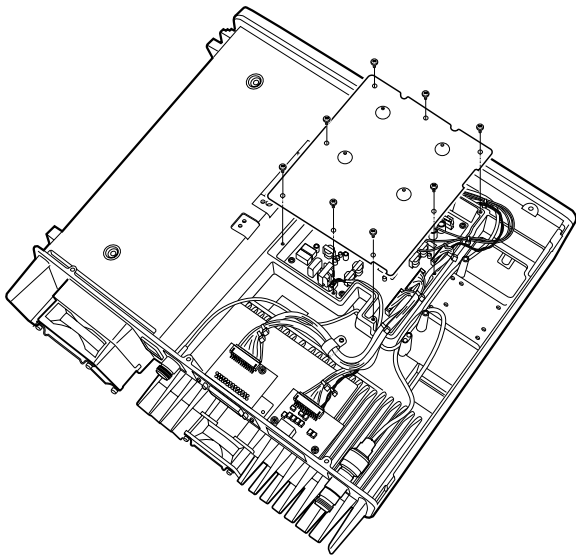
- ① Remove 6 screws from the top of the repeater and 4 screws from the sides, then lift up the top cover.
- ② Turn the repeater upside down.
- ③ Remove 6 screws from the bottom of the repeater, and 4 screws from the sides, then lift up the bottom cover.



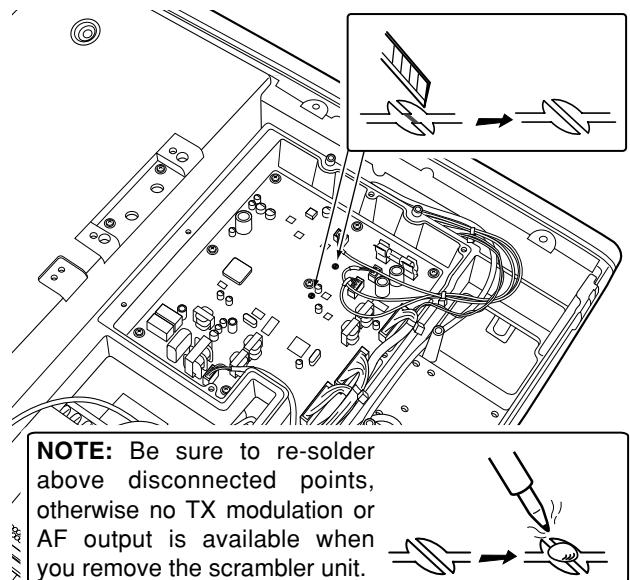
6-2 Voice scrambler unit installation

The UT-109 (#01)/UT-110 (#01) provides high performance private communication for base operating mode. In order to receive or send scrambled transmissions, the UT-109 (#01)/UT-110 (#01) must be installed and to activate the scrambler function.

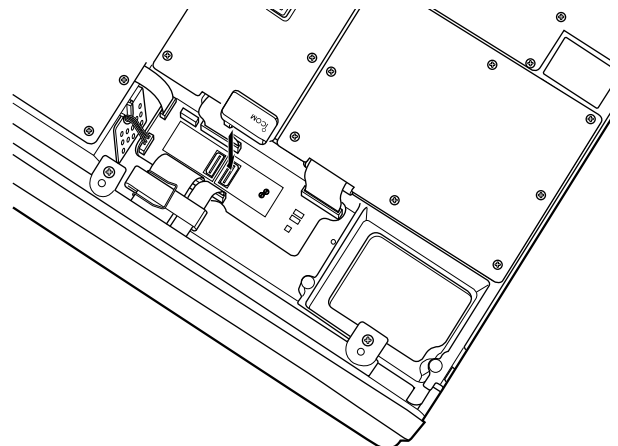
- ① Remove the top and bottom covers as shown above.
- ② Remove 8 screws from the LOGIC shielding plate, then remove the plate.



- ③ Cut the pattern on the PCB at the RX AF circuit (CP1) and TX mic circuit (CP2) on the LOGIC unit as shown at right.



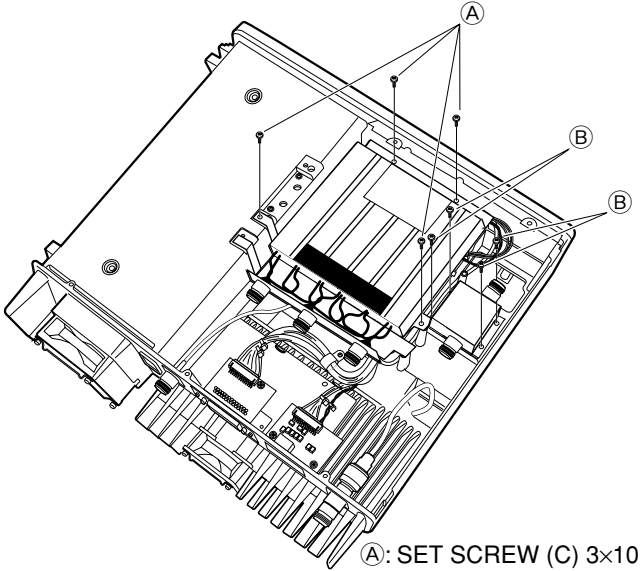
- ④ Turn the repeater upside down, then install the scrambler unit as shown below.



- ⑤ Return the LOGIC shielding plate, top and bottom covers to their original positions.

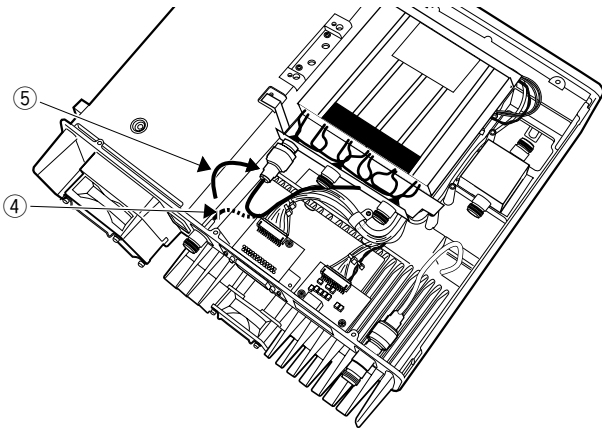
6-3 Duplexer and isolater installation

- ① Remove the top and bottom covers (See page 6-1).
- ② Tighten 4 screws, (A), for installing the duplexer unit.
- ③ Tighten 4 screws, (B), for installing the isolater unit.

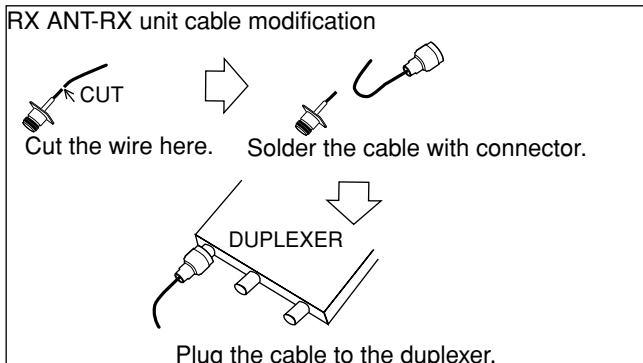


BOTTOM VIEW OF THE REPEATER

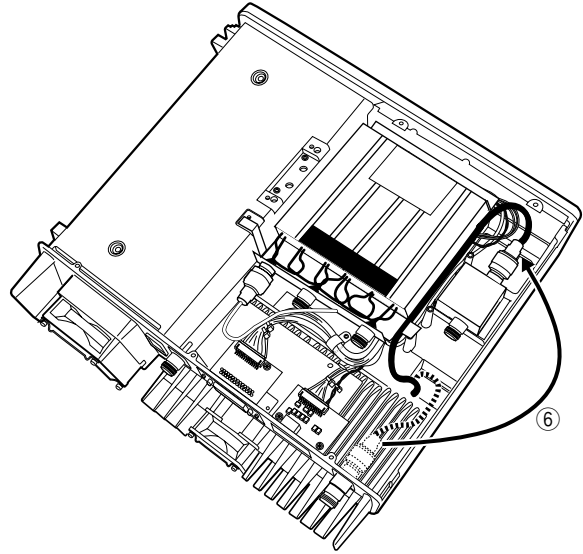
- ④ Cut the RX ANT-RX unit cable and then modify it.
- ⑤ Connect the modified cable to the duplexer unit (RX frequency connector).



BOTTOM VIEW OF THE REPEATER

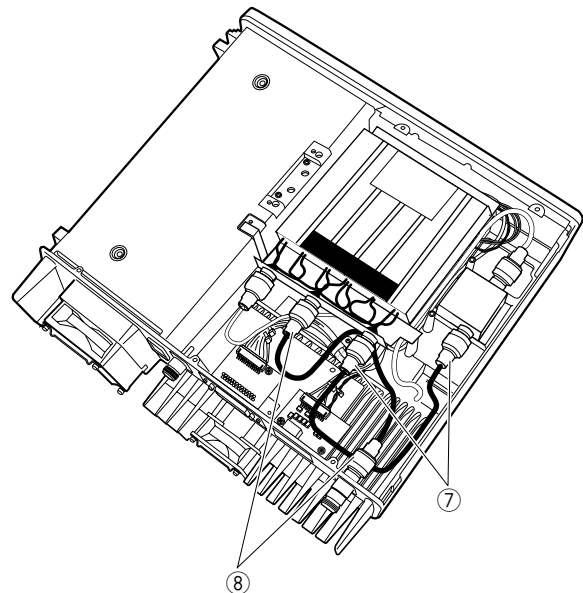


- ⑥ Unplug the TX ANT-PA unit cable from the TX ANT connector (CHASSIS), and then plug to the isolater (input connector).



BOTTOM VIEW OF THE REPEATER

- ⑦ Connect the *cable between the isolater (output connector) and the duplexer (TX frequency connector).
- ⑧ Connect the *cable between the duplexer (ANT connector) and the TX ANT connector (CHASSIS).
- ⑨ Return the top and bottom cover to their original position.

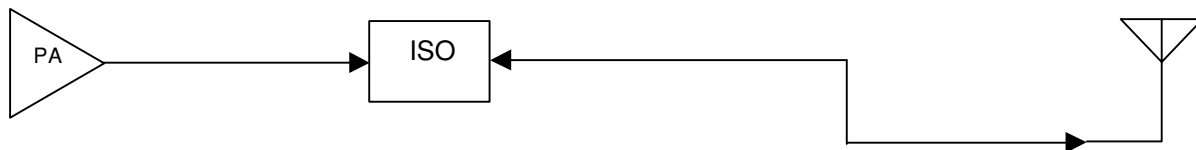


BOTTOM VIEW OF THE REPEATER

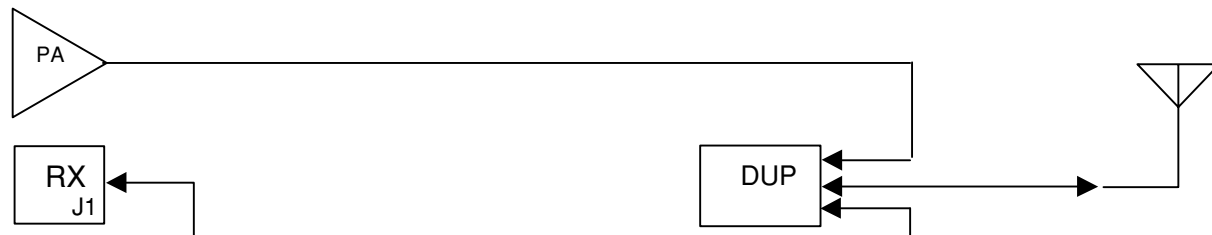
***NOTE:** Connection cable are not supply with the isolater and the duplexer. Therefore, need to make them by yourself.

CONNECTION

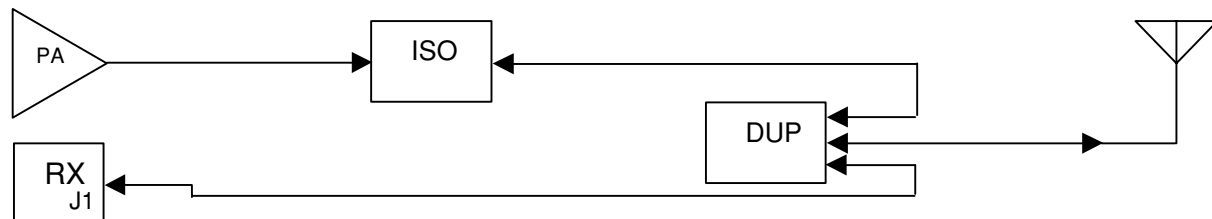
EXAMPLE 1 : ISOLATER CONNECTION



EXAMPLE 2 : DUPLEXER CONNECTION



EXAMPLE 3: DUPLEXER AND ISOLATER CONNECTION



ISO: ISOLATER DUP: DUPLEXER

SECTION 7 MECHANICAL PARTS AND DISASSEMBLY

[CHASSIS PARTS]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
W2	8900011521	OPC-1049A (Power SW cable)	1
W7	8900011571	OPC-1055A (LOGIC-JACK2 cable A)	1
W8	8900011580	OPC-1056 (LOGIC-JACK2 cable B)	1
W9	8900011590	OPC-1057 (LOGIC-JACK1 cable)	1
W16	8900011681	OPC-1183A (LOGIC-VR cable)	1
W17	8900011690	OPC-1184 (LOGIC-FRONT cable)	1
MP1	8210018310	2368 front panel	1
MP2	8310052480	2368 window plate	1
MP3	8930056450	2368 6-key	1
MP4	8930056440	2368 2-key	1
MP5	8210018300	2368 sub panel	1
MP6	8930058000	2368 filter net	1
MP8	8930059660	2368 A-sponge	1
MP9	8930059670	2368 B-sponge	1
MP10	8930059650	2368 front sheet	1
MP11	8860001290	Grip ring NO.3	2
MP12	8820001230	2368 screw	2
MP14	8610009760	Knob N233	1
MP15	8610009760	Knob N233	1
MP16	8010018550	2368 sub chassis	1
MP17	8010018542	2368 chassis-2	1
MP19	8110007480	2368 L-cover	1
MP20	8930057680	Rubber stand (O)	4
MP25	8110007640	2368 LOGIC shield cover	1
MP26	8930056620	2368 D-sub plate	1
MP27	8930059060	2368 Fin cover Y656	1
MP37	8950003170	Nylon clip SL-8N	1
MP56	8810007230	Set screw H M3 × 8	2
MP57	8810007230	Set screw H M3 × 8	1
MP65	8810008450	Bind screw M4 × 8 ZK	10
MP66	8810005710	Screw PH B0 M2 × 6 ZK	4
MP67	8810005710	Screw PH B0 M2 × 6 ZK	2
MP68	8810009650	Screw FH BT M3 × 8 NI-ZU	6
MP69	8810008660	Screw PH BT M3 × 8 NI-ZU	8
MP77	8810008660	Screw PH BT M3 × 8 NI-ZU	8
MP82	8810008660	Screw PH BT M3 × 8 NI-ZU	4
MP84	8810008660	Screw PH BT M3 × 8 NI-ZU	7
MP85	8810008660	Screw PH BT M3 × 8 NI-ZU	9
MP86	8810008660	Screw PH BT M3 × 8 NI-ZU	2
MP87	8810008660	Screw PH BT M3 × 8 NI-ZU	1
MP91	8810008660	Screw PH BT M3 × 8 NI-ZU	2
MP92	8810008660	Screw PH BT M3 × 8 NI-ZU	1
MP101	8930018620	Himelon sheet Y	4
MP102	8930047050	Himelon sheet (BU)	4
MP106	8930007510	Knob spring NO.7800	1
MP107	8930007510	Knob spring NO.7800	1
MP110	8930035380	Aluminum sheet (U) [FR4100] only	1
MP111	8930025070	Sponge (CW) [FR4100] only	2
MP118	8930038640	Himelon sheet (BF) [FR4100] only	1
SP1	2510001200	Speaker C057FA510-10	1

[LOGIC UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
EP4	6910015390	FRC27-12-1.3 [FR4100] only	1
EP5	6910015390	FRC27-12-1.3 [FR4100] only	1
EP6	6910014890	FRC-WC1 [FR4100] only	1
EP7	6910014890	FRC-WC1 [FR4100] only	1
F1	5210000030	Fuse FGB 1A (FGB0 125V)	1
F2	5220000020	Fuse holder S-N5051	1
F3	5220000020	Fuse holder S-N5051	1
W3	8900008940	Cable OPC-886 (P=1 N=10 L=75)	1
W4	8900009230	Cable OPC-908 (P=1 N=10 L=60)	1
W5	8900008740	Cable OPC-867 (P=1 N=24 L=60)	1
W10	8900009270	Cable OPC-912 (P=1 N=22 L=70)	1
W11	8900009270	Cable OPC-912 (P=1 N=22 L=70)	1

[JACK2 UNIT]

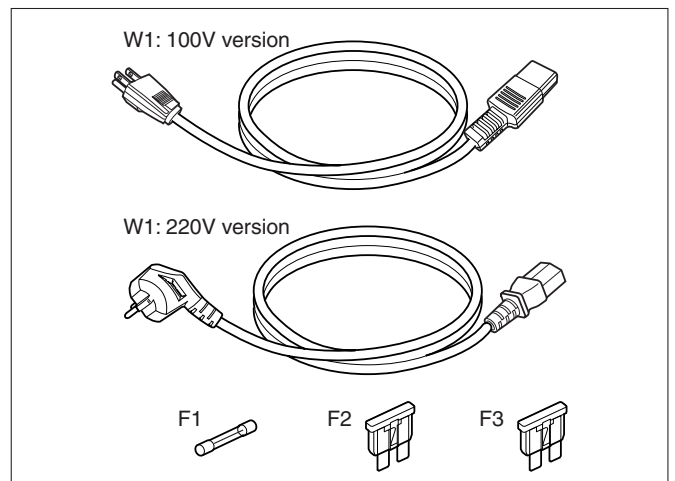
REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510023290	Connector DBR61-25K1200-B	1

Screw abbreviations

B0, BT: Self-tapping PH: Pan head
NI-ZU: Nickel-Zinc ZK: Black

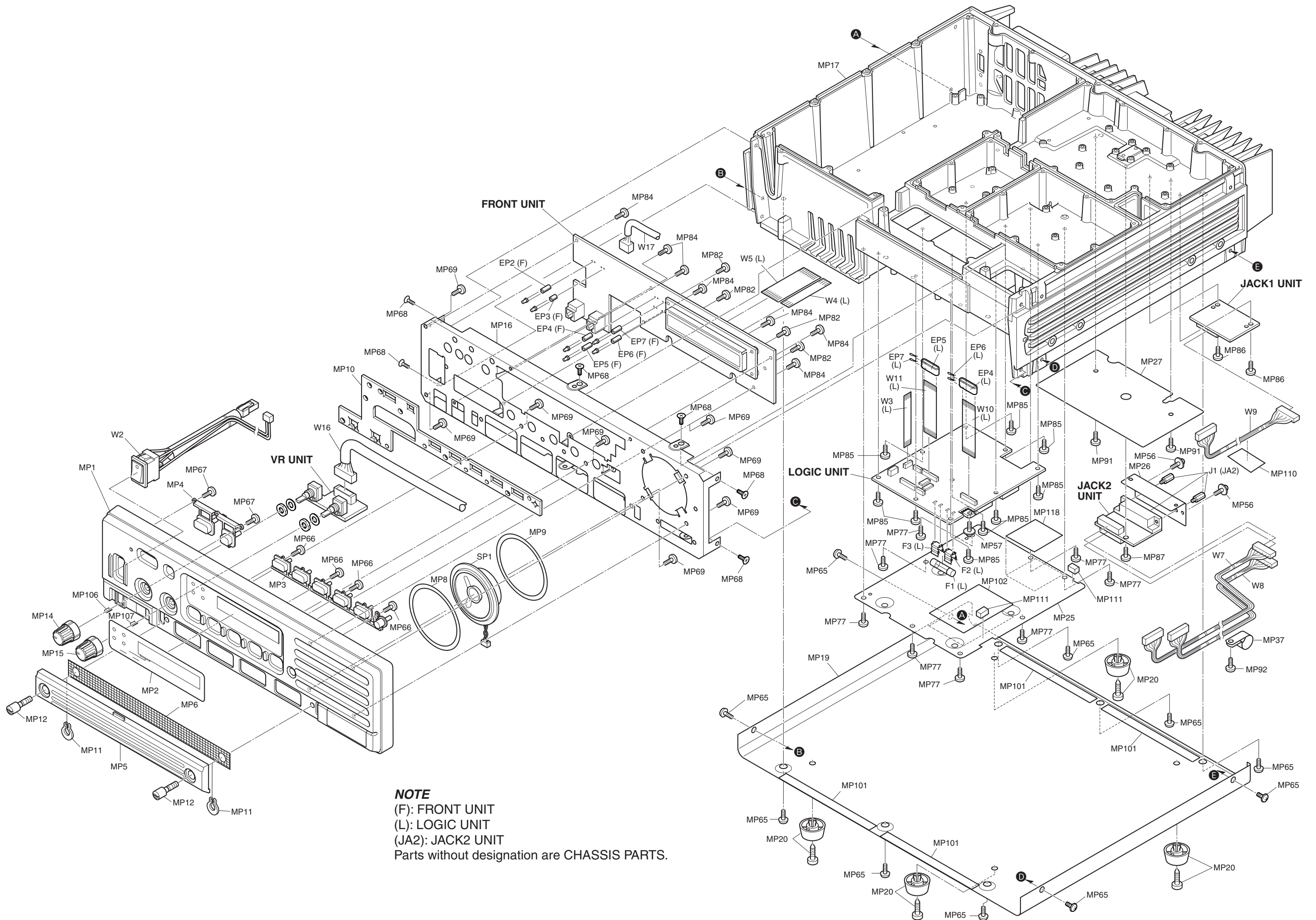
[ACCESSORIES]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5210000030	Fuse FGB 1A (FGB0 125V)	1
F2	5210000850	Fuse ATC-20	1
F3	5210000850	Fuse ATC-20	1
W1	8900005130	Cable OPC-492 (220V version)	1
	8900005250	Cable OPC-510 (100V version)	1

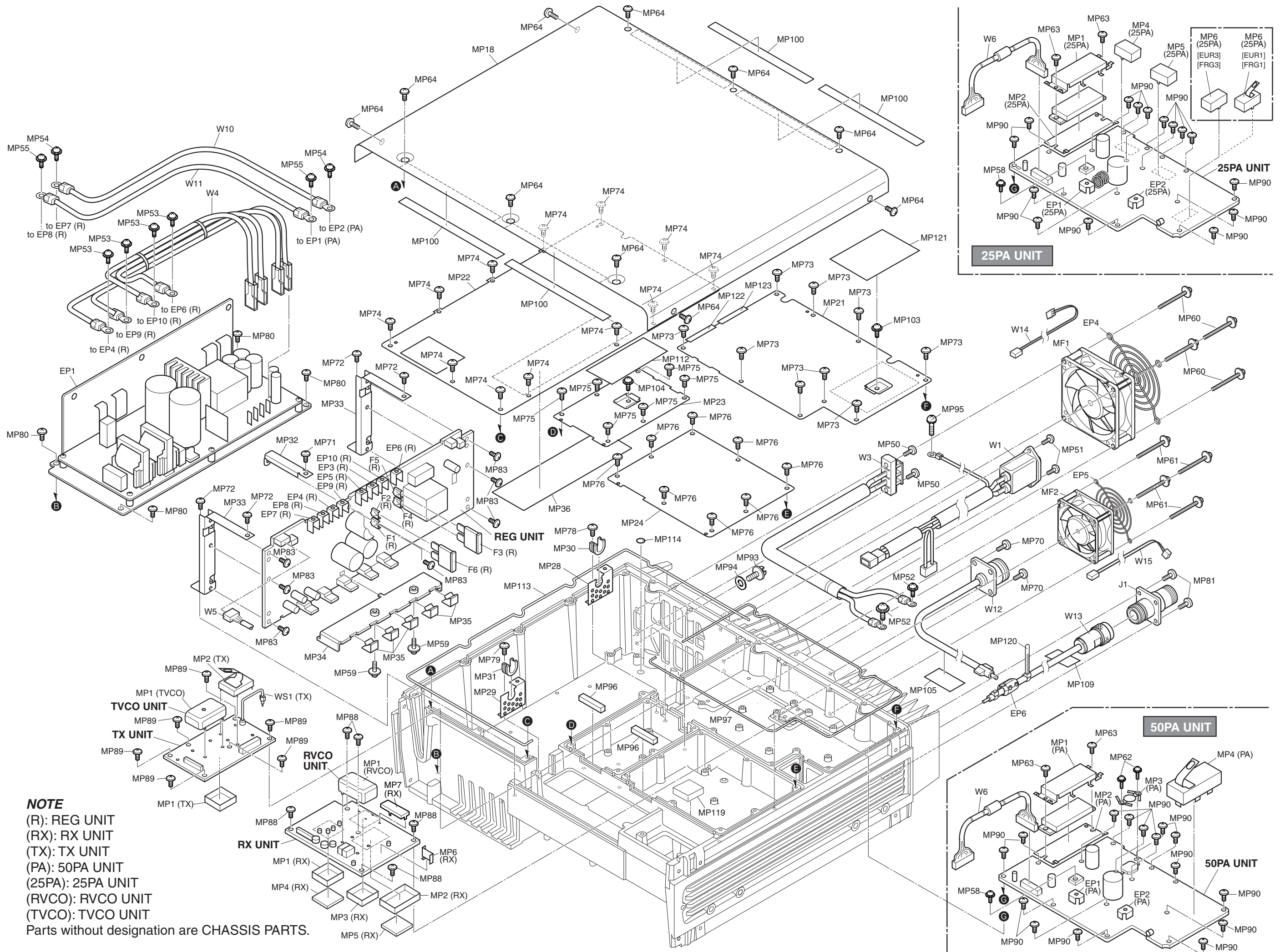


[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
EP2	6910014560	Spacer LM-15	1
EP3	6910014550	Spacer LM-13	1
EP4	6910014540	Spacer LM-10	1
EP5	6910014540	Spacer LM-10	1
EP6	6910014540	Spacer LM-10	1
EP7	6910014540	Spacer LM-10	1



NOTE
 (F): FRONT UNIT
 (L): LOGIC UNIT
 (JA2): JACK2 UNIT
 Parts without designation are CHASSIS PARTS.



[CHASSIS PARTS]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510022970	Connector N-PA-JJ(NI)	1
W1	8900011510	OPC-1048 (AC input cable)	1
W2	8900011521	OPC-1049A (Power SW cable)	1
W3	8900011531	OPC-1050A (Back up DC cable)	1
W4	8900011540	OPC-1052 (PS output cable)	1
W5	8900011550	OPC-1053 (REG-LOGIC cable)	1
W6	8900011560	OPC-1054 (PA-TX cable)	1
W10	8900011600	OPC-1058 (REG-PA cable red)	1
W11	8900011610	OPC-1059 (REG-PA cable black)	1
W12	8900011620	OPC-1065 (RX-ANT cable)	1
W13	8900011632	OPC-1066B (TX-ANT cable)	1
W14	8900012310	OPC-1178 (REG-FAN tube)	1
W15	8900011660	OPC-1178 (PA-FAN cable) [FR4000] only	1
EP1	6910014470	Unit board FP2152A (100V version)	1
	6910014480	Unit board FP2153A (220V version)	1
EP4	6910008330	E.other G80-18 (Fin gured)	1
EP5	8930030420	Cover FG60B	1
EP6	6910011960	Bead ZCAT1518-0730 [FR4100] only	1
MF1	2710000750	Fan FBA08A12LZ (with Lib)	1
MF2	2710000740	Fan FBA06A12L (with Lib) [FR4000] only	1
MP18	8110007490	2368 U-cover	1
MP21	8510013760	2368 PA shield cover	1
MP22	8510013770	2368 REG shield cover	1
MP23	8510013790	2368 TX shield cover	1
MP24	8510013780	2368 RX shield cover	1
MP28	8510013810	2368 KC plate Y599	1
MP29	8510013810	2368 KC plate Y599	1
MP30	8010004340	Edging rubber FX452	1
MP31	8010004340	Edging rubber FX452	1
MP32	8930056650	2368 PCB angle Y600	1
MP33	8930056660	2368 REG PCB angle	2
MP34	8410002510	2368 REG heat sink	1
MP35	8930035230	1546 TR-A clip	5
MP36	8930005460	Isolating sheet G	1
MP50	8810000420	Screw PH M4 × 18	2
MP51	8810009030	Screw FH M3 × 8 ZK	2
MP52	8810007230	Set screw H M3 × 8	2
MP53	8810007230	Set screw H M3 × 8	2
MP54	8810007230	Set screw H M3 × 8	4
MP55	8810007230	Set screw H M3 × 8	2
MP58	8810003380	Set screw C M3 × 10	1
MP59	8810003380	Set screw C M3 × 10	2
MP60	8810010130	Set screw (C) 3 × 35	4
MP61	8810010130	Set screw (C) 3 × 35 [FR4000]	4
	8810003360	Set screw (C) M3 × 6 [FR4100]	4
MP62	8810009040	Set screw (H) M2.6 × 10 NI [FR4000] only	2
MP63	8810004830	Screw PH M3 × 10 surface BS	2
MP64	8810008450	Bind screw M4 × 8 ZK	10
MP70	8810008660	Screw PH BT M3 × 8 NI-ZU	2
MP71	8810008660	Screw PH BT M3 × 8 NI-ZU	1
MP72	8810008660	Screw PH BT M3 × 8 NI-ZU	4
MP73	8810008660	Screw PH BT M3 × 8 NI-ZU	9
MP74	8810008660	Screw PH BT M3 × 8 NI-ZU	12
MP75	8810008660	Screw PH BT M3 × 8 NI-ZU	6
MP76	8810008660	Screw PH BT M3 × 8 NI-ZU	8
MP78	8810008660	Screw PH BT M3 × 8 NI-ZU	1
MP79	8810008660	Screw PH BT M3 × 8 NI-ZU	1
MP80	8810008660	Screw PH BT M3 × 8 NI-ZU	4
MP81	8810008660	Screw PH BT M3 × 8 NI-ZU	2
MP83	8810008660	Screw PH BT M3 × 8 NI-ZU	7
MP88	8810008660	Screw PH BT M3 × 8 NI-ZU	5
MP89	8810008660	Screw PH BT M3 × 8 NI-ZU	6
MP90	8810008660	Screw PH BT M3 × 8 NI-ZU	15
MP93	8820000530	Flange volt M4 × 8 NI	1
MP94	8850000140	Flat washer M4 NI BS	1
MP95	8810003860	Set screw A M4 × 8	1
MP96	8930059330	Shield sponge (W)	2
MP97	8930059340	2368 A-shield line	1
MP100	8930018620	Himelon sheet Y	4
MP103	8810005770	Bind screw M3 × 8 ZK [FR4000] only	1
MP104	8810005770	Bind screw M3 × 8 ZK	1
MP105	8930005150	Aluminum sheet (B)	1
MP109	8930035380	Aluminum sheet (U) [FR4100] only	1
MP112	8930005150	Aluminum sheet (B) [FR4100] only	1
MP113	8930059340	2368 A-shield line [FR4100] only	1
MP114	8310030970	868 Earth seal(0) [FR4100] only	1
MP116	8950000180	Cable tie-80	1
MP119	8930028840	Sponge (DF)	1
MP120	8950000180	Cable tie-80 [FR4100] only	1
MP121	8930005150	Aluminum sheet (B) [FR4100] only	1
MP122	8930013390	Aluminum sheet (M) [EUR1], [FRG1] only	1
MP123	8930013390	Aluminum sheet (M) [EUR1], [FRG1] only	1

[RX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510015120	2368 A-case	1
MP2	8510015130	2368 B-case	1
MP3	8510015140	2368 E-case	1
MP4	8930059680	Sponge (HD)	1
MP5	8930059680	Sponge (HD)	1
MP6	8510015190	2368 MCF plate	1
MP7	8510015580	2368 C-CASE [FR4100] only	1

[TX UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510015120	2368 A-case	1
MP2	8510015200	2368 TX shield case	1
WS1	89700024070	FX2368 1.5D coaxial tube (1)/TX [FR4000]	1
W11	89700012490	OPC-1281 (TX-ANT cable EUR) [FR4100]	1

[RVCO UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510014700	2368 RVCO case	1
MP2	8930007280	Aluminum sheet (H)	1

[TVCO UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
MP1	8510014690	2368 TVCO case	1

[REG UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5220000300	Fuse holder 1A5600	1
F2	5220000300	Fuse holder 1A5600	1
F3	5210000850	Fuse ATC-20	1
F4	5220000300	Fuse holder 1A5600	1
F5	5220000300	Fuse holder 1A5600	1
F6	5210000850	Fuse ATC-20	1
EP3	6910011340	Terminal OT-010 M3	1
EP4	6910011340	Terminal OT-010 M3	1
EP5	6910011340	Terminal OT-010 M3	1
EP6	6910011340	Terminal OT-010 M3	1
EP7	6910011340	Terminal OT-010 M3	1
EP8	6910011340	Terminal OT-010 M3	1
EP9	6910011340	Terminal OT-010 M3	1
EP10	6910011340	Terminal OT-010 M3	1

[50PA UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
EP1	6910014490	Terminal OP-100 M3	1
EP2	6910014490	Terminal OP-100 M3	1
MP1	8930056630	2368 Module holder Y602	1
MP2	8930056640	2368 module plate Y601	1
MP3	8860001130	2177 Rug plate Y430	1
MP4	8510015210	2368 PA shield case	1

[25PA UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
EP1	6910014490	Terminal OP-100 M3	1
EP2	6910014490	Terminal OP-100 M3	1
MP1	8930060410	2367 module holder	1
MP2	8930060420	23687 module plate	1
MP4	8510015631	2368 25-shield case-1	1
MP5	8510015631	2368 25-shield case-1	1
MP6	8510015631	2368 25-shield case-1 [EUR3], [FRG3]	1
	8510016290	2368 25-shield case assembly (A) [EUR1], [FRG1]	1

Screw abbreviations

B0, BT: Self-tapping PH: Pan head
 NI-ZU: Nickel-Zinc ZK: Black

SECTION 8 SEMI-CONDUCTOR INFORMATION

8 - 1 TRANSISTORS AND FETS

<p>2SA1362-Y (Symbol: AEY)</p>	<p>2SA1576A T106R (Symbol: FR)</p>	<p>2SB1143 T (Symbol: B1143)</p>	<p>2SB1182 TL Q (Symbol: B1182, Q)</p>	<p>2SC2712-BL/GR (Symbol: LL/LG)</p>
<p>2SC3102 (Symbol: None)</p>	<p>2SC3356-T1B R25 (Symbol: R25)</p>	<p>2SC3661-TB (Symbol: FY)</p>	<p>2SC4081 T106 R (Symbol: BR)</p>	<p>2SC4226-T1 R25 (Symbol: R25)</p>
<p>2SC4703-T2 SF (Symbol: SF)</p>	<p>2SC5337QS-T1 (Symbol: QS)</p>	<p>2SD1664 T100Q (Symbol: DAQ)</p>	<p>2SD1760 TLQ (Symbol: D1760)</p>	<p>2SJ377 (TE16R) (Symbol: J377)</p>
<p>2SJ533 (Symbol: J533)</p>	<p>2SJ553STR (Symbol: J553)</p>	<p>2SK1771 (TE85R) (Symbol: UB)</p>	<p>2SK3475 (TE12L) (Symbol: WB)</p>	<p>2SK508 K53 T1B (Symbol: K53)</p>
<p>2SK880Y (Symbol: XY)</p>	<p>DTA143ZUA T106 (Symbol: 113)</p>	<p>DTA144EE TL (Symbol: 16)</p>	<p>DTC114EUA T106 (Symbol: 26)</p>	<p>DTC144EE TL (Symbol: 26)</p>
<p>IMZ4 T108 (Symbol: Z4)</p>	<p>XP1111 (TX) (Symbol: 9S)</p>	<p>XP1114(TX) (Symbol: 7Q)</p>	<p>XP1214(TX) (Symbol: 9H)</p>	<p>XP4311 (TX) (Symbol: 3X)</p>

8 - 2 DIODES

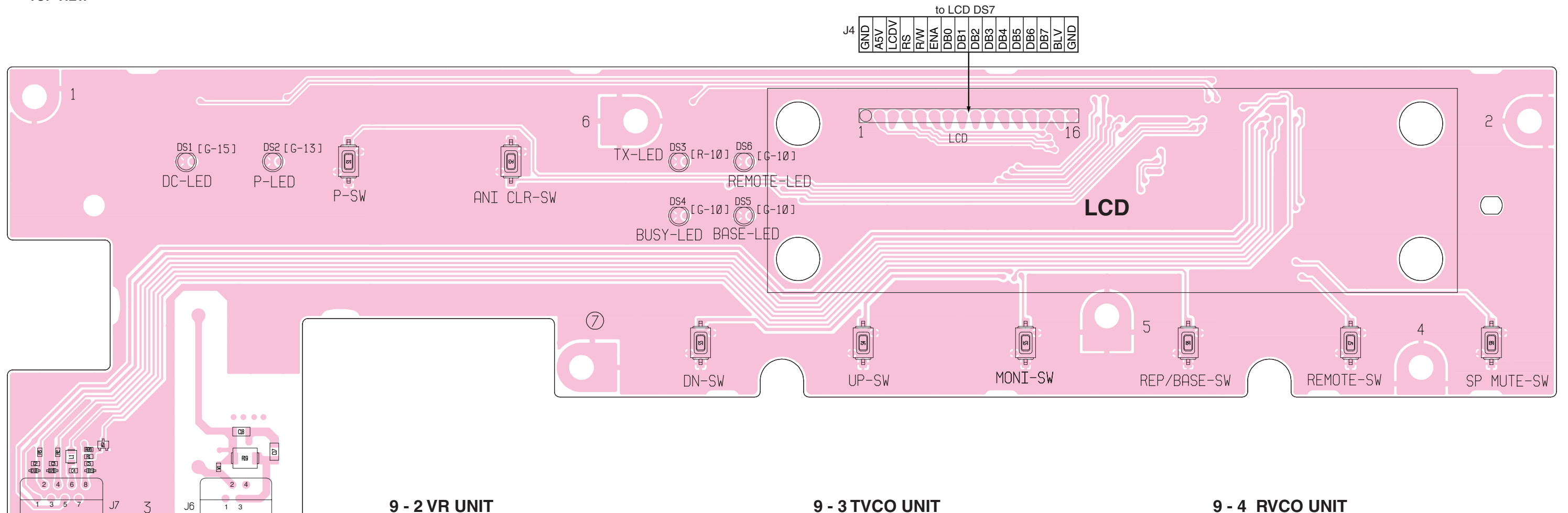
<p>1SR154-400 TE25 (Symbol: 14)</p>	<p>1SS226 (TE85R) (Symbol: C3)</p>	<p>1SS268 (TE85R) (Symbol: BF)</p>	<p>1SS319 (TE85R) (Symbol: A4)</p>	<p>1SS355 TE-17 (Symbol: A)</p>
<p>1SV284 (TPH3) (Symbol: TL)</p>	<p>1SV308 (TPL3) (Symbol: TX)</p>	<p>D1UBA80-4062 (Symbol: UA80)</p>	<p>DSA3A1 (Symbol: None)</p>	<p>FCH30A03L (Symbol: FCH30A03L)</p>
<p>HSU88TRF (Symbol: 9)</p>	<p>MA29W-B (Symbol: Blown line)</p>	<p>MA2S077-(TX) (Symbol: S)</p>	<p>MA2S111-(TX) (Symbol: A)</p>	<p>MA77(TX) (Symbol: 4B)</p>
<p>MA8047-M(TX) (Symbol: 4-7)</p>	<p>NNCD8.2C-T1 (Symbol: None)</p>	<p>PTZ TE25 13B (Symbol: 13B)</p>	<p>RD12M-T1B1 (Symbol: 121)</p>	<p>SB07-03C-TB (Symbol: J)</p>

SECTION 9 BOARD LAYOUTS

The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.

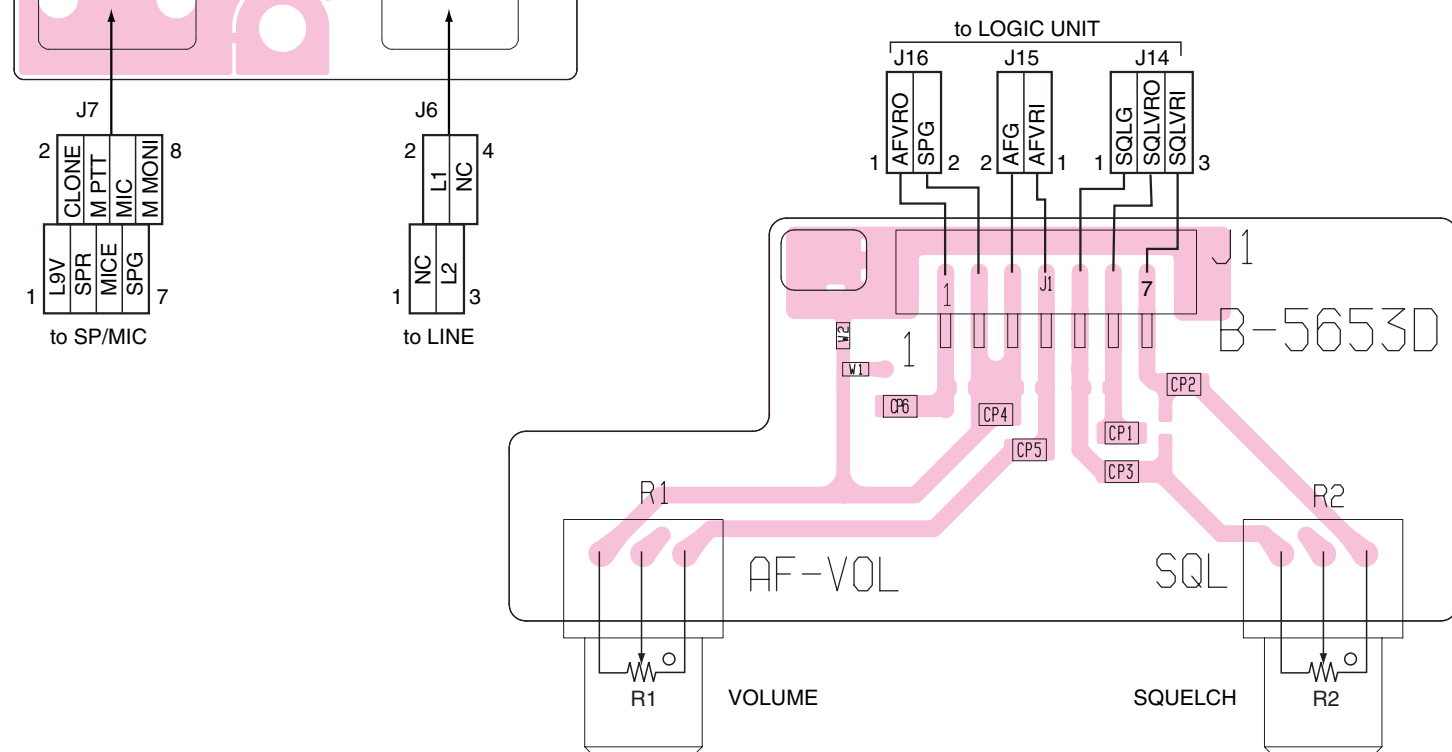
9 - 1 FRONT UNIT

• TOP VIEW



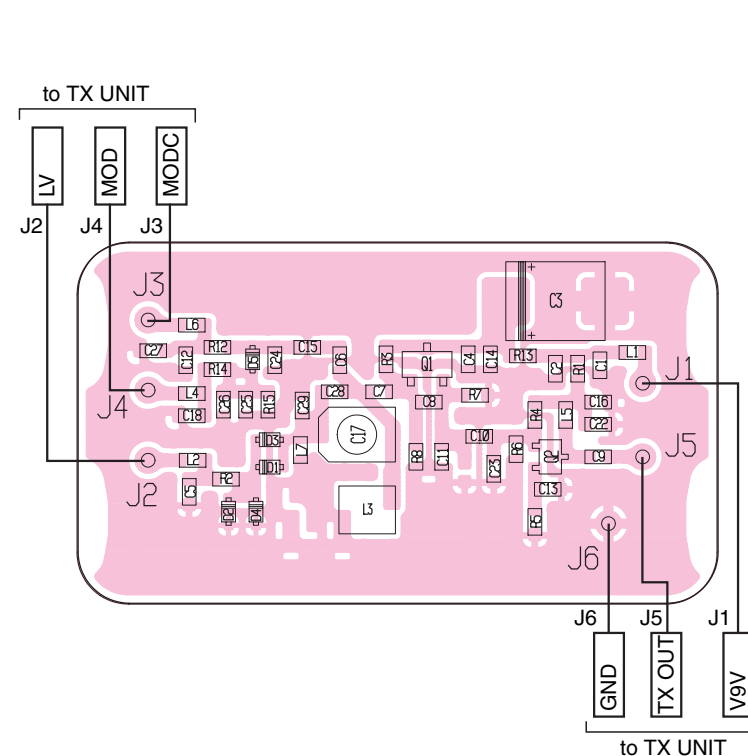
9 - 2 VR UNIT

• TOP VIEW



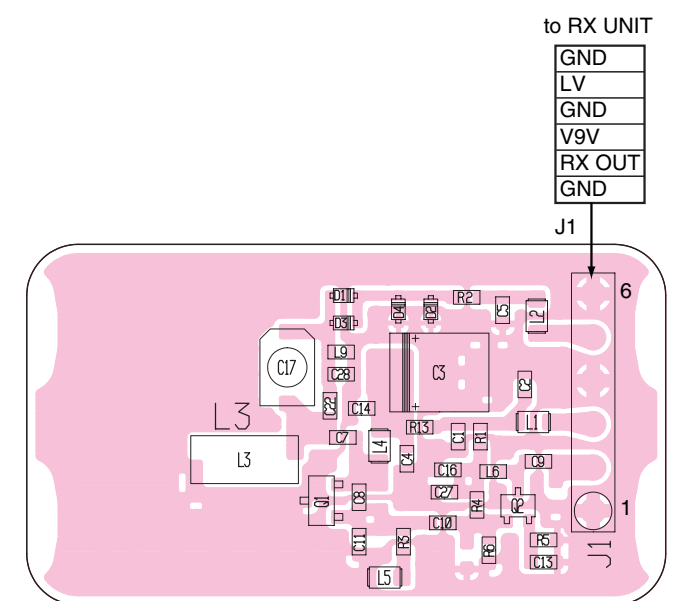
9 - 3 TVCO UNIT

• TOP VIEW



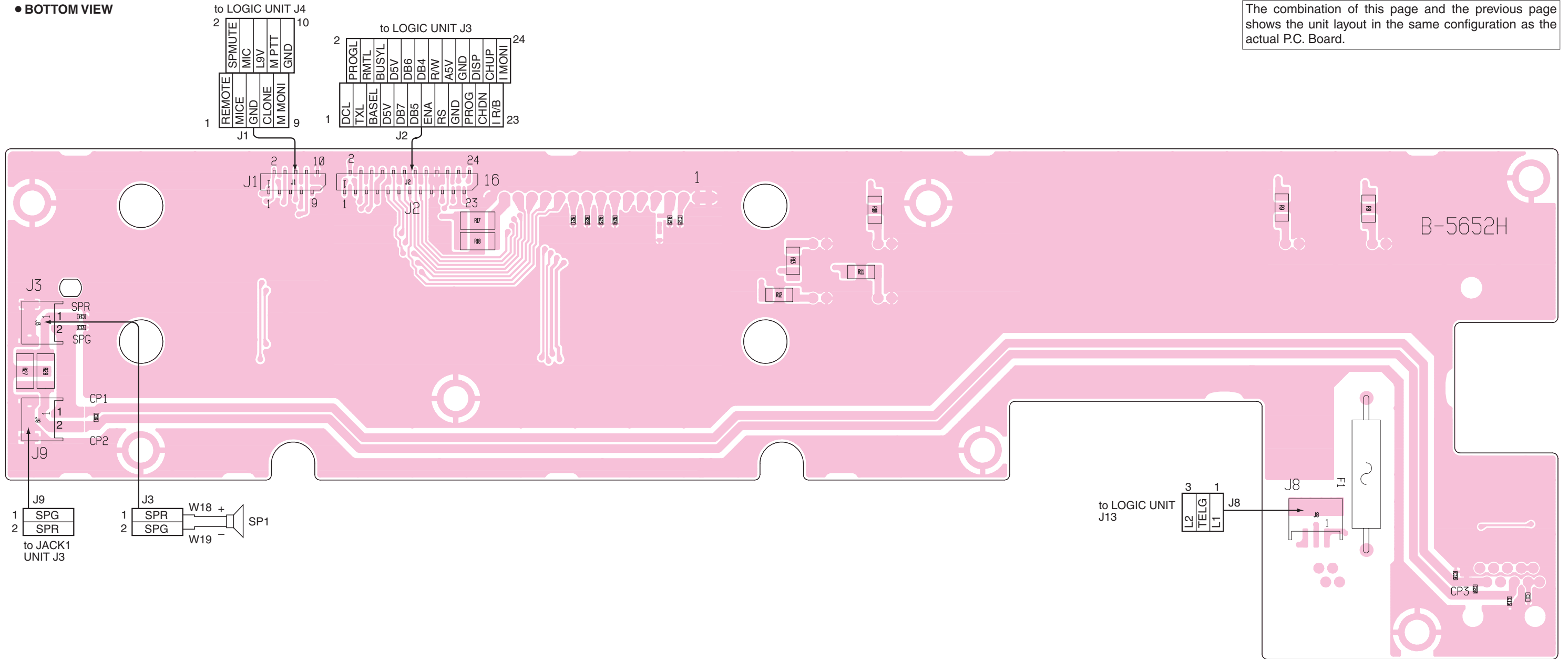
9 - 4 RVCO UNIT

• TOP VIEW

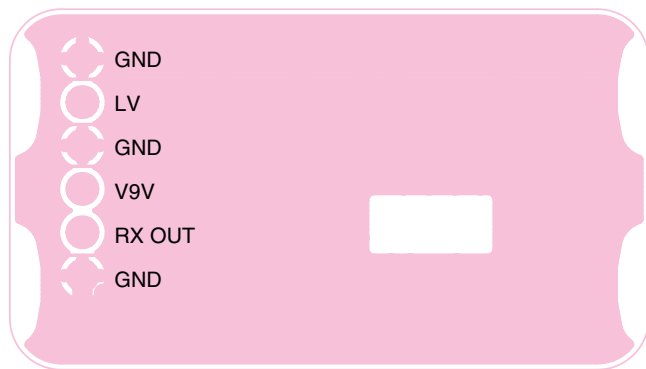


FRONT UNIT
● BOTTOM VIEW

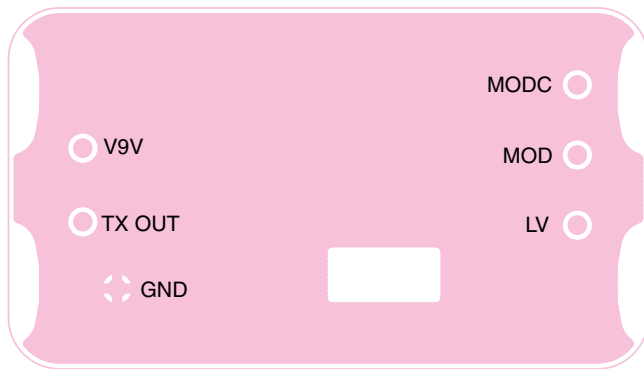
The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.



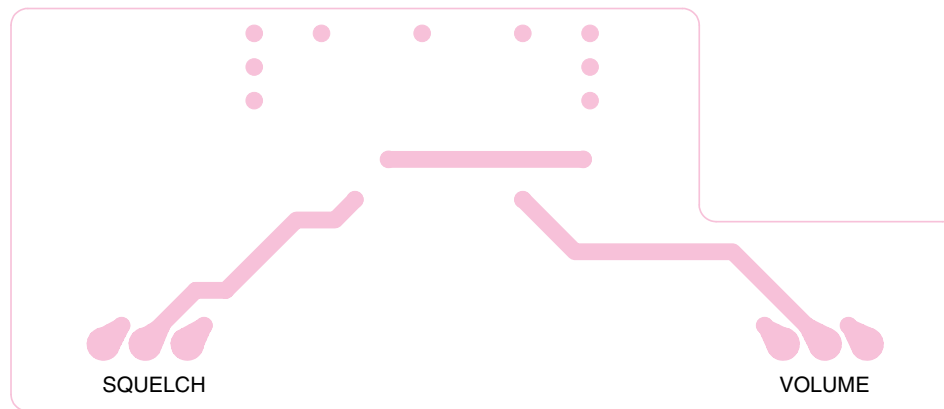
RVCO UNIT
● BOTTOM VIEW



TVCO UNIT
● BOTTOM VIEW



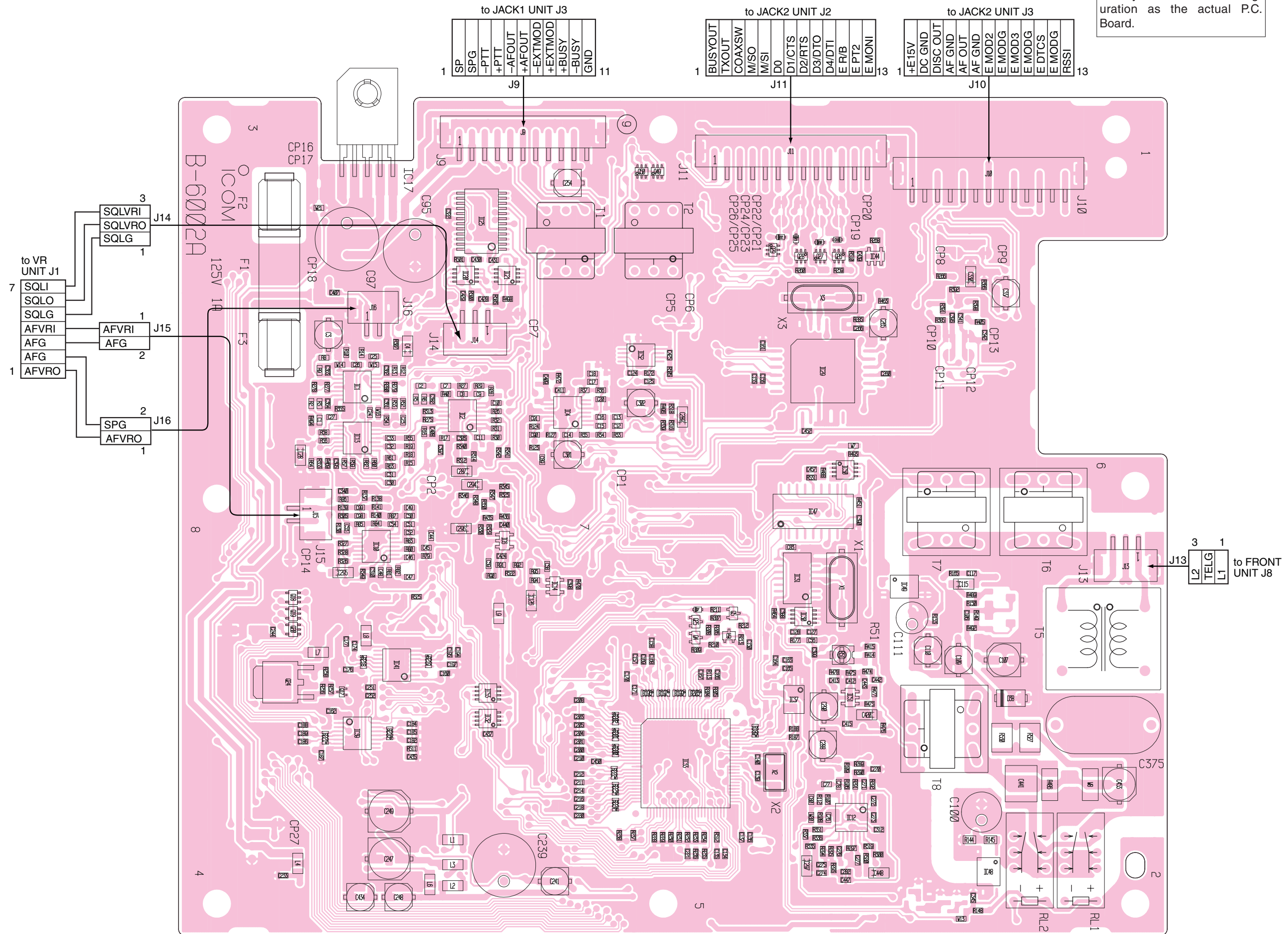
VR UNIT
● BOTTOM VIEW



9 - 5 LOGIC UNIT

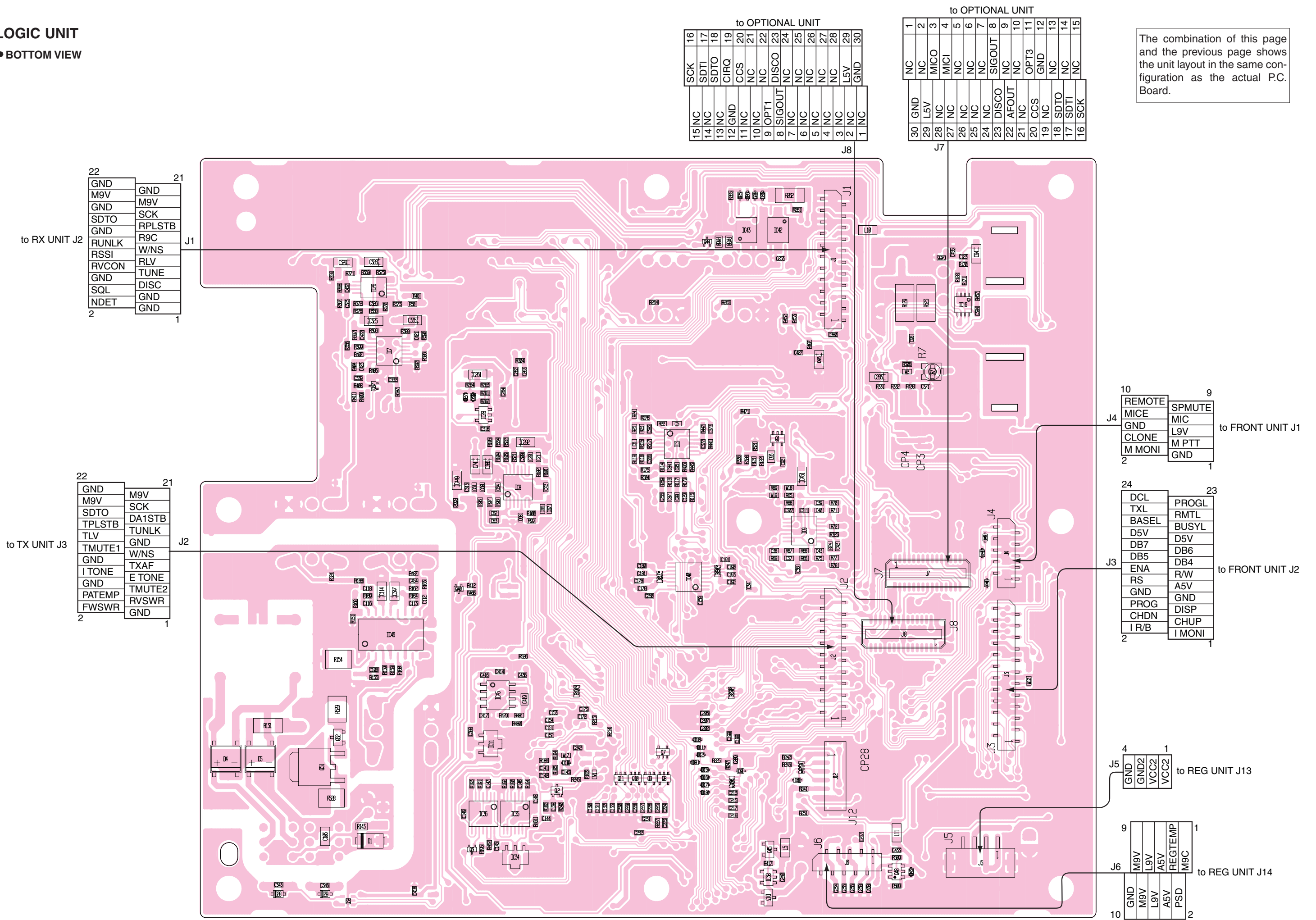
• TOP VIEW

The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.



LOGIC UNIT

● BOTTOM VIEW



to OPTIONAL UNIT

15	NC	16	SCK
14	NC	17	SDTI
13	NC	18	SDTO
12	GND	19	CIRQ
11	NC	20	CCS
10	NC	21	NC
9	OPT1	22	NC
8	SIGOUT	23	DISCO
7	NC	24	NC
6	NC	25	NC
5	NC	26	NC
4	NC	27	NC
3	NC	28	NC
2	NC	29	L5V
1	NC	30	GND

to OPTIONAL UNIT

1	NC
2	NC
3	MICO
4	MICI
5	NC
6	NC
7	NC
8	SIGOUT
9	NC
10	AFOUT
11	NC
12	OPT3
13	GND
14	NC
15	NC
16	SDTI
17	SCK
18	SDTO
19	NC
20	CCS
21	NC
22	AFOUT
23	DISCO
24	NC
25	NC
26	NC
27	NC
28	NC
29	L5V
30	GND

The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.

to RX UNIT J2

22	GND	21	GND
	M9V		M9V
	GND		SCK
	SDTO		RPLSTB
	GND		R9C
	RUNLK		W/NS
	RSSI		RLV
	RVCON		TUNE
	GND		DISC
	SQL		GND
	NDET		GND
2	GND	1	GND

to TX UNIT J3

22	GND	21	M9V
	M9V		SCK
	SDTO		DA1STB
	TPLSTB		TUNLK
	TLV		GND
	TMUTE1		W/NS
	GND		TXAF
	I TONE		E TONE
	GND		TMUTE2
	PATEMP		RVSWR
	FWSWR		GND
2	GND	1	GND

to FRONT UNIT J1

10	REMOTE	9	SPMUTE
	MICE		MIC
	GND		L9V
	CLONE		M PTT
	M MONI		GND
2	GND	1	GND

to FRONT UNIT J2

24	DCL	23	PROGL
	TXL		RMTL
	BASEL		BUSYL
	D5V		D5V
	DB7		DB6
	DB5		DB4
	ENA		R/W
	RS		A5V
	GND		GND
	PROG		DISP
	CHDN		CHUP
	I R/B		I MONI
2	GND	1	GND

to REG UNIT J13

4	GND	1	VCC2
	GND2		VCC2

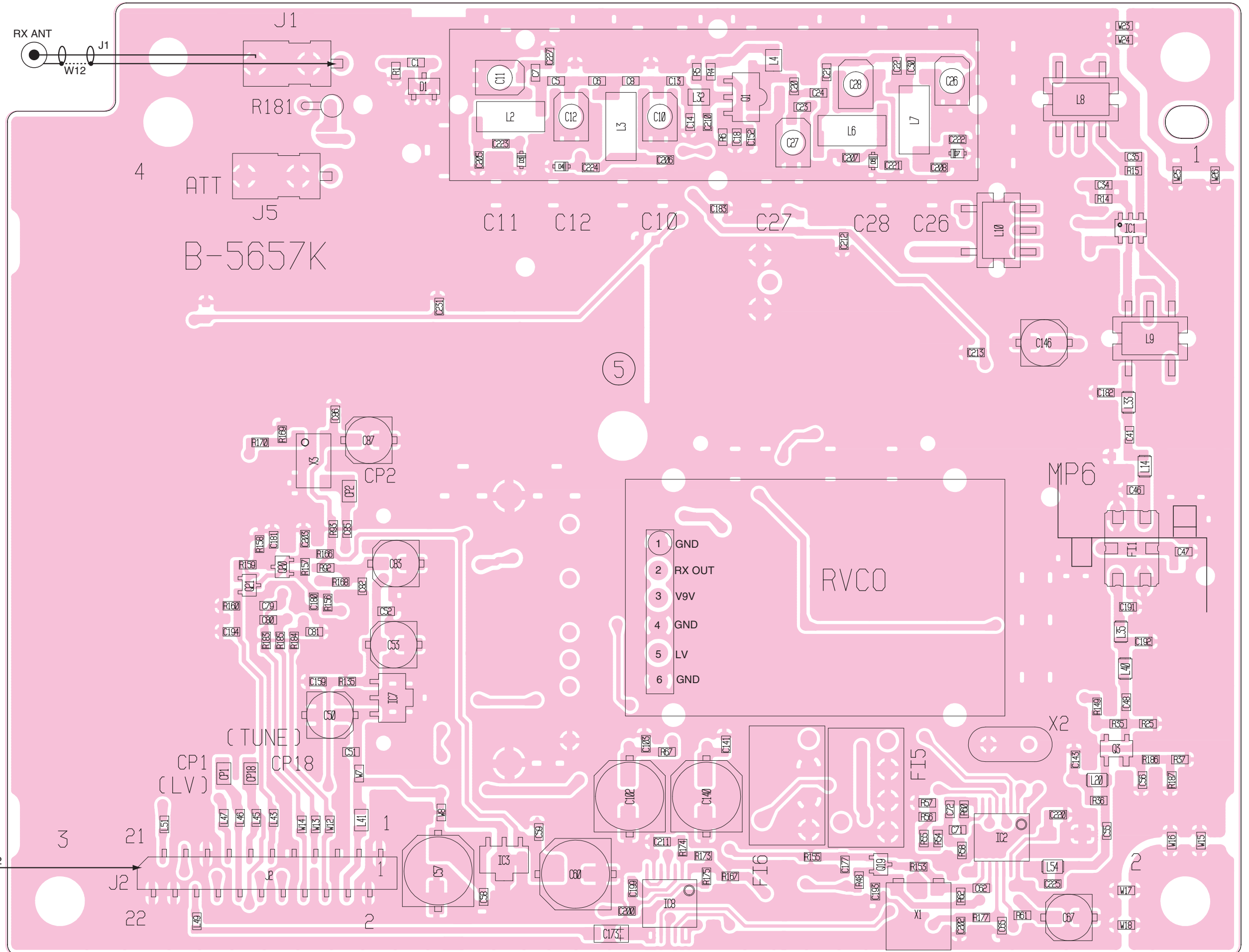
to REG UNIT J14

9	M9V	1	REGTEMP
	L9V		M9C
6	GND	2	PSD
	M9V		
	L9V		
	A5V		
10	GND		

9 - 6 RX UNIT

• TOP VIEW

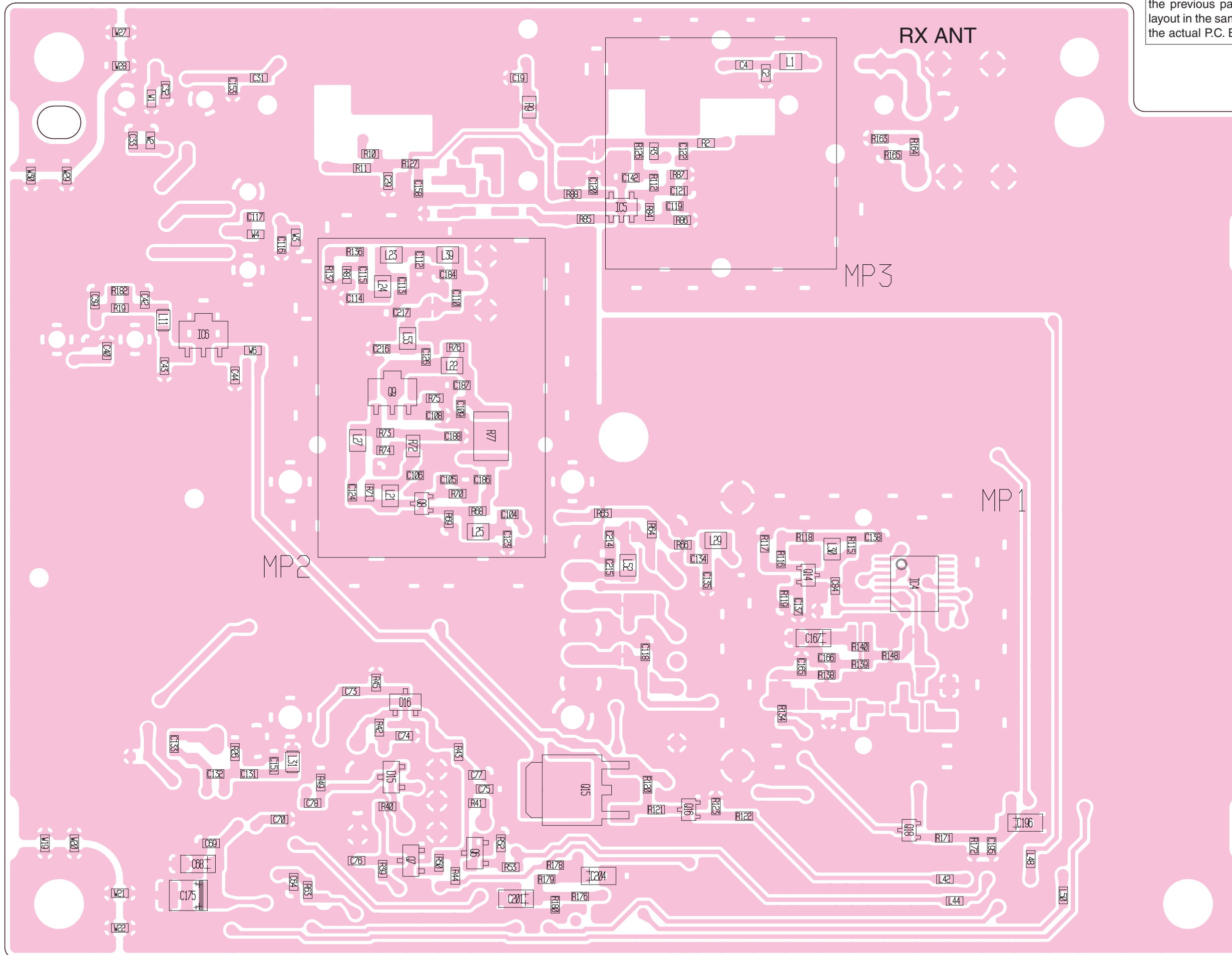
The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.



to LOGIC UNIT J1

21	GND	NDDET	1
	GND	SQL	
	DISC	GND	
	TUNE	FVCON	
	RLV	IRSSI	
	WNS	FUNLK	
	R9C	GND	
	RPLSTB	SDTO	
	SCK	GND	
	M9V	M9V	
22	GND	GND	2

The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.

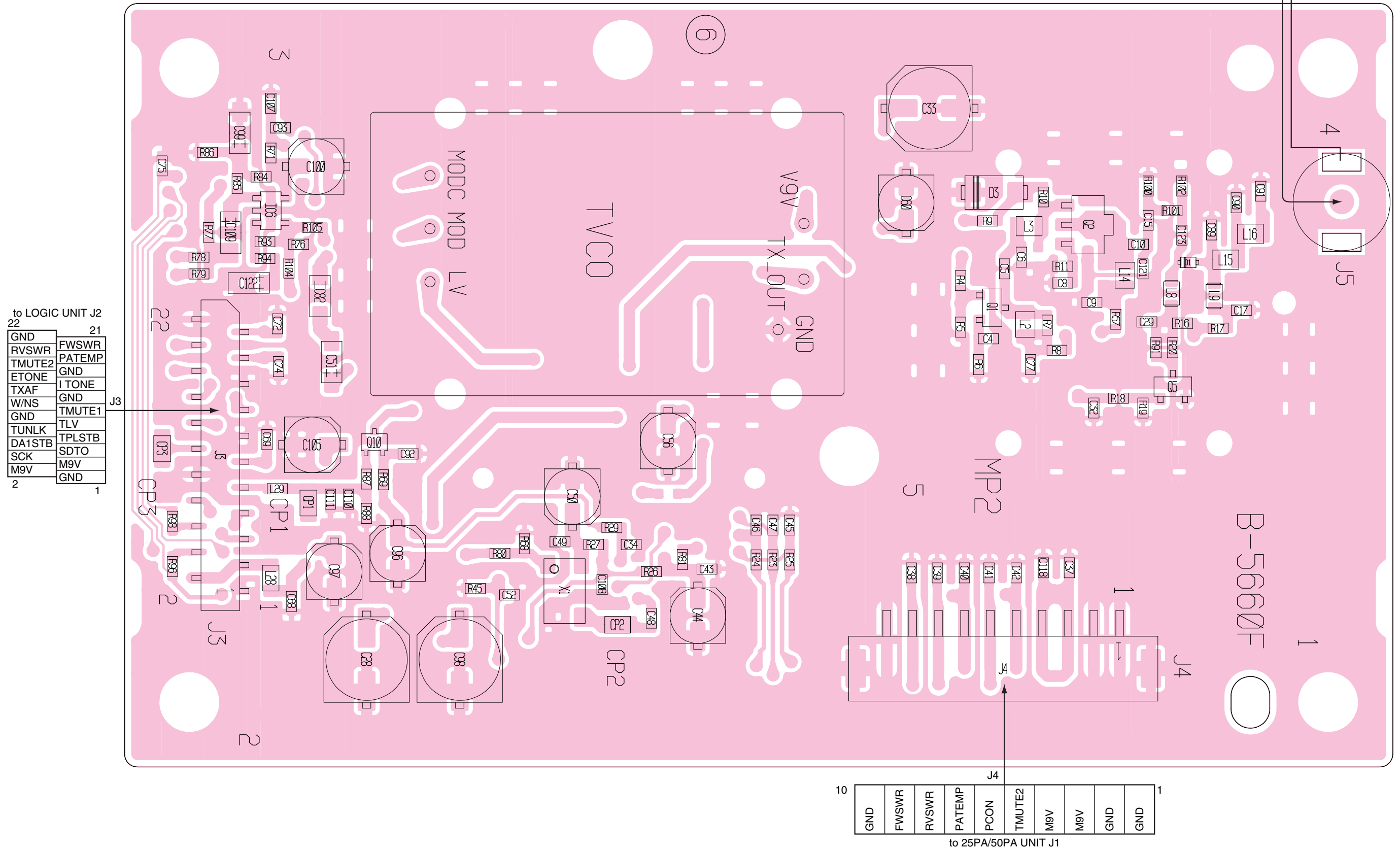


9 - 7 TX UNIT

• TOP VIEW

The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.

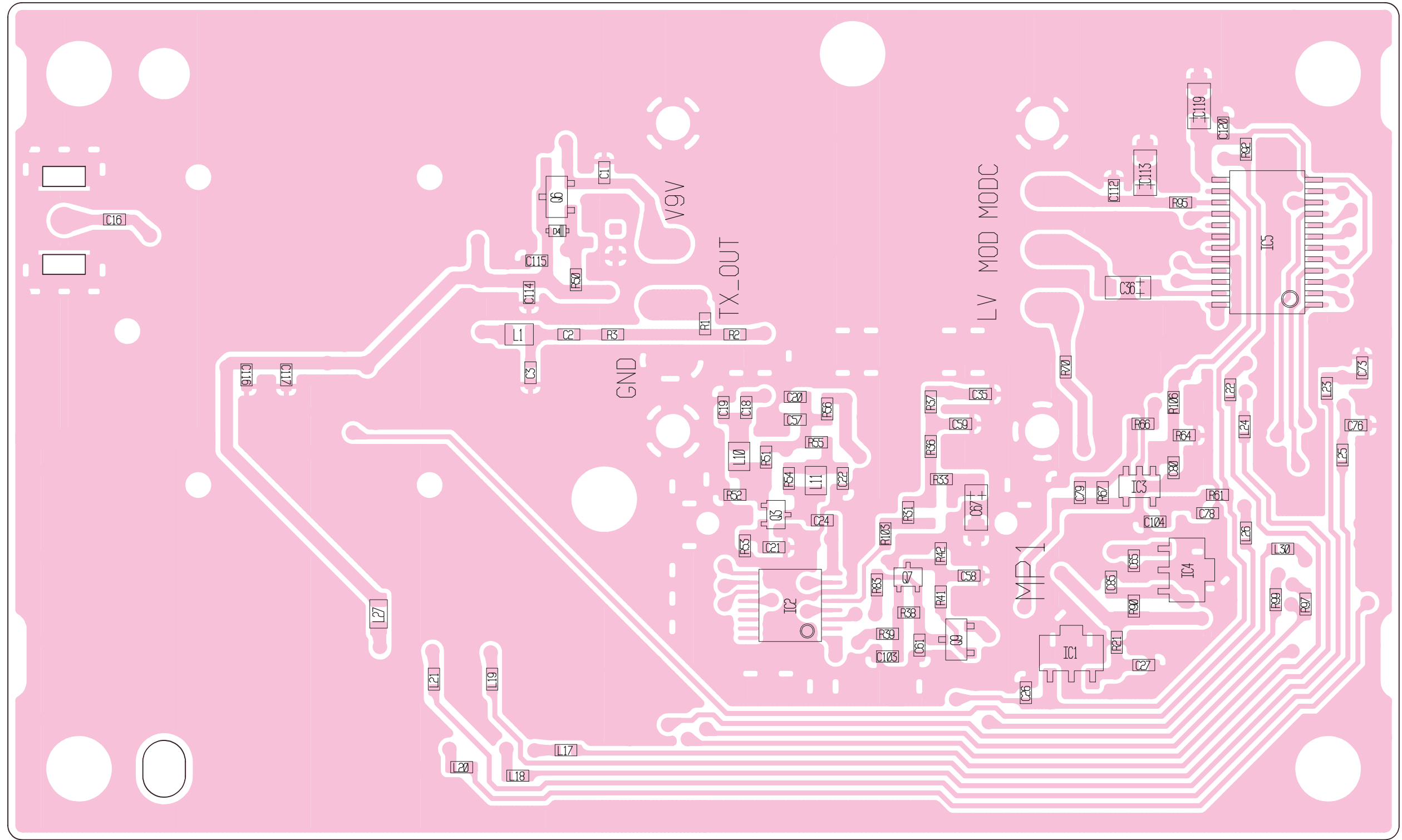
to 25PA/50PA UNIT
J2



TX UNIT

• **BOTTOM VIEW**

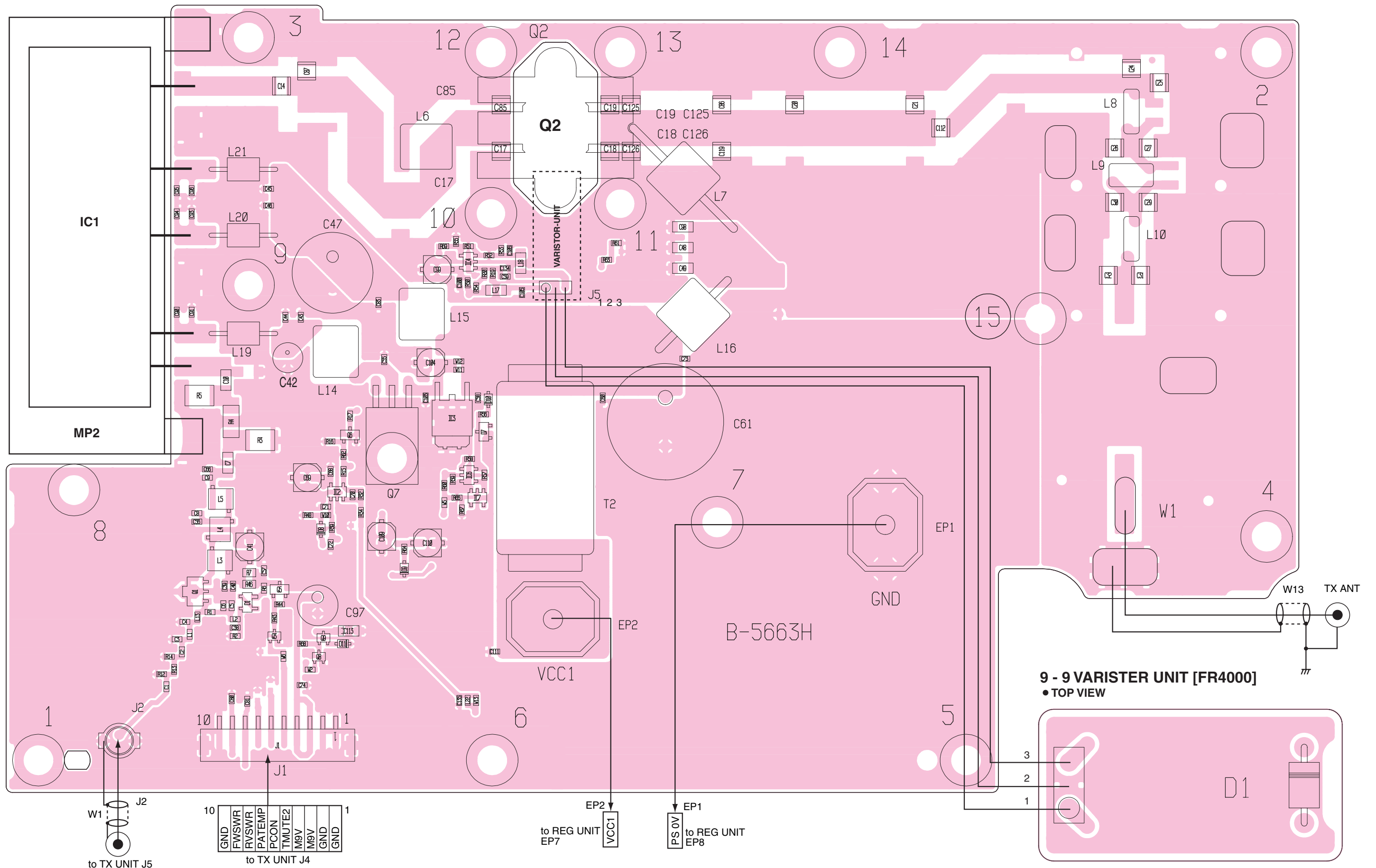
The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.



9 - 8 50PA UNIT [FR4000]

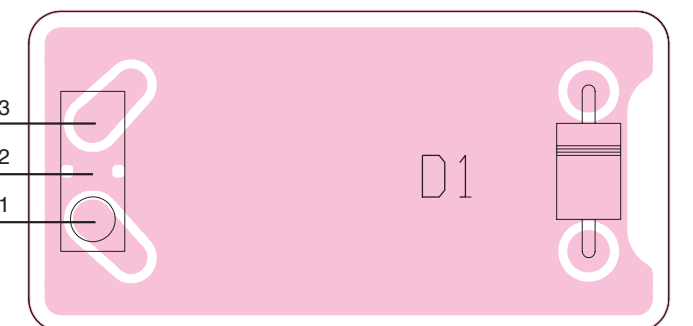
• TOP VIEW

The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.



9 - 9 VARISTOR UNIT [FR4000]

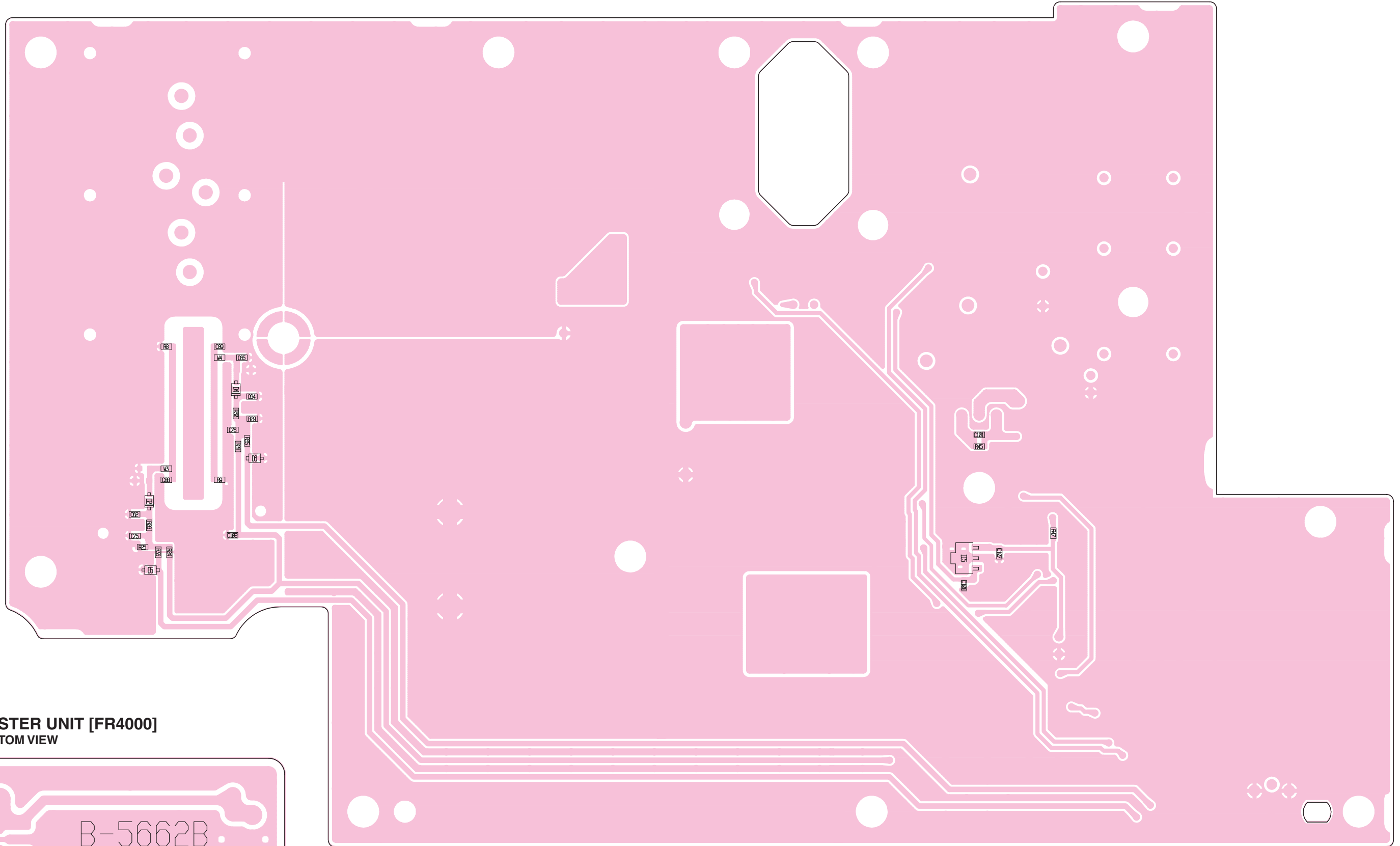
• TOP VIEW



50PA UNIT [FR4000]

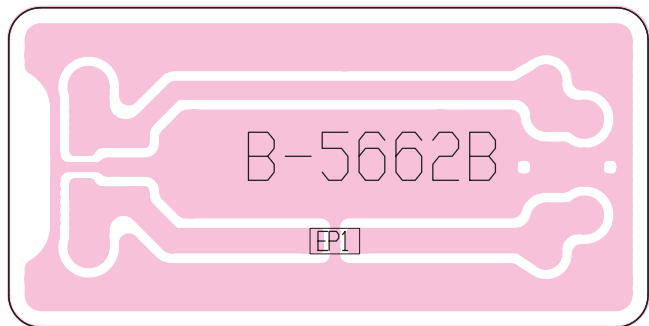
● BOTTOM VIEW

The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.



VARISTER UNIT [FR4000]

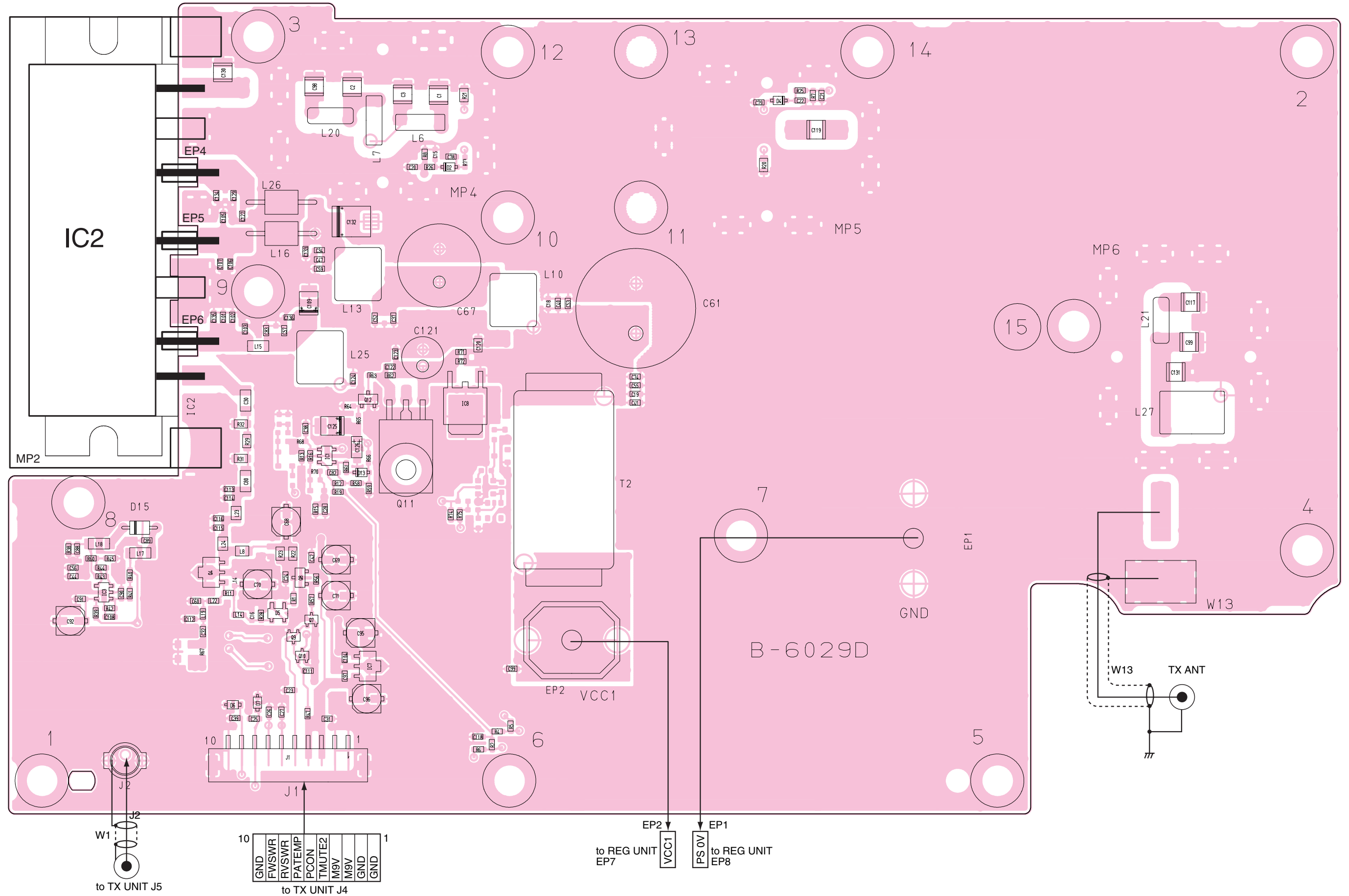
● BOTTOM VIEW



9 - 10 25PA UNIT [FR4100]

● TOP VIEW

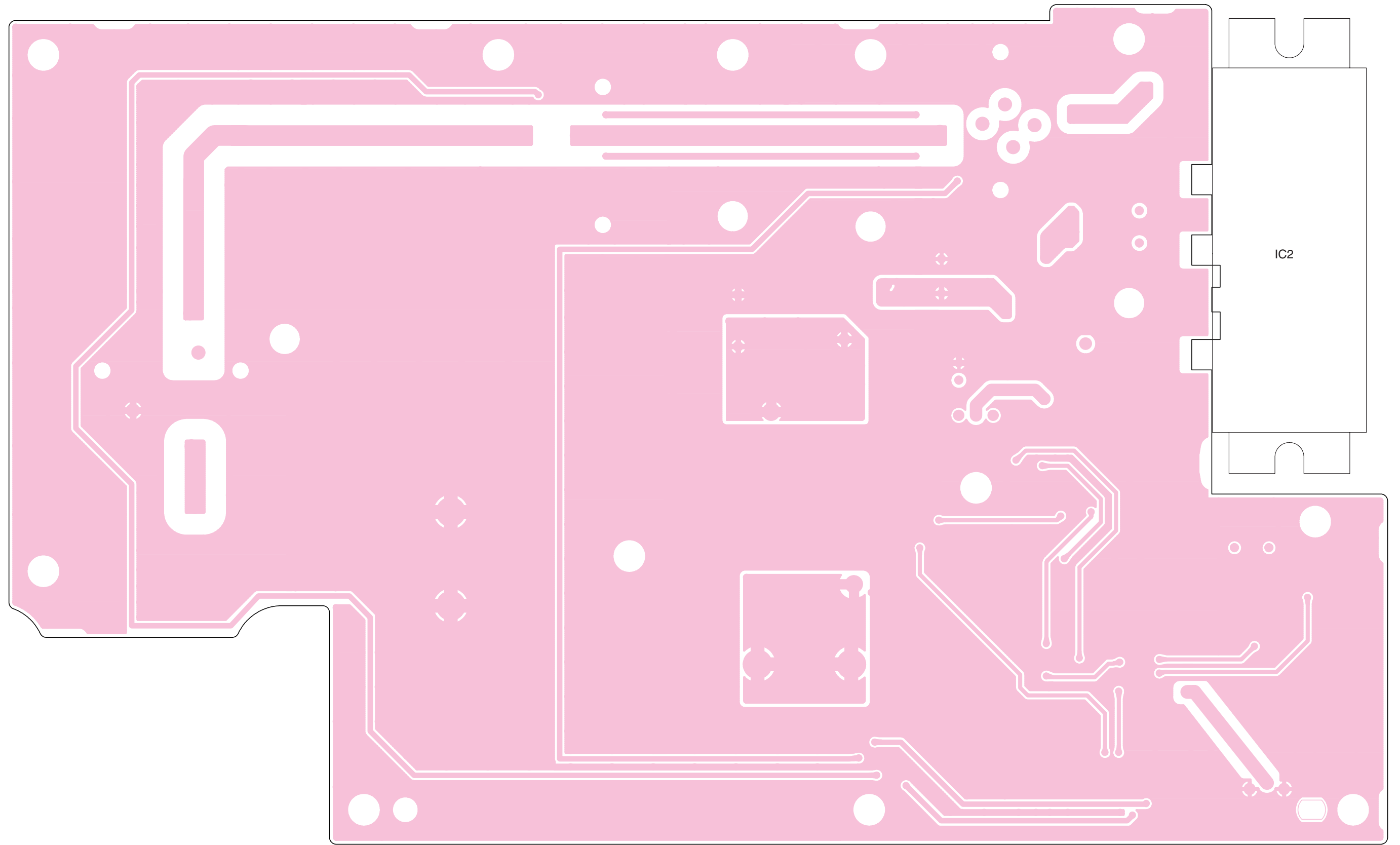
The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.



25PA UNIT [FR4100]

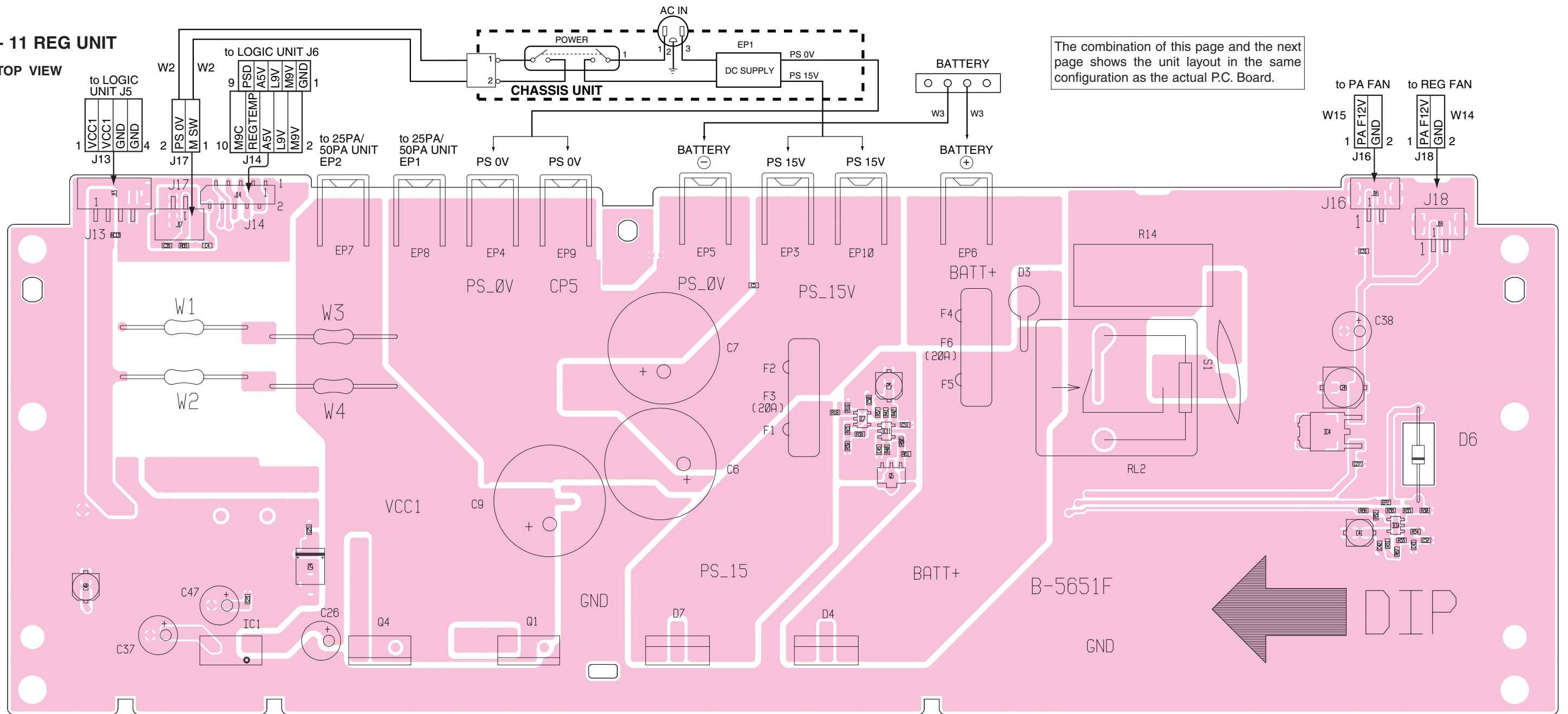
● BOTTOM VIEW

The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.



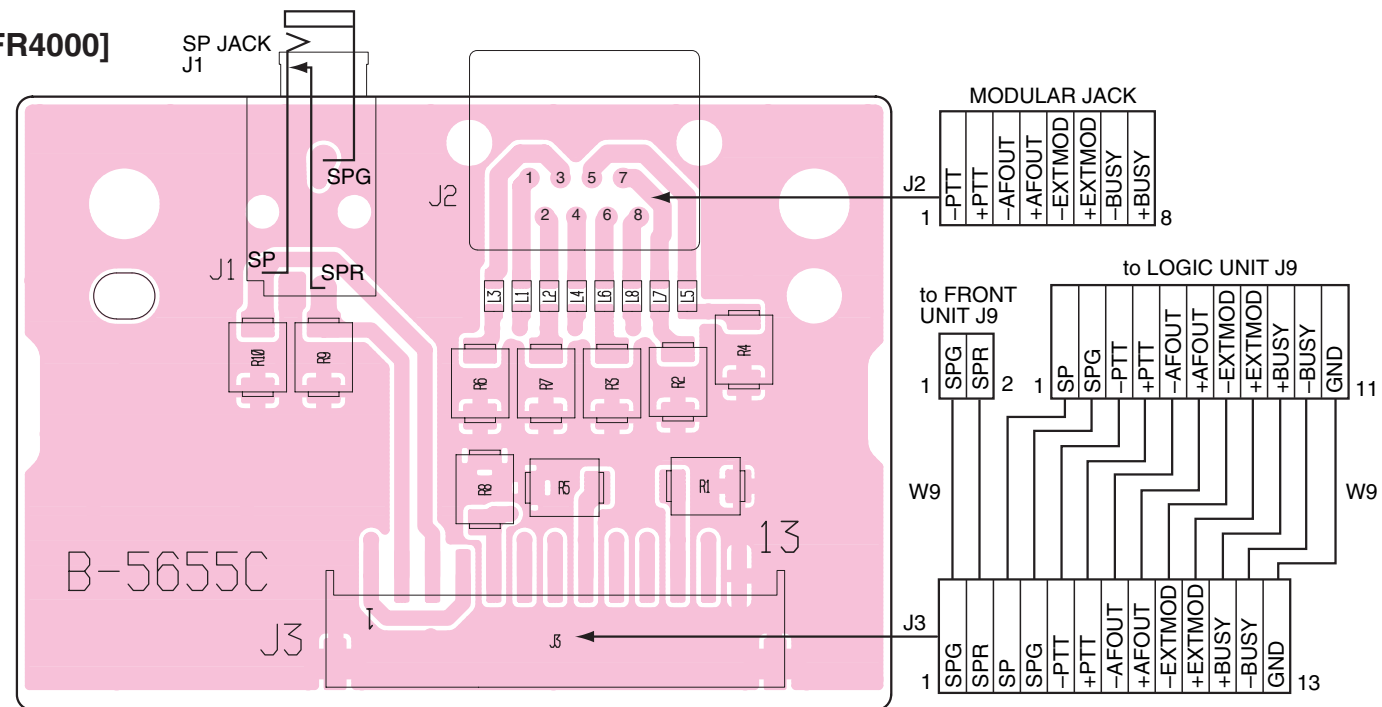
9 - 11 REG UNIT

• TOP VIEW

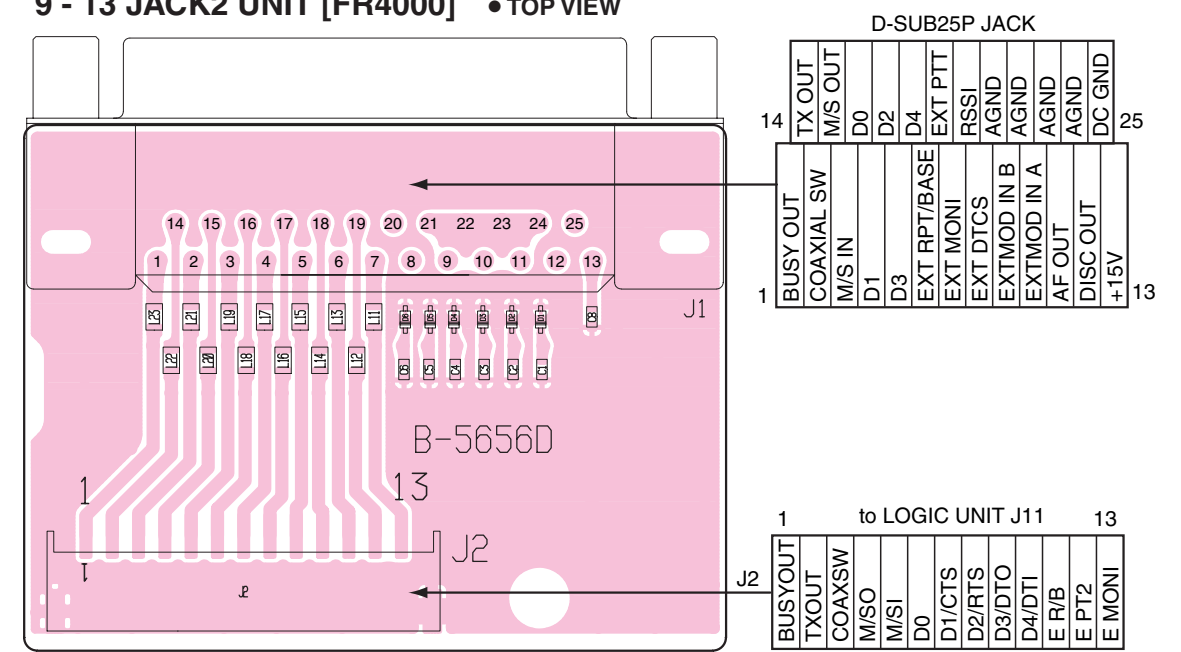


9 - 12 JACK1 UNIT [FR4000]

• TOP VIEW



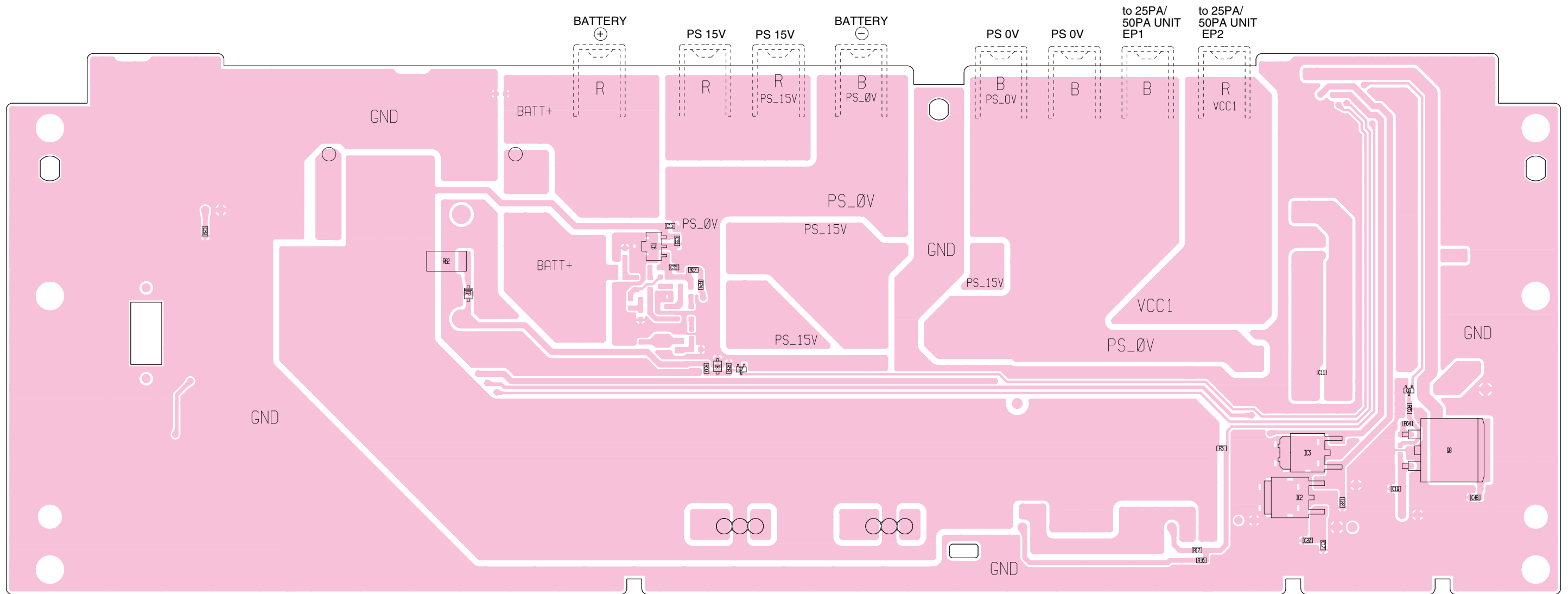
9 - 13 JACK2 UNIT [FR4000] • TOP VIEW



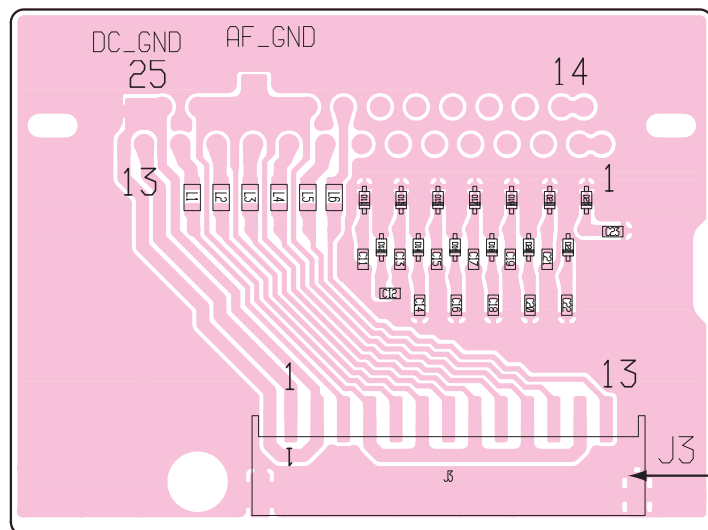
REG UNIT

• BOTTOM VIEW

The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.

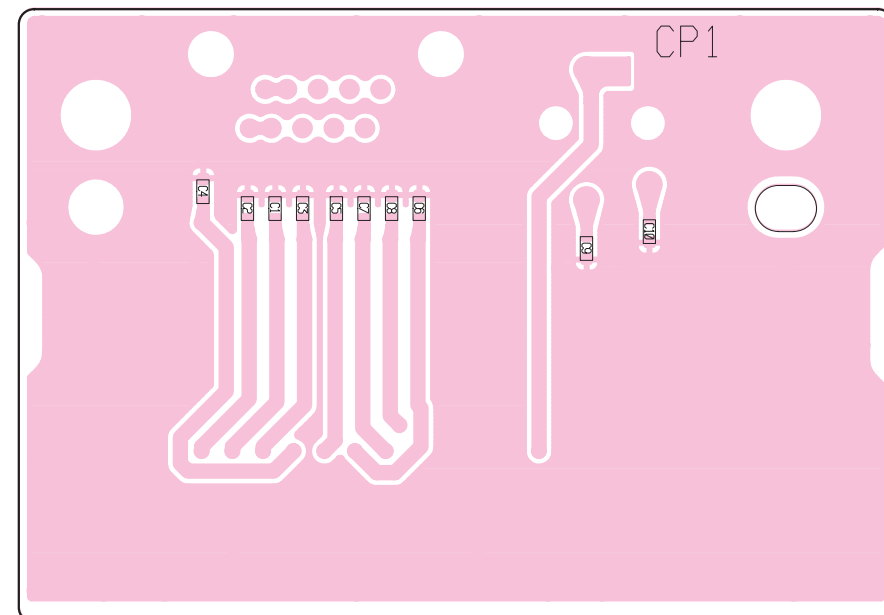


JACK2 UNIT [FR4000] • BOTTOM VIEW



1	to LOGIC UNIT J10	13
+E15V		
DC GND		
DISC OUT		
AF GND		
AF OUT		
AF GND		
E MOD2		
E MOD3		
E MODG		
E DTCS		
E MODG		
RSSI		

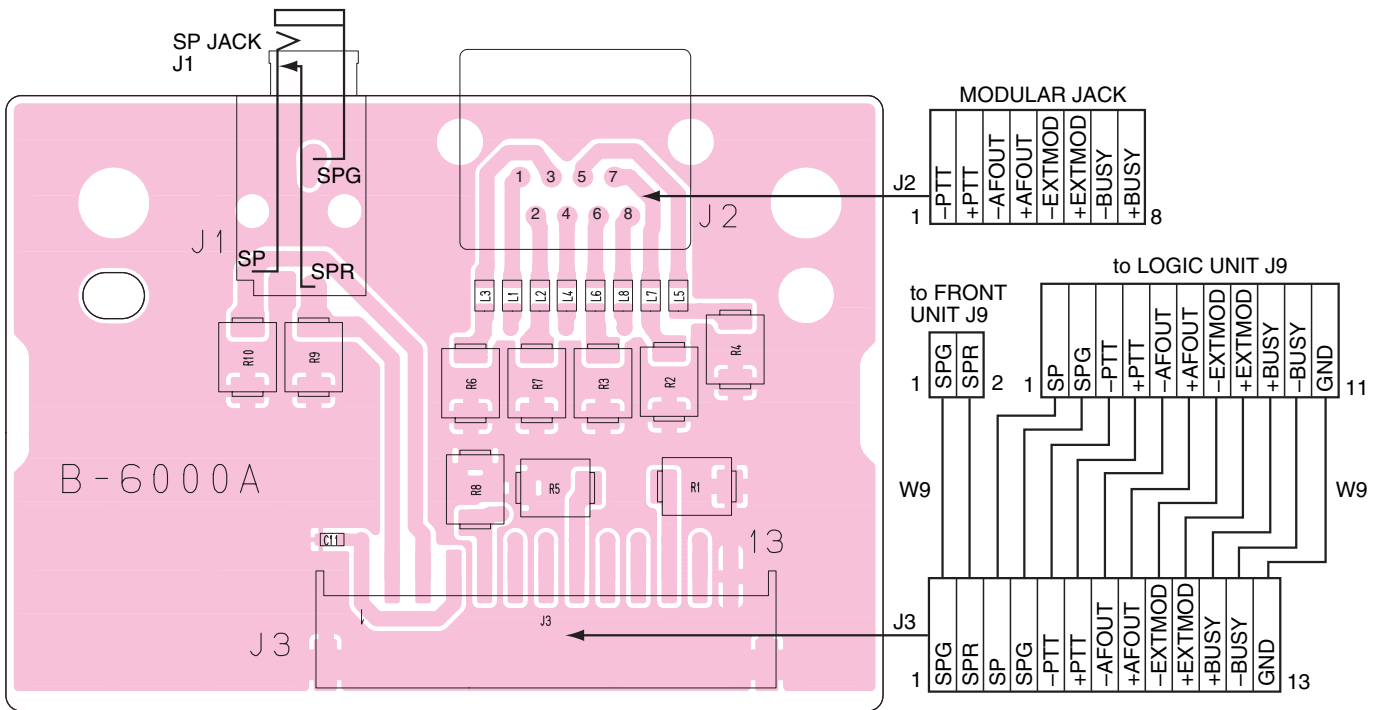
JACK1 UNIT [FR4000] • BOTTOM VIEW



9 - 14 JACK1 UNIT [FR4100]

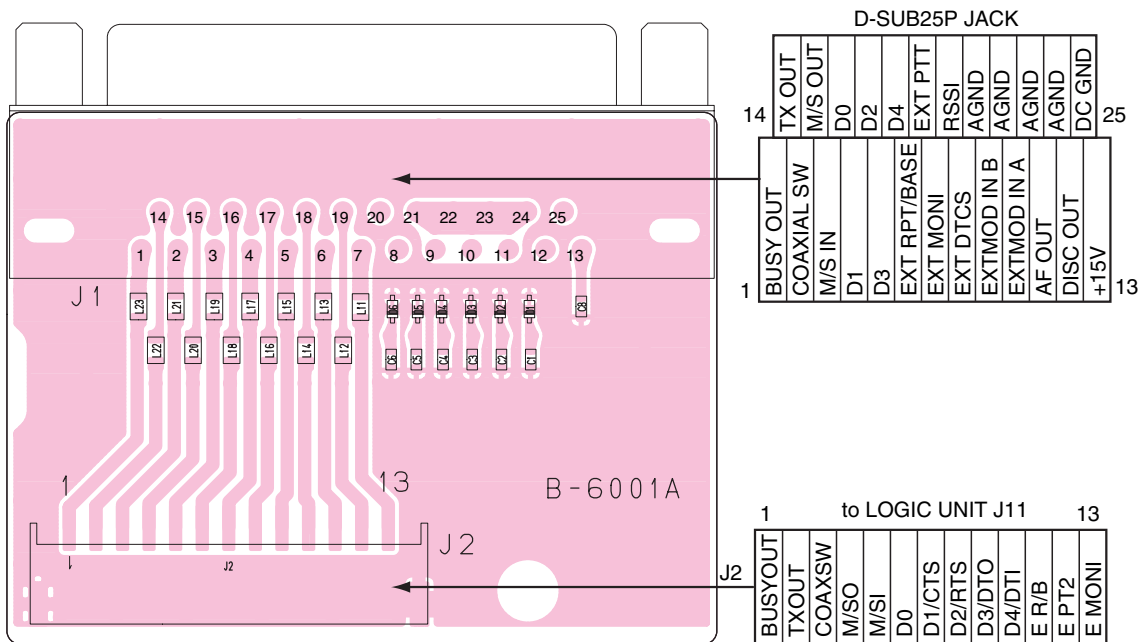
• TOP VIEW

The combination of this page and the next page shows the unit layout in the same configuration as the actual P.C. Board.



9 - 15 JACK2 UNIT [FR4100]

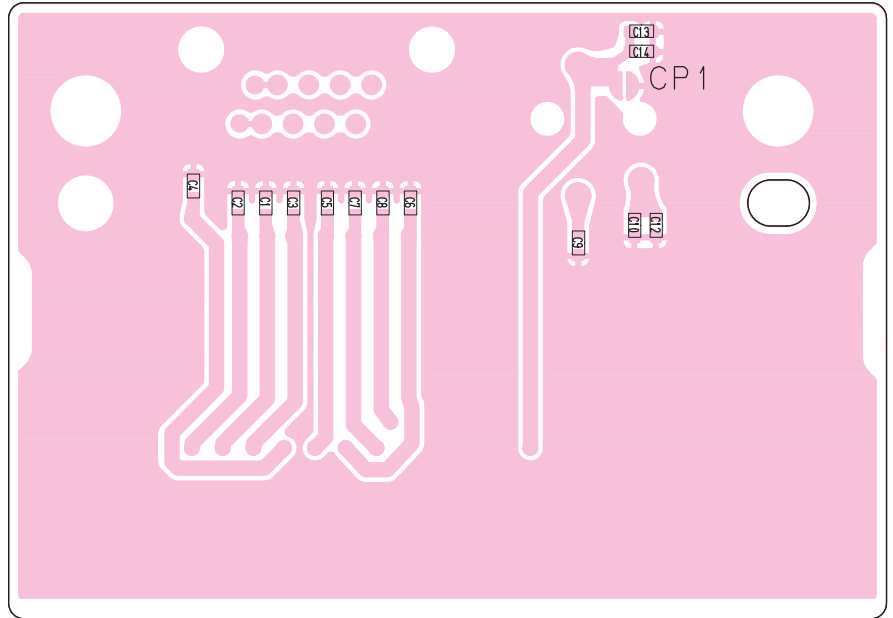
• TOP VIEW



JACK1 UNIT [FR4100]

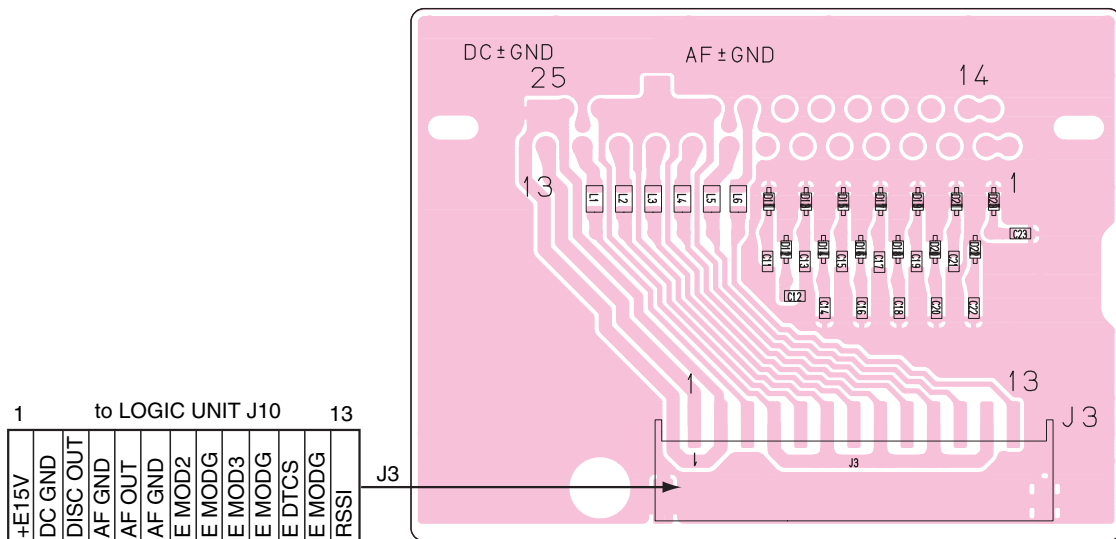
• BOTTOM VIEW

The combination of this page and the previous page shows the unit layout in the same configuration as the actual P.C. Board.

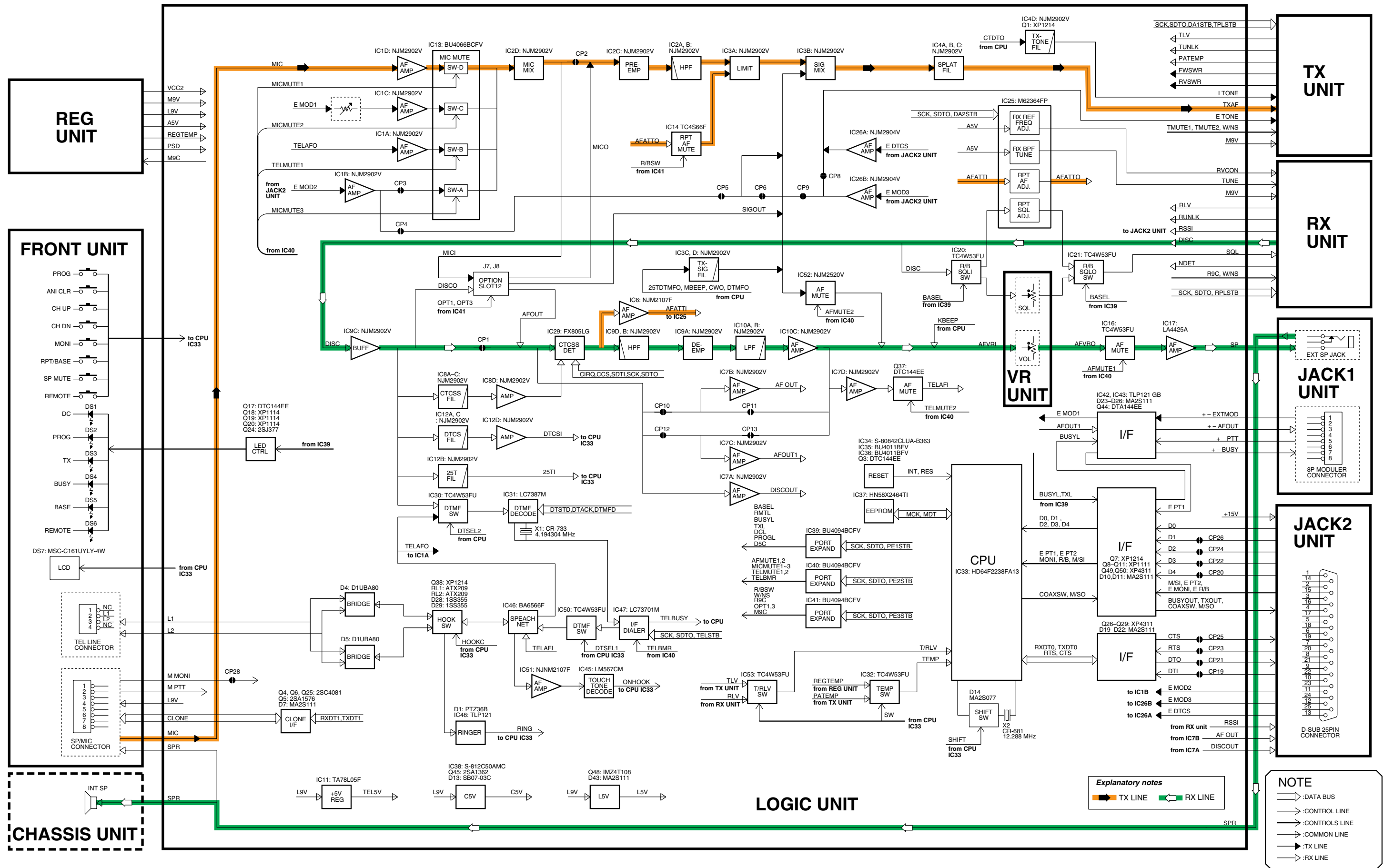


JACK2 UNIT [FR4100]

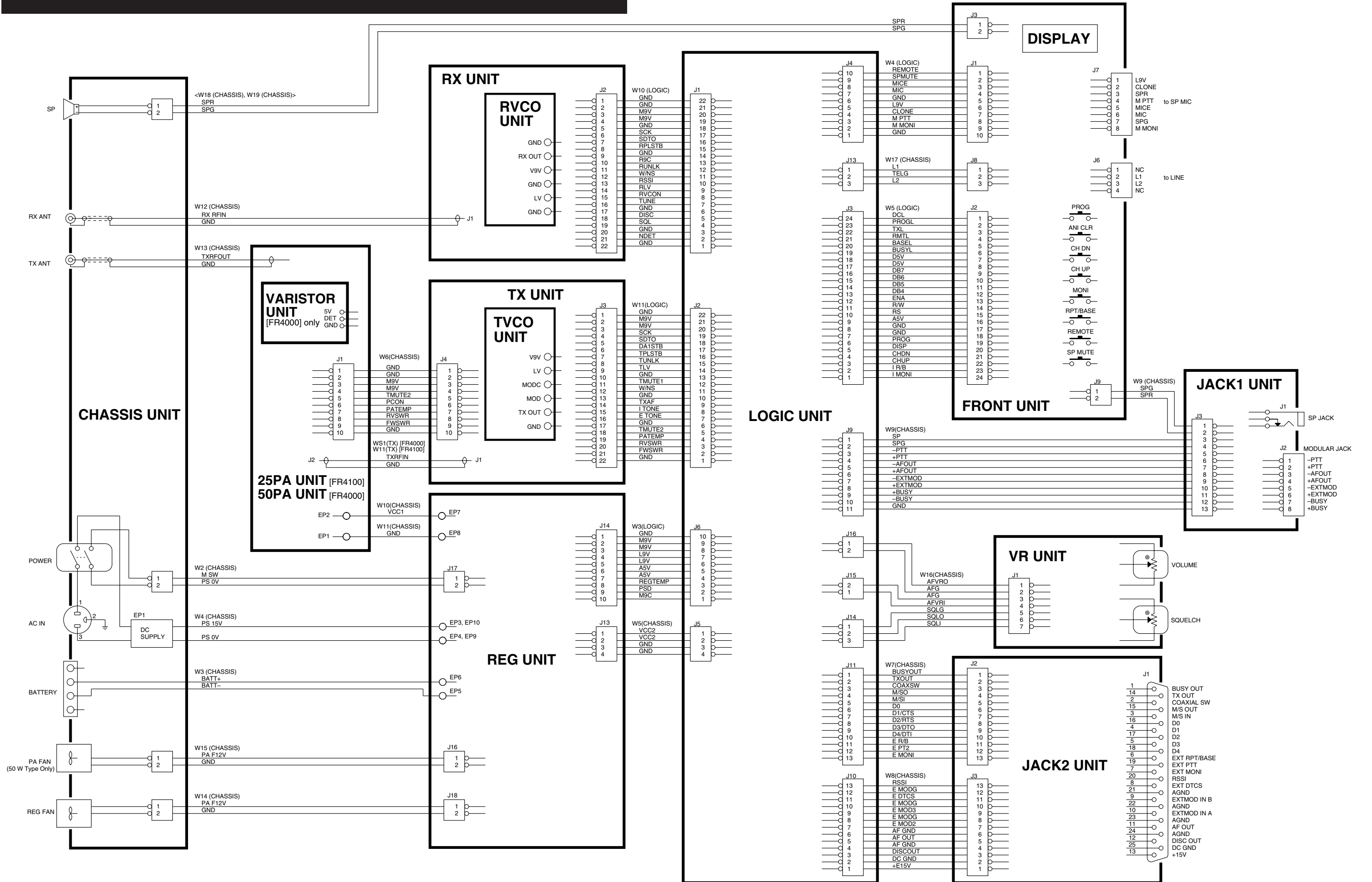
• BOTTOM VIEW



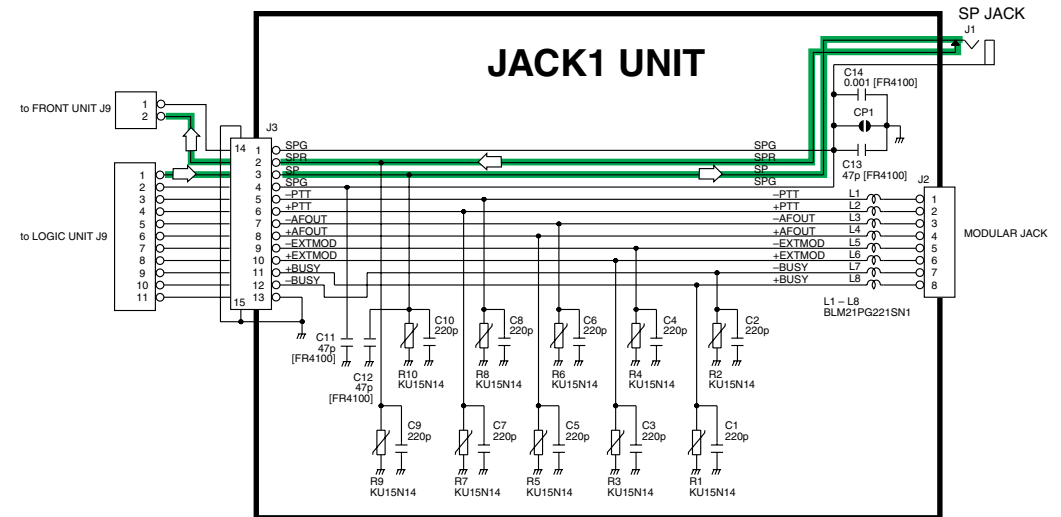
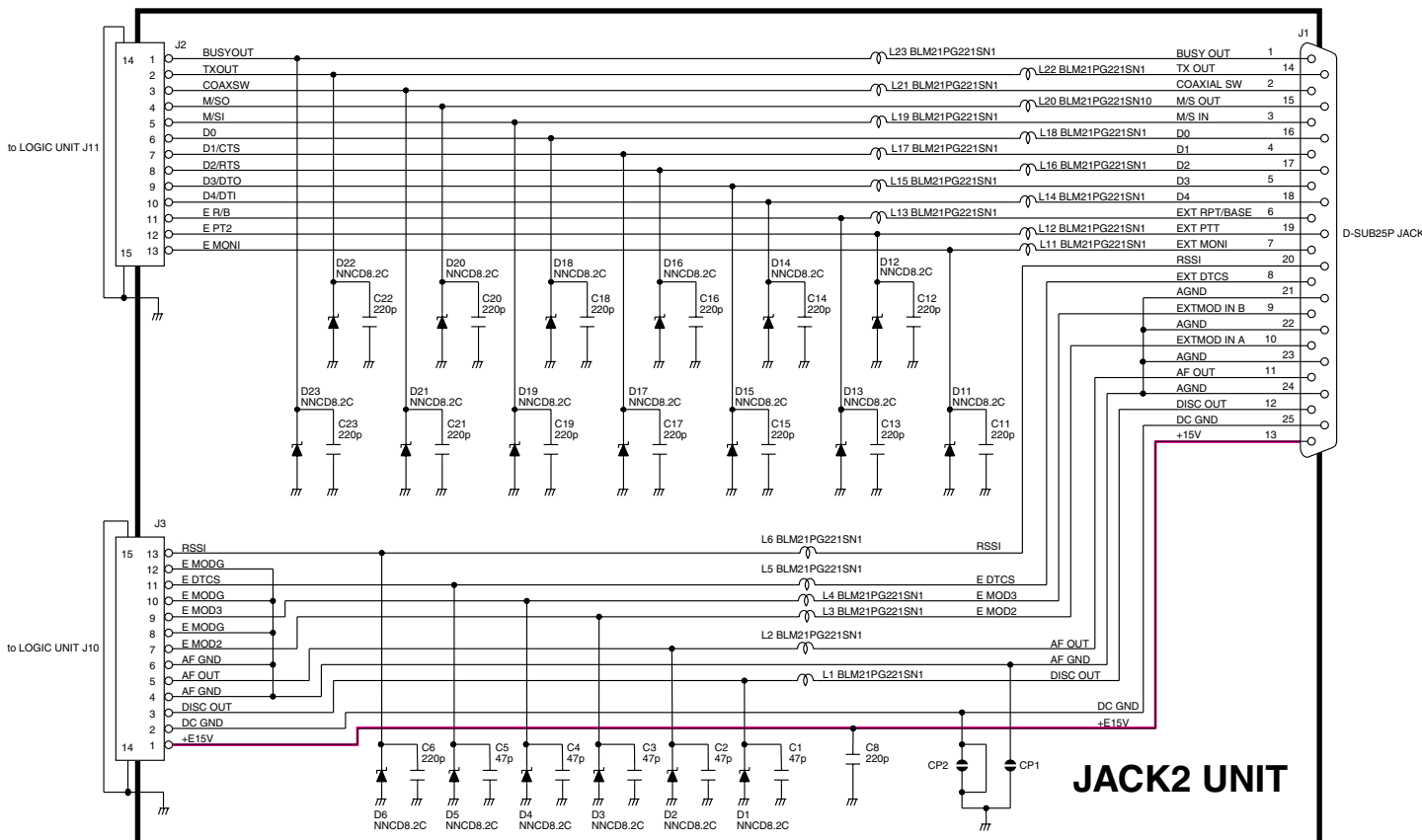
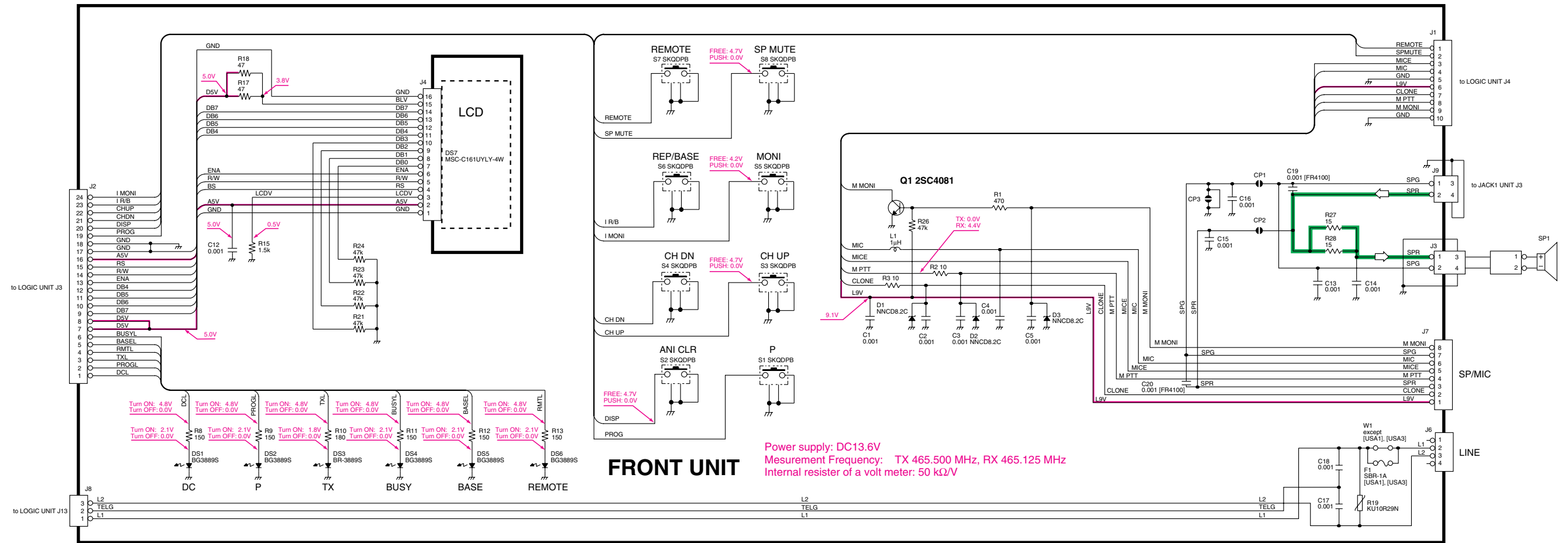
SECTION 10 BLOCK DIAGRAM



SECTION 11 WIRING DIAGRAM



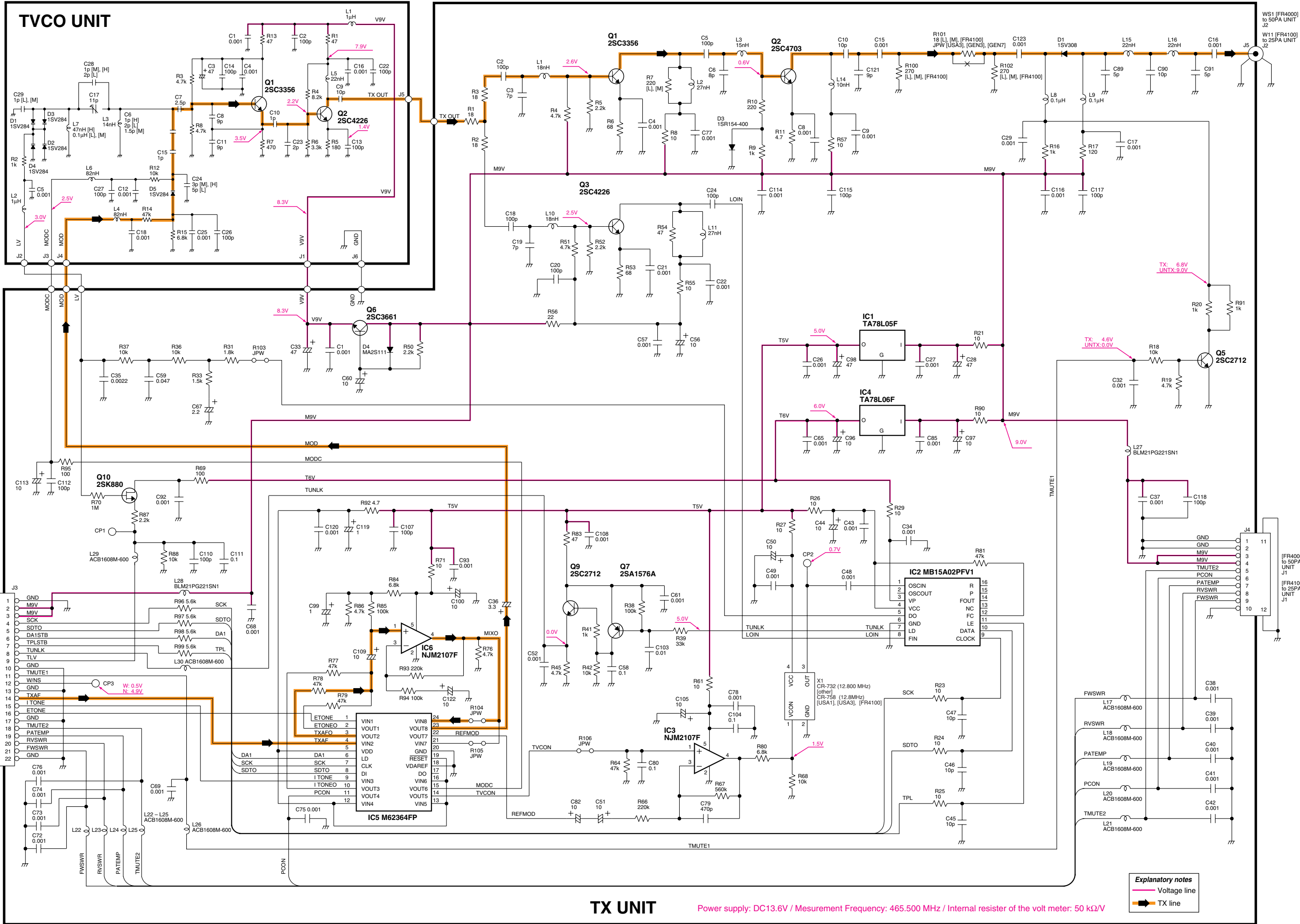
SECTION 12 VOLTAGE DIAGRAM



Explanatory notes

- Voltage line
- RX line

TVCO UNIT



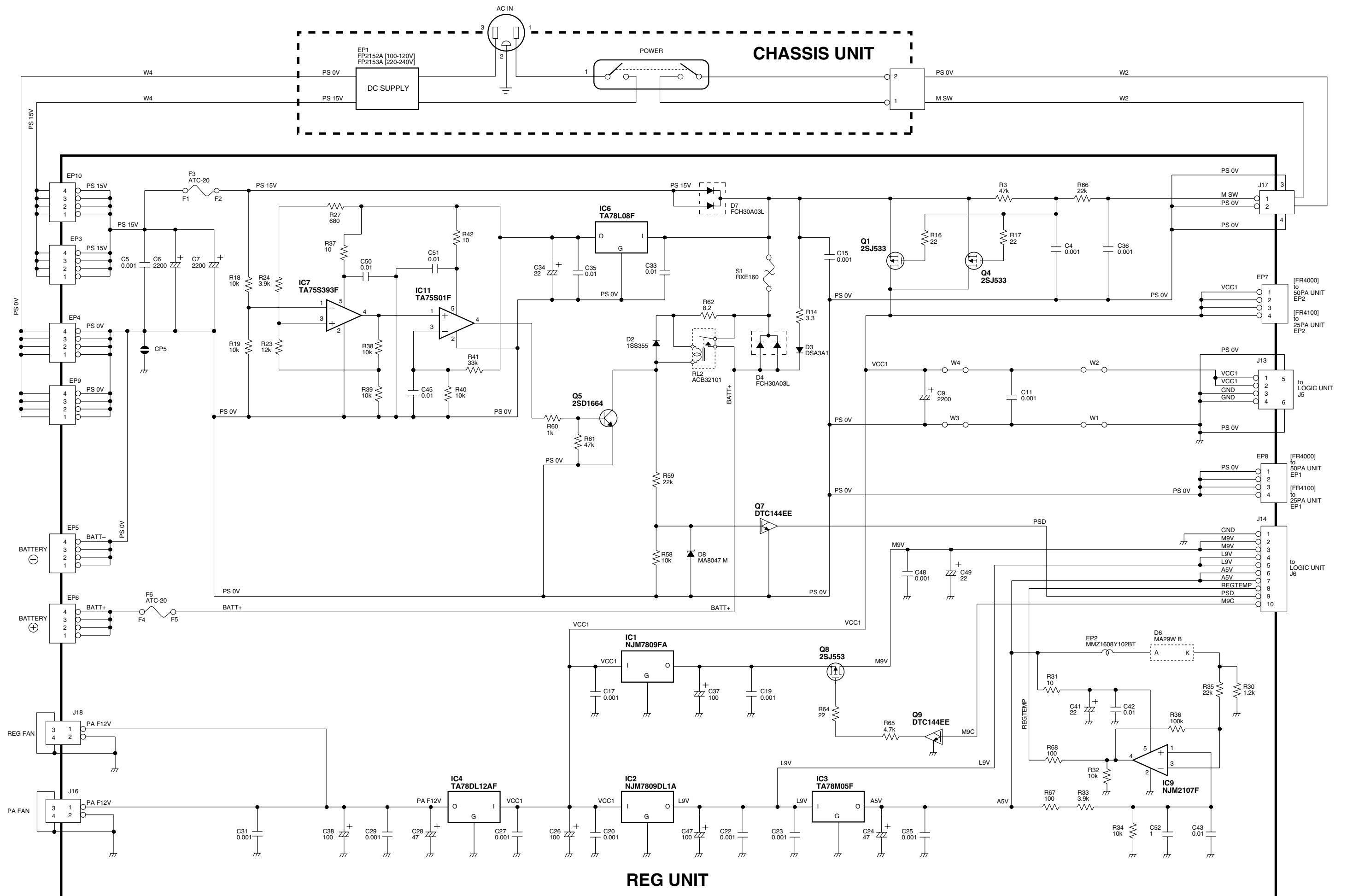
TX UNIT

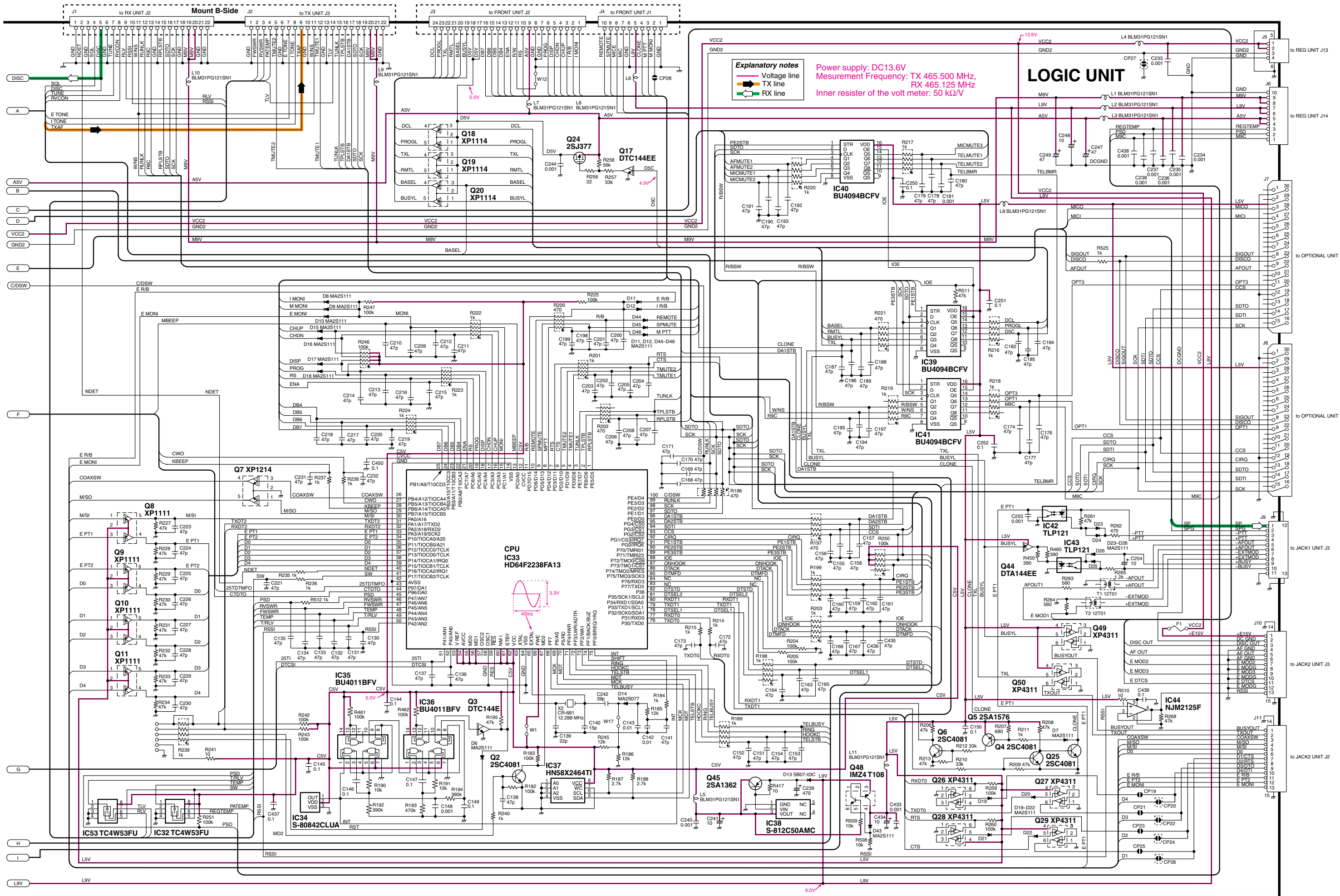
Power supply: DC13.6V / Measurement Frequency: 465.500 MHz / Internal resistor of the volt meter: 50 kΩ/V

Explanatory notes

- Voltage line
- TX line

[L]:LOW BAND, [M]:MIDDLE BAND, [H]:HIGH BAND



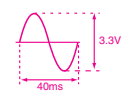


Explanatory notes
 Voltage line
 TX line
 RX line

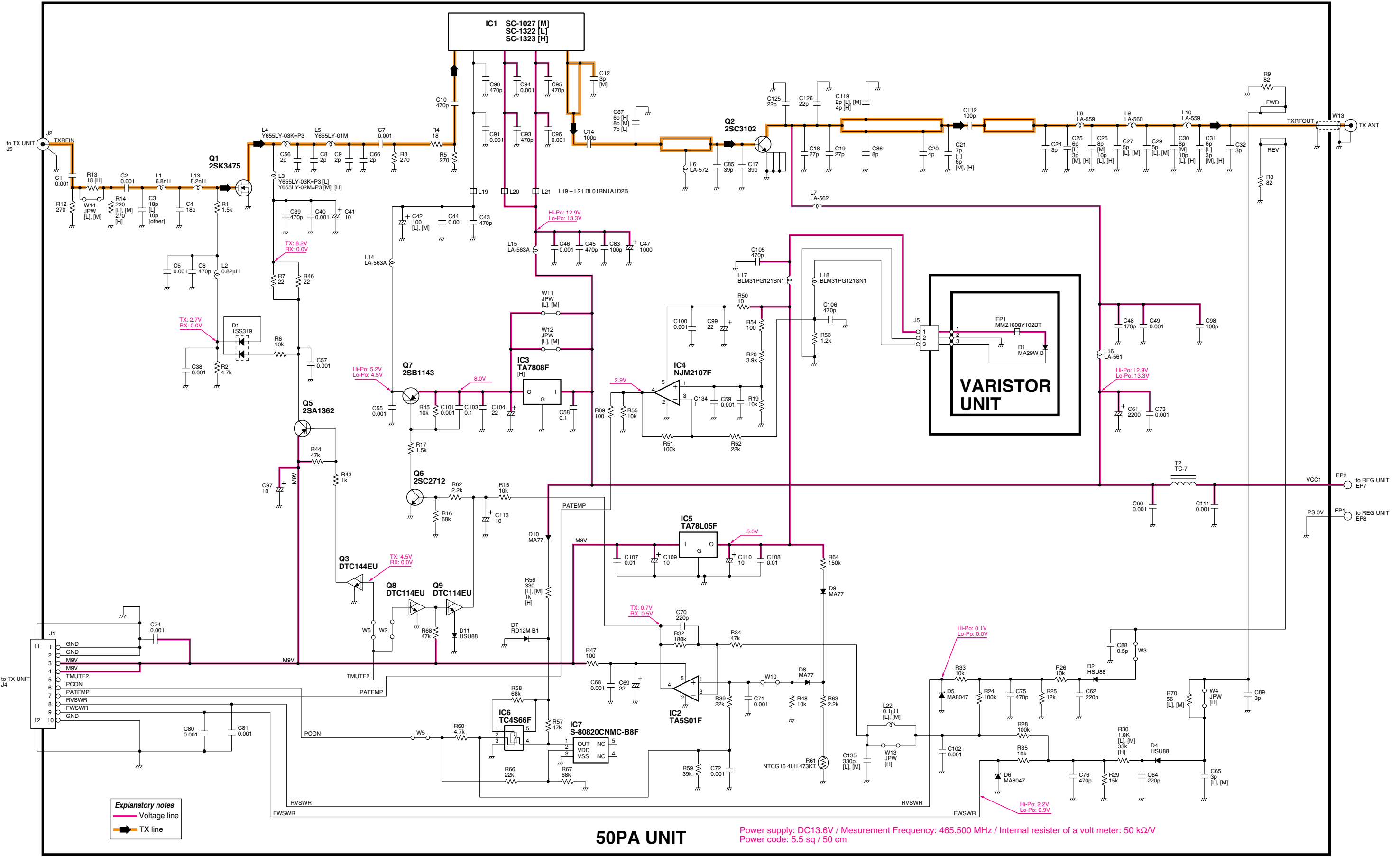
Power supply: DC13.6V
 Measurement Frequency: TX 465.500 MHz,
 RX 465.125 MHz
 Inner resistor of the volt meter: 50 kΩ/V

LOGIC UNIT

CPU
 IC33
 HD64F2238FA13



[FR4000]



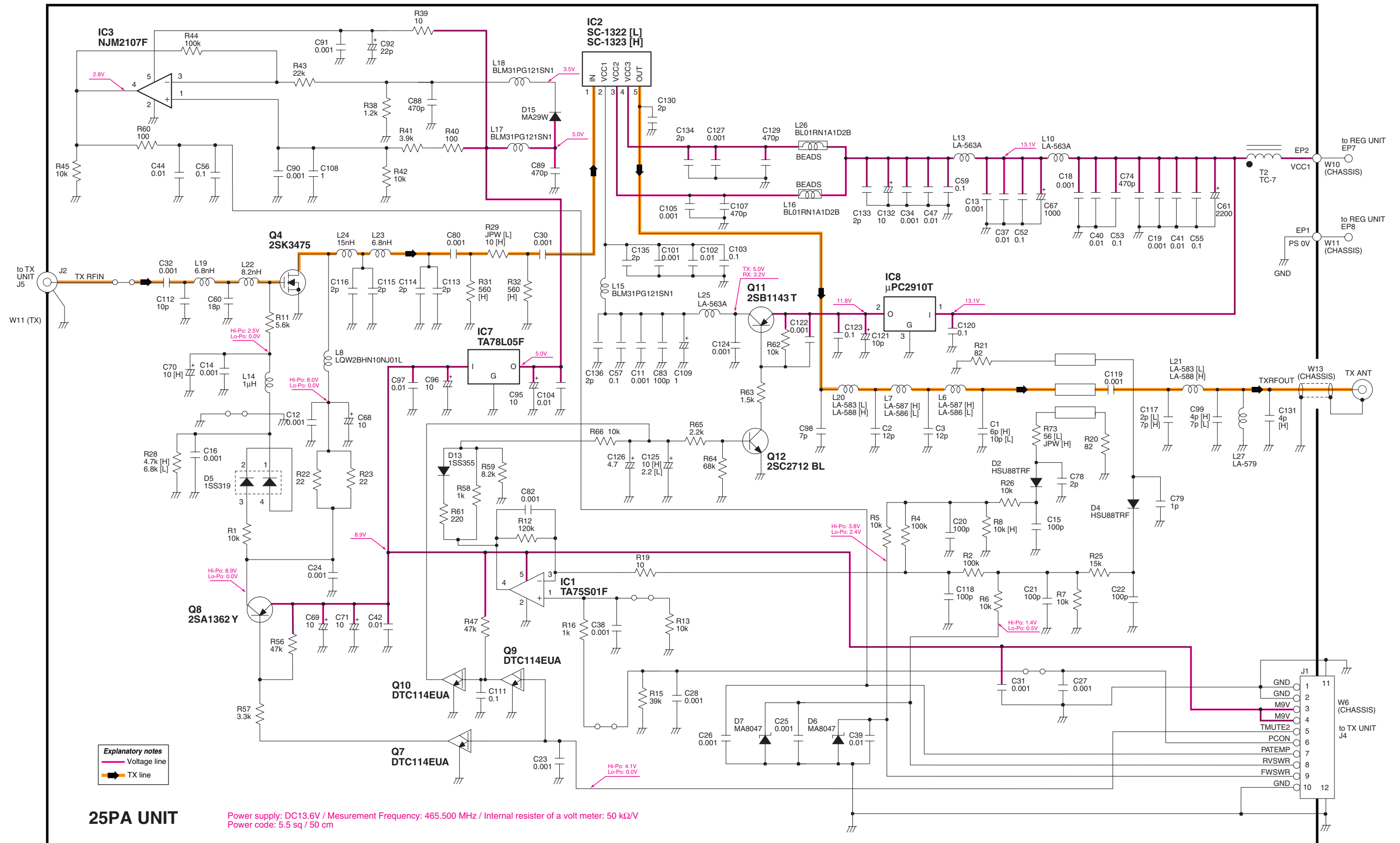
Explanatory notes
 Voltage line
 TX line

50PA UNIT

Power supply: DC13.6V / Mesurement Frequency: 465.500 MHz / Internal resistor of a volt meter: 50 kΩ/V
 Power code: 5.5 sq / 50 cm

[L]:LOW BAND, [M]:MIDDIE BAND, [H]:HIGH BAND

[FR4100]



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