

VHF FM TRANSCEIVER

FTM-3100R/E

VHF DIGITAL/ANALOG TRANSCEIVER

FTM-3200DR/DE

EH052N90A

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Introduction

This manual provides the technical information necessary for servicing the FTM-3100R/E and FTM-3200DR/DE Transceiver.

Servicing this equipment requires expertise in handling surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components, and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

While we believe the information in this manual to be correct, YAESU assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Contents

- Specifications
- Exploded View
- Block Diagram
- Alignment
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 - MAIN Unit
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 - DSP Unit

Important Note

This transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

General

Frequency Range:	TX: 144 - 146 MHz or 144 - 148 MHz RX: 136 - 174 MHz
Channel Steps:	5, 6.25, 10, 12.5, 15, 20, 25, 50, 100 kHz
Standard Repeater Shift:	±600 kHz
Frequency Stability:	Digital: ±2.5 ppm (−4 °F to +140 °F [−20 °C to +60 °C]) Analog: ±10 ppm (−4 °F to +140 °F [−20 °C to +60 °C])
Emission Type:	F3E (FTM-3100R/E) F3E, F7W (FTM-3200DR/DE)
Supply Voltage:	13.8 V DC ±15%, negative ground
Current Consumption:	RX: less than 0.7 A, less than 0.5 A (squelched) Tx: 15 A (65 W) / 10 A (30 W) / 5 A (5 W)
Operating Temperature:	−4 °F to +140 °F (−20 °C to +60 °C)
Case Size (W x H x D):	6.1" (W) × 1.7" (H) × 6.1" (D) (154 × 43 × 155 mm) (w/o knobs)
Weight (approx.):	2.86 lbs (1.3 kg)

Transmitter

RF Power Output:	65 / 30 / 5 W
Modulation Type:	F3E : Variable Reactance F7W: 4 FSK (C4FM)
Spurious Emission:	Better than -60 dB Better than -61.1 dB (European version, 65 W)

Receiver

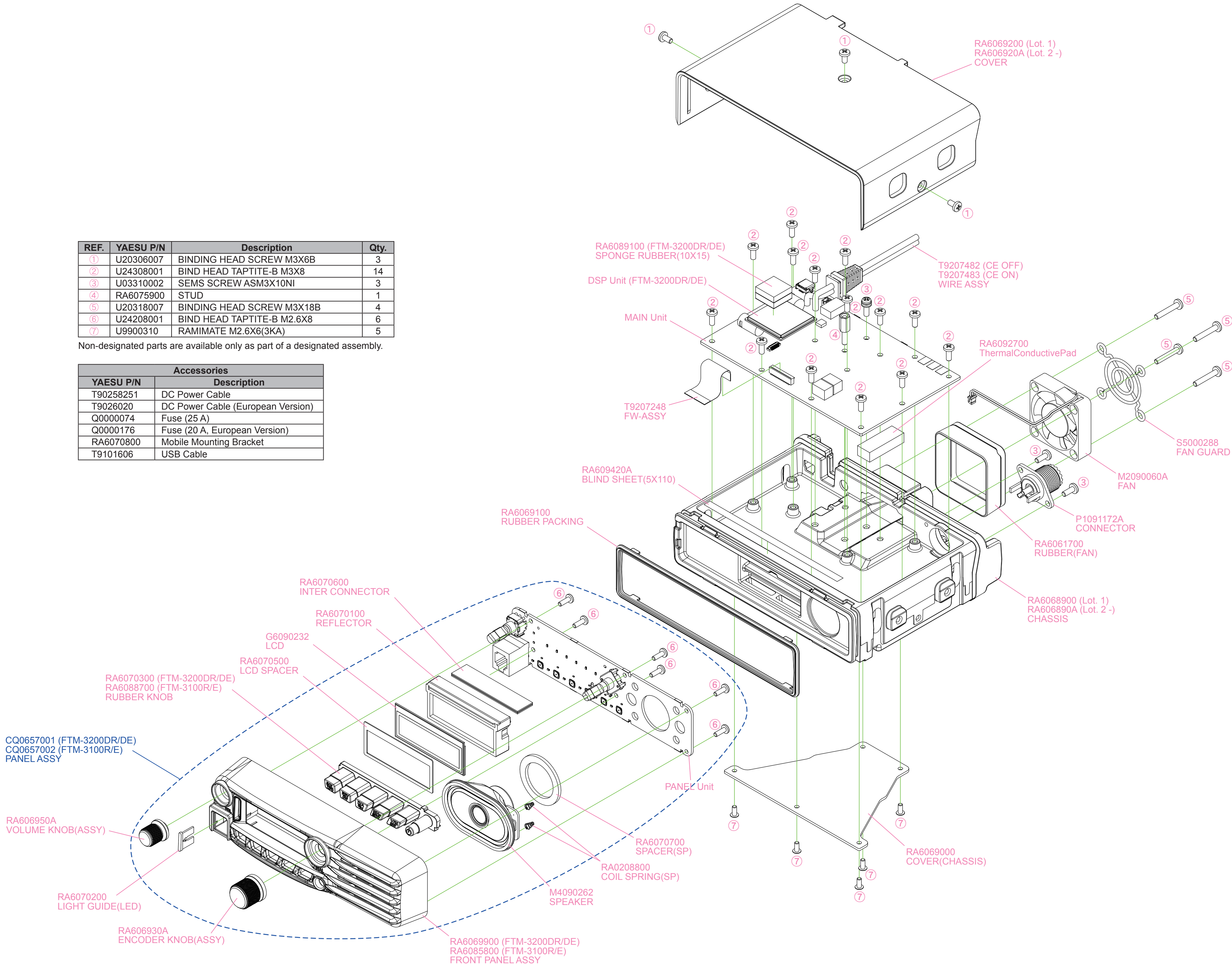
Circuit Type:	Double-Conversion Super heterodyne
IFs:	1 st: 47.25 MHz, 2 nd: 450 kHz
Sensitivity (for 12 dB SINAD):	0.20 µV (Ham band, wide) 0.22 µV (Ham band, narrow)
Sensitivity (for Digital):	0.22 µV (BER 1%)
Selectivity:	12 kHz/28 kHz (−6 dB/−60 dB)
AF Output:	3 W @ 13.8 V, 10% THD

Performance specifications are nominal, unless otherwise indicated, and are subject to change without notice. Measured in accordance with TIA/EIA-603.

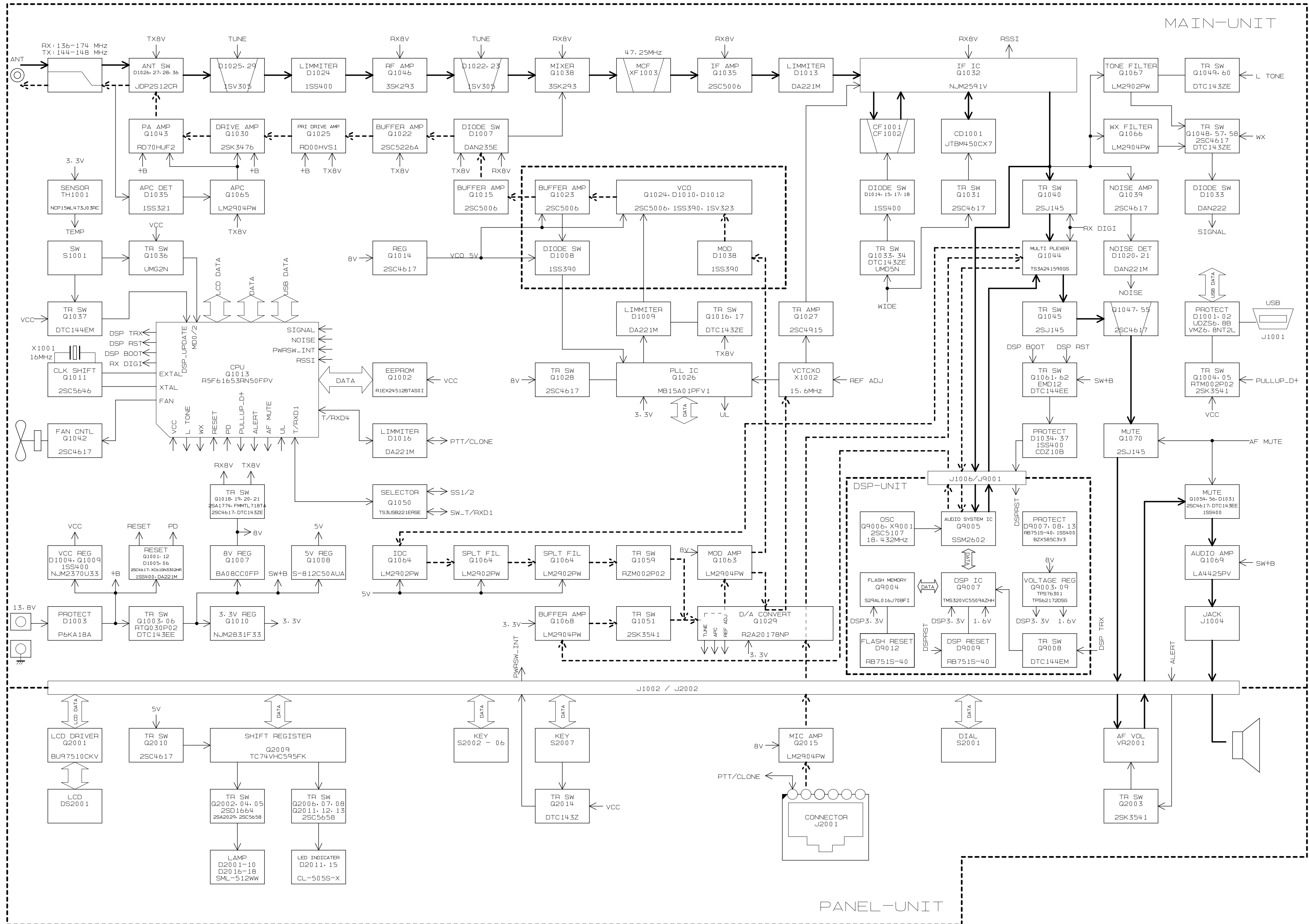
REF.	YAESU P/N	Description	Qty.
①	U20306007	BINDING HEAD SCREW M3X6B	3
②	U24308001	BIND HEAD TAPTITE-B M3X8	14
③	U03310002	SEMS SCREW ASM3X10NI	3
④	RA6075900	STUD	1
⑤	U20318007	BINDING HEAD SCREW M3X18B	4
⑥	U24208001	BIND HEAD TAPTITE-B M2.6X8	6
⑦	U9900310	RAMIMATE M2.6X6(3KA)	5

Non-designated parts are available only as part of a designated assembly.

Accessories	
YAESU P/N	Description
T90258251	DC Power Cable
T9026020	DC Power Cable (European Version)
Q0000074	Fuse (25 A)
Q0000176	Fuse (20 A, European Version)
RA6070800	Mobile Mounting Bracket
T9101606	USB Cable



EXPLODED VIEW-1



Introduction and Precautions

The FTM-3100R/E, FTM-3200DR/DE has been carefully aligned at the factory for performance across the specified amateur bands. Realignment should therefore not be necessary except in the event of a component failure. All component replacement and service should be performed only by an authorized YAESU representative, or the warranty policy may be voided.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized YAESU service technicians, who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized YAESU service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components.

Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, YAESU must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners.

Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary.

Required Test Equipment

- ☐ RF Signal Generator with calibrated output level at 1 GHz
- ☐ Deviation Meter (linear detector)
- ☐ In-line Wattmeter with 5% accuracy at 1 GHz
- ☐ 50-ohm, 100-W RF Dummy Load
- ☐ 8-ohm AF Dummy Load
- ☐ Regulated DC Power Supply adjustable from 11.5 to 16 V DC, 15 A
- ☐ Frequency Counter: 0.2-ppm accuracy at 1 GHz
- ☐ AF Signal Generator
- ☐ AC Voltmeter
- ☐ DC Voltmeter: high impedance
- ☐ VHF/UHF Sampling Coupler
- ☐ SINAD Meter

Important Notice

Do not adjust the alignment menus that are not mentioned in this manual.

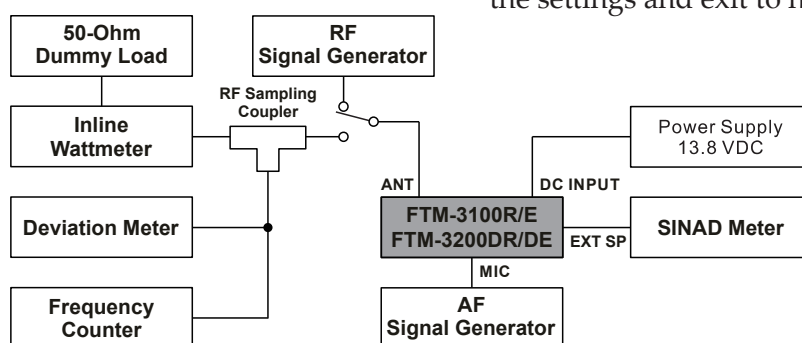
Alignment Preparation & Precautions

A 100-W RF dummy load and in-line wattmeter must be connected to the main antenna jack in all procedures that call for transmission; alignment is not possible with an antenna. After completing one step, read the next step to see if the same test equipment is required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding. Correct alignment requires the transceiver and test equipment be maintained at a constant ambient temperature between 68 °F ~ 86 °F (20 °C ~ 30 °C). When the transceiver is brought into the shop from hot or cold air, it should be allowed some time to come to room temperature before alignment. Whenever possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place. Also, the test equipment must be thoroughly warmed up before beginning.

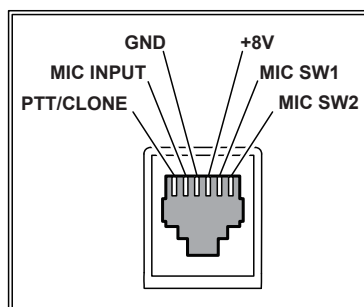
Note: Signal levels in dB referred to in the alignment procedure are based on 0 dBμ=0.5 μV (closed circuit).

Test Setup

Set up the test equipment as shown below for transceiver alignment. Maintain the supply voltage at 13.8V DC for all steps.



Test Equipment Setup



MIC Jack

Internal System Alignment Routine

This uses a programmed routine in the transceiver which simplifies many previously complex discrete component settings and adjustments with digitally-controlled settings via front panel buttons and LCD indications.

Programming the alignment password

1. Set the transceiver to the Analog-mode.
2. Press and hold in the [**MHz(SETUP)**] key for one second, then rotate the **DIAL** knob to select "**OPEN MSG 20**" (FTM-3100R/E), "**OPEN MSG 27**" (FTM-3200DR/DE).
3. Press the [**MHz(SETUP)**] key, then rotate the **DIAL** knob to select "MESSAGE".
4. Press the [**TXPO**] (FTM-3100R/E), [**D/A(GM)**] (FTM-3100R/E) key momentarily to enable programming of the opening message. You will notice the first character entry's location blinking.
5. Rotate the **DIAL** knob to select the "A", then press the [**V/M(MW)**] key momentarily to save the "A" and move to the next character.
6. Repeat the previous step to complete the alignment password "AH052N".
7. When you have completed the password, press the [**TXPO**] (FTM-3100R/E), [**D/A(GM)**] (FTM-3100R/E) key momentarily, then press and hold in the [**MHz(SETUP)**] key for one second to save the settings and exit to normal operation.

To enter the Alignment mode

1. Turn the transceiver off.
2. Press and hold in the **[SQL]** and **[TXPO]** (FTM-3100R/E), **[SQL(TXPO)]** and **[D/A(GM)]** (FTM-3200DR/DE) keys while powering the transceiver on. The transceiver will enter the adjustment mode, and the display will show the first alignment setting. Thereafter, the frequencies used during alignment will automatically be set without action by the technician.

In the alignment process, each adjustment is selected by rotating the **DIAL** knob. The alignment is performed by: pressing the **[V/M(MW)]** key injecting a signal of the required frequency and level; making the adjustment; and then pressing the **[V/M(MW)]** key again, to store the adjustment.

To exit the alignment routine, press the **[REV(DW)]** key.

As each transceiver is individually optimized at the factory, the precise settings for the transceiver on your bench may be slightly different.

PLL Reference Frequency Adjustment

1. Rotate the **DIAL** knob to select the Alignment Menu "**rF**".
2. Press the **[V/M(MW)]** key.
3. Press the **PTT** switch to transmit and rotate the **DIAL** knob so that the frequency counter setting is 146.000 MHz (± 100 Hz).
4. Release the **PTT** switch, then press the **[V/M(MW)]** key.

RF Front-end Tuning

1. Inject a 145.100 MHz signal at a level of -9 dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
2. Rotate the **DIAL** knob to select the Alignment Menu "**tn**".
3. Press the **[V/M(MW)]** key.
4. Adjust the **DIAL** knob so that the maximum-SINAD.
5. Press the **[V/M(MW)]** key.

Squelch Threshold Level

1. Inject a 145.100 MHz signal at a level of -11 dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
2. Rotate the **DIAL** knob to select the Alignment Menu "**tL**".
3. Press the **[V/M(MW)]** key.
4. Press the **[SQL]** (FTM-3100R/E), **[SQL(TXPO)]** (FTM-3200DR/DE) key three times.
5. Press the **[V/M(MW)]** key.

Tight Squelch Level

1. Inject a 145.100 MHz signal at a level of -3 dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
2. Rotate the **DIAL** knob to select the Alignment Menu "**tH**".
3. Press the **[V/M(MW)]** key.
4. Press the **[SQL]** (FTM-3100R/E), **[SQL(TXPO)]** (FTM-3200DR/DE) key three times.
5. Press the **[V/M(MW)]** key.

S-meter Level (S-1)

1. Inject a 145.100 MHz signal at a level of -5 dB μ V (with 1 kHz modulation @ $\pm$ 3.5 kHz deviation) from the RF signal generator.
2. Rotate the **DIAL** knob to select the Alignment Menu "S1".
3. Press the [V/M(MW)] key.
4. Press the [SQL] (FTM-3100R/E), [SQL(TXPO)] (FTM-3200DR/DE) key three times.
5. Press the [V/M(MW)] key.

S-meter Level (S-9)

1. Inject a 145.100 MHz signal at a level of -23 dB μ V (with 1 kHz modulation @ $\pm$ 3.5 kHz deviation) from the RF signal generator.
2. Rotate the **DIAL** knob to select the Alignment Menu "S9".
3. Press the [V/M(MW)] key.
4. Press the [SQL] (FTM-3100R/E), [SQL(TXPO)] (FTM-3200DR/DE) key three times.
5. Press the [V/M(MW)] key.

TX Power (High)

1. Rotate the **DIAL** knob to select the Alignment Menu "HP".
2. Press the [V/M(MW)] key.
3. Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 65 W ($\pm$ 1.5 W).
4. Press the [V/M(MW)] key.

TX Power (Mid)

1. Rotate the **DIAL** knob to select the Alignment Menu "L3".
2. Press the [V/M(MW)] key.
3. Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 30 W ($\pm$ 1 W).
4. Press the [V/M(MW)] key.

TX Power (Low)

1. Rotate the **DIAL** knob to select the Alignment Menu "L2".
2. Press the [V/M(MW)] key.
3. Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 5 W ($\pm$ 0.5 W).
4. Press the [V/M(MW)] key.

TX Deviation

1. Inject a 1 kHz, 50 mV signal from the Audio generator.
2. Rotate the **DIAL** knob to select the Alignment Menu "dU".
3. Press the [V/M(MW)] key.
4. Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the Deviation Meter reading is 4.2 kHz ($\pm$ 0.1 kHz).
5. Press the [V/M(MW)] key.

CTCSS TX Deviation

1. Rotate the **DIAL** knob to select the Alignment Menu "103".
2. Press the [V/M(MW)] key.
3. Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the Deviation Meter reading is 0.65 kHz ($\pm$ 0.05 kHz).
4. Press the [V/M(MW)] key.

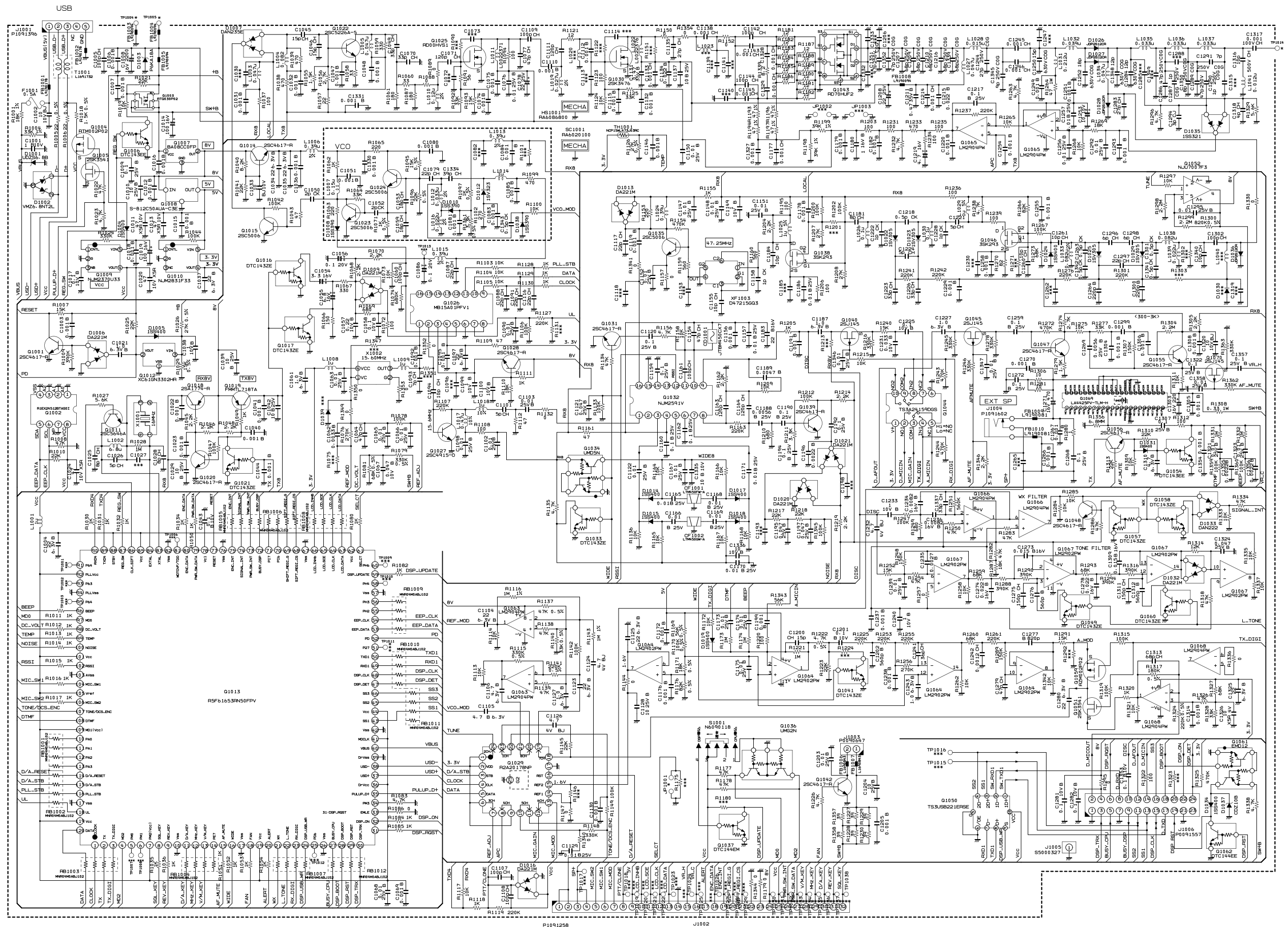
DCS TX Deviation

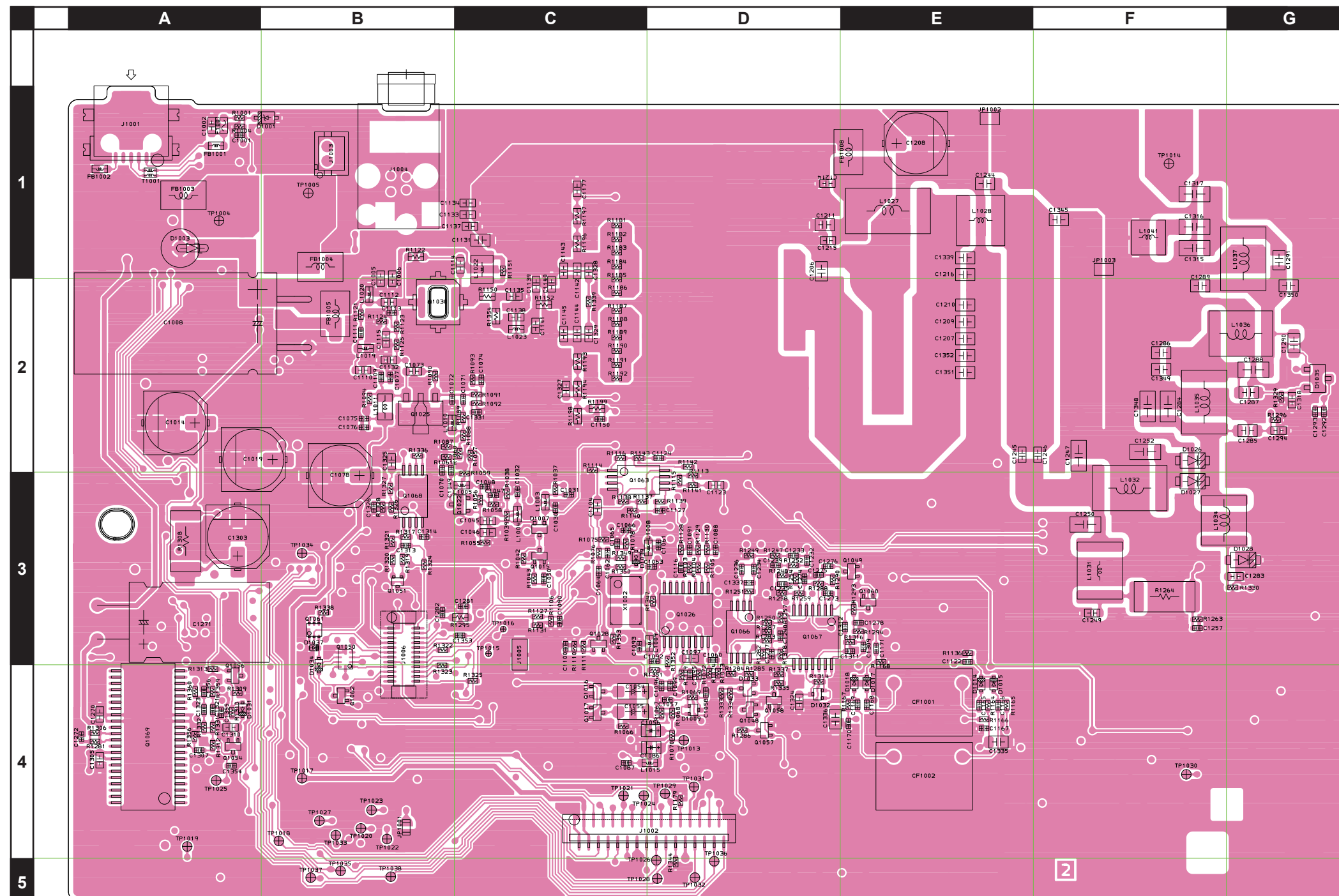
1. Rotate the **DIAL** knob to select the Alignment Menu "dC".
2. Press the [V/M(MW)] key.
3. Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the Deviation Meter reading is 0.65 kHz ($\pm$ 0.05 kHz).
4. Press the [V/M(MW)] key.

Closing the Alignment mode

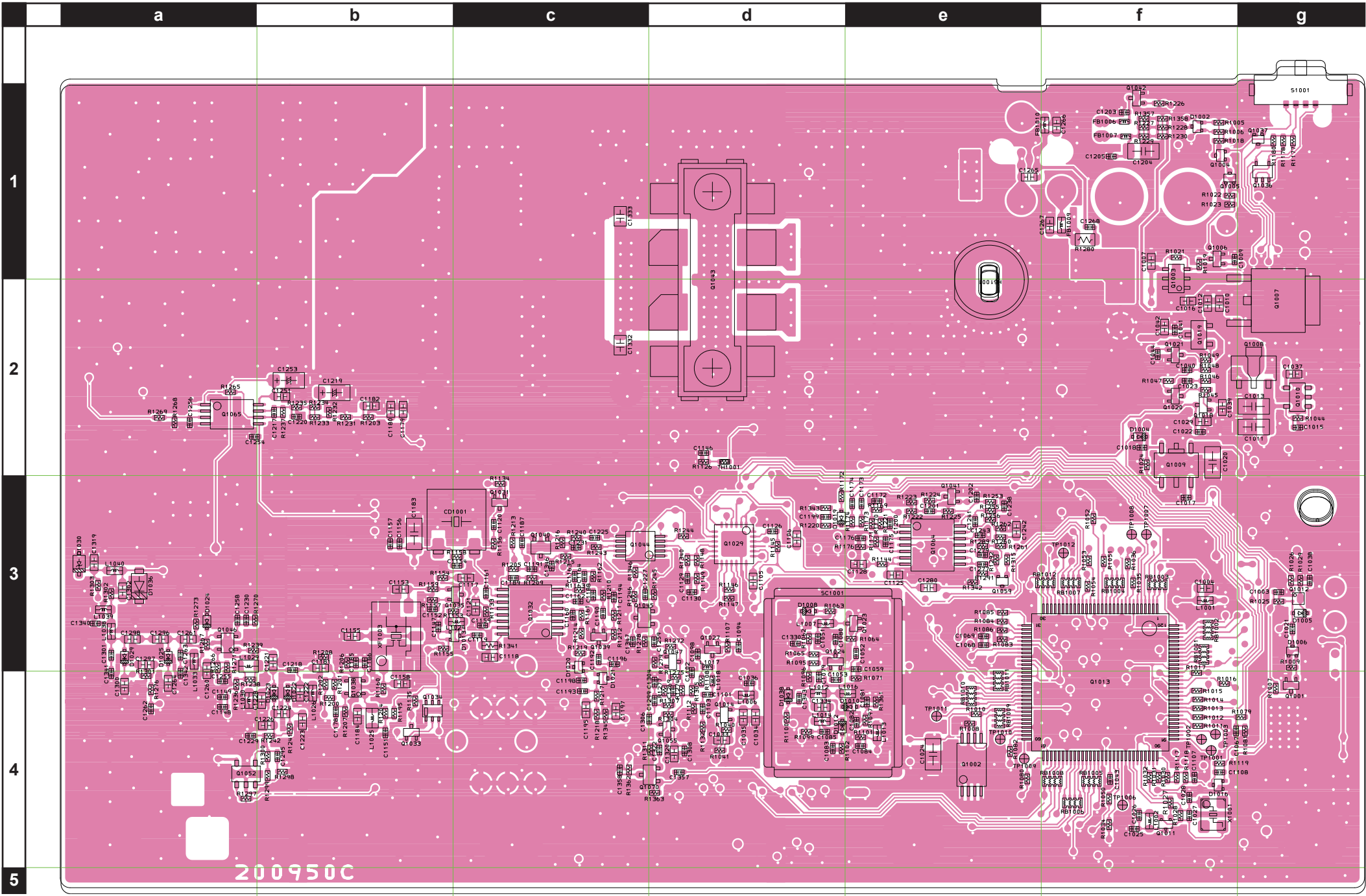
1. Press the [REV(DW)] key to save the new setting and exit to normal operation.
2. The next time the transceiver is turned on, normal operation will resume.

MAIN Unit Circuit Diagram





Side A



Side B

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
PCB with Components						CS2450701 CS2450702 CS2450703 CS2450704 CS2450705 CS2450706	FTM-3200DR TYP:A2 FTM-3200DE FTM-3200DR TYP:B3 FTM-3100R TYP:A2 FTM-3100E FTM-3100R TYP:B3			
C 1001	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	A1
C 1002	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	A	A1
C 1003	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g3
C 1004	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	f3
C 1005	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	B1
C 1006	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B1
C 1007	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f2
C 1008	AL.ELECTRO.CAP.	2200uF	16V		RJ5-16V222M	K40129101		1-	A	B2
C 1009	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	f2
C 1010	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-	B	f2
C 1011	CHIP CAP.	47uF	10V	X5R	GRM31CR61A476ME15L	K22101806		1-	B	g2
C 1012	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f2
C 1013	CHIP CAP.	47uF	10V	X5R	GRM31CR61A476ME15L	K22101806		1-	B	g2
C 1014	AL.ELECTRO.CAP.	100uF	16V		EEE1CA101WP	K48120012		1-	A	A2
C 1015	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g2
C 1016	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f2
C 1017	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f3
C 1018	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1019	AL.ELECTRO.CAP.	100uF	16V		EEE1CA101WP	K48120012		1-	A	A2
C 1020	CHIP CAP.	47uF	10V	X5R	GRM31CR61A476ME15L	K22101806		1-	B	f3
C 1021	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	g3
C 1022	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1023	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1024	CHIP CAP.	47uF	10V	X5R	GRM31CR61A476ME15L	K22101806		1-	B	e4
C 1025	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DA01D	K22178210		1-	B	f4
C 1026	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CA01D	K22178207		1-	B	f4
C 1028	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DA01D	K22178210		1-	B	f4
C 1029	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-9	B	f2
C 1031	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1032	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1033	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	B	d4
C 1034	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	d4
C 1035	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	d4
C 1036	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1037	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	g2
C 1038	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	g3
C 1039	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-	B	f2
C 1040	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1041	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1042	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-	B	f2
C 1043	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f4
C 1044	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1045	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C3
C 1046	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C3
C 1047	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1048	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1049	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JA01D	K22178224		1-	A	B2
C 1050	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BA01D	K22178289		1-	A	C3
C 1051	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1052	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0BA01D	K22178289		1-	B	e4
C 1053	CHIP CAP.	18pF	50V	CH	GRM1552C1H180GA01D	K22179701		1-	B	d4
C 1054	CHIP TA.CAP.	3.3uF	16V		TMCMA1C335MTRF	K78120021		1-	A	C4
C 1055	CHIP TA.CAP.	6.8uF	16V		TMCMA1C685MTRF	K78120056		1-	A	C4
C 1056	CHIP TA.CAP.	0.1uF	20V		TMCP1D104MTRF	K78130067		1-	A	D4
C 1057	CHIP CAP.	0.22uF	10V	B	GRM155B31A224KE18D	K22108808		1-	A	D4
C 1058	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D4
C 1059	CHIP CAP.	18pF	50V	CH	GRM1552C1H180GA01D	K22179701		1-	B	e4
C 1060	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	A	D3
C 1061	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	A	D3
C 1062	CHIP CAP.	0.0033uF	50V	B	GRM155B11H332KA01D	K22178815		1-	A	C3
C 1063	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	D3
C 1064	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JA01D	K22178228		1-	A	C3
C 1065	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C3
C 1066	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C3
C 1067	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	B	f4
C 1068	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1069	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1070	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JA01D	K22178224		1-	A	B2
C 1071	CHIP CAP.	120pF	50V	CH	GRM1552C1H121JA01D	K22178238		1-	A	C2
C 1074	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C2
C 1075	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B2
C 1076	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B2
C 1077	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JA01D	K22178228		1-	A	B2
C 1078	AL.ELECTRO.CAP.	22uF	25V		UWX1E220MCL1GB	K48140023		1-	A	B3
C 1079	CHIP CAP.	22pF	50V	CH	GRM1552C1H220GA01D	K22179707		1-	B	d4
C 1080	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1081	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1083	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1084	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1085	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1086	CHIP TA.CAP.	0.1uF	20V		TMCP1D104MTRF	K78130067		1-	A	D4
C 1087	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JA01D	K22178220		1-	A	C4
C 1088	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JA01D	K22178220		1-	A	D3
C 1090	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C3
C 1091	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JA01D	K22178220		1-	A	D3
C 1092	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 1093	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0BA01D	K22178294		1-	A	C3
C 1094	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JA01D	K22178212		1-	B	d3
C 1095	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D4
C 1097	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	A	D3
C 1098	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d4
C 1099	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	D4
C 1100	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	C3
C 1101	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CA01D	K22178207		1-	B	d4
C 1102	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d4
C 1103	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d4
C 1104	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	A	C3
C 1105	CHIP CAP.	4.7uF	6.3V	B	C1608X5R0J475KT	K22084805		1-	B	d3
C 1106	CHIP CAP.	4.7uF	6.3V	B	C1608X5R0J475KT	K22084805		1-	B	d3
C 1107	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	f4
C 1108	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	f4
C 1109	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	A	B2
C 1110	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1111	CHIP CAP.	120pF	50V	CH	GRM1552C1H121JA01D	K22178238		1-	A	B2
C 1112	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1115	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1115	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		5-	A	B2
C 1116	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JA01D	K22178220		1-	A	D3
C 1117	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	c3
C 1119	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c3
C 1120	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	b3
C 1121	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	c3
C 1122	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E3
C 1123	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	A	D3
C 1124	CHIP CAP.	4.7uF	4V	BJ	AMK105B475MV-F	K22068801		1-	A	D2
C 1125	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	e3
C 1126	CHIP CAP.	4.7uF	4V	BJ	AMK105B475MV-F	K22068801		1-	B	d3
C 1127	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	A	D3
C 1128	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-	B	e3
C 1129	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d3
C 1130	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1131	CHIP CAP.	0.47uF	35V	B	GMK212BJ474KG-T	K22160801		1-	A	C1
C 1132	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B2
C 1133	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C1
C 1134	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	A	C1
C 1135	CHIP CAP.	27pF	50V	CH	GRM1882C1H270JA01D	K22174221		1-	A	C2
C 1137	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-	A	C1
C 1138	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C2
C 1142	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	C1
C 1143	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C1
C 1144	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	C2
C 1145	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C2
C 1146	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1147	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 1148	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a4
C 1149	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	a4
C 1150	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	C2
C 1151	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b4
C 1152	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 1154	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JA01D	K22178228		1-	A	E3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1155	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	b3
C 1156	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b3
C 1157	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b3
C 1158	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CA01D	K22174202		1-	B	b4
C 1159	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	c3
C 1160	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	c3
C 1161	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	c3
C 1162	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	c3
C 1163	CHIP CAP.	120pF	50V	CH	GRM1552C1H121JA01D	K22178238		1-	B	c3
C 1164	CHIP CAP.	120pF	50V	CH	GRM1552C1H121JA01D	K22178238		1-	B	c3
C 1165	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1166	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1167	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1168	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1169	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1170	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E4
C 1171	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	E3
C 1172	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1173	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1174	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1175	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1176	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1177	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C1
C 1178	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b4
C 1179	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1180	CHIP CAP.	1uF	16V	B	C1608JB1C105KT	K22124813		1-	B	b2
C 1181	CHIP CAP.	8pF	50V	CH	GRM1882C1H8R0DA01D	K22174209		1-	B	b4
C 1182	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1183	CHIP CAP.	22uF	16V	B	GRM31CB31C226ME15L	K22121804		1-	B	b3
C 1184	CHIP CAP.	10pF	50V	CH	GRM1882C1H100RA01D	K22174248		1-	B	b4
C 1186	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b4
C 1187	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	c3
C 1188	CHIP CAP.	0.0056uF	25V	B	GRM155B11E562KA01D	K22148802		1-	B	c3
C 1189	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		1-	B	c3
C 1190	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	c3
C 1191	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c3
C 1192	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	c4
C 1194	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	c3
C 1195	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	c4
C 1196	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222JA01D	K22178837		1-	B	c4
C 1197	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	c4
C 1199	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	d3
C 1200	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GA01D	K22178300		1-	B	e3
C 1201	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e3
C 1202	CHIP CAP.	560pF	50V	B	GRM155B11H561KA01D	K22178806		1-	B	e3
C 1203	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	f1
C 1204	CHIP CAP.	10uF	25V	B	GRM31CB31E106KA75L	K22141815		1-	B	f1
C 1205	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f1
C 1207	CHIP CAP.	68pF	250V	C0G	GQM2195C2E680JB12D	K22240256		1-	A	E2
C 1208	AL.ELECTRO.CAP.	22uF	25V		UWX1E220MCL1GB	K48140023		1-	A	E1
C 1209	CHIP CAP.	68pF	250V	C0G	GQM2195C2E680JB12D	K22240256		1-	A	E2
C 1210	CHIP CAP.	68pF	250V	C0G	GQM2195C2E680JB12D	K22240256		1-	A	E2
C 1211	CHIP CAP.	0.47uF	35V	B	GMK212BJ474KG-T	K22160801		1-	A	D1
C 1214	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	D1
C 1215	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	A	D1
C 1216	CHIP CAP.	68pF	250V	C0G	GQM2195C2E680JB12D	K22240256		1-	A	E1
C 1217	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	b2
C 1218	CHIP CAP.	0.5pF	50V	CK	GRM1554C1HR50BA01D	K22178285		1-	B	b4
C 1219	CHIP TA.CAP.	4.7uF	16V		F931C475MAA	K78120097		1-	B	b2
C 1220	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1221	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	B	b4
C 1222	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0BA01D	K22174267		1-	B	b4
C 1223	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	b4
C 1224	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	B	b4
C 1225	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c3
C 1226	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	b4
C 1227	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	c3
C 1228	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0BA01D	K22174267		1-	B	b4
C 1229	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a4
C 1231	CHIP CAP.	0.033uF	10V	B	GRM155B11A333KA01D	K22108803		1-	B	c3
C 1232	CHIP CAP.	4.7uF	4V	BJ	AMK105BJ475MV-F	K22068801		1-	A	D3
C 1233	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	D3
C 1234	CHIP CAP.	0.0082uF	16V	B	GRM155B11C822KA01D	K22128801		1-	A	D3

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1235	CHIP CAP.	0.0027uF	50V	B	GRM155B11H272KA01D	K22178814		1-	A	D3
C 1236	CHIP CAP.	0.0082uF	16V	B	GRM155B11C822KA01D	K22128801		1-	A	D3
C 1237	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	D3
C 1238	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1239	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	D3
C 1240	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	A	D3
C 1241	CHIP CAP.	36pF	50V	CH	GRM1552C1H360JA01D	K22178225		1-	B	e3
C 1242	CHIP CAP.	0.0012uF	50V	CH	GRM1882C1H122JA01D	K22174276		1-	B	e3
C 1243	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e3
C 1244	CHIP CAP.	27pF	250V	C0G	GQM2195C2E270JB12D	K22240237		1-	A	E1
C 1245	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	E2
C 1246	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	F2
C 1249	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F3
C 1250	CHIP CAP.	15pF	630V	C0G	GRM31A5C2J150JW01D	K22281222		1-	A	F3
C 1251	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b2
C 1252	CHIP CAP.	18pF	630V	C0G	GRM31A5C2J180JW01D	K22281223		1-	A	F2
C 1253	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	b2
C 1253	CHIP TA.CAP.	10uF	16V		TMCMA1C106MTRF	K78120077		3-	B	b2
C 1254	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a2
C 1255	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a4
C 1256	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a2
C 1257	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	F3
C 1258	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	a3
C 1259	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	d3
C 1260	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	a4
C 1261	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	B	a3
C 1263	CHIP CAP.	0.5pF	50V	CK	GRM1554C1HR50BA01D	K22178285		1-	B	a4
C 1264	CHIP CAP.	220pF	50V	B	GRM188B11H221KA01D	K22174801		1-	B	a4
C 1266	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f1
C 1267	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f1
C 1268	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	f1
C 1269	CHIP CAP.	0.0056uF	25V	B	GRM155B11E562KA01D	K22148802		1-	B	d4
C 1270	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A4
C 1271	AL.ELECTRO.CAP.	470uF	16V		UVR1C471MPD	K40129108		1-	A	A3
C 1272	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	A	A4
C 1273	CHIP CAP.	0.015uF	16V	B	GRM155B11C153KA01D	K22128807		1-	A	D3
C 1274	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	D3
C 1275	CHIP CAP.	150pF	50V	CH	GRM1552C1H151JA01D	K22178240		1-	A	D3
C 1276	CHIP CAP.	560pF	50V	B	GRM155B11H561KA01D	K22178806		1-	A	D3
C 1277	CHIP CAP.	820pF	50V	B	GRM155B11H821KA01D	K22178808		1-	B	e3
C 1278	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	E3
C 1279	CHIP CAP.	47pF	50V	CH	GRM1552C1H470GA01D	K22179709		1-	B	e3
C 1280	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	e3
C 1281	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 1282	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B3
C 1283	CHIP CAP.	27pF	50V	CH	GRM1882C1H270JA01D	K22174221		1-	A	G3
C 1284	CHIP CAP.	12pF	630V	C0G	GRM31A5C2J120JW01D	K22281221		1-	A	F2
C 1286	CHIP CAP.	47pF	250V	C0G	GQM2195C2E470JB12D	K22240254		1-	A	F2
C 1287	CHIP CAP.	1pF	250V	C0G	GQM2195C2E1R0CB12D	K22240244		1-	A	G2
C 1289	CHIP CAP.	47pF	250V	C0G	GQM2195C2E470JB12D	K22240254		1-	A	F2
C 1290	CHIP CAP.	1pF	250V	C0G	GQM2195C2E1R0CB12D	K22240244		1-	A	G2
C 1291	CHIP CAP.	7pF	250V	C0G	GQM2195C2E7R0DB12D	K22240250		1-	A	G1
C 1292	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	G2
C 1293	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G2
C 1294	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CA01D	K22174204		1-	A	G2
C 1295	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b4
C 1296	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DA01D	K22174207		1-	B	a3
C 1297	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	a4
C 1298	CHIP CAP.	6pF	50V	CH	GRM1882C1H6R0DA01D	K22174207		1-	B	a3
C 1299	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1300	CHIP CAP.	220pF	50V	B	GRM188B11H221KA01D	K22174801		1-	B	a4
C 1301	CHIP CAP.	0.5pF	50V	CK	GRM1554C1HR50BA01D	K22178285		1-	B	a4
C 1302	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	B	a3
C 1303	AL.ELECTRO.CAP.	220uF	16V		EMVA160ADA221MF80G	K48120021		1-	A	A3
C 1304	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1305	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A4
C 1306	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1307	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	A	A4
C 1308	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d4
C 1309	CHIP CAP.	0.015uF	16V	B	GRM155B11C153KA01D	K22128807		1-	A	E3
C 1310	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	A	A4
C 1311	CHIP CAP.	150pF	50V	CH	GRM1552C1H151JA01D	K22178240		1-	A	E3
C 1312	CHIP CAP.	560pF	50V	B	GRM155B11H561KA01D	K22178806		1-	A	E3

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1313	CHIP CAP.	68pF	50V	CH	GRM1552C1H680JA01D	K22178232		1-	A	B3
C 1314	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	B3
C 1316	CHIP CAP.	10pF	500V	CH	1206N100J501LT	K22278209		1-	A	F1
C 1317	CHIP CAP.	1000pF	100V	CH	GRM3192C2A102JA01	K22201232		1-	A	F1
C 1318	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CA01D	K22174205		1-	A	G2
C 1320	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	B	d4
C 1321	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A4
C 1322	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	d4
C 1323	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A4
C 1324	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	A	D4
C 1325	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	A	B2
C 1326	CHIP CAP.	10uF	4V	X5R	GRM155R60G106ME44D	K22179733		1-	A	B3
C 1327	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C2
C 1328	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C1
C 1329	CHIP CAP.	0.001uF	50V	CH	GRM1882C1H102JA01D	K22174275		1-	A	C2
C 1330	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1331	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1334	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	B	d4
C 1335	CHIP CAP.	10uF	10V	B	GRM21BB31A106KE18L	K22100808		1-	A	E4
C 1336	CHIP CAP.	10uF	10V	B	GRM21BB31A106KE18L	K22100808		1-	A	D4
C 1337	CHIP CAP.	33pF	50V	CH	GRM1552C1H330JA01D	K22178224		1-	A	D3
C 1339	CHIP CAP.	68pF	250V	C0G	GQM2195C2E680JB12D	K22240256		1-	A	E1
C 1340	CHIP CAP.	10pF	50V	CH	GRM1552C1H100BA01D	K22178297		1-	B	a3
C 1341	CHIP CAP.	0.5pF	50V	CK	GRM1554C1HR50BA01D	K22178285		1-	B	a4
C 1342	CHIP CAP.	0.5pF	50V	CK	GRM1554C1HR50BA01D	K22178285		1-	B	a4
C 1343	CHIP CAP.	0.5pF	50V	CK	GRM1554C1HR50BA01D	K22178285		1-	B	d4
C 1345	CHIP CAP.	10pF	250V	C0G	GQM2195C2E100JB12D	K22240253		1-	A	F1
C 1346	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1347	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c4
C 1348	CHIP CAP.	12pF	630V	C0G	GRM31A5C2J120JW01D	K22281221		1-	A	F2
C 1350	CHIP CAP.	8pF	250V	C0G	GQM2195C2E8R0DB12D	K22240251		1-	A	G2
C 1351	CHIP CAP.	47pF	250V	C0G	GQM2195C2E470JB12D	K22240254		1-	A	E2
C 1352	CHIP CAP.	47pF	250V	C0G	GQM2195C2E470JB12D	K22240254		1-	A	E2
C 1353	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C3
C 1354	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	A4
C 1355	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	A4
C 1356	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	A4
C 1357	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		1-	B	d4
C 1358	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c4
C 1359	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-		
C 1360	CHIP CAP.	0.1uF	25V	B	GRM155B31E104KA87D	K22148838		5-	A	A4
C 1361	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		5-	B	d3
C 1362	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		10-	A	B2
C 1364	CHIP CAP.	0.47uF	10V	BJ	LMK107BJ474KA-T	K22104803		1-	A	B2
C 1364	CHIP CAP.	0.47uF	25V	X5R	GRM155R61E474KE01D	K22148840		3-	A	B2
C 1365	CHIP CAP.	0.47uF	25V	X5R	GRM155R61E474KE01D	K22148840		10-	B	f2
C 1366	CHIP CAP.	0.015uF	16V	B	GRM155B11C153KA01D	K22128807		10-	A	C3
CD1001	CERAMIC DISC				JTBM450CX7	H7901520		1-	A	E3
CF1001	CERAMIC FILTER				LTM450FW-A	H3900572A		1-	A	E4
CF1002	CERAMIC FILTER				LTM450GW-A	H3900573A		1-	A	E4
D 1001	DIODE				UDZS TE-17 6.8B	G2070888		1-	A	B1
D 1002	DIODE				VMZ6.8NT2L	G2071222		1-	B	f1
D 1003	SURGE ABSORBER				P6KE18AHE3/54	Q9001010		1-	A	A1
D 1004	DIODE				1SS400 TE61	G2070634		1-	B	f2
D 1005	DIODE				1SS400 TE61	G2070634		1-	B	g3
D 1006	DIODE				DA221M T2L	G2070940		1-	B	g4
D 1007	DIODE				DAN235E TL	G2070612		1-	A	C3
D 1008	DIODE				1SS390	G2071226		1-	B	d3
D 1009	DIODE				DA221M T2L	G2070940		1-	A	D4
D 1010	DIODE				1SS390	G2071226		1-	B	e4
D 1012	DIODE				1SV323(TPH3.F)	G2071006		1-	B	d4
D 1013	DIODE				DA221M T2L	G2070940		1-	B	c3
D 1014	DIODE				1SS400 TE61	G2070634		1-	A	E4
D 1015	DIODE				1SS400 TE61	G2070634		1-	A	E4
D 1016	DIODE				DA221M T2L	G2070940		1-	B	f4
D 1017	DIODE				1SS400 TE61	G2070634		1-	A	E4
D 1018	DIODE				1SS400 TE61	G2070634		1-	A	E4
D 1019	DIODE				1SS400 TE61	G2070634		1-	B	d3
D 1020	DIODE				DA221M T2L	G2070940		1-	B	c4
D 1021	DIODE				DA221M T2L	G2070940		1-	B	c4
D 1022	DIODE				1SV305(TPH3)	G2070942		1-	B	b4
D 1023	DIODE				1SV305(TPH3)	G2070942		1-	B	b4
D 1024	DIODE				1SS400 TE61	G2070634		1-	B	a3

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
D 1025	DIODE				1SV305(TPH3)	G2070942		1-	B	a4
D 1026	DIODE				JDP2S12CR	G2071416		1-	A	F2
D 1027	DIODE				JDP2S12CR	G2071416		1-	A	F3
D 1028	DIODE				JDP2S12CR	G2071416		1-	A	G3
D 1029	DIODE				1SV305(TPH3)	G2070942		1-	B	a4
D 1030	DIODE				UDZS TE-17 9.1B	G2070868		1-	B	a3
D 1031	DIODE				1SS400 TE61	G2070634		1-	A	A4
D 1032	DIODE				DA221M T2L	G2070940		1-	A	D4
D 1033	DIODE				DAN222 TL	G2070174		1-	A	D4
D 1034	DIODE				1SS400 TE61	G2070634		1-	A	B4
D 1035	DIODE				1SS321(TE85R.F)	G2070076		1-	A	G2
D 1036	DIODE				JDP2S12CR	G2071416		1-	B	a3
D 1037	DIODE				CDZT2R10B	G2071410		1-	A	B3
D 1038	DIODE				1SS390	G2071226		1-	B	d4
D 1039	DIODE				1SV323(TPH3.F)	G2071006		1-	A	C3
F 1001	CHIP FUSE	0.5A			FCC16 501ABTP	Q0000111		1-	A	A1
FB1001	FERRITE BEADS				BLM18PG121SN1D	L9190178		1-	A	A1
FB1002	FERRITE BEADS				BLM18PG121SN1D	L9190178		1-	A	A1
FB1003	FERRITE BEADS				SMB304729	L9190094		1-	A	A1
FB1004	FERRITE BEADS				SMB304729	L9190094		1-	A	B1
FB1005	FERRITE BEADS				SMB304729	L9190094		1-	A	B2
FB1006	FERRITE BEADS				BLM15AG121SN1D	L1690843		1-	B	f1
FB1007	FERRITE BEADS				BLM15AG121SN1D	L1690843		1-	B	f1
FB1008	FERRITE BEADS				SMB304729	L9190094		1-	A	E1
FB1009	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	f1
FB1010	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	f1
HS1001	HEATSINK PLATE				(7X2.5)	RA6086800		1-	B	e2
J 1001	CONNECTOR				MCT-303-C5SSA-B1	P1091396		1-	A	A1
J 1002	CONNECTOR				32FLT-SM2-TB(LF)(SN)(M)	P1091258		1-	A	D4
J 1003	CONNECTOR				B2B-ZR(LF)(SN)	P0090647		1-	A	B1
J 1004	CONNECTOR				LJE0357-B	P1091602		1-	A	B1
J 1005	TERMINAL				NC-0.5-3.2-T	S5000327		1-	A	C3
J 1006	CONNECTOR				AXK6F24547YG	P0091557		1-	A	B3
L 1001	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	f3
L 1002	M.RFC	6.8uH			LK1608 6R8K-T	L1690632		1-	B	f4
L 1003	M.RFC	0.047uH			LL1608-FSL47NJ	L1690367		1-	A	C3
L 1004	M.RFC	0.082uH			LL1608-FSL82NJ	L1690872		1-	A	C3
L 1005	M.RFC	0.047uH			LL1608-FSL47NJ	L1690367		1-	A	C3
L 1006	CHIP COIL	0.39uH		2%	LQW18ANR39G00D	L1691786		1-	B	d4
L 1007	M.RFC	0.15uH			LK1608 R15K-T	L1690409		1-	B	d3
L 1008	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	D3
L 1009	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	D3
L 1010	CHIP COIL	0.12uH		2%	LQW18ANR12G00D	L1690893		1-	A	B2
L 1011	COIL				E2 0.3-0.9-7T-R	L0022371		1-	A	B2
L 1012	CHIP COIL	0.033uH		2%	LQW18AN33NG00D	L1690886		1-	B	d4
L 1013	CHIP COIL	0.39uH		2%	LQW18ANR39G00D	L1691786		1-	B	e4
L 1014	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	d4
L 1015	CHIP COIL	0.39uH		2%	LQW18ANR39G00D	L1691786		1-	A	D4
L 1016	CHIP COIL	0.022uH		2%	LQW18AN22NG00D	L1690884		1-	B	e4
L 1017	M.RFC	0.47uH		10%	LK1005 R47K-T	L1691714		1-	B	d4
L 1018	M.RFC	1uH		10%	LK1005 1R0K-T	L1691715		1-	B	d4
L 1019	CHIP COIL	0.027uH		2%	LQW18AN27NG00D	L1690885		1-	A	B2
L 1022	COIL				E2 0.3-1.7-8T-L	L0022376		1-	A	C1
L 1024	M.RFC	0.39uH			LK1608 R39K-T	L1690413		1-	B	c3
L 1025	CHIP COIL	1uH		5%	LQW21HN1R0J00L	L1691864		1-	B	b4
L 1026	CHIP COIL	0.1uH		2%	LQW18ANR10G00D	L1690892		1-	B	b4
L 1027	COIL	0.047uH			AS100747-47N	L0022548		1-	A	E1
L 1028	COIL	0.015uH			TAS1203-15NK	L0023106		1-	A	E1
L 1029	CHIP COIL	1uH		5%	LQW21HN1R0J00L	L1691864		1-	B	a4
L 1030	CHIP COIL	0.1uH		2%	LQW18ANR10G00D	L1690892		1-	B	a4
L 1031	COIL	0.212uH			ASs051047-212NJ	L0022834		1-	A	F3
L 1032	COIL	0.039uH			AS1006-39NK	L0022547		1-	A	F3
L 1033	CHIP COIL	0.082uH		2%	LQW18AN82NG00D	L1690891		1-	B	a4
L 1034	COIL	0.047uH			TAS0805-47NK	L0023104		1-	A	F3
L 1035	COIL	0.033uH			AS100547-33N	L0022546		1-	A	F2
L 1036	COIL	0.033uH			AS100547-33N	L0022546		1-	A	G2
L 1037	COIL	0.033uH			AS100547-33N	L0022546		1-	A	G1
L 1038	CHIP COIL	0.082uH		2%	LQW18AN82NG00D	L1690891		1-	B	a3
L 1039	CHIP COIL	0.022uH		2%	LQW18AN22NG00D	L1690884		1-	B	a3
L 1041	COIL	0.012uH			AS080336-12N	L0022810		1-	A	F1
Q 1001	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	g4
Q 1002	IC				R1EX24512BTAS0I	G1094992		1-	B	e4
Q 1003	FET				RTQ030P02	G4070015		1-	B	f2

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
Q 1004	FET				RTM002P02(TAPE)	G3070347		1-	B	f1
Q 1005	FET				2SK3541 T2L	G3835417		1-	B	f1
Q 1006	TRANSISTOR				DTC143EE TL	G3070114		1-	B	f2
Q 1007	IC				BA08CC0FP-E2	G1095226		1-	B	g2
Q 1008	IC				S-812C50AUA-C3E-T2G	G1093652		1-	B	g2
Q 1009	IC				NJM2370U33-TE1	G1094564		1-	B	f3
Q 1010	IC				NJM2831F33-TE1	G1094632		1-	B	g2
Q 1011	TRANSISTOR				2SC5646A(TAPE)	G3356468		1-	B	f4
Q 1012	IC				XC61GN3302HR-G	G1095116		1-	B	g3
Q 1013	IC				R5F61653RN50FPV	G1095228		1-	B	f4
Q 1014	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d4
Q 1015	TRANSISTOR				2SC5006-T1-A/YFB	G3350068		1-	A	C3
Q 1016	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	C4
Q 1017	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	C4
Q 1018	FET				RSE002P03TL	G3070472		1-	B	f2
Q 1019	TRANSISTOR				FMMTL718TA	G3070335		1-	B	f2
Q 1020	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	f2
Q 1021	TRANSISTOR				DTC143ZE TL	G3070102		1-	B	f2
Q 1022	TRANSISTOR				2SC5226A-5-TL-E	G3070417		1-	A	C3
Q 1023	TRANSISTOR				2SC5006-T1-A/YFB	G3350068		1-	B	e3
Q 1024	TRANSISTOR				2SC5006-T1-A/YFB	G3350068		1-	B	d4
Q 1025	FET				RD00HVS1	G3070478		1-	A	B2
Q 1026	IC				MB15A01PFV1-G-BND-EFE1	G1092545		1-	A	D3
Q 1027	TRANSISTOR				2SC4915-O(TE85L.F)	G3349158O		1-	B	d4
Q 1028	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	C3
Q 1029	IC				R2A20178NP	G1094776		1-	B	d3
Q 1030	FET				2SK3476(TE12L.Q)	G3834768		1-	A	B2
Q 1030	FET				NE5550979A	G3070465		10-	A	B2
Q 1031	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	b3
Q 1032	IC				NJM2591V-TE1	G1094024		1-	B	c3
Q 1033	TRANSISTOR				DTC143ZE TL	G3070102		1-	B	b4
Q 1034	TRANSISTOR				UMD5N TR	G3070343		1-	B	b4
Q 1035	TRANSISTOR				2SC5006-T1-A/YFB	G3350068		1-	B	c3
Q 1036	TRANSISTOR				UMG2N TR	G3070088		1-	B	g1
Q 1037	TRANSISTOR				DTC144EM T2L	G3070309		1-	B	g1
Q 1038	FET				3SK293(TE85L.F)	G4802938A		1-	B	b4
Q 1039	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	c3
Q 1040	FET				2SJ145-T111-1D	G3701458		1-	B	c3
Q 1041	TRANSISTOR				DTC143ZE TL	G3070102		1-	B	e3
Q 1042	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	f1
Q 1043	FET				RD70HUF2	G3090157		1-	B	d2
Q 1044	IC				TS3A24159DGSRG4	G1094892		1-	B	c3
Q 1045	FET				2SJ145-T111-1D	G3701458		1-	B	c3
Q 1046	FET				3SK293(TE85L.F)	G4802938A		1-	B	a3
Q 1047	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d4
Q 1048	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	D4
Q 1049	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	E3
Q 1050	IC				TS3USB221ERSER	G1095090		1-	A	B3
Q 1051	FET				2SK3541 T2L	G3835417		1-	A	B3
Q 1052	IC				NJM2125F-TE1	G1093894		1-	B	a4
Q 1054	TRANSISTOR				DTC143EE TL	G3070114		1-	A	A4
Q 1055	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	d4
Q 1056	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	A4
Q 1057	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	D4
Q 1058	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	D4
Q 1059	FET				RZM002P02	G3070432		1-	B	e3
Q 1060	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	E3
Q 1061	TRANSISTOR				EMD12 T2R	G3070341		1-	A	B3
Q 1062	TRANSISTOR				DTC144EE TL	G3070075		1-	A	B4
Q 1063	IC				LM2904PWR	G1094010		1-	A	C3
Q 1064	IC				LM2902PWR	G1094009		1-	B	e3
Q 1065	IC				LM2904PWR	G1094010		1-	B	a2
Q 1066	IC				LM2904PWR	G1094010		1-	A	D3
Q 1067	IC				LM2902PWR	G1094009		1-	A	D3
Q 1068	IC				LM2904PWR	G1094010		1-	A	B3
Q 1069	IC				LA4425PV-TLM-H	G1095230		1-	A	A4
Q 1070	FET				2SJ145-T111-1D	G3701458		1-	B	d4
Q 1071	FET				2SK3541 T2L	G3835417		5-4	B	d4
Q 1072	TRANSISTOR				DTC144EE TL	G3070075		10-	B	f2
R 1001	CHIP RES.	18k	1/16W	1%	RMC1/16SK183FTH	J24189523		1-	A	A1
R 1004	CHIP RES.	33k	1/16W	1%	RMC1/16SK333FTH	J24189494		1-	A	A1
R 1005	CHIP RES.	22	1/16W	0.5%	RR0510R-220-D	J24189079		1-	B	f1
R 1006	CHIP RES.	22	1/16W	0.5%	RR0510R-220-D	J24189079		1-	B	f1

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1007	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	g4
R 1008	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e4
R 1009	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	g4
R 1010	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	e4
R 1011	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1012	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1013	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1014	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1015	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1016	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1017	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1018	CHIP RES.	1.5k	1/16W	0.5%	RR0510P-152-D	J24189123		1-	B	f1
R 1019	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f2
R 1021	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	f2
R 1022	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	f1
R 1023	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	f1
R 1024	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	f3
R 1025	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	g3
R 1026	CHIP RES.	27k	1/16W	0.5%	MCR01MZPD2702	J24189379		1-	B	g3
R 1027	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	f4
R 1028	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f4
R 1029	CHIP RES.	15k	1/16W	0.5%	MCR01MZPD1502	J24189376		1-	B	g3
R 1030	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1031	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1032	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1034	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1035	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1036	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1037	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 1038	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	C3
R 1039	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	C3
R 1040	CHIP RES.	8.2k	1/16W	5%	RMC1/16S 822JTH	J24189036		1-	B	d4
R 1041	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d4
R 1042	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C3
R 1043	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	C3
R 1044	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	g2
R 1045	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f2
R 1046	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f2
R 1047	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f2
R 1048	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f2
R 1049	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f2
R 1050	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1051	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1052	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1053	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1054	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1055	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	C3
R 1056	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	A	C3
R 1057	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C3
R 1058	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		1-	A	C3
R 1059	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	C3
R 1060	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		1-	A	C2
R 1060	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		3-	A	C2
R 1061	CHIP RES.	180	1/16W	5%	RMC1/16S 181JTH	J24189016		1-	A	B2
R 1062	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 1063	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	d3
R 1064	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	e3
R 1065	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	d4
R 1066	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	A	C4
R 1067	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	D4
R 1067	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		3-	A	D4
R 1068	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D4
R 1069	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	A	D4
R 1070	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D4
R 1071	CHIP RES.	680	1/16W	0.5%	RR0510P-681-D	J24189115		1-	B	e4
R 1072	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D4
R 1073	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D4
R 1074	CHIP RES.	680k	1/16W	5%	RMC1/16S 684JTH	J24189059		1-	A	D4
R 1076	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C3
R 1078	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C3
R 1079	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	B	g4
R 1080	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e4
R 1081	CHIP RES.	68k	1/16W	0.5%	MCR01MZPD6802	J24189384		1-	B	g4

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REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1082	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e4
R 1083	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e3
R 1084	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e3
R 1085	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e3
R 1086	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e3
R 1087	CHIP RES.	180	1/16W	5%	RMC1/16S 181JTH	J24189016		1-	A	B2
R 1088	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C2
R 1089	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C2
R 1091	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	A	B2
R 1092	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	B2
R 1092	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		10-	A	B2
R 1093	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	C2
R 1093	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		10-	A	C2
R 1094	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B2
R 1095	CHIP RES.	15k	1/16W	0.5%	RR0510R-153-D	J24189147		1-	B	d4
R 1096	CHIP RES.	22k	1/16W	0.5%	RR0510R-223-D	J24189151		1-	B	d4
R 1097	CHIP RES.	1k	1/16W	0.5%	RR0510P-102-D	J24189119		1-	B	e4
R 1099	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	d4
R 1100	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1102	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d4
R 1103	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D3
R 1104	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D3
R 1105	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D3
R 1106	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C3
R 1107	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	d3
R 1108	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d4
R 1109	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	A	D4
R 1110	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	A	C3
R 1111	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C3
R 1112	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	d4
R 1113	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D3
R 1114	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C2
R 1115	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	A	D3
R 1116	CHIP RES.	1M	1/16W	1%	MCR01MZSF1004	J24189333		1-	A	C2
R 1117	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f4
R 1118	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f4
R 1119	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	f4
R 1121	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	B2
R 1123	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B2
R 1124	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B2
R 1124	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		10-	A	B2
R 1125	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	B2
R 1125	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		3-	A	B2
R 1126	CHIP RES.	12k	1/16W	0.5%	RR0510R-123-D	J24189145		1-	B	d3
R 1127	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	C3
R 1128	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1129	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1130	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	D3
R 1132	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d4
R 1133	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c3
R 1134	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b3
R 1135	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b4
R 1136	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 1137	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	A	C3
R 1138	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C3
R 1139	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1140	CHIP RES.	33k	1/16W	0.5%	MCR01MZPD3302	J24189380		1-	A	C3
R 1141	CHIP RES.	220k	1/16W	0.5%	MCR01MZPD2203	J24189389		1-	A	D3
R 1142	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D2
R 1143	CHIP RES.	1M	1/16W	1%	RMC1/16SK105FTH	J24189541		1-	A	C2
R 1144	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e3
R 1145	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-8	B	d3
R 1145	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		9-	B	d3
R 1147	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d3
R 1148	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-8	B	d3
R 1148	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		9-	B	d3
R 1149	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-8	B	d3
R 1149	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		9-	B	d3
R 1150	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C2
R 1152	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C2
R 1153	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	c3
R 1154	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	b3
R 1155	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	b4

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1156	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c3
R 1157	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b3
R 1158	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 1159	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	B	b3
R 1160	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	B	b4
R 1161	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	c3
R 1162	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c3
R 1163	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	c3
R 1164	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E4
R 1165	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E4
R 1166	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E4
R 1167	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E4
R 1168	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E3
R 1169	CHIP RES.	56k	1/16W	0.5%	RR0510R-563-D	J24189161		1-	B	e3
R 1170	CHIP RES.	100k	1/16W	0.5%	RR0510R-104-D	J24189167		1-	B	e3
R 1171	CHIP RES.	18k	1/16W	0.5%	RR0510R-183-D	J24189149		1-	B	e3
R 1171	CHIP RES.	15k	1/16W	0.5%	RR0510R-153-D	J24189147		5-	B	e3
R 1172	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d3
R 1173	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e3
R 1174	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e3
R 1175	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-		
R 1176	CHIP RES.	82k	1/16W	0.5%	RR0510R-823-D	J24189165		1-	B	e3
R 1177	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g1
R 1178	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	g1
R 1179	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D4
R 1181	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C1
R 1182	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C1
R 1183	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C1
R 1184	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C1
R 1185	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1186	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1187	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1188	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1189	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1190	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1191	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1192	CHIP RES.	12	1/16W	5%	RMC1/16S 120JTH	J24189002		1-	A	C2
R 1193	CHIP RES.	47	1/16W	1%	RMC1/16 470FTP	J24183470		1-	A	C2
R 1194	CHIP RES.	47	1/16W	1%	RMC1/16 470FTP	J24183470		1-	A	C2
R 1195	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b4
R 1196	CHIP RES.	47	1/16W	1%	RMC1/16 470FTP	J24183470		1-	A	C1
R 1197	CHIP RES.	47	1/16W	1%	RMC1/16 470FTP	J24183470		1-	A	C1
R 1198	CHIP RES.	39k	1/16W	1%	RMC1/16 393FTP	J24183393		1-	A	C2
R 1199	CHIP RES.	39k	1/16W	1%	RMC1/16 393FTP	J24183393		1-	A	C2
R 1199	CHIP RES.	33k	1/16W	1%	RMC1/16 333FTP	J24183333		3-	A	C2
R 1200	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b4
R 1202	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b4
R 1203	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 1204	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b4
R 1205	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c3
R 1206	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b4
R 1207	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	b4
R 1208	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	b4
R 1209	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1210	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	c3
R 1211	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	c3
R 1212	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c3
R 1214	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c3
R 1215	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1216	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c3
R 1217	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	c4
R 1218	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	c4
R 1219	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c4
R 1220	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d3
R 1221	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e3
R 1222	CHIP RES.	4.7k	1/16W	0.5%	RR0510P-472-D	J24189135		1-	B	e3
R 1223	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	e3
R 1225	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e3
R 1226	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	f1
R 1227	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	B	f1
R 1228	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	B	f1
R 1229	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	B	f1
R 1230	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	B	f1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1231	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 1232	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b2
R 1233	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	b2
R 1234	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 1235	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 1236	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	a4
R 1237	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	b2
R 1238	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	a4
R 1239	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	a4
R 1240	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	c3
R 1241	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	b4
R 1242	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	b4
R 1243	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c3
R 1244	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	d3
R 1245	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	d3
R 1246	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c3
R 1247	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D3
R 1248	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	A	D3
R 1249	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	A	D3
R 1250	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1251	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	A	D3
R 1252	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	D3
R 1253	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e3
R 1254	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1255	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e3
R 1256	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	B	e3
R 1257	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D3
R 1258	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D3
R 1259	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	D3
R 1260	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e3
R 1261	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e3
R 1262	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e3
R 1263	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F3
R 1264	CHIP RES.	47	1W	5%	RMC1 470JTE	J24305470		1-	A	F3
R 1265	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 1266	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	B	a4
R 1267	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	a3
R 1268	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 1269	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	a2
R 1270	CHIP RES.	82	1/16W	5%	RMC1/16S 820JTH	J24189012		1-	B	a3
R 1272	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	d3
R 1273	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	a3
R 1274	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	d4
R 1275	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1276	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a4
R 1277	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	d4
R 1278	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c3
R 1279	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	d4
R 1280	CHIP RES.	1	1/10W	5%	RMC1/10T 1R0J	J24205010		1-	B	f1
R 1281	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	A	A4
R 1282	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1283	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1284	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D4
R 1285	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D4
R 1286	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D4
R 1287	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	A	D3
R 1288	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	D3
R 1289	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	e3
R 1290	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	D3
R 1291	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-8	B	e3
R 1291	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		9-	B	e3
R 1293	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	E3
R 1294	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	E3
R 1295	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C3
R 1296	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	G2
R 1297	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a4
R 1298	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	B	b4
R 1299	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	B	b4
R 1300	CHIP RES.	820k	1/16W	0.5%	MCR01MZPD8203	J24189336		1-	B	b4
R 1301	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a4
R 1303	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	a3
R 1304	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	B	d4
R 1305	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d4

MAIN Unit

Parts List

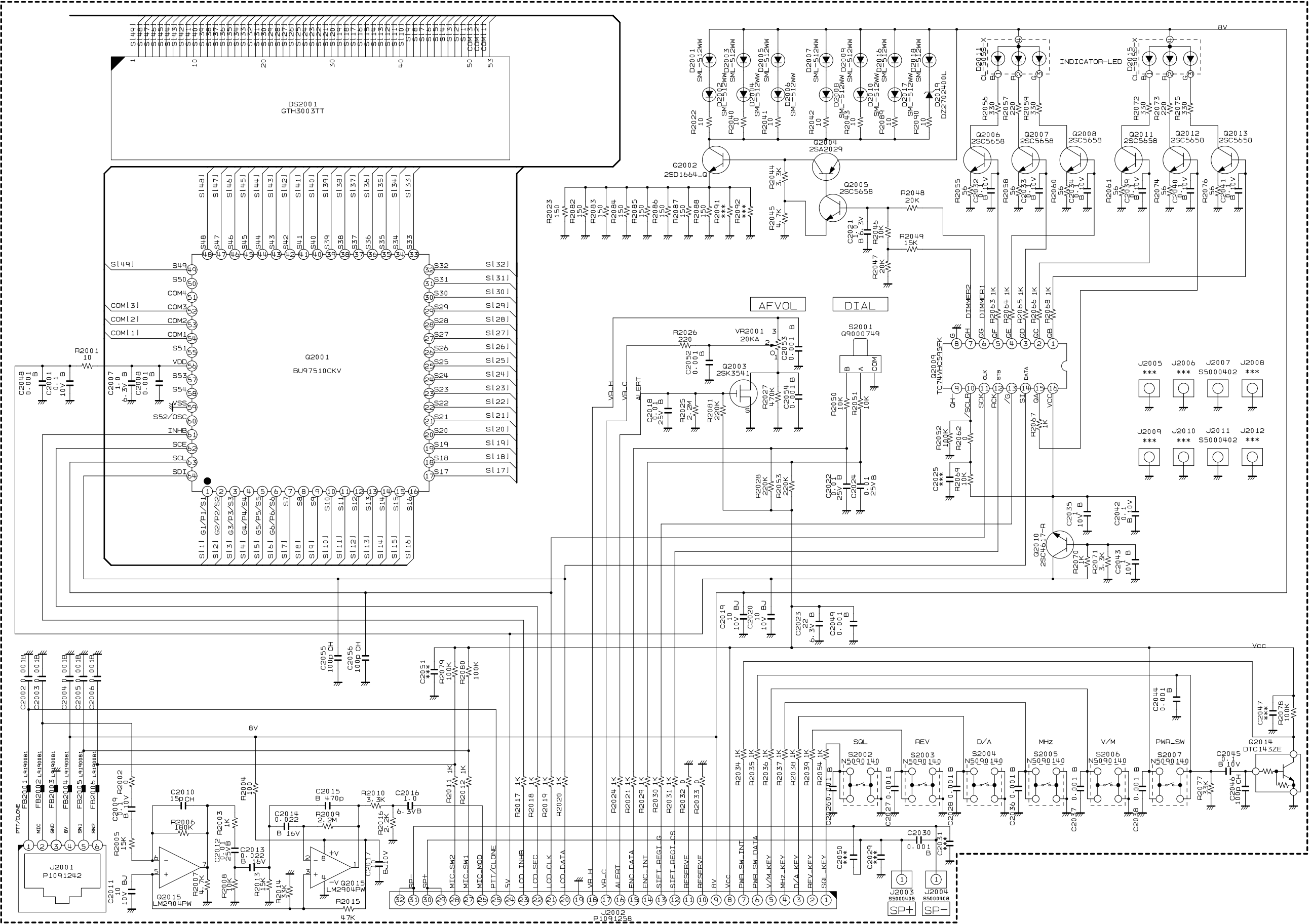
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1306	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	A	A4
R 1307	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d4
R 1308	CHIP RES.	0.33	1W	10%	RMC1 R33KATE	J24309001		1-	A	A3
R 1309	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	A4
R 1310	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	A4
R 1311	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1312	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	A4
R 1313	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	A4
R 1314	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	D4
R 1315	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e3
R 1316	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	E3
R 1317	CHIP RES.	180k	1/16W	0.5%	MCR01MZPD1803	J24189388		1-	A	B3
R 1318	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1319	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B3
R 1320	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B3
R 1321	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1322	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B3
R 1324	CHIP RES.	220k	1/16W	0.5%	MCR01MZPD2203	J24189389		1-	A	B3
R 1325	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C4
R 1326	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B3
R 1327	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	B3
R 1328	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	B3
R 1329	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	G2
R 1330	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	G3
R 1331	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	A4
R 1332	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	A4
R 1333	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D4
R 1334	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D4
R 1335	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D4
R 1336	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	B2
R 1337	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	D4
R 1338	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	B3
R 1339	CHIP RES.	8.2	1/16W	5%	RMC1/16S 8R2JTH	J24189069		1-	A	C2
R 1340	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d3
R 1341	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	B	c3
R 1342	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e3
R 1343	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	B	d3
R 1344	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D5
R 1345	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c4
R 1346	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c3
R 1347	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D3
R 1349	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C3
R 1350	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C3
R 1351	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D4
R 1352	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D3
R 1353	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C3
R 1354	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-	A	C2
R 1357	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	B	f1
R 1358	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	B	f1
R 1359	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	A4
R 1360	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	A4
R 1361	CHIP RES.	3.3k	1/16W	0.5%	RR0510P-332-D	J24189131		1-	B	e4
R 1362	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c4
R 1363	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	d4
R 1364	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-		
R 1365	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		5-	B	d4
R 1366	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		5-	B	d4
R 1367	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		5-	B	d4
R 1368	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		5-4	B	d4
R 1369	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		5-	B	c3
R 1371	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		5-9	B	c4
RB1001	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f4
RB1002	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f3
RB1003	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f3
RB1004	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f3
RB1005	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f4
RB1006	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f4
RB1007	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f3
RB1008	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f4
RB1009	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	e4
RB1010	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	e4
RB1011	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	e4
RB1012	BLOCK RES.				MNR04M0ABJ102	J42900039		1-	B	f3

MAIN Unit

Parts List

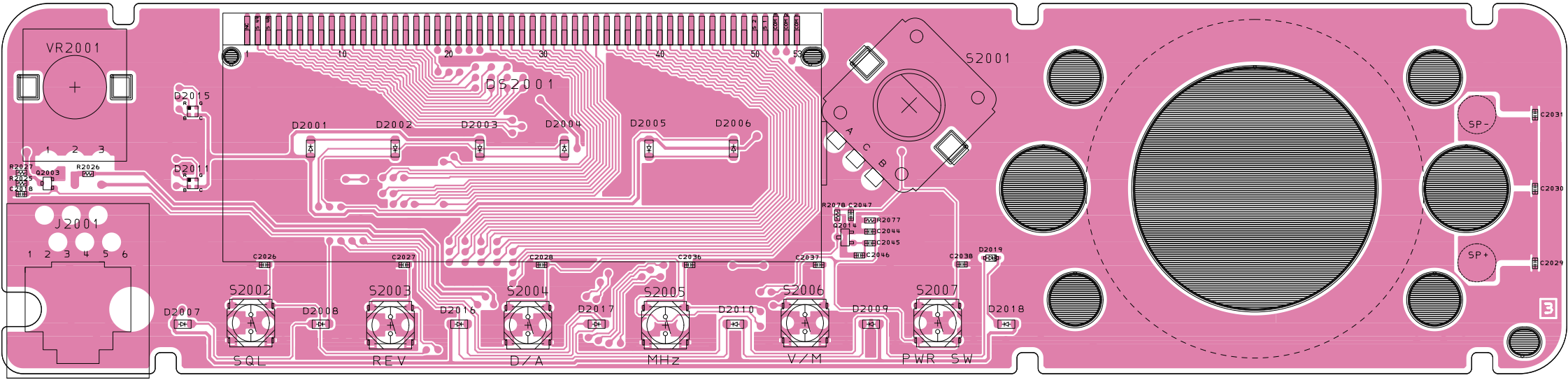
[illegible]

PANEL Unit
Circuit Diagram

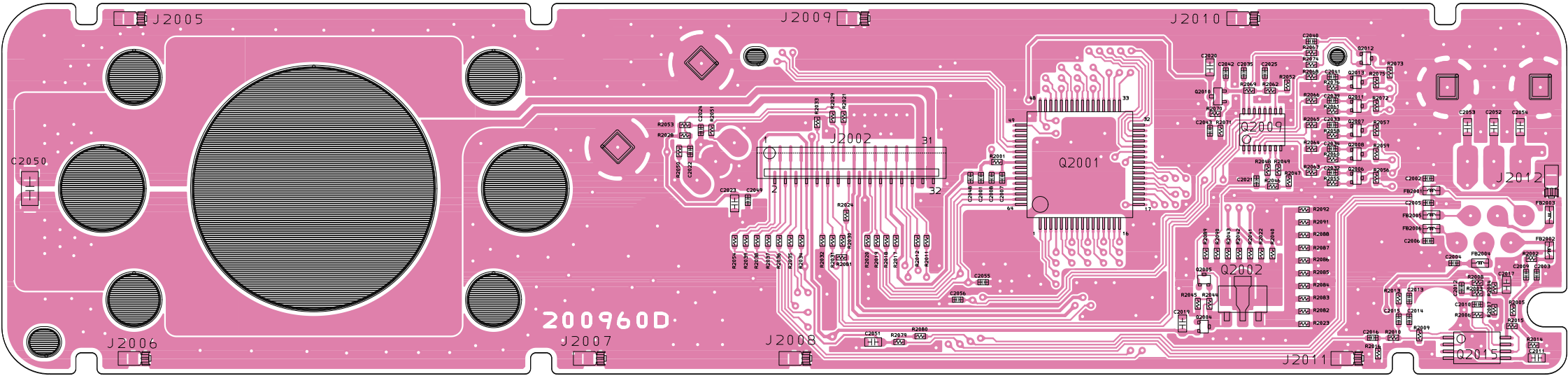


PANEL-1

Parts Layout



Side A



Side B

PANEL Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 2001	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 2002	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	g1
C 2003	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	h2
C 2004	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	g2
C 2005	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	g1
C 2006	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	g2
C 2007	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e1
C 2008	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	e1
C 2009	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	h2
C 2010	CHIP CAP.	15pF	50V	CH	GRM1552C1H150GA01D	K22178300		1-	B	g2
C 2011	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	B	h2
C 2012	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	g2
C 2013	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	B	g2
C 2014	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	B	g2
C 2015	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-	B	g2
C 2016	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	g2
C 2017	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	B	h2
C 2018	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A1
C 2019	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	B	f2
C 2020	CHIP CAP.	10uF	10V	BJ	LMK107BBJ106MALT	K22104809		1-	B	f1
C 2021	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	f1
C 2022	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 2023	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-	B	d1
C 2024	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 2026	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	B2
C 2027	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	B2
C 2028	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	C2
C 2030	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	H1
C 2032	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g1
C 2033	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g1
C 2034	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g1
C 2035	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	f1
C 2036	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	D2
C 2037	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	D2
C 2038	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	E2
C 2039	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g1
C 2040	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g1
C 2041	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g1
C 2042	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f1
C 2043	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-	B	f1
C 2044	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	A	E2
C 2045	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	E2
C 2046	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	A	E2
C 2048	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	e1
C 2049	CHIP CAP.	0.001uF	50V	B	UMK105B102KW-F	K22178829		1-	B	d1
C 2052	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	h1
C 2053	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	g1
C 2054	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	h1
C 2055	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	e2
C 2056	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	e2
D 2001	LED				SML-512WWT86	G2071104		1-	A	B1
D 2002	LED				SML-512WWT86	G2071104		1-	A	B1
D 2003	LED				SML-512WWT86	G2071104		1-	A	C1
D 2004	LED				SML-512WWT86	G2071104		1-	A	C1
D 2005	LED				SML-512WWT86	G2071104		1-	A	D1
D 2006	LED				SML-512WWT86	G2071104		1-	A	D1
D 2007	LED				SML-512WWT86	G2071104		1-	A	A2
D 2008	LED				SML-512WWT86	G2071104		1-	A	B2
D 2009	LED				SML-512WWT86	G2071104		1-	A	E2
D 2010	LED				SML-512WWT86	G2071104		1-	A	D2
D 2011	LED				CL-505S-X-SD-T	G2071562		1-	A	A1
D 2015	LED				CL-505S-X-SD-T	G2071562		1-	A	A1
D 2016	LED				SML-512WWT86	G2071104		1-	A	C2
D 2017	LED				SML-512WWT86	G2071104		1-	A	C2
D 2018	LED				SML-512WWT86	G2071104		1-	A	E2
D 2019	DIODE				DZ2702400L	G2071544		1-	A	E2
FB2001	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	g1
FB2002	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	h2
FB2003	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	h2
FB2004	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	g2
FB2005	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	g2
FB2006	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	g2
J 2001	CONNECTOR				MJD0606KX06L	P1091242		1-	A	A2

PANEL Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
J 2002	CONNECTOR				32FLT-SM2-TB(LF)(SN)(M)	P1091258		1-	B	e1
J 2007	CONTACT				IPS-4099T-01Y900	S5000402		1-	B	c2
J 2011	CONTACT				IPS-4099T-01Y900	S5000402		1-	B	g2
Q 2001	IC				BU97510CKV-ME2	G1095214		1-	B	f1
Q 2002	TRANSISTOR				2SD1664 T100 Q	G3416647Q		1-	B	f2
Q 2003	FET				2SK3541 T2L	G3835417		1-	A	A1
Q 2004	TRANSISTOR				2SA2029 T2L Q/R	G3120298		1-	B	f2
Q 2005	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	f2
Q 2006	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	g1
Q 2007	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	g1
Q 2008	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	g1
Q 2009	IC				TC74VHC595FK(EL,K)	G1094552		1-	B	f1
Q 2010	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	f1
Q 2011	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	g1
Q 2012	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	g1
Q 2013	TRANSISTOR				2SC5658 T2L Q/R	G3356588		1-	B	g1
Q 2014	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	D2
Q 2015	IC				LM2904PWR	G1094010		1-	B	g2
R 2001	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	e1
R 2002	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	h2
R 2003	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g2
R 2004	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	h2
R 2005	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	h2
R 2006	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	B	g2
R 2007	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	h2
R 2008	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	g2
R 2009	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	B	g2
R 2010	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	g2
R 2011	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2012	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2013	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	g2
R 2014	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	h2
R 2015	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	h2
R 2016	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	g2
R 2017	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2018	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2019	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2020	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2021	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d1
R 2022	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f2
R 2023	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2024	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2025	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	A	A1
R 2026	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	A1
R 2027	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	A1
R 2028	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	d1
R 2029	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d1
R 2030	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2031	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2032	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d2
R 2033	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d1
R 2034	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2035	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2036	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2037	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2038	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2039	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2040	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	g2
R 2041	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f2
R 2042	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f2
R 2043	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f2
R 2044	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	f2
R 2045	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	f2
R 2046	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	g1
R 2047	CHIP RES.	20k	1/16W	5%	RMC1/16S 203JTH	J24189455		1-	B	g1
R 2048	CHIP RES.	20k	1/16W	5%	RMC1/16S 203JTH	J24189455		1-	B	f1
R 2049	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	g1
R 2050	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d1
R 2051	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d1
R 2052	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	g1
R 2053	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	d1
R 2054	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2055	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	B	g1

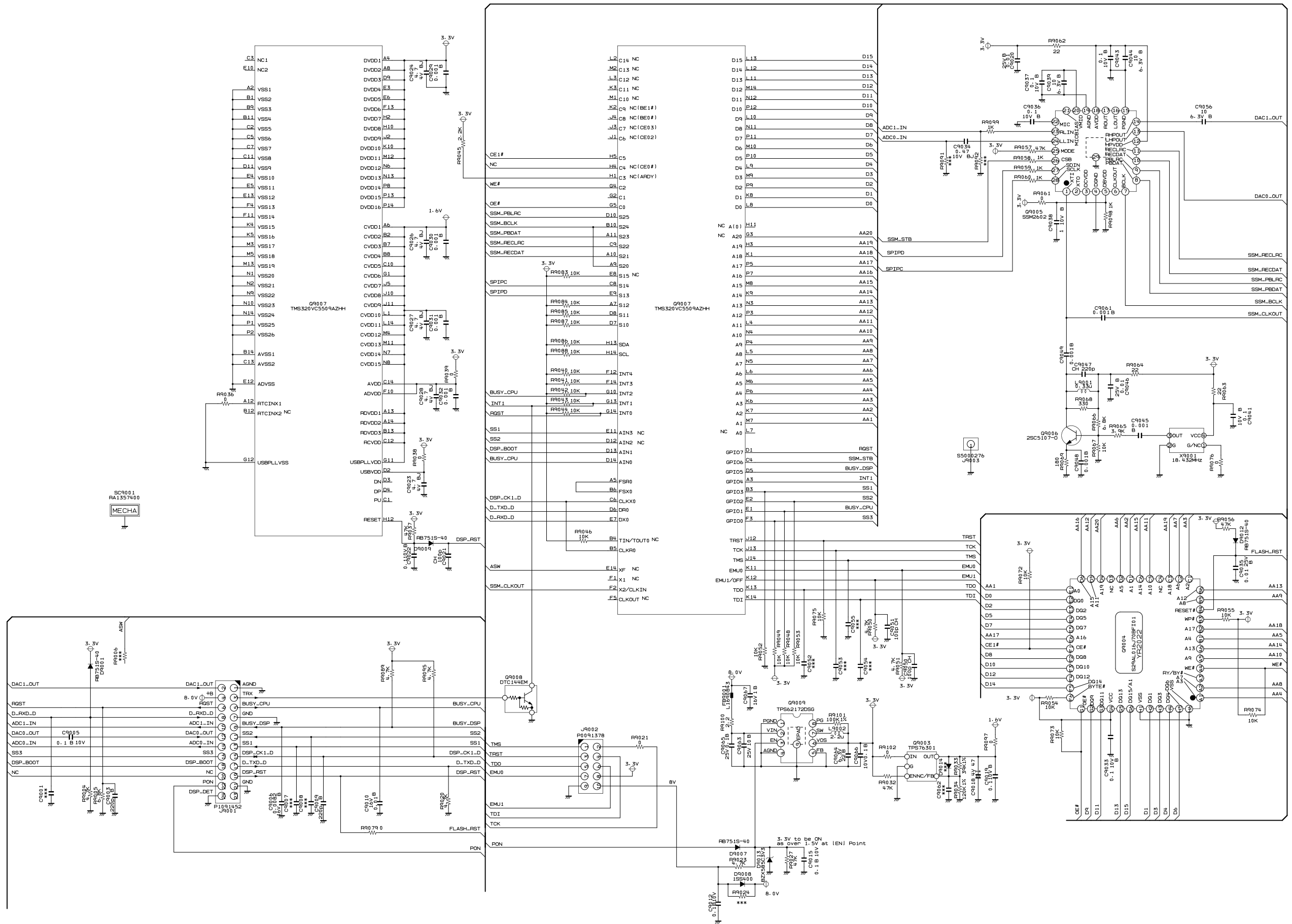
PANEL Unit

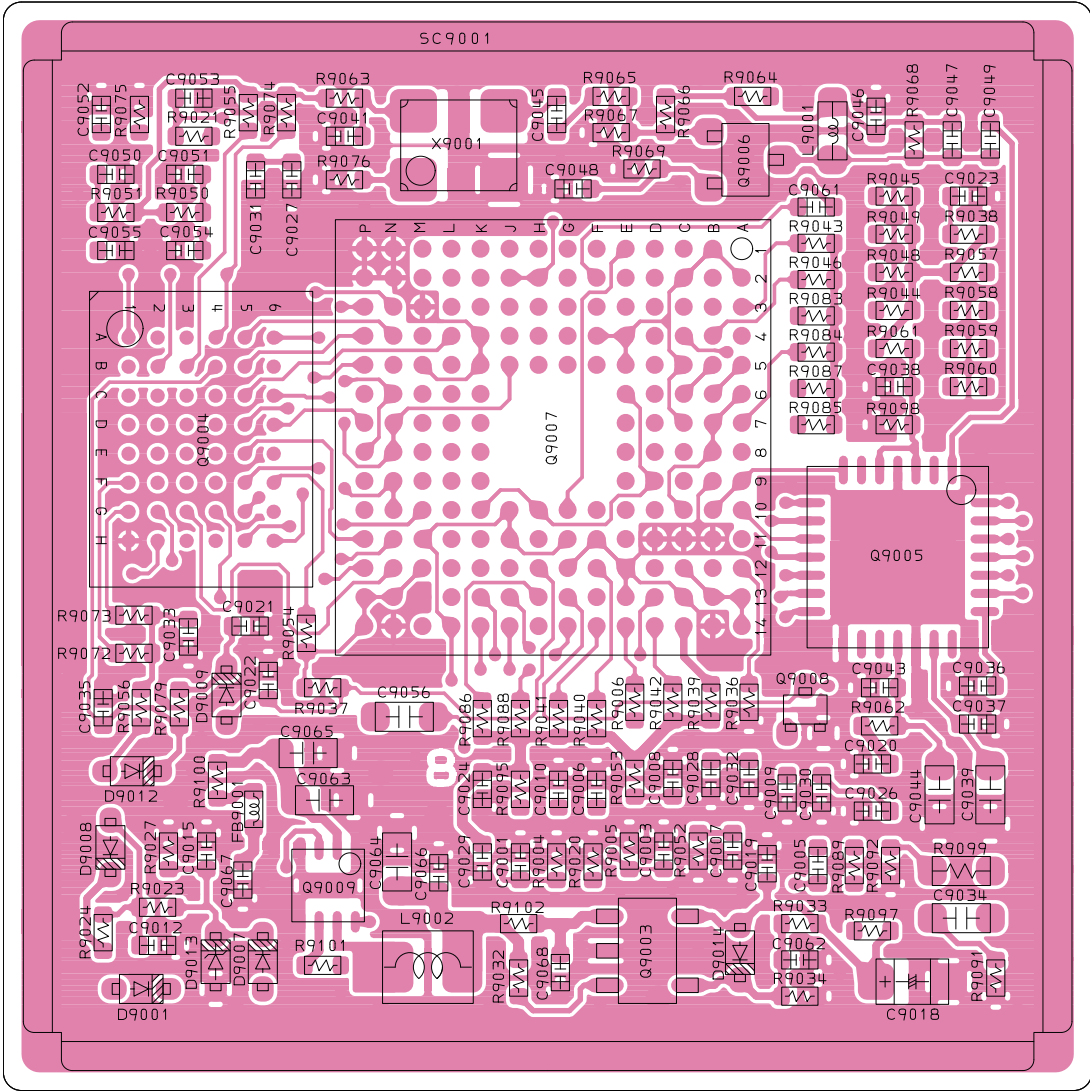
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 2056	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	g1
R 2057	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	g1
R 2058	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	B	g1
R 2059	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	g1
R 2060	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	B	g1
R 2061	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	B	g1
R 2062	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	f1
R 2063	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 2064	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 2065	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 2066	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 2067	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 2068	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 2069	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f1
R 2070	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f1
R 2071	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	f1
R 2072	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	g1
R 2073	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	g1
R 2074	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	B	g1
R 2075	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	g1
R 2076	CHIP RES.	56	1/16W	5%	RMC1/16S 560JTH	J24189010		1-	B	g1
R 2077	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	E2
R 2078	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D2
R 2079	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e2
R 2080	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e2
R 2081	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	d2
R 2082	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2083	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2084	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2085	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2086	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2087	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2088	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	g2
R 2089	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f2
R 2090	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f2
S 2001	ROTARY ENCODER				EC12E2420401	Q9000749		1-	A	E1
S 2002	TACT SWITCH				SKRMAAE010	N5090140		1-	A	B2
S 2003	TACT SWITCH				SKRMAAE010	N5090140		1-	A	B2
S 2004	TACT SWITCH				SKRMAAE010	N5090140		1-	A	C2
S 2005	TACT SWITCH				SKRMAAE010	N5090140		1-	A	D2
S 2006	TACT SWITCH				SKRMAAE010	N5090140		1-	A	D2
S 2007	TACT SWITCH				SKRMAAE010	N5090140		1-	A	E2
VR2001	POT.				RK09D1130C6Y	J60800330		1-	A	A1

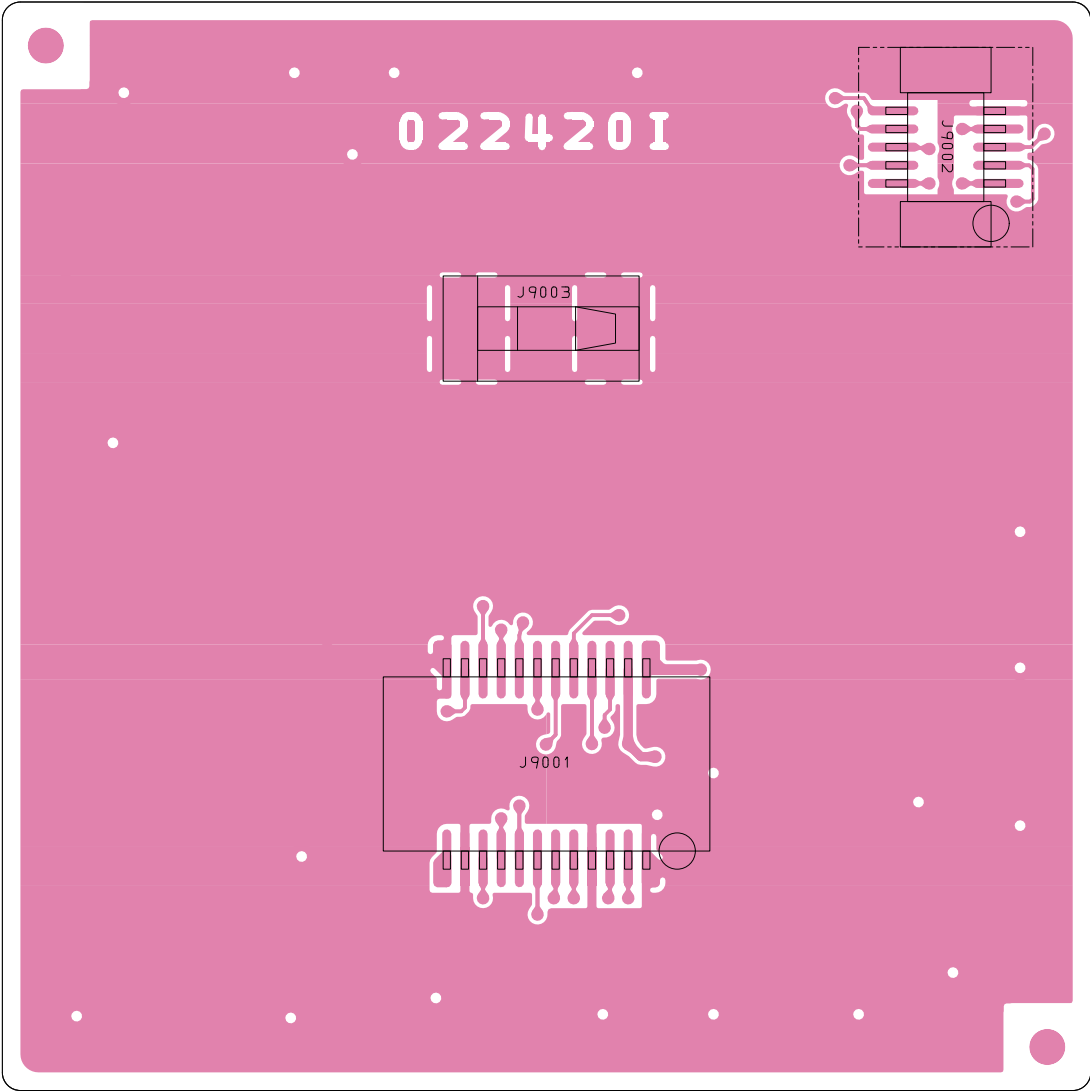
DSP Unit

Circuit Diagram





Side A



Side B

DSP Unit (FTM-3200DR/DE)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CS2452701				
C 9003	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-		
C 9005	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9006	CHIP CAP.	0.0082uF	16V	B	GRM155B11C822KA01D	K22128801		1-		
C 9009	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-		
C 9010	CHIP CAP.	0.01uF	16V	B	GRM155B11C103JA01D	K22128814		1-		
C 9012	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9015	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9018	CHIP TA.CAP.	47uF	4V		TMCP0G476MTRF	K78060050		1-		
C 9019	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9020	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-		
C 9021	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-		
C 9022	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9023	CHIP CAP.	4.7uF	4V	BJ	AMK105BJ475MV-F	K22068801		1-		
C 9024	CHIP CAP.	4.7uF	4V	BJ	AMK105BJ475MV-F	K22068801		1-		
C 9026	CHIP CAP.	4.7uF	4V	BJ	AMK105BJ475MV-F	K22068801		1-		
C 9027	CHIP CAP.	4.7uF	4V	BJ	AMK105BJ475MV-F	K22068801		1-		
C 9028	CHIP CAP.	4.7uF	4V	BJ	AMK105BJ475MV-F	K22068801		1-		
C 9029	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9030	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9031	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9032	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9033	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9034	CHIP CAP.	0.47uF	10V	BJ	LMK107BJ474KA-T	K22104803		1-		
C 9035	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-		
C 9036	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9037	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9038	CHIP CAP.	1uF	10V	B	GRM155B31A105KE15D	K22108809		1-		
C 9039	CHIP CAP.	10uF	6.3V	B	JMK107BJ106MA-T	K22084806		1-		
C 9041	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9043	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9044	CHIP CAP.	10uF	6.3V	B	JMK107BJ106MA-T	K22084806		1-		
C 9045	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9046	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-		
C 9047	CHIP CAP.	220pF	50V	CH	GRM1552C1H221JA01D	K22179713		1-		
C 9048	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9049	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9050	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-		
C 9051	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-		
C 9056	CHIP CAP.	10uF	6.3V	B	JMK107BJ106MA-T	K22084806		1-		
C 9061	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-		
C 9063	CHIP CAP.	10uF	25V	B	GRM188R61E106MA73D	K22144818		1-		
C 9064	CHIP CAP.	22uF	6.3V	B	GRM188R60J226MEA0D	K22084807		1-		
C 9065	CHIP CAP.	0.1uF	25V	B	GRM188B11E104KA01D	K22144814		1-		
C 9066	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-		
C 9067	CHIP CAP.	1uF	16V	B	GRM155B31C105KA12D	K22128817		1-		
D 9001	DIODE				RB751S-40TE61	G2070850		1-		
D 9007	DIODE				RB751S-40TE61	G2070850		1-		
D 9008	DIODE				1SS400 TE61	G2070634		1-		
D 9009	DIODE				RB751S-40TE61	G2070850		1-		
D 9012	DIODE				RB751S-40TE61	G2070850		1-		
D 9013	DIODE				BZX585C3V3	G2071502		1-		
FB9001	FERRITE BEADS				BLM15AG121SN1D	L1690843		1-		
J 9001	CONNECTOR				AXK5F24547YG	P1091452		1-		
J 9002	CONNECTOR				AXK6F10345YP	P0091378		1-		
J 9003	SHIELD FINGER				OG-542925	S5000276		1-		
L 9001	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-		
L 9002	M.RFC	2.2uH		20%	LQH2HPN2R2MG0L	L1691811		1-		
Q 9003	IC				TPS76301DBVR	G1094152		1-		
Q 9004	IC				S29AL016J70BFI010E	×		1-		
Q 9005	IC				SSM2602CPZ-REEL7	G1094762		1-		
Q 9006	TRANSISTOR				2SC5107-O(TE85R.F)	G3351077O		1-		
Q 9007	IC				TMS320VC5509AZHH	G1094763		1-		
Q 9008	TRANSISTOR				DTC144EM T2L	G3070309		1-		
Q 9009	IC				TPS62172DSGR	G1095062		1-		
R 9004	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9005	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-		
R 9020	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9021	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9023	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9027	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-		
R 9032	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-		
R 9033	CHIP RES.	39k	1/16W	1%	RMC1/16SK393FTH	J24189524		1-		

DSP Unit (FTM-3200DR/DE)

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 9034	CHIP RES.	120k	1/16W	1%	RMC1/16SK124FTH	J24189530		1-		
R 9036	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9037	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-		
R 9038	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9039	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9040	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9041	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9042	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9043	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9044	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9045	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-		
R 9046	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9048	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9049	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9050	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9051	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9052	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9053	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9054	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9055	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9056	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-		
R 9057	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-		
R 9058	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-		
R 9059	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-		
R 9060	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-		
R 9061	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9062	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-		
R 9063	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-		
R 9064	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-		
R 9065	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-		
R 9066	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-		
R 9067	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9068	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-		
R 9069	CHIP RES.	180	1/16W	5%	RMC1/16S 181JTH	J24189016		1-		
R 9072	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9073	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9074	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9075	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9076	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9079	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9083	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9084	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9085	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9086	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9087	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9088	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-		
R 9089	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9095	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-		
R 9097	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
R 9098	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-		
R 9099	CHIP RES.	1k	1/16W	5%	RMC1/16 102JATP	J24185102		1-		
R 9100	CHIP RES.	2.2	1/16W	5%	RMC1/16S 2R2JTH	J24189602		1-		
R 9101	CHIP RES.	100k	1/16W	1%	RMC1/16SK104FTH	J24189529		1-		
R 9102	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-		
SC9001	SHIELD CASE				(DSP)	RA1357400		1-		
X 9001	TCXO	18.432MHz			TTS18NSE-A11 18.432M	H9501220		1-		



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