

144MHz FM Transceiver

FT-2980R/E

EH039N95B

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Introduction

This manual provides the technical information necessary for servicing the FT-2980R/E 144 MHz FM 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.

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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.

Caution

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

General

Frequency Range:	Tx 136 - 174 MHz (Asian Version) 144 - 148 MHz (USA Version) 144 - 146 MHz (European Version) Rx 136 - 174 MHz
Channel Step:	5/10/12.5/15/20/25/50/100 kHz
Standard Repeater Shift:	±600 kHz
Frequency Stability:	Better than ±10 ppm [−4 °F to +140 °F (−20 °C to +60 °C)]
Modes of Emission:	F2D/F3E
Antenna Impedance:	50 Ohms, unbalanced
Supply voltage:	13.8 V DC ±15%, negative ground
Current Consumption (typical):	Rx: less than 0.7 A, less than 0.3 A (squelched) Tx: 15 A (80 W) /9 A (30 W) /5 A (10 W) /4 A (5 W)
Operating Temperature Range:	−4° F to +140° F (−20° C to +60° C)
Case Size (WxHxD):	6.3" x 2" x 7.3" (160 x 50 x 185 mm) (w/o knobs)
Weight (Approx.):	4.2 lb (1.9 kg)

Transmitter

Output Power:	80 W/30 W/10 W/5 W
Modulation Type:	Variable Reactance
Maximum Deviation:	±5 kHz (Wide)/±2.5 kHz (Narrow)
Spurious Radiation:	Better than −60 dB
Microphone Impedance:	2 k-Ohms

Receiver

Circuit Type:	Double Conversion Superheterodyne
Ifs:	21.7 MHz & 450 kHz
Sensitivity (for 12dB SINAD):	Better than 0.4 μV
Selectivity (−6/−60dB):	12 kHz/28 kHz (Wide) 9 kHz/22 kHz (Narrow)
IF Rejection:	Better than 70 dB
Image Rejection:	Better than 70 dB
Maximum AF Output:	3 W into 4 Ohms @10 % THD

Specifications subject to change without notice or obligation. Specifications guaranteed only within Amateur band. Frequency ranges will vary according to transceiver version; check with your dealer.

Symbols placed on the equipment

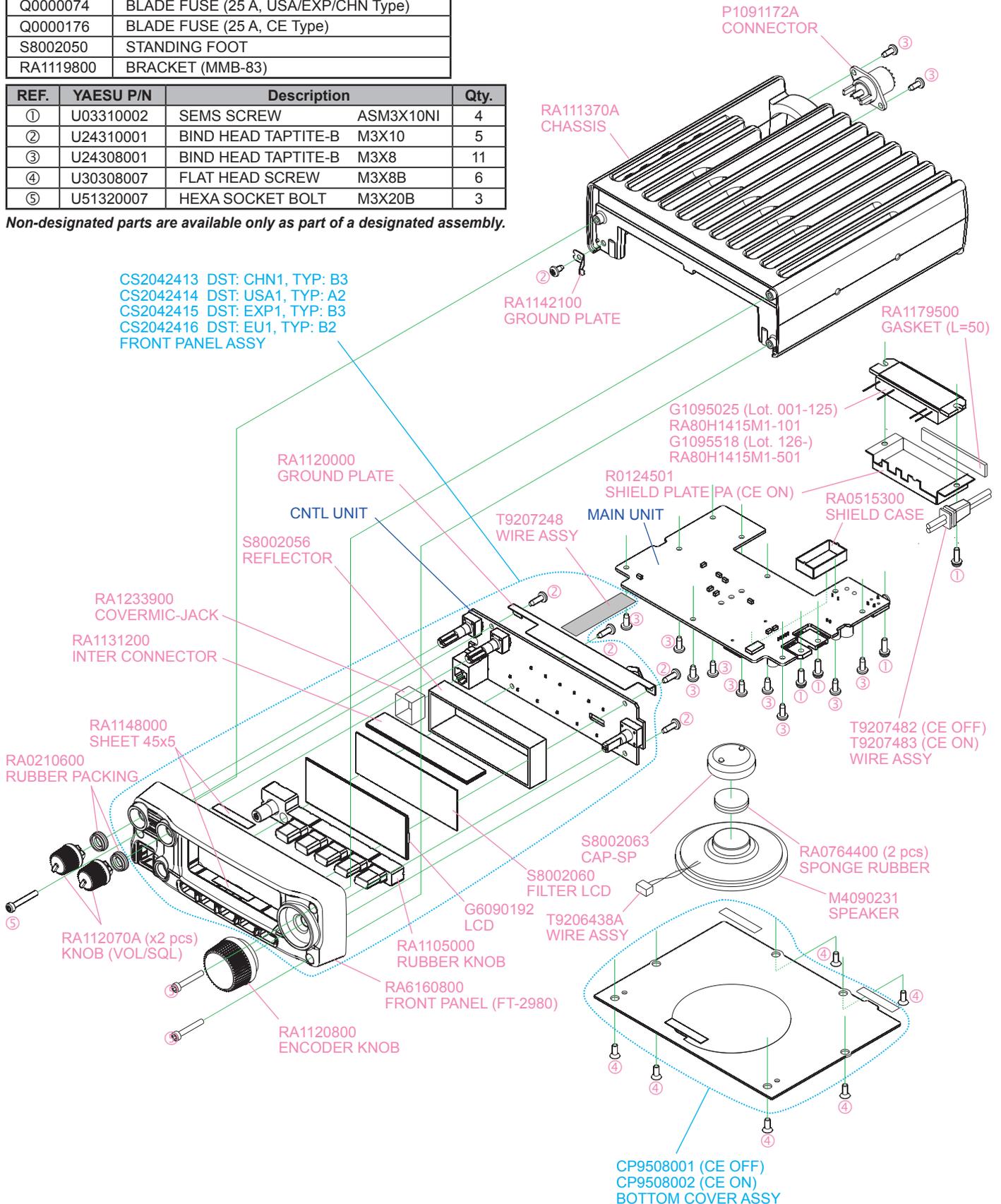
== Direct current

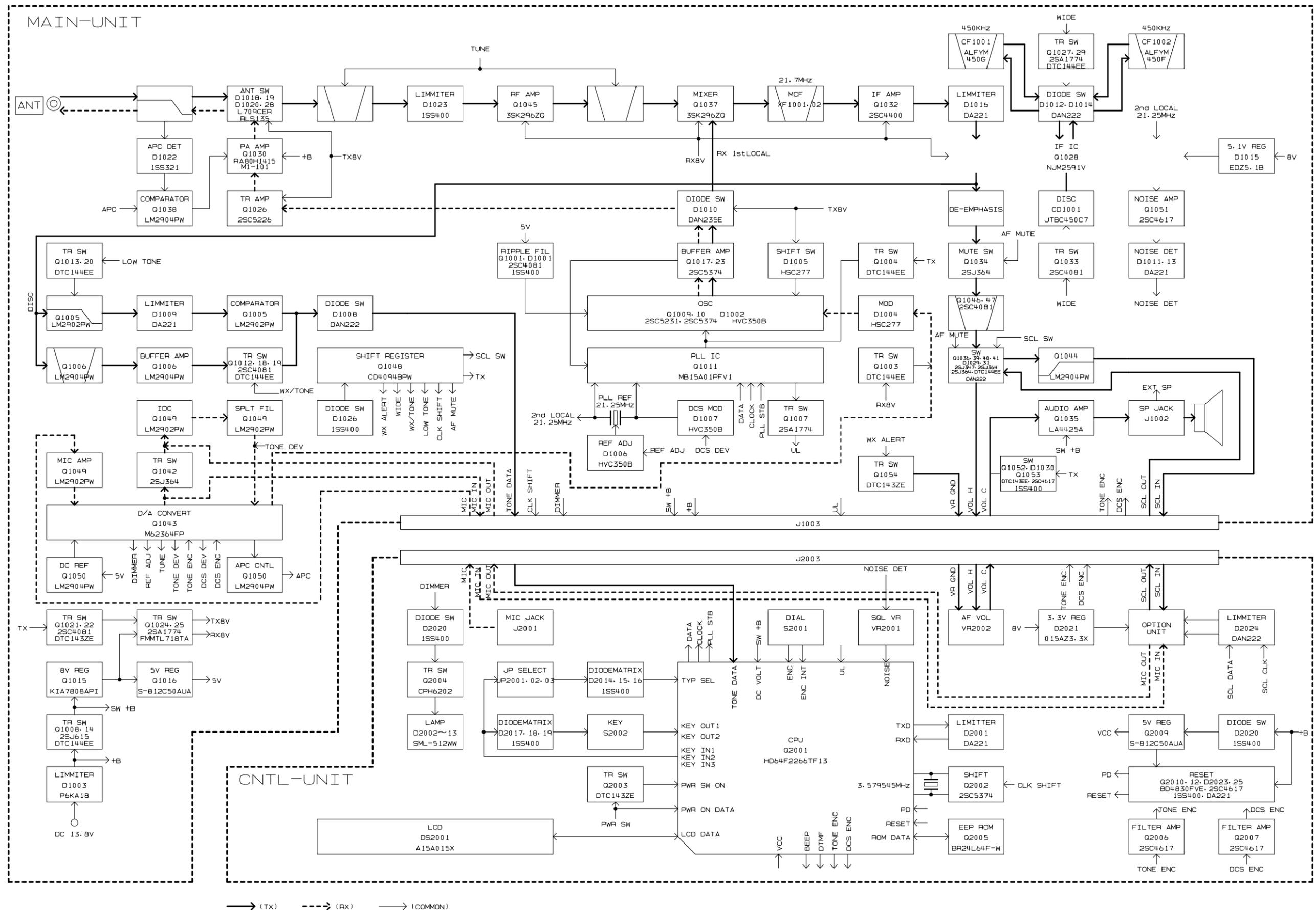
Exploded View & Miscellaneous Parts

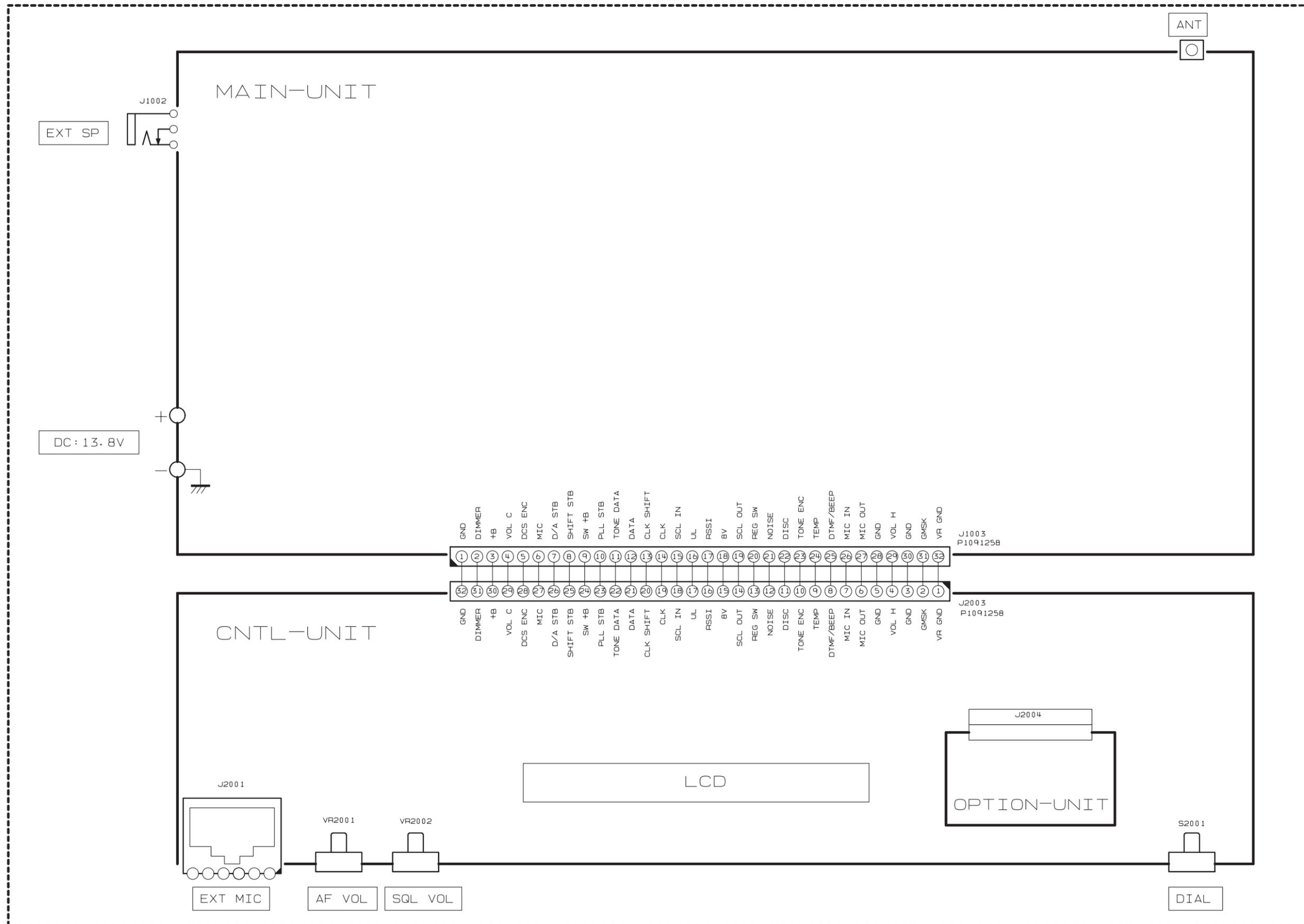
ACCESSORIES	
YAESU P/N	Description
AAA43X002	MICROPHONE (MH-48A6J)
T90258251	DC CABLE (USA/EXP/CHN Type)
T9026020	DC CABLE (CE Type)
Q0000074	BLADE FUSE (25 A, USA/EXP/CHN Type)
Q0000176	BLADE FUSE (25 A, CE Type)
S8002050	STANDING FOOT
RA1119800	BRACKET (MMB-83)

REF.	YAESU P/N	Description	Qty.
①	U03310002	SEMS SCREW ASM3X10NI	4
②	U24310001	BIND HEAD TAPTITE-B M3X10	5
③	U24308001	BIND HEAD TAPTITE-B M3X8	11
④	U30308007	FLAT HEAD SCREW M3X8B	6
⑤	U51320007	HEXA SOCKET BOLT M3X20B	3

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







Introduction

The FT-2980R/E is carefully aligned at the factory for the specified performance across the amateur band. Realignment should therefore not be necessary except in the event of a component failure. Only an authorized Yaesu representative should perform all component replacement and service, or the warranty policy may be void.

The following procedures cover the adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts subsequently 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. 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 reserves 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 realignment determined to be absolutely necessary.

Required Test Equipment

The following test equipment (and familiarity with its use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards.

Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning and, follow all of the steps in a section in the order presented.

- RF Signal Generator with calibrated output level at 200 MHz
- Deviation Meter (linear detector)
- In-line Wattmeter with 5% accuracy at 200 MHz
- 50-Ohm 100-W RF Dummy Load
- 8-Ohm AF Dummy Load
- Regulated DC Power Supply adjustable from 9 to 16.5 VDC, 20A
- Frequency Counter: 0.2-ppm accuracy at 200 MHz
- AF Signal Generator
- AC Voltmeter
- DC Voltmeter: high impedance
- VHF Sampling Coupler
- SINAD Meter

Alignment Preparation & Precautions

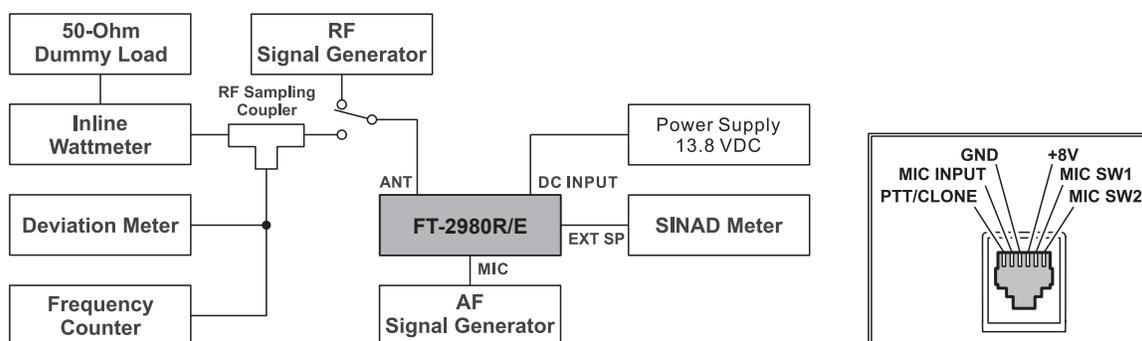
A 50-Ohm RF load and in-line wattmeter must be connected to the antenna jack in all procedures that call for transmission; alignment is not possible with an antenna. After completing one step, read the next step to see if the same test equipment is required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant 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 0dB μ = 0.5 μ V.

Test Setup

Set up the test equipment as shown below for transceiver alignment.



Test Equipment Setup

Entering the Alignment Mode

Alignment of the FT-2980R/E is performed using a front panel software-based procedure. To perform alignment of the transceiver, it must first be placed in the "Alignment Mode," in which the adjustments will be made and then stored into memory.

To enter the Alignment mode:

1. Press and hold in the **[PWR(⏻)]** switch for 1/2 second to turn the radio off.
2. To enter the Alignment mode, press and hold in the **[REV(DW)]** and **[D/MR(MW)]** keys while turning the radio on. Once the radio is on, release these two key. The transceiver is now in the "Alignment Mode."

PLL Reference Frequency

- ❑ Rotate the **DIAL** knob to set the alignment parameter to “146.000 rF”.
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “PLL Reference Frequency.”
- ❑ Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the counter frequency reading is 146.000 MHz (± 80 Hz).
- ❑ Press the [**D/MR(MW)**] key.

RF Front-end Tuning

- ❑ Inject a 145.100 MHz signal at a level of -10 dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.100 tn.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “RF Front-end Tuning.”
- ❑ Adjust the **DIAL** knob so that the maximum SINAD.
- ❑ Press the [**D/MR(MW)**] key.

Squelch Threshold Level

- ❑ Inject a 145.100 MHz signal at a level of -14 dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
- ❑ Rotate the **SQL** knob to the 10-o’clock position.
- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.100 tL.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “Squelch Threshold Level.”
- ❑ Press the [**L(⊗)**] key three times.
- ❑ Press the [**D/MR(MW)**] key.

S-meter Level (S-1)

- ❑ Inject a 145.100 MHz signal at a level of -5.0 dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.100 S1.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “S-meter Level (S-1).”
- ❑ Press the [**L(⊗)**] key three times.
- ❑ Press the [**D/MR(MW)**] key.

S-meter Level (S-9)

- ❑ Inject a 145.100 MHz signal at a level of $+23.0$ dB μ V (with 1 kHz modulation @ ± 3.5 kHz deviation) from the RF signal generator.
- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.100 S9.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “S-meter Level (S-9).”
- ❑ Press the [**L(⊗)**] key three times.
- ❑ Press the [**D/MR(MW)**] key.

TX Power (High)

- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.000 HP.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “TX Power (High).”
- ❑ Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 80 W ($+2.0$ W, -3.0 W).
- ❑ Press the [**D/MR(MW)**] key.

TX Power (Low 3)

- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.000 L3.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “TX Power (Low 3).”
- ❑ Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 30 W (± 1.5 W).
- ❑ Press the [**D/MR(MW)**] key.

TX Power (Low 2)

- ❑ Rotate the **DIAL** knob to set the alignment parameter to “145.000 L2.”
- ❑ Press the [**D/MR(MW)**] key to enable adjustment of the “TX Power (Low 2).”
- ❑ Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 10 W (± 1.0 W).
- ❑ Press the [**D/MR(MW)**] key.

TX Power (Low 1)

- Rotate the **DIAL** knob to set the alignment parameter to “145.000 L1.”
- Press the [**D/MR(MW)**] key to enable adjustment of the “TX Power (Low 1).”
- Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the RF Power Meter reading is 5 W (± 0.5 W).
- Press the [**D/MR(MW)**] key.

TX Deviation

- Inject a 1 kHz, 50 mV signal from the Audio Generator.
- Rotate the **DIAL** knob to set the alignment parameter to “145.000 dU.”
- Press the [**D/MR(MW)**] key to enable adjustment of the “TX Deviation.”
- Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the Deviation Meter reading is 4.2 kHz (± 0.1 kHz).
- Press the [**D/MR(MW)**] key.

CTCSS TX Deviation

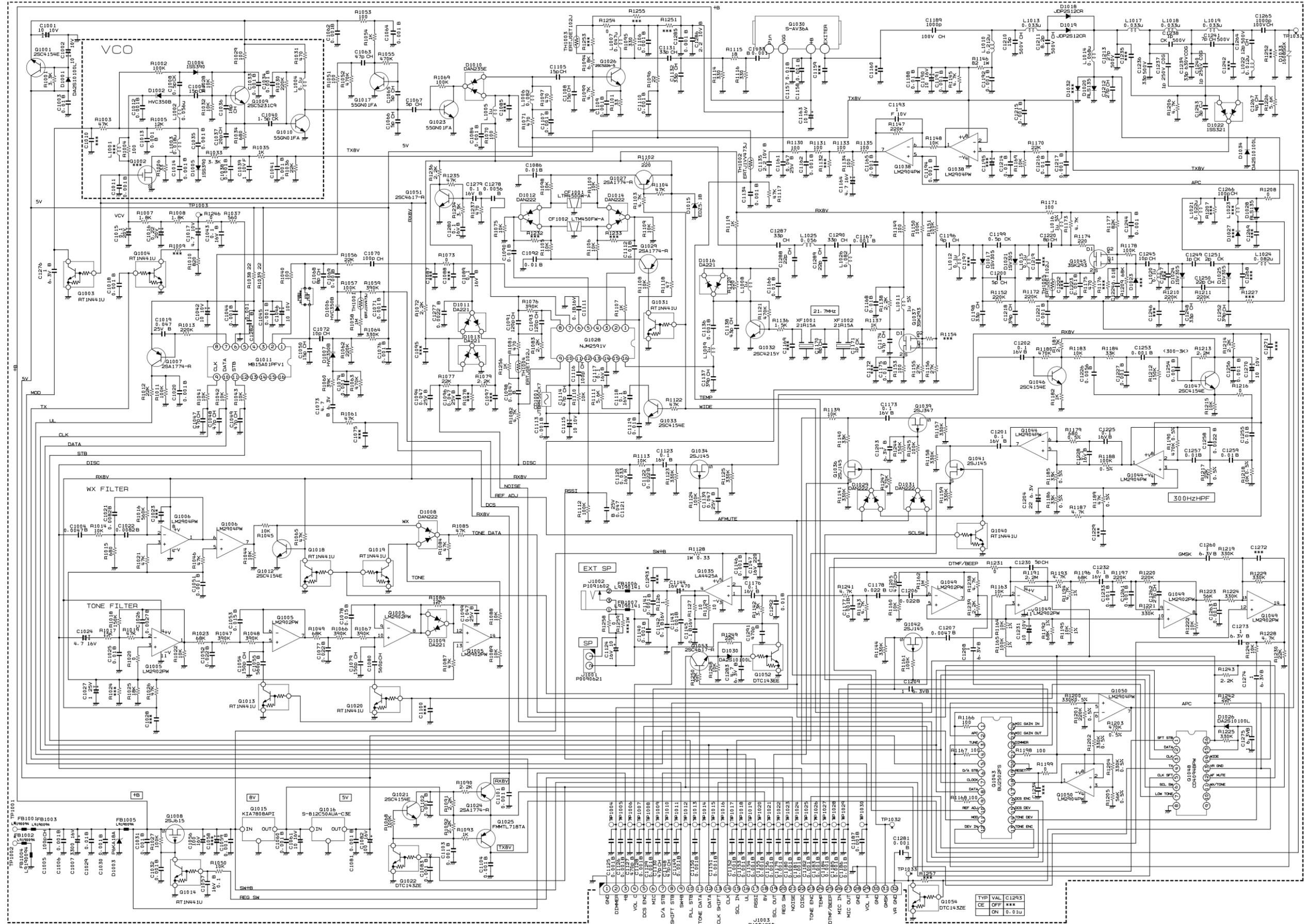
- Rotate the **DIAL** knob to set the alignment parameter to “145.000 100.”
- Press the [**D/MR(MW)**] key to enable adjustment of the “CTCSS TX Deviation.”
- Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the Deviation Meter reading is 0.6 kHz (± 0.05 kHz).
- Press the [**D/MR(MW)**] key.

DCS TX Deviation

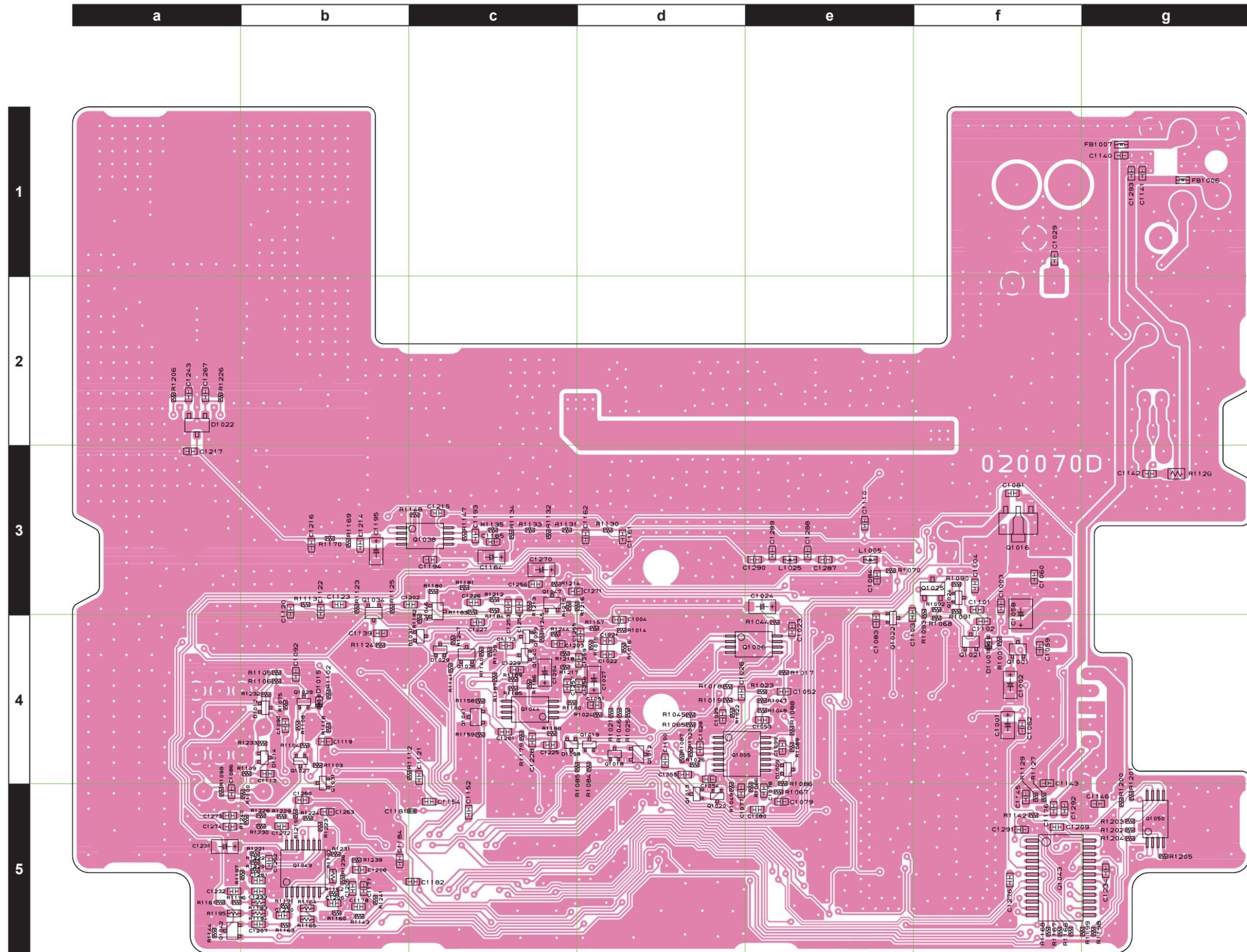
- Rotate the **DIAL** knob to set the alignment parameter to “145.000 dC.”
- Press the [**D/MR(MW)**] key to enable adjustment of the “DCS TX Deviation.”
- Press the **PTT** switch to activate the transmitter, adjust the **DIAL** knob so that the Deviation Meter reading is 0.8 kHz (± 0.05 kHz).
- Press the [**D/MR(MW)**] key.

Closing the Alignment mode

1. Press the [**DW(REV)**] key to save the new setting and exit to normal operation.
2. Press and hold in the [**PWR(⏻)**] switch for 1/2 second to turn the radio off.



MAIN Unit
Parts Layout (Side B)



MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
	PCB with Components					CS2229506 CS2229507	CE:OFF CE:ON	1- 1-		
C 1001	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	f4
C 1002	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	f4
C 1003	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	f3
C 1004	CHIP CAP.	0.0047uF	50V	B	GRM188B11H472KA01D	K22174817		1-	B	d4
C 1005	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	A1
C 1006	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	A1
C 1007	AL.ELECTRO.CAP.	3300uF	16V		UVR1C332MHD	K40129106		1-	A	B2
C 1008	CHIP CAP.	0.5pF	50V	CK	GRM1884C1HR50CA01D	K22174201		1-	A	B5
C 1009	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	B5
C 1011	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C5
C 1012	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B5
C 1013	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B5
C 1014	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C5
C 1015	CHIP TA.CAP.	0.1uF	20V		TMCP1D104MTRF	K78130067		1-	A	C5
C 1015	CHIP TA.CAP.	0.1uF	20V		TMCP1D104MTRF	K78130049		126-	A	C5
C 1016	CHIP TA.CAP.	0.22uF	20V		TMCP1D224MTRF	K78130069		1-	A	C5
C 1017	CHIP TA.CAP.	4.7uF	10V		F921A475MPA	K78100112		1-	A	C5
C 1018	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C5
C 1019	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	A	C4
C 1020	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C5
C 1021	CHIP CAP.	0.0082uF	50V	B	GRM188B11H822KA01D	K22174837		1-	B	d4
C 1022	CHIP CAP.	0.0082uF	50V	B	GRM188B11H822KA01D	K22174837		1-	B	d4
C 1024	CHIP TA.CAP.	4.7uF	16V		F931C475MAA	K78120097		1-	B	e3
C 1025	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d4
C 1026	CHIP CAP.	0.0027uF	50V	B	GRM188B11H272KA01D	K22174814		1-	B	d4
C 1027	CHIP TA.CAP.	1uF	25V		F931E105MAA	K78140033		1-	B	d4
C 1029	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	f1
C 1030	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C2
C 1031	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B3
C 1032	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1033	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1034	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B4
C 1035	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	B5
C 1036	CHIP CAP.	18pF	50V	CH	GRM1882C1H180JA01D	K22174217		1-	A	B4
C 1037	CHIP CAP.	20pF	50V	CH	GRM1882C1H200JA01D	K22174218		1-	A	B4
C 1038	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1039	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	A	C4
C 1040	CHIP CAP.	1.5pF	50V	CK	GRM1884C1H1R5CA01D	K22174258		1-	A	B4
C 1041	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1042	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 1043	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C5
C 1044	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1045	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1046	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	C4
C 1047	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	C5
C 1048	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	C5
C 1049	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	C5
C 1050	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C5
C 1051	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d4
C 1052	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	B	e4
C 1053	CHIP CAP.	0.015uF	50V	B	GRM188B11H153KA01D	K22174838		1-	B	e4
C 1054	CHIP CAP.	150pF	50V	CH	GRM1882C1H151JA01D	K22174239		1-	B	d4
C 1055	CHIP CAP.	560pF	50V	B	GRM188B11H561KA01D	K22174806		1-	B	d4
C 1056	AL.ELECTRO.CAP.	100uF	16V		UVR1C101MDD	K40129104		1-	A	B4
C 1057	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	C3
C 1059	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f4
C 1060	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f3
C 1061	AL.ELECTRO.CAP.	10uF	16V		UVR1C100MDD	K40129103		1-	A	B3
C 1062	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f4
C 1063	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	C4
C 1064	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1065	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	A	C3
C 1066	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	A	B3
C 1067	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	A	C3
C 1068	CHIP CAP.	4pF	50V	C0G	GRM1885C1H4R0BA01D	K22174292		1-	A	D5
C 1069	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D5
C 1070	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	D5
C 1071	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D5
C 1072	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	A	D5
C 1073	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	A	D5
C 1074	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D5
C 1076	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D5
C 1077	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	B	d5

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1078	CHIP CAP.	0.015uF	50V	B	GRM188B11H153KA01D	K22174838		1-	B	e5
C 1079	CHIP CAP.	150pF	50V	CH	GRM1882C1H151JA01D	K22174239		1-	B	e5
C 1080	CHIP CAP.	560pF	50V	CH	GRM1882C1H561JA01D	K22174273		1-	B	e5
C 1081	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f3
C 1082	AL.ELECTRO.CAP.	100uF	16V		USR1C101MDD	K40129110		1-	A	B3
C 1083	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e4
C 1084	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e3
C 1086	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	a5
C 1089	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	F4
C 1090	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b4
C 1091	CHIP CAP.	120pF	50V	CH	GRM1882C1H121JA01D	K22174237		1-	A	F4
C 1092	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b4
C 1093	CHIP CAP.	120pF	50V	CH	GRM1882C1H121JA01D	K22174237		1-	A	F4
C 1094	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	A	F4
C 1096	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	A	F4
C 1098	CHIP CAP.	0.0047uF	50V	B	GRM188B11H472KA01D	K22174817		1-	A	F4
C 1099	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	e4
C 1101	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f3
C 1102	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f4
C 1103	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e4
C 1104	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f3
C 1105	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C3
C 1106	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1107	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1108	CHIP CAP.	15pF	50V	CH	GRM1882C1H150JA01D	K22174215		1-	A	C3
C 1109	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1110	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	e3
C 1111	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	F5
C 1112	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b4
C 1113	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F5
C 1114	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	F5
C 1115	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	A	F5
C 1116	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	F5
C 1117	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	F4
C 1118	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	F5
C 1119	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b4
C 1120	CHIP CAP.	0.033uF	16V	R	GRM188R11C333KA01D	K22124801		1-	B	b3
C 1121	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	c4
C 1122	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	B	b3
C 1123	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	b3
C 1124	AL.ELECTRO.CAP.	10uF	16V		UVR1C100MDD	K40129103		1-	A	A2
C 1125	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1126	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1127	CHIP CAP.	470pF	50V	B	GRM188B11H471KA01D	K22174805		1-	A	E5
C 1128	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1129	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1130	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	B5
C 1131	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	A	C3
C 1132	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	A	C3
C 1133	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C2
C 1134	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	D2
C 1135	CHIP CAP.	2.2uF	10V	B	GRM188B31A225KE18D	K22104805		1-	A	C2
C 1136	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F4
C 1137	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	A	F5
C 1138	CHIP CAP.	43pF	50V	CH	GRM1882C1H430JA01D	K22174226		1-	A	E4
C 1139	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	b4
C 1140	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	g1
C 1141	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	g1
C 1142	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	g3
C 1143	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	f4
C 1144	AL.ELECTRO.CAP.	470uF	16V		UVR1C471MPD	K40129108		1-	A	A2
C 1145	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	f5
C 1146	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	g5
C 1147	AL.ELECTRO.CAP.	220uF	16V		UVR1C221MED	K40129105		1-	A	A4
C 1148	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JA01D	K22178228		1-	A	E5
C 1149	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1150	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1151	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E5
C 1152	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c5
C 1153	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E5
C 1154	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c5
C 1155	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E5
C 1156	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1157	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	D2
C 1158	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1161	CHIP CAP.	0.047uF	25V	B	GRM188B11E473KA01D	K22144811		1-	B	d3
C 1162	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d3
C 1163	AL.ELECTRO.CAP.	10uF	16V		UWX1C100MCL1GB	K48120026		1-	A	D2
C 1164	CHIP TA.CAP.	4.7uF	16V		F931C475MAA	K78120097		1-	B	c3
C 1165	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1166	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	F4
C 1167	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E3
C 1168	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	E3
C 1170	CHIP CAP.	8pF	50V	CH	GRM1882C1H8R0DA01D	K22174209		1-	A	E4
C 1171	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0CA01D	K22174202		1-	A	E4
C 1173	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c4
C 1174	CHIP CAP.	47pF	50V	CH	GRM1882C1H470JA01D	K22174227		1-	A	E4
C 1175	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	E4
C 1176	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	f5
C 1177	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b5
C 1178	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	B	b5
C 1179	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E5
C 1180	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1181	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c5
C 1182	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c5
C 1183	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E5
C 1184	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b5
C 1185	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	E5
C 1186	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F5
C 1187	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E5
C 1188	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	F3
C 1189	CHIP CAP.	1000pF	100V	CH	GRM3192C2A102JA01	K22201232		1-	A	E3
C 1190	CHIP TA.CAP.	10uF	16V		TMCMA1C106MTRF	K78120077		1-	A	F3
C 1191	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F3
C 1192	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	E3
C 1193	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	c3
C 1194	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1196	CHIP CAP.	9pF	50V	CH	GRM1882C1H9R0CA01D	K22174247		1-	A	E3
C 1198	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	A	E4
C 1199	CHIP CAP.	0.5pF	50V	CK	GRM1884C1HR50BA01D	K22174265		1-	A	E3
C 1200	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	A	E4
C 1201	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c4
C 1202	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c3
C 1203	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	c4
C 1204	CHIP TA.CAP.	22uF	6.3V		F930J226MAA	K78080099		1-	B	c4
C 1205	CHIP CAP.	470pF	50V	CH	GRM1882C1H471JA01D	K22174249		1-	B	b5
C 1206	CHIP CAP.	0.022uF	50V	B	GRM188B11H223KA01D	K22174839		1-	B	b5
C 1207	CHIP CAP.	0.0047uF	50V	B	GRM188B11H472KA01D	K22174817		1-	B	b5
C 1208	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	b5
C 1209	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	f5
C 1210	CHIP CAP.	15pF	500V	CH	1206N150J501LT	K22278211		1-	A	F2
C 1211	CHIP CAP.	8.2pF	500V	CH	1206N8R2D501LT	K22278208		1-	A	F2
C 1212	CHIP CAP.	27pF	50V	CH	GRM1882C1H270JA01D	K22174221		1-	A	G3
C 1213	FILM CAP.	27pF	500V		UC232H0270J-T	K33279023		1-	A	F2
C 1214	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b3
C 1215	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1216	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	b3
C 1217	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	a3
C 1218	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	A	F4
C 1220	CHIP CAP.	8pF	50V	CH	GRM1882C1H8R0DA01D	K22174209		1-	A	F3
C 1221	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F4
C 1223	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F4
C 1224	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	A	F3
C 1225	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c4
C 1226	CHIP CAP.	0.0056uF	50V	B	GRM188B11H562KA01D	K22174818		1-	B	c3
C 1227	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c4
C 1228	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	c4
C 1230	CHIP CAP.	5pF	50V	CH	GRM1882C1H5R0CA01D	K22174206		1-	B	b5
C 1231	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	a5
C 1232	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	B	a5
C 1233	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b5
C 1236	FILM CAP.	33pF	500V		UC232H0330J-T	K33279024		1-	A	F2
C 1237	CHIP CAP.	1pF	250V	C0G	GQM2195C2E1R0CB12D	K22240244		1-	A	G2
C 1238	CHIP CAP.	1pF	500V	CK	GRM42-6CK010C500PT	K22271203		1-	A	G2
C 1239	CHIP CAP.	33pF	630V	C0G	GRM31A5C2J330JW01D	K22281226		1-	A	G2
C 1240	CHIP CAP.	1pF	250V	C0G	GQM2195C2E1R0CB12D	K22240244		1-	A	G2
C 1241	CHIP CAP.	7pF	500V	CH	CF316CH070D500AT	K22271252		1-	A	G1
C 1243	CHIP CAP.	3pF	50V	CJ	GRM1883C1H3R0CA01D	K22174204		1-	B	a2
C 1244	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	F3
C 1245	CHIP CAP.	10pF	50V	CH	GRM1882C1H100JA01D	K22174211		1-	A	F4

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
C 1248	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	A	F4
C 1249	CHIP CAP.	1pF	50V	CK	GRM1884C1H1R0BA01D	K22174267		1-	A	F4
C 1250	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	A	F4
C 1251	CHIP CAP.	2pF	50V	CK	GRM1884C1H2R0BA01D	K22174272		1-	A	F3
C 1252	CHIP CAP.	39pF	50V	CH	GRM1882C1H390JA01D	K22174225		1-	A	G4
C 1253	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1254	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1255	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d4
C 1256	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	c3
C 1257	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	c4
C 1258	CHIP CAP.	0.0022uF	50V	B	GRM188B11H222KA01D	K22174813		1-	B	d4
C 1259	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	d4
C 1260	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	b5
C 1261	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b5
C 1262	CHIP CAP.	27pF	50V	CH	GRM1882C1H270JA01D	K22174221		1-	B	b5
C 1263	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	b5
C 1264	CHIP CAP.	12pF	500V	CH	CF316CH120J500AT	K22271256		1-	A	G1
C 1265	CHIP CAP.	1000pF	100V	CH	GRM3192C2A102JA01	K22201232		1-	A	G1
C 1266	CHIP CAP.	100pF	50V	CH	GRM1882C1H101JA01D	K22174235		1-	A	G4
C 1267	CHIP CAP.	4pF	50V	CH	GRM1882C1H4R0CA01D	K22174205		1-	B	a2
C 1270	CHIP TA. CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c3
C 1273	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	a5
C 1274	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	a5
C 1275	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	A	D5
C 1276	CHIP CAP.	1uF	6.3V	B	GRM188B10J105KA01D	K22084801		1-	B	f5
C 1277	CHIP CAP.	0.0022uF	50V	B	GRM188B11H222KA01D	K22174813		1-	A	F4
C 1278	CHIP CAP.	0.0056uF	50V	B	GRM188B11H562KA01D	K22174818		1-	A	F4
C 1279	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	F4
C 1280	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-	A	F4
C 1281	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	F5
C 1282	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C4
C 1283	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	A	E5
C 1285	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	A	C3
C 1286	CHIP CAP.	2.2uF	10V	B	GRM188B31A225KE18D	K22104805		1-	A	C2
C 1287	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	e3
C 1288	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	e3
C 1289	CHIP CAP.	22pF	50V	CH	GRM1882C1H220JA01D	K22174219		1-	B	e3
C 1290	CHIP CAP.	33pF	50V	CH	GRM1882C1H330JA01D	K22174223		1-	B	e3
C 1291	CHIP CAP.	470pF	50V	B	GRM188B11H471KA01D	K22174805		1-	B	f5
C 1292	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823		1-	B	f5
C 1293	CHIP CAP.	0.01uF	50V	B	GRM188B11H103KA01D	K22174823	W/ CE LABEL	6-	B	g1
CD1001	CERAMIC DISC				JTBM450CX7	H7901520		1-	A	F5
CF1001	CERAMIC FILTER				LTM450GW-A	H3900573A		1-	A	F5
CF1002	CERAMIC FILTER				LTM450FW-A	H3900572A		1-	A	F4
D 1001	DIODE				DA2S10100L	G2071340		1-	B	f4
D 1002	DIODE				HVC350B-TRF-E	G2070596		1-	A	B5
D 1003	SURGE ABSORBER				P6KE18AHE3/54	Q9001010		1-	A	A1
D 1004	DIODE				1SS390	G2071226		1-	A	B5
D 1005	DIODE				1SS390	G2071226		1-	A	C5
D 1006	DIODE				1SV305(TPH3)	G2070942		1-	A	D5
D 1007	DIODE				1SV305(TPH3)	G2070942		1-	A	D5
D 1008	DIODE				DAN222 TL	G2070174		1-	B	c4
D 1009	DIODE				DA221 TL	G2070178		1-	B	e4
D 1010	DIODE				DAN235E TL	G2070612		1-	A	C3
D 1011	DIODE				DA221 TL	G2070178		1-	A	F4
D 1012	DIODE				DAN222 TL	G2070174		1-	B	b4
D 1013	DIODE				DA221 TL	G2070178		1-	A	F4
D 1014	DIODE				DAN222 TL	G2070174		1-	B	b4
D 1015	DIODE				EDZV T2R 5.1B	G2070998		1-	B	b4
D 1016	DIODE				DA221 TL	G2070178		1-	A	F4
D 1017	DIODE				1SV305(TPH3)	G2070942		1-	A	E4
D 1018	DIODE				JDP2S12CR	G2071416		1-	A	F3
D 1019	DIODE				JDP2S12CR	G2071416		1-	A	F3
D 1020	DIODE				RLS135 TE-11	G2070128		1-	A	F3
D 1021	DIODE				1SV305(TPH3)	G2070942		1-	A	F4
D 1022	DIODE				1SS321(TE85R.F)	G2070076		1-	B	a2
D 1024	DIODE				1SV305(TPH3)	G2070942		1-	A	F4
D 1025	DIODE				1SV305(TPH3)	G2070942		1-	A	G4
D 1026	DIODE				DA2S10100L	G2071340		1-	A	D5
D 1028	DIODE				RLS135 TE-11	G2070128		1-	A	G3
D 1029	DIODE				DAN222 TL	G2070174		1-	B	c4
D 1030	DIODE				DA2S10100L	G2071340		1-	A	E5
D 1031	DIODE				DAN222 TL	G2070174		1-	B	c4
D 1033	SURGE ABSORBER				1608SGXA2-TR2	Q9000891	W/ CE LABEL	1-	A	G1
D 1033	SURGE ABSORBER				1608SGXA2-TR2	Q9000891	W/O CE LABEL	1-	A	G1

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
D 1034	DIODE				DA2S10100L	G2071340		1-	A	G3
FB1001	FERRITE BEADS				SMB304729	L9190094		1-	A	A1
FB1002	FERRITE BEADS				SMB304729	L9190094		1-	A	B1
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				BLM18PG330SN1D	L9190141		1-	B	g1
FB1007	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	g1
J 1001	CONNECTOR				SC25-02WS	P0090621		1-	A	A3
J 1002	CONNECTOR				LJE0357-B	P1091602		1-	A	A1
J 1003	CONNECTOR				32FLT-SM2-TB(LF)(SN)(M)	P1091258		1-	A	E5
L 1002	CHIP COIL	0.056uH			LQW2BHN56NG03L	L1690978		1-	A	B5
L 1003	CHIP COIL	0.018uH		2%	LQW18AN18NG00D	L1690883		1-	A	C5
L 1004	M.RFC	0.1uH			LL1608-FSLR10J	L1691748		1-	A	B4
L 1005	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	e3
L 1006	M.RFC	0.082uH			LL1608-FSL82NJ	L1690872		1-	A	C3
L 1007	M.RFC	0.047uH			LL1608-FSL47NJ	L1690367		1-	A	C3
L 1008	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	F4
L 1009	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	A	F5
L 1010	COIL	0.212uH			ASs051047-212NJ	L0022834		1-	A	E3
L 1011	CHIP COIL	1uH		5%	LQW21HN1R0J00L	L1691864		1-	A	E4
L 1012	CHIP COIL	0.1uH		2%	LQW18ANR10G00D	L1690892		1-	A	E4
L 1013	COIL	0.033uH			AS100547-33N	L0022546		1-	A	F3
L 1014	COIL	0.068uH			AS080747-68N	L0022541		1-	A	F3
L 1015	CHIP COIL	0.1uH		2%	LQW18ANR10G00D	L1690892		1-	A	F4
L 1016	CHIP COIL	1uH		5%	LQW21HN1R0J00L	L1691864		1-	A	F3
L 1017	COIL	0.033uH			AS100547-33N	L0022546		1-	A	F2
L 1018	COIL	0.033uH			AS100547-33N	L0022546		1-	A	G2
L 1019	COIL	0.033uH			AS100547-33N	L0022546		1-	A	G1
L 1020	CHIP COIL	0.1uH		2%	LQW18ANR10G00D	L1690892		1-	A	F4
L 1021	CHIP COIL	0.022uH		2%	LQW18AN22NG00D	L1690884		1-	A	G4
L 1022	COIL	0.012uH			AS080336-12N	L0022810		1-	A	G1
L 1024	CHIP COIL	0.082uH		2%	LQW18AN82NG00D	L1690891		1-	A	G3
L 1025	M.RFC	0.056uH			LL1608-FSL56NJ	L1690870		1-	B	e3
L 1026	M.RFC	0.082uH			LL1608-FSL82NJ	L1690872		-	A	E3
Q 1001	TRANSISTOR				2SC4154-T111-1E	G3341548E		1-	B	f4
Q 1003	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	A	C5
Q 1004	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	A	C5
Q 1005	IC				LM2902PWR	G1094009		1-	B	d4
Q 1006	IC				LM2904PWR	G1094010		1-	B	e4
Q 1007	TRANSISTOR				2SA1774 TL R	G3117748R		1-	A	C4
Q 1008	FET				2SJ615-TD-E	G3706158		1-	A	B3
Q 1009	TRANSISTOR				2SC5231A9-TL-E	G3352318I		1-	A	B4
Q 1010	TRANSISTOR				55GN01FA-TL-H	G3070548		1-	A	B4
Q 1011	IC				MB15A01PFV1-G-BND-EFE1	G1092545		1-	A	C5
Q 1012	TRANSISTOR				2SC4154-T111-1E	G3341548E		1-	B	d4
Q 1013	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	B	d5
Q 1014	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	A	C3
Q 1015	IC				KIA7808API	G1093164		1-	A	A3
Q 1016	IC				S-812C50AUA-C3E-T2G	G1093652		1-	B	f3
Q 1017	TRANSISTOR				55GN01FA-TL-H	G3070548		1-	A	C4
Q 1018	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	B	d4
Q 1019	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	B	d4
Q 1020	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	B	d5
Q 1021	TRANSISTOR				2SC4154-T111-1E	G3341548E		1-	B	f4
Q 1022	TRANSISTOR				DTC143ZE TL	G3070102		1-	B	e4
Q 1023	TRANSISTOR				55GN01FA-TL-H	G3070548		1-	A	C3
Q 1024	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	f3
Q 1025	TRANSISTOR				FMMTL718TA	G3070335		1-	B	f3
Q 1026	TRANSISTOR				2SC5226-5-TL	G3352268E		1-	A	C3
Q 1027	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	b4
Q 1028	IC				NJM2591V-TE1	G1094024		1-	A	F4
Q 1029	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	b4
Q 1030	IC				RA80H1415M1-101	G1095025		1-	A	C1
Q 1030	IC				RA80H1415M1-501	G1095518		126-	A	C1
Q 1031	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	B	b4
Q 1032	TRANSISTOR				2SC4215Y(TE85R.F)	G3342157Y		1-	A	F4
Q 1033	TRANSISTOR				2SC4154-T111-1E	G3341548E		1-	A	F5
Q 1034	FET				2SJ145-T111-1D	G3701458		1-	B	b3
Q 1035	IC				LA4425A-E	G1092241		1-	A	A4
Q 1036	FET				2SJ145-T111-1D	G3701458		1-	B	c4
Q 1037	FET				3SK293(TE85L.F)	G4802938A		1-	A	E4
Q 1038	IC				LM2904PWR	G1094010		1-	B	c3
Q 1039	FET				2SJ347(TE85L.F)	G3703477		1-	B	c4
Q 1040	TRANSISTOR				RT1N441U-T111-1	G3070247		1-	B	c4

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
Q 1041	FET				2SJ145-T111-1D	G3701458		1-	B	c4
Q 1042	FET				2SJ145-T111-1D	G3701458		1-	B	a5
Q 1043	IC				BU2502FS-E2	G1094524		1-	B	f5
Q 1044	IC				LM2904PWR	G1094010		1-	B	c4
Q 1045	FET				3SK293(TE85L.F)	G4802938A		1-	A	F3
Q 1046	TRANSISTOR				2SC4154-T111-1E	G3341548E		1-	B	c3
Q 1047	TRANSISTOR				2SC4154-T111-1E	G3341548E		1-	B	c3
Q 1048	IC				CD4094BPWR	G1093866		1-	A	E5
Q 1049	IC				LM2902PWR	G1094009		1-	B	b5
Q 1050	IC				LM2904PWR	G1094010		1-	B	g5
Q 1051	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	F4
Q 1052	TRANSISTOR				DTC143EE TL	G3070114		1-	A	E5
Q 1053	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	D5
Q 1054	TRANSISTOR				DTC143ZE TL	G3070102		1-	A	F5
R 1001	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	f4
R 1002	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B5
R 1003	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B5
R 1004	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B5
R 1005	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	A	B5
R 1006	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		1-	A	C5
R 1007	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	C5
R 1008	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	A	C5
R 1010	CHIP RES.	820	1/16W	5%	RMC1/16S 821JTH	J24189024		1-	A	C5
R 1011	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C5
R 1012	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C5
R 1013	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	C4
R 1014	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1015	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	d4
R 1016	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	B	d4
R 1017	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	e4
R 1018	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d4
R 1019	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1020	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d4
R 1021	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1022	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1023	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e4
R 1025	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	d4
R 1026	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1027	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	B3
R 1028	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B4
R 1029	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	B4
R 1030	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	B4
R 1031	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	B4
R 1032	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B4
R 1033	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	C5
R 1034	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	A	B4
R 1035	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C4
R 1036	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	C4
R 1037	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	A	C5
R 1038	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C4
R 1039	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	D5
R 1040	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C5
R 1041	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C5
R 1042	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C5
R 1043	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C5
R 1044	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e4
R 1045	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1046	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1047	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e4
R 1048	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e4
R 1049	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	d5
R 1050	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	C3
R 1051	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 1052	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C3
R 1053	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C3
R 1054	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	C3
R 1055	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	C3
R 1056	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	D5
R 1057	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	D5
R 1058	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	A	C5
R 1059	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	D5
R 1060	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	D5
R 1061	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D5
R 1062	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	D5
R 1063	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	D5

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Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1064	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	D4
R 1065	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1066	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e5
R 1067	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	e5
R 1068	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	f4
R 1069	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C3
R 1070	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e3
R 1071	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	C3
R 1072	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	F4
R 1073	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	D5
R 1075	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1076	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	F4
R 1077	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	F4
R 1079	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	F4
R 1081	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	F4
R 1082	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F4
R 1083	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	F4
R 1084	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1085	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1086	CHIP RES.	12k	1/16W	5%	RMC1/16S 123JTH	J24189038		1-	B	e4
R 1087	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d4
R 1088	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e4
R 1089	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e4
R 1090	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f3
R 1091	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f3
R 1092	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f3
R 1093	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f3
R 1094	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	C3
R 1095	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	C3
R 1096	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	A	C3
R 1097	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	C3
R 1098	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a5
R 1099	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	C3
R 1100	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b5
R 1101	CHIP RES.	33	1/16W	5%	RMC1/16S 330JTH	J24189007		1-	A	C3
R 1102	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	b4
R 1103	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b4
R 1104	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b4
R 1105	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1106	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1107	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F5
R 1108	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1109	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1110	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	F5
R 1111	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	A	F5
R 1112	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c4
R 1113	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 1114	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	C3
R 1115	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	A	C2
R 1116	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	C2
R 1117	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	D3
R 1118	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	b4
R 1119	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F4
R 1120	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	F4
R 1121	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	A	F4
R 1122	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F5
R 1123	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b3
R 1124	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b4
R 1125	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b3
R 1126	CHIP RES.	1	1/10W	5%	RMC1/10T 1R0J	J24205010		1-	B	g3
R 1127	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f5
R 1128	CHIP RES.	0.33	1W	10%	RMC1 R33KATE	J24309001		1-	A	B4
R 1129	CHIP RES.	10	1/16W	5%	RMC1/16S 100JTH	J24189001		1-	B	f5
R 1130	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d3
R 1131	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1133	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1134	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1135	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1136	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	A	F4
R 1137	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	E4
R 1138	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	E4
R 1139	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c4
R 1140	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	c4
R 1141	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c4
R 1142	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	f5

MAIN Unit

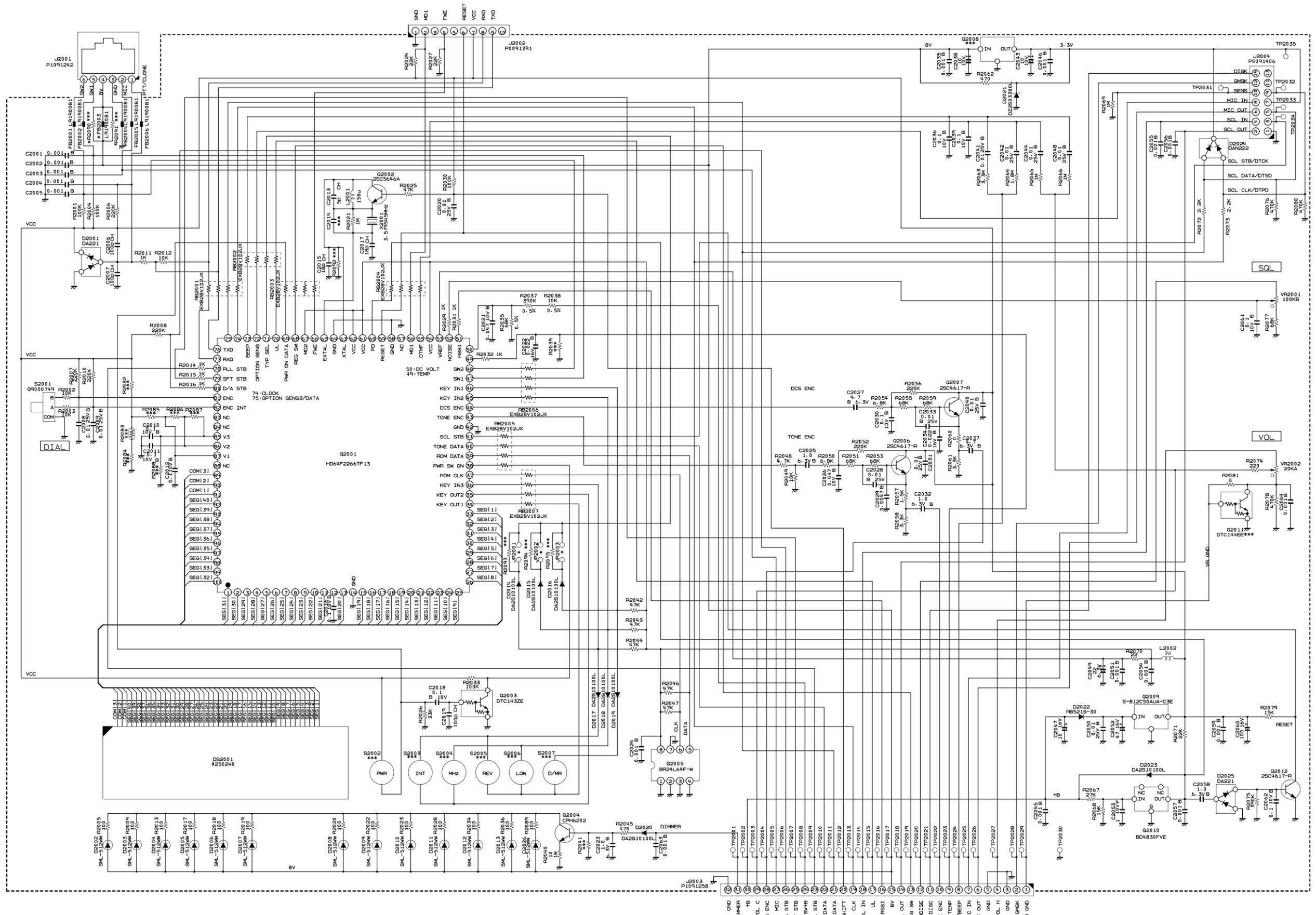
Parts List

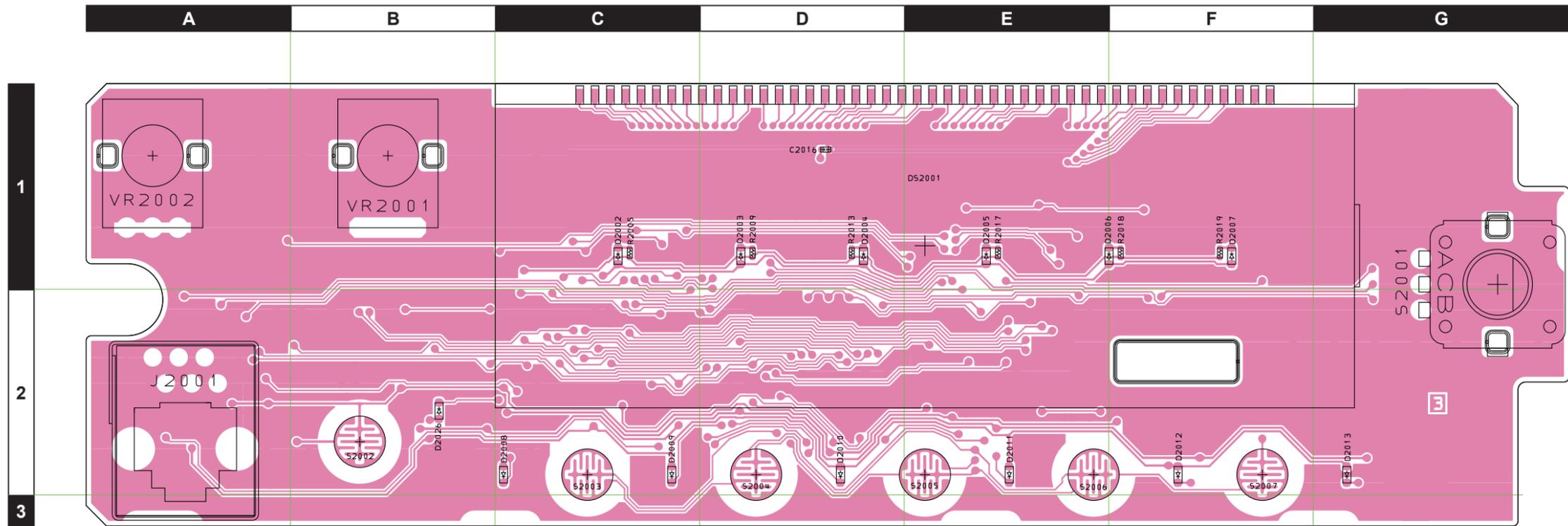
REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1143	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b5
R 1144	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	a5
R 1145	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F3
R 1146	CHIP RES.	82	1W	5%	RMC1 820JTE	J24305820		1-	A	E3
R 1147	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	c3
R 1148	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1149	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	E3
R 1150	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	E3
R 1151	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	E3
R 1152	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	E4
R 1153	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	E4
R 1155	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	E3
R 1156	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	A	E4
R 1157	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	d4
R 1158	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c4
R 1159	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	c4
R 1160	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b5
R 1161	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	a5
R 1162	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	b5
R 1163	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b5
R 1164	CHIP RES.	10k	1/16W	1%	RMC1/16 103FTP	J24183103		1-	B	b5
R 1165	CHIP RES.	100k	1/16W	1%	RMC1/16 104FTP	J24183104		1-	B	b5
R 1166	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f5
R 1167	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f5
R 1168	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f5
R 1169	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 1170	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b3
R 1171	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F3
R 1172	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	F4
R 1173	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	A	F3
R 1174	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	F3
R 1175	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	F4
R 1177	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	F3
R 1178	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F3
R 1179	CHIP RES.	680	1/16W	0.5%	MCR01MZPD6800	J24189360		1-	B	c4
R 1180	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c3
R 1181	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	c3
R 1182	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c4
R 1183	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1184	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	c3
R 1185	CHIP RES.	33k	1/16W	0.5%	MCR01MZPD3302	J24189380		1-	B	c4
R 1186	CHIP RES.	33k	1/16W	0.5%	MCR01MZPD3302	J24189380		1-	B	c4
R 1187	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	c4
R 1188	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	c4
R 1189	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	B	c4
R 1190	CHIP RES.	470k	1/16W	0.5%	MCR01MZPD4703	J24189332		1-	B	c4
R 1191	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		1-	B	b5
R 1192	CHIP RES.	68k	1/16W	1%	RMC1/16 683FTP	J24183683		1-	B	b5
R 1193	CHIP RES.	4.7k	1/16W	1%	RMC1/16 472FTP	J24183472		1-	B	b5
R 1194	CHIP RES.	4.7k	1/16W	1%	RMC1/16 472FTP	J24183472		1-	B	b5
R 1195	CHIP RES.	10k	1/16W	1%	RMC1/16 103FTP	J24183103		1-	B	a5
R 1196	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	a5
R 1197	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	b5
R 1198	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	g5
R 1199	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	g5
R 1200	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	B	g5
R 1201	CHIP RES.	220k	1/16W	0.5%	MCR01MZPD2203	J24189389		1-	B	g5
R 1202	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	B	g5
R 1203	CHIP RES.	470k	1/16W	0.5%	MCR01MZPD4703	J24189332		1-	B	g5
R 1204	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	B	g5
R 1205	CHIP RES.	56k	1/16W	0.5%	MCR01MZPD5602	J24189383		1-	B	g5
R 1206	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	a2
R 1208	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	G3
R 1209	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	A	F4
R 1210	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	F4
R 1211	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	G4
R 1212	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	c3
R 1213	CHIP RES.	2.2M	1/16W	5%	RMC1/16S 225JTH	J24189065		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.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	d3
R 1217	CHIP RES.	22k	1/16W	0.5%	MCR01MZPD2202	J24189378		1-	B	c4
R 1218	CHIP RES.	10k	1/16W	0.5%	MCR01MZPD1002	J24189374		1-	B	c4
R 1219	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b5
R 1220	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	b5

MAIN Unit

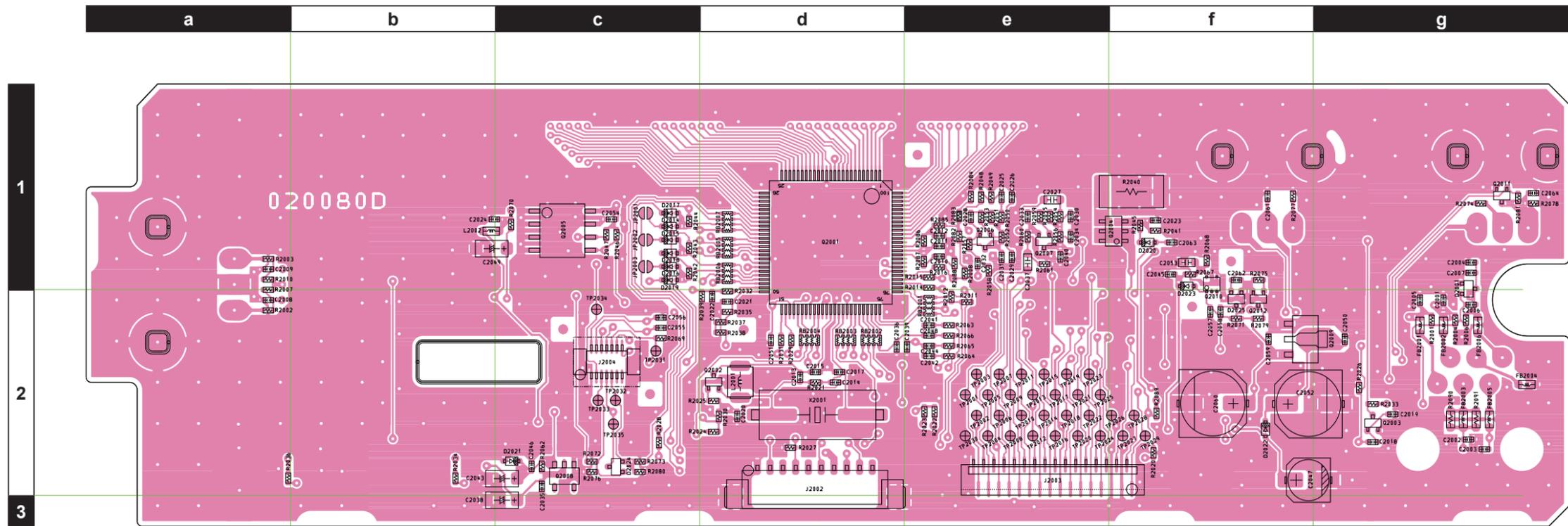
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 1221	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b5
R 1222	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b5
R 1223	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	B	b5
R 1224	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b5
R 1225	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	A	D5
R 1226	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	a2
R 1228	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b5
R 1229	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b5
R 1230	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b5
R 1231	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b5
R 1234	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	A	F4
R 1235	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	F4
R 1236	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	F4
R 1237	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	A	F4
R 1238	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b5
R 1239	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b5
R 1240	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b5
R 1241	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	b5
R 1242	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	D5
R 1243	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	A	D5
R 1244	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	c4
R 1245	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c4
R 1246	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C5
R 1247	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c4
R 1248	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	E5
R 1249	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	E5
R 1250	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	D5
R 1254	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	C3
R 1256	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	F4
R 1258	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	A	A2
TH1001	THERMISTOR				ERTJ1VV473J	G9090122		1-	A	D5
TH1002	THERMISTOR				ERTJ1VV473J	G9090122		1-	A	D3
TH1003	THERMISTOR				ERTJ0ET102J	G9090131		1-	A	C3
TH1004	THERMISTOR				ERTJ0ET102J	G9090131		1-	A	F4
TH1005	THERMISTOR				ERTJ0ET102J	G9090131		1-	A	F4
X 1001	XTAL S-6	21.25MHz			21.250MHZ	H0103315		1-	A	D5
X 1001	XTAL	21.25MHz			FTX21.250MHZ11.5SM6S-10E	H0103478		1-	A	D5
XF1001	XTAL FILTER				21.700MHZ	H1102395		1-	A	E4
XF1002	XTAL FILTER				21.700MHZ	H1102395		1-	A	E4
	SHIELD PLATE				PA	R0124501	W/ CE LABEL	1-		
	SHIELD CASE					RA0515300		1-		





(Side A)



(Side B)

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
PCB with Components is included FRONT PANEL ASSY (see Exploded View - 1)										
C 2001	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g2
C 2002	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g2
C 2003	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g2
C 2004	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g1
C 2005	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	g2
C 2006	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	g2
C 2007	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	g1
C 2008	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a2
C 2009	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a1
C 2010	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 2011	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 2012	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 2013	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CA01D	K22178207		1-	B	d2
C 2015	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JA01D	K22178218		1-	B	d2
C 2016	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	D1
C 2017	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JA01D	K22178218		1-	B	d2
C 2018	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	g2
C 2019	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JA01D	K22178236		1-	B	g2
C 2020	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 2021	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	B	d2
C 2022	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	B	d2
C 2023	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	f1
C 2024	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b1
C 2025	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e1
C 2026	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	B	e1
C 2027	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	B	e1
C 2028	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e1
C 2029	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		1-	B	e1
C 2030	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 2031	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e1
C 2032	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e1
C 2033	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e1
C 2034	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	B	e1
C 2035	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 2036	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d2
C 2037	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	B	e1
C 2038	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c3
C 2039	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e2
C 2040	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e1
C 2041	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e2
C 2042	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e2
C 2043	CHIP TA.CAP.	10uF	10V		F931A106MAA	K78100078		1-	B	c2
C 2044	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e2
C 2045	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f1
C 2046	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 2047	AL.ELECTRO.CAP.	10uF	16V		UZS1C100MCL1GB	K48120030		1-	B	f2
C 2048	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e2
C 2049	CHIP TA.CAP.	22uF	6.3V		F930J226MAA	K78080099		1-	B	b1
C 2050	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	g2
C 2051	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 2052	AL.ELECTRO.CAP.	47uF	16V		UZS1C470MCL1GB	K48120031		1-	B	f2
C 2053	CHIP CAP.	1uF	10V	F	GRM188F11A105ZA01D	K22105001		1-	B	f1
C 2054	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c1
C 2055	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 2056	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c2
C 2057	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 2058	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	f2
C 2059	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 2060	AL.ELECTRO.CAP.	100uF	16V		UWX1C101MCL1GB	K48120032		1-	B	f2
C 2061	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f1
C 2062	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f1
C 2063	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f1
C 2064	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	h1
D 2001	DIODE				DA221 TL	G2070178		1-	B	g1
D 2002	LED				SML-512WWT86	G2071104		1-	A	C1
D 2003	LED				SML-512WWT86	G2071104		1-	A	D1
D 2004	LED				SML-512WWT86	G2071104		1-	A	D1
D 2005	LED				SML-512WWT86	G2071104		1-	A	E1
D 2006	LED				SML-512WWT86	G2071104		1-	A	F1
D 2007	LED				SML-512WWT86	G2071104		1-	A	F1
D 2008	LED				SML-512WWT86	G2071104		1-	A	C2
D 2009	LED				SML-512WWT86	G2071104		1-	A	C2
D 2010	LED				SML-512WWT86	G2071104		1-	A	D2
D 2011	LED				SML-512WWT86	G2071104		1-	A	E2

CNTL Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
D 2012	LED				SML-512WWT86	G2071104		1-	A	F2
D 2013	LED				SML-512WWT86	G2071104		1-	A	G2
D 2014	DIODE				DA2S10100L	G2071340		1-	B	c1
D 2015	DIODE				DA2S10100L	G2071340		1-	B	c1
D 2016	DIODE				DA2S10100L	G2071340		1-	B	c1
D 2017	DIODE				DA2S10100L	G2071340		1-	B	c1
D 2018	DIODE				DA2S10100L	G2071340		1-	B	c1
D 2019	DIODE				DA2S10100L	G2071340		1-	B	c1
D 2020	DIODE				DA2S10100L	G2071340		1-	B	f1
D 2021	DIODE				DZ2S03300L	G2071590		1-	B	c2
D 2022	DIODE				RB521S-30 TE61	G2070642		1-	B	f2
D 2023	DIODE				DA2S10100L	G2071340		1-	B	f1
D 2024	DIODE				DAN222 TL	G2070174		1-	B	c2
D 2025	DIODE				DA221 TL	G2070178		1-	B	f2
D 2026	LED				SML-512WWT86	G2071104		1-	A	B2
DS2001	LCD				DTE106901ALZ	G6090192		1-	A	E1
FB2001	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	g2
FB2002	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	g2
FB2003	FERRITE BEADS				BK1608HS121-T	L9190081	W/O CE LABEL	1-	B	g2
FB2004	FERRITE BEADS				BK1608HS121-T	L9190081		1-	B	h2
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
J 2002	CONNECTOR				53398-1071	P0091391		1-	B	d2
J 2003	CONNECTOR				32FLT-SM2-TB(LF)(SN)(M)	P1091258		1-	B	e2
J 2004	CONNECTOR				AXK6F14347YG	P0091406		1-	B	c2
L 2001	CHIP COIL	150uH			NLV32T-151J-EF	L1691747		1-	B	d2
L 2002	M.RFC	1uH			LK1608 1R0K-T	L1690687		1-	B	b1
Q 2001	IC				HD64F2266TF13V(FLASH)	G1093813		1-	B	d1
Q 2002	TRANSISTOR				2SC5646A(TAPE)	G3356468		1-	B	d2
Q 2003	TRANSISTOR				DTC143ZE TL	G3070102		1-	B	g2
Q 2004	TRANSISTOR				CPH6202-TL	G3070265		1-	B	f1
Q 2005	IC				BR24L64F-WE2	G1093876		1-	B	c1
Q 2006	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	e1
Q 2007	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	e1
Q 2009	IC				S-812C50AUA-C3E-T2G	G1093652		1-	B	f2
Q 2010	IC				BD4830FVE-TR	G1094121		1-	B	f1
Q 2012	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	f2
R 2001	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	g2
R 2002	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a2
R 2003	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a1
R 2004	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	g2
R 2005	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	C1
R 2006	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	g2
R 2007	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a2
R 2008	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e1
R 2009	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D1
R 2010	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	a1
R 2011	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e2
R 2012	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e2
R 2013	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	D1
R 2014	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e1
R 2015	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e1
R 2016	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	e1
R 2017	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	E1
R 2018	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F1
R 2019	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F1
R 2020	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f2
R 2021	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	d2
R 2022	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e2
R 2023	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e2
R 2024	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d2
R 2025	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d2
R 2026	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	g2
R 2027	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	d2
R 2028	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c2
R 2029	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2030	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d2
R 2031	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2032	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 2033	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	g2
R 2034	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	b2
R 2035	CHIP RES.	68k	1/16W	0.5%	MCR01MZPD6802	J24189384		1-	B	d2
R 2036	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	a2
R 2037	CHIP RES.	390k	1/16W	0.5%	MCR01MZPD3903	J24189331		1-	B	d2

CNTL Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	YAESU P/N	VERS.	LOT	SIDE	LAY ADR
R 2038	CHIP RES.	10k	1/16W	0.5%	MCR01MZPD1002	J24189374		1-	B	d2
R 2040	CHIP RES.	10	1W	5%	RMC1 100JTE	J24305100		1-	B	f1
R 2042	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c1
R 2043	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c1
R 2044	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c1
R 2045	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	f1
R 2046	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c1
R 2047	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	c1
R 2048	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e1
R 2049	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 2050	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	B	e1
R 2051	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e1
R 2052	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e1
R 2053	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e1
R 2054	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	B	e1
R 2055	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e1
R 2056	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e1
R 2057	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	e1
R 2058	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	e1
R 2059	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	e1
R 2060	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e1
R 2061	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	e1
R 2062	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c2
R 2063	CHIP RES.	3.3M	1/16W	5%	RMC1/16S 335JTH	J24189324		1-	B	e2
R 2064	CHIP RES.	1.8M	1/16W	5%	RMC1/16S 185JTH	J24189064		1-	B	e2
R 2065	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 2066	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	e2
R 2067	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	f1
R 2068	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	f1
R 2069	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	c2
R 2070	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c1
R 2071	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	f2
R 2072	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c2
R 2073	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c2
R 2074	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	g1
R 2075	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	B	f1
R 2076	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c2
R 2077	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	f1
R 2078	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	h1
R 2079	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	f2
R 2080	CHIP RES.	470k	1/16W	5%	RMC1/16S 474JTH	J24189057		1-	B	c2
R 2081	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	h1
R 2089	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f2
R 2090	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220	W/ CE LABEL	1-	B	g2
R 2091	CHIP RES.	22	1/16W	5%	RMC1/16 220JATP	J24185220	W/ CE LABEL	1-	B	g2
R 2093	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	VER B2	1-		
R 2093	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	VER B3	1-		
R 2094	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	VER B2	1-		
R 2095	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	VER A2	1-		
RB2001	BLOCK RES.				EXB28V102JX	J42900053		1-	B	e2
RB2002	BLOCK RES.				EXB28V102JX	J42900053		1-	B	d2
RB2003	BLOCK RES.				EXB28V102JX	J42900053		1-	B	d2
RB2004	BLOCK RES.				EXB28V102JX	J42900053		1-	B	d2
RB2005	BLOCK RES.				EXB28V102JX	J42900053		1-	B	d1
RB2006	BLOCK RES.				EXB28V102JX	J42900053		1-	B	d1
RB2007	BLOCK RES.				EXB28V102JX	J42900053		1-	B	d1
S 2001	ROTARY ENCODER				EC12E2420401	Q9000749		1-	A	G1
VR2001	POT.				WH9011-1B B100K 30/5	J60800304		1-	A	B1
VR2002	POT.				WH9011-1B A20K 30/5	J60800305		1-	A	A1
X 2001	XTAL U3B	3.579545MHz			3.579545MHZ	H0103304		1-	B	d2



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