

**UHF Exciter Board - Parts List**

<u>SYMBOL</u>	<u>DESCRIPTION</u>
C101	Capacitor, Ceramic, 0.01uF, +/-20%, 50 VDC
C102	Capacitor, Tantalum, 22uF, +/-20%, 15 VDC
C103	Capacitor, Ceramic, 0.01uF, +/-20%, 50 VDC
C104-C112	Capacitor, Ceramic, 470pF, +/-20%, 50 VDC
C114	Capacitor, Tantalum, 10uF, +/-20%, 16 VDC
C115	Capacitor, Ceramic, 0.01uF, +/-20%, 50 VDC
C116	Capacitor, Ceramic disk, 1000pF, +/-10%, 50 VDC
C117	Capacitor, Tantalum, 22uF, +/-20%, 15 VDC
C118	Capacitor, Ceramic disk, 27pF, +/-5%, 500 VDC
C119	Capacitor, Phenolic, 1.5pF, +/-5%, 500 VDC
C120	Capacitor, Ceramic, 0.01uF, +/-20%, 50 VDC
C121	Capacitor, Ceramic disk, 27pF, +/-5%, 500 VDC
C122	Capacitor, Ceramic disk, 20pF, +/-5%, 500 VDC
C124	Capacitor, Mica, 100pF, +/-5%, 500 VDC
C125	Capacitor, Ceramic, 2700pF, +/-20%, 50 VDC
C126	Capacitor, Ceramic, 470pF, +/-20%, 50 VDC
C127	Capacitor, Ceramic, 2700pF, +/-20%, 50 VDC
C128	Capacitor, Ceramic, 0.01uF, +/-20%, 50 VDC
C129	Capacitor, Ceramic, 0.01uF, +/-20%, 50 VDC
C130	Capacitor, Tantalum, 1uF, +/-20%, 35 VDC
C131	Capacitor, Phenolic, .75pF, +/-5%, 500 VDC
C132	Capacitor, Ceramic, 1000pF, +/-10%, 50 VDC
C133	Capacitor, Ceramic disk, 150pF, +/-20%, 1000 VDC
C134	Capacitor, Ceramic disk, 1000pF, +/-20%, 1000 VDC
C135	Capacitor, Ceramic, 1000pF, +/-10%, 50 VDC
C136	Capacitor, Ceramic disk, 1000pF, +/-20%, 1000 VDC
C137	Capacitor, Phenolic, 0.68pF, +/-5%, 500 VDC
C138	Capacitor, Ceramic disk, 39pF, +/-5%, 500 VDC
C139	Capacitor, Ceramic, 470pF, +/-20%, 50 VDC
C141	Capacitor, Ceramic disk, 150pF, +/-20%, 1000 VDC
C143	Capacitor, Mica, 39pF, +/-5%, 500 VDC
C144	Capacitor, Ceramic, 0.047pF, +/-10%, 50 VDC
C145	Capacitor, Ceramic disk, 15pF, +/-5%, 500 VDC
C146	Capacitor, Phenolic, 0.56pF, +/-5%, 500 VDC
C147	Capacitor, Ceramic disk, 15pF, +/-5%, 500 VDC
C148	Capacitor, Ceramic disk, 30pF, +/-5%, 500 VDC
C149	Capacitor, Ceramic disk, 150pF, +/-20%, 1000 VDC
C151	Capacitor, Ceramic, 330pF, +/-10%, 50 VDC
C152	Capacitor, Ceramic disk, 3pF, +/-0.5pF, 500 VDC, Temp coef 0 PPM
C154	Capacitor, Ceramic disk, 1000pF, +/-20%, 1000 VDC
C155	Capacitor, Variable, 2.04-9.9pF, 250 VDC
C156	Capacitor, Phenolic, 1.2pF, +/-5%, 500 VDC
C157	Capacitor, Variable, 2.04-9.9pF, 250 VDC
C158	Capacitor, Ceramic, 330pF, +/-20%, 50 VDC
C161	Capacitor, Ceramic disk, 5pF, +/-5%, 500 VDC, Temp coef -80 PPM
C162	Capacitor, Ceramic disk, 47pF, +/-5%, 500 VDC, Temp coef -150 PPM
C163	Capacitor, Ceramic disk, 30pF, +/-5%, 500 VDC, Temp coef -80 PPM
C164	Capacitor, Ceramic disk, 150pF, +/-20%, 1000 VDC
C165	Capacitor, Mica, 18pF, +/-5%, 500 VDC
C166	Capacitor, Ceramic disk, 3pF, +/-0.5pF, 500 VDC, Temp coef 0 PPM
C167	Capacitor, Variable, 2.04-9.9pF, 250 VDC
C168	Capacitor, Ceramic disk, 47pF, +/-5%, 500 VDC, Temp coef -150 PPM
C171	Capacitor, Variable, 2.04-9.9pF, 250 VDC
C172	Capacitor, Polyester, 0.1uF, +/-10%, 50 VDC

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<u>SYMBOL</u>	<u>DESCRIPTION</u>
C175	Capacitor, Variable, 2.04-9.9pF, 250 VDC
C176	Capacitor, Ceramic disk, 1000pF, +/-20%, 1000 VDC
C177	Capacitor, Tantalum, 22uF, +/-20%, 15 VDC
C183	Capacitor, Polyester, 0.01uF, +/-10%, 50 VDC
C192	Capacitor, Ceramic disk, 18pF, +/-5%, 500 VDC, Temp coef -80 PPM
C193	Capacitor, Ceramic disk, 27pF, +/-5%, 500 VDC, Temp coef -80 PPM
C194	Capacitor, Ceramic disk, 8pF, +/-5%, 500 VDC, Temp coef -80 PPM
C195	Capacitor, Ceramic disk, 6pF, +/-0.5pF, 500 VDC, Temp coef 0 PPM
*****	*****
L101	Coil, Sim to GE #19A130255P3
L104	Coil, Sim to GE #19A130255P2
L105	Coil, Sim to GE #19A130443P1
L106	Coil, Sim to GE #19A130443P2
L107	Coil, Sim to GE #19A130255P2
L108	Coil, Sim to GE #19A130443P1
L109	Coil, Sim to GE #19A130443P2
L111	Coil, RF, 150nH, +/-10%
L112	Coil, RF, 470nH, +/-10%
L114	Coil, RF, 470nH, +/-10%
L115	Coil, RF, 150nH, +/-10%
L116	Coil, RF, 100nH, +/-10%, 0.08 ohms DC resistance max, 100 VDC
*****	*****
Q101	Transistor, Silicon, 2N3904
Q102	Transistor, Silicon, MPS2369
Q103	Transistor, Silicon, NPN, Sim to GE #19A115328P1
Q104	Transistor, Silicon, NPN, Sim to GE #19A116899P1
Q105	Transistor, Silicon, NPN, Sim to GE #19A116201P3
Q106	Transistor, Silicon, NPN, Sim to GE #19A116201P3
Q107	Transistor, Silicon, NPN, Sim to GE #19A116201P4
*****	*****
R101	Resistor, Composition, 620 ohms, +/-5%, 1/4 W.
R102	Resistor, Composition, 1k ohms, +/-5%, 1/4 W.
R103	Resistor, Variable, Cermet, 4.7k ohms, +/-10%, 1/2 W.
R104	Resistor, Variable, Cermet, 4.7k ohms, +/-10%, 1/2 W.
R105	Resistor, Composition, 39k ohms, +/-5%, 1/4 W.
R106	Resistor, Metal film, 4.22k ohms, +/-1%, 250 VDC, 1/4 W.
R107	Resistor, Metal film, 511 ohms, +/-1%, 1/4 W.
R108	Resistor, Metal film, 9.31k ohms, +/-1%, 1/4 W.
R109	Resistor, Metal film, 4.6k ohms, +/-1%, 1/4 W.
R110	Resistor, Metal film, 140 ohms, +/-1%, 1/4 W.
R111	Resistor, Composition, 560 ohms, +/-5%, 1/4 W.
R112	Resistor, Composition, 510 ohms, +/-5%, 1/4 W.
R113	Resistor, Composition, 820 ohms, +/-5%, 1/4 W.
R114	Resistor, Composition, 22k ohms, +/-5%, 1/4 W.
R115	Resistor, Composition, 1k ohms, +/-5%, 1/4 W.
R116	Resistor, Composition, 180 ohms, +/-5%, 1/4 W.
R117	Resistor, Composition, 27k ohms, +/-5%, 1/4 W.
R118	Resistor, Composition, 120 ohms, +/-5%, 1/4 W.
R120	Resistor, Composition, 100 ohms, +/-5%, 1/4 W.
R121	Resistor, Composition, 180 ohms, +/-5%, 1/4 W.
R122	Resistor, Composition, 47k ohms, +/-5%, 1/4 W.
R123	Resistor, Composition, 100 ohms, +/-5%, 1/4 W.
R124	Resistor, Composition, 10 ohms, +/-5%, 1/8 W.

R125 Resistor, Composition, 560 ohms, +/-5%, 1/4 W.

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<u>SYMBOL</u>	<u>DESCRIPTION</u>
R126	Resistor, Composition, 1k ohms, +/-5%, 1/4 W.
R127	Resistor, Composition, 22 ohms, +/-5%, 1/4 W.
R128	Resistor, Composition, 68 ohms, +/-5%, 1/4 W.
R129	Resistor, Composition, 10 ohms, +/-5%, 1/4 W.
R132	Resistor, Composition, 330 ohms, +/-5%, 1/4 W.
R133	Resistor, Composition, 1k ohms, +/-5%, 1/4 W.
R134	Resistor, Composition, 15 ohms, +/-5%, 1/4 W.
R135	Resistor, Composition, 47 ohms, +/-5%, 1/2 W.
R137	Resistor, Composition, 2.2k ohms, +/-5%, 1/4 W.
R138	Resistor, Composition, 100 ohms, +/-5%, 1/4 W.
R139	Resistor, Composition, 10 ohms, +/-5%, 1/4 W.
R141	Resistor, Composition, 47 ohms, +/-5%, 1/2 W.
R142	Resistor, Composition, 1k ohms, +/-5%, 1/4 W.
*****	*****
RT101	Thermistor, 50 ohms, +/-10%, color code blue
*****	*****
T101	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-2
T102	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-3
T103	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-4
T104	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-5
T105	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-6
T106	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-8
T107	Coil, RF, Variable, #20AWG, Sim to Paul Co. Sample #093574-DS-8
*****	*****
Z101	Frequency Network, Selective, 460-600 MHZ resonant freq, 500 VDC, Sim to Dilectron TC501:NPO:270J:SLAC
*****	*****
Y101-Y108	Oscillator, FM-ICOM, Internally Compensated, +/-5PPM, 450-470 MHZ, Sim to GE #19A130605G4