

6 SEP 2002

Parts List for 3 GHz U/D Converter Project

Chip Capacitors and resistors are the 0603 size components

3 ea 51 ohm	R2, R4, R5
2 ea 68 ohm	R6, R7
2 ea 100 ohm	R3, R11
1 ea 470 ohm	R8
1 ea 510 ohm	R1

6 ea 100 pF	C1, C2, C8, C10, C11, C13
8 ea 220 pF	C3, C4, C5, C6, C12, C14, C17, C18
4 ea 680 pG	C7, C9, C15, C16

3 ea 1 uH RFC	L1, L2, L3
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2 ea diodes, each has 3 leads.

4 ea ERA3 MMIC Amplifiers IC1 thru IC4

1 ea Mixer	Marked 154001 PMC 9549
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1 ea DRO Synthesizer, operates from regulated +10VDC, needs external 10 MHz reference oscillator,

Remember to scrape the resist off all the pcb locations which must be soldered, e.g the input and output pads and the mixer base and pads. The four corner holes in the pcb are all plated thru and grounded. Use 1000 pF feedthrus for all power leads coming into your shielded enclosure.