

OZ MOD Version 3.0 Revised: 2-26-2004
Bill Of Materials

| Item | Quantity | Reference | Value | Part Number | CAD Package type | Cost (ea) |
|------|----------|------------------------|-------------|--|------------------------------|-----------|
| 1 | 3 | C1,C2,C3 | 150uf | 399-1608-1-nd CAPACITOR TANT 150UF 16V 10% SMD | sm/ct_7343_12 | 2.22 |
| 2 | 3 | C4,C5,C12 | .1uf | 399-1267-1-nd CAP .10UF 50V CERAMIC X7R 1210 | sm/c_1210 | 0.363 |
| 3 | 4 | C6,C9,C11,C14 | 22Pf | 399-1113-1-nd CAP CERAMIC 22PF 50V NP0 0805 | sm/c_0805 | 0.097 |
| 4 | 1 | C7 | 10uf | 399-1655-2-ND Kemet T491D106M035AS Precision molded tantalum chip capacitor, 10 uF, 35 V, capacitance tolerance (+/-) 20%, D case style, surface mount termination | sm/ct_7343_12 | 0.65 |
| 5 | 1 | C8 | .001UF | pcf1012ct-nd CAP .001UF 50V UF(B) FILM SMD | sm/c_0805 | 0.49 |
| 6 | 1 | C13 | 1uf | PCC2248CT-ND CAP 1.0UF 100V CERAMIC X7R 1812 | sm/c_1812 | 1.54 |
| 7 | 1 | C19 | .047UF | pcc1808ct-nd CAP 47000PF 16V CERM X7R 0805 | sm/c_0805 | 0.088 |
| 8 | 1 | C20 | 0.33 | pcc1817ct-nd CAP .33UF 16V CERAMIC X7R 0805 | sm/c_0805 | 0.24 |
| 9 | 1 | D1 | MBRS140T3 | MBRS140T3O3CT-ND DIODE SCHOTTKY 40V 1A SMB | sm/do214aa_21 | 0.4 |
| 10 | 1 | H1 | 5X1_header | Wires solder into board | blkcon.100/vh/tm1sq/w.100/5 | |
| 11 | 7 | H2,H4,H6,H7,H8,H9,H10 | 2X1_header | Wires solder into board | blkcon.100/vh/tm1sq/w.100/2 | |
| 12 | 1 | H3 | 6X1_header | A208-ND Pin line socket | blkcon.100/vh/tm1sq/w.100/6 | 2.47 |
| 13 | 1 | H5 | 14X1_header | Wires solder into board | blkcon.100/vh/tm1sq/w.100/14 | |
| 14 | 1 | JP1 | VCC_Jumper | Wire jumper (solder in) | blkcon.100/vh/tm1sq/w.100/2 | |
| 15 | 1 | L1 | 100uh | m6068ct-nd INDUCTOR 100UH 5% 1812 SMD | sm/l_1812 | 0.6 |
| 16 | 6 | R2,R19,R20,R21,R22,R23 | 10K | p10.0kcct-nd 1/10W 1% 0805 SMD | sm/r_0805 | 0.091 |
| 17 | 2 | R3,R4 | 7.5K | p7.5kcct-nd 1/10W 1% 0805 SMD | sm/r_0805 | 0.091 |
| 18 | 1 | R7 | 1Meg | p1.00mcct-nd 1/10W 1% 0805 SMD | sm/r_0805 | 0.091 |
| 19 | 2 | R17,R18 | 2k | p2.00kcct-nd 1/10W 1% 0805 SMD | sm/r_0805 | 0.091 |
| 20 | 3 | R24R25,R26 | 100 | p100act-nd 1/8W 5% 0805 SMD | sm/r_0805 | 0.077 |
| 21 | 1 | U1 | MAX660 | max660m-nd IC CONVERTER SWITCH CAP 8-SOIC | sog.050/8/wg.275/l.250 | 1.46 |
| 22 | 1 | U2 | LM2936Z-5.0 | lm2936z-5.0-nd IC REG ULTRA LOW CURRENT TO- 92 | TO92/100 | 2.54 |
| 23 | 1 | U3 | PIC16F873 | pic16f873-20/so-nd IC MCU FLASH 4KX14 EE 28SOIC | sog.050/28/wg.420/l.725 | 7.63 |
| 24 | 1 | U4 | MC145170D2 | MC145170D2-ND IC SERIAL PLL FREQ SYNTH 16-SOIC | sog.050/16/wg.244/l.425 | 4.95 |
| 25 | 1 | X1 | 2Mhz | ctx068-nd CRYSTAL 2.0MHZ HC-49, 20PF | polcon.156/rh/tm1sq/w.800/2 | 3.22 |
| 26 | 1 | X2 | 20Mhz | x036-nd CRYSTAL 20.00MHZ 20PF HC-49/UA | polcon.156/rh/tm1sq/w.800/2 | 0.4 |

Note: Toplevel schematic items other than LCD display are not on this list. The diode on the toplevel schematic is the same as D1.

| Top level schematic item | | | | | | |
|--------------------------|---|-------------|-----------|------------|--|-------|
| 27 | 1 | LCD Display | 16X2 Char | 73-1025-ND | | 15.33 |

| Do not order parts below for RX1 build. Only for use with Foxfinder-80 Receiver | | | | | | |
|---|---|-------------|--------|---------------|-----------|--|
| 28 | 2 | R12,R15 | 10k | p10.0kcct-nd | sm/r_0805 | |
| 29 | 1 | R8 | 100 | p100cct-nd | sm/r_0805 | |
| 30 | 1 | R9 | 0 | p0.0act-nd | sm/r_0805 | |
| 31 | 1 | R11 | 220 | p220act-nd | sm/r_0805 | |
| 32 | 1 | R6,R14 | 1k | p1.00kcct-nd | sm/r_0805 | |
| 33 | 1 | L2 | 100uh | m6068ct-nd | sm/l_1812 | |
| 34 | 3 | C15,C16,C18 | 1uf | PCC2248CT-ND | sm/c_1812 | |
| 35 | 1 | C17 | .001UF | pcf1012ct-nd | sm/c_0805 | |
| 36 | 1 | C10 | .1uf | 399-1267-1-nd | sm/c_1210 | |
| 37 | 1 | J1 | MPF102 | 276-2062 | TO92/100 | |