



Fox Delta

Amateur Radio Projects & Kits

FoxEcho-K7

FoxEcho- K7 Kit Parts List: Advanced PIC 16F84A Echo Link Interface

FoxEcho- K7 Parts List: Revision 0808

| Quantity | Part Details /ID |
|----------|-----------------------------------|
| 1 | DB9F RS232 Connector R/A J2 |
| 1 | DIN5 PCB Connector J6 |
| 3 | Stereo Sockets 3.5mm J3, 4, 5 |
| 1 | DC Connector - J1 |
| 2 | 4N33 DIP6 |
| 1 | MAX232 - U3 |
| 1 | Crystal 3.57MHZ HC49U/S |
| 1 | MT8870 U2 |
| 1 | PIC16F84A (Foxecho.hex) - U1 |
| 1 | 7805 +5V Regulator - U6 |
| 1 | 74HC04 - U5 |
| 4 | BC547B |
| 2 | BC548C (Q1, Q3) |
| 1 | RFC 47uh (RFC1) |
| 1 | HFE4053 or 74HC4053 PDIP U4 |
| 1 | 1N4001 - D4 |
| 5 | 1N4148 - D1, 2, 3, 5, 6 |
| 4 | LED 3mm (2Red, 1 Yellow 1 Green) |
| 2 | Bourns Preset 100K - RV1, 2 |
| 1 | Bourns Preset 10K - RV3 |
| 5 | Headers with shorting pins |
| 1 | Aluminum Case With nuts & Bolts |
| 1 | DIN5 Male for Transceiver Conn. |
| 2 | 16 DIP Socket |
| 1 | 14 DIP Socket |
| 2 | 18 DIP Socket |
| 2 | 6 DIP Sockets |
| 2 | Isolation Transformers |
| 1 | FoxEcho-K7 Double Sided PTH Board |

| Resistors- All 1/4W | |
|--|-------------------|
| R1, 17 | 2.2K (2) |
| R 5, 6, 7, 8, 9, 10, 15, 16, 21 | 1k (9) |
| R4, 11, 12, 18 | 10k (4) |
| R3 | 470 (1) |
| R2 | 330 (1) |
| R13, 14, 23 | 100K (3) |
| R19 | 270 (1) |
| R20 | 330K (1) |
| R22 | 4.7K (1) |
| Total=23 | |
| Capacitors: | |
| C1, 2, 2A, 4, 6, 8, 9, 10, 11, 12, 16 | 0.1uf (11) |
| C3, 5, CX, RCX | 0.001uf (4) |
| C13, 14 | 15pf Ceramic (2) |
| C15 | 10uf 35V Tan. (1) |
| C7, 17, 18, 19, 20, 21, 22, 23, 24, 25 | 1uf 35V Tan. (10) |
| Total=28 | |
| Other: | |
| 4 | Rubber Spacers |
| 4 | Nut & Bolts |
| 4 | Metal Screws |



Silk snap of the FoxEcho-K7 Interface: Revision 0808

