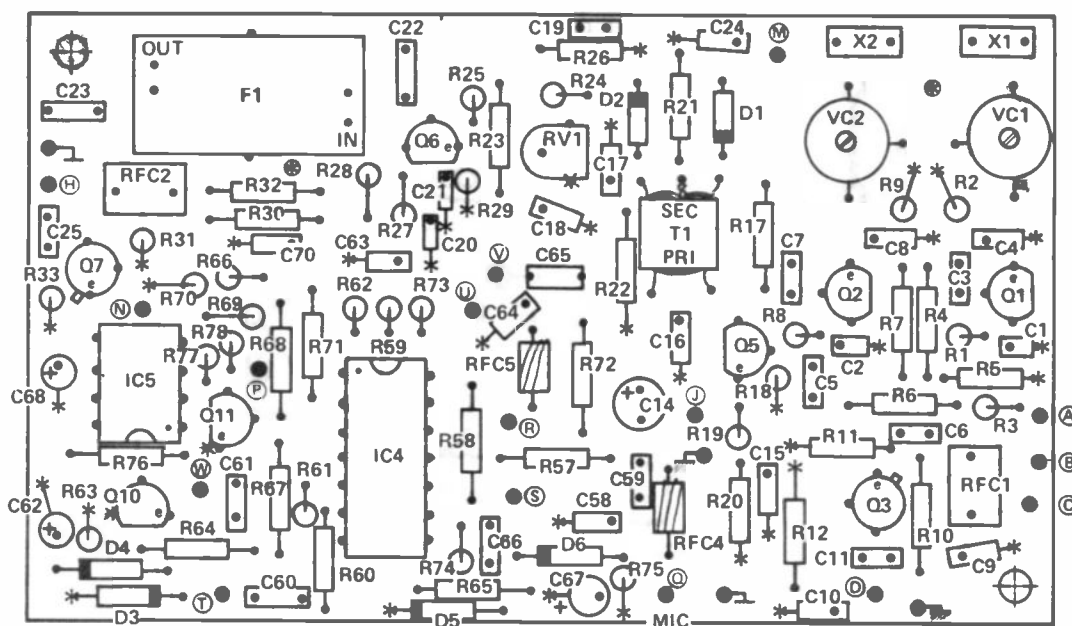
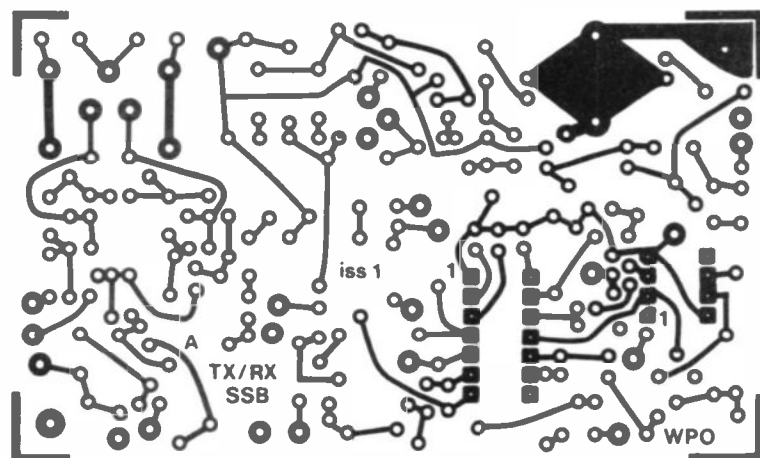




- = CONNECTION PIN
 ⊗ = CONNECTION PIN SOLDERED BOTH SIDES
 * = LEAD SOLDERED TO TOP OF FOIL

Overlay for Tx/Rx SSB Adaptor PCB



C4,8 150p ceramic plaquette
 C5,6,11,19,22,23,25,28 1n0 ceramic disc
 C12 470n or 1u axial electro 16v
 C13,14,26,34,40,42,43,44,45,46,47,48,53 10uF/16V radial electro
 C16,29,35,61,63,66 100n monolithic ceramic
 C27,30,62,67 2u2 tantalum bead 16v
 C31 4n7 mylar
 C32,33,56,55 6n8 mylar
 C36 680p ceramic plaquette
 C38 100uF/16V radial electro
 C49,50,52 27n mylar (22n + 4n7)
 C51 12n mylar (10n + 2n2)
 C57 2n2 mylar
 C58 330p ceramic plaquette
 C68 10uF/16V tantalum

VC1,2 3-36pF 7.5mm film trimmer
 Q1,2,4,5,6,8,11 BC239
 Q3,7 2N2369A or BSX20
 Q9 BFY51
 Q10 BC308
 IC1 TOKOKB4417
 IC2 741 (8 pin DIL)
 IC3 LF353
 IC4 LM3900
 IC5 NE555
 RFC1,2 TOKO 100uH 7BA (marked 101)
 RFC3,4,5 5 turnson F Bead
 T1 6 turn primary, 6 turn CT secondary on Fair Rite balun core 28-43002402 wound using

0.2mm en Cu wire.

F1 Nikko Denshi 10.7MHz SSB filter type 10M22D

X1 HC/18U 10.7015MHz
 X2 HC/18U 10.6985MHz

Miscellaneous

8 off 1n0 screw-in FT capacitors; 1 off diecast box RS 509-989; 3 off single hole phono sockets; 2 off min. Belling Lee sockets. 1mm PCB connection pins.

Mode Switch

1 off RS miniature switch mechanism 327-311; 3 off RS 2p 6w wafers 327-355.

Kits of Parts

A kit of parts for this unit is available from WPO Communications for £59.50 inc VAT and P&P. It includes both PCBs, all components, pots and phono/Belling connectors. Diecast boxes are £3.75 ea. inc, and the Mode switch is £6.90 inc. PCBs alone are £5.00 a pair.

Screw-in Feedthrough Capacitors are available from AJH Electronics (20 Barby Lane, Hillmorton, Rugby - 0788 76473) @ 40p each + 60p P&P.

A suitable case for the whole project is to be made available later. It will include a punched and screened front panel.