

or LSB reception, and then using the other wafers to switch in an appropriate Tx AF oscillator – it would also be necessary to arrange for the logic control input line to be held low all the time the AF oscillator was running.

The switch routes the necessary control voltages to the correct points for each mode both in transmit and receive. Note that the front panel switches for VOX/PTT and manual Tx/Rx are arranged so that the PTT cannot be used while VOX is in use, nor can any of the manual Tx selectors be used for CW – this being controlled by the key alone. While the former wiring can be re-arranged if needed, the latter cannot due to the way the CIFPU operates on CW (there will be a spacer wave while the key is up).

When assembling the switch unit, be careful that the wafers are orientated with the pink centre part facing you, looking at the back of the mechanism with all the wafers the same way round, otherwise the switch will not work properly (check that it selects properly before doing any wiring). With all wafers in place (no spacers are needed between the wafers) the excess studding and shaft should be measured and removed. It would be prudent to leave space for another wafer – future developments may need additional poles available and this will avoid replacing the switch mechanism.

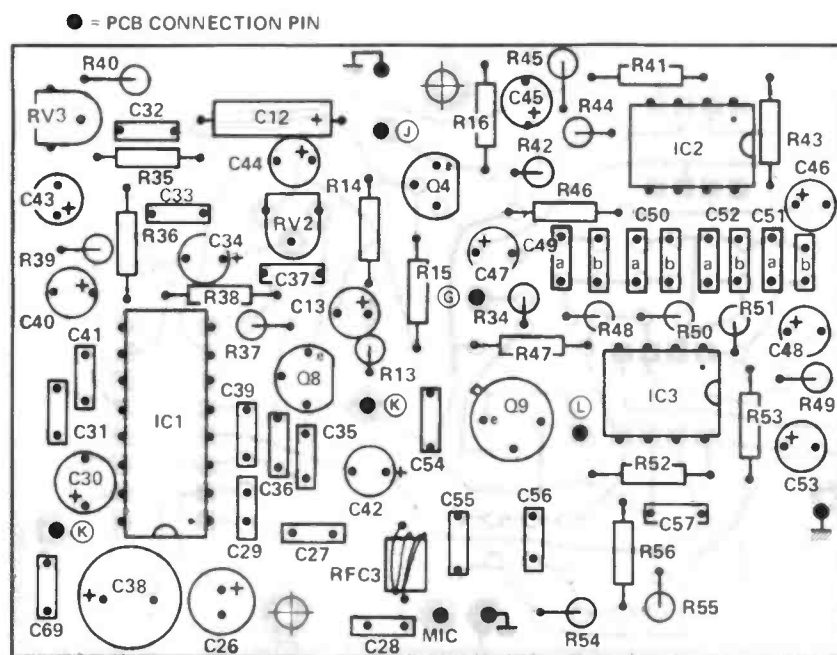
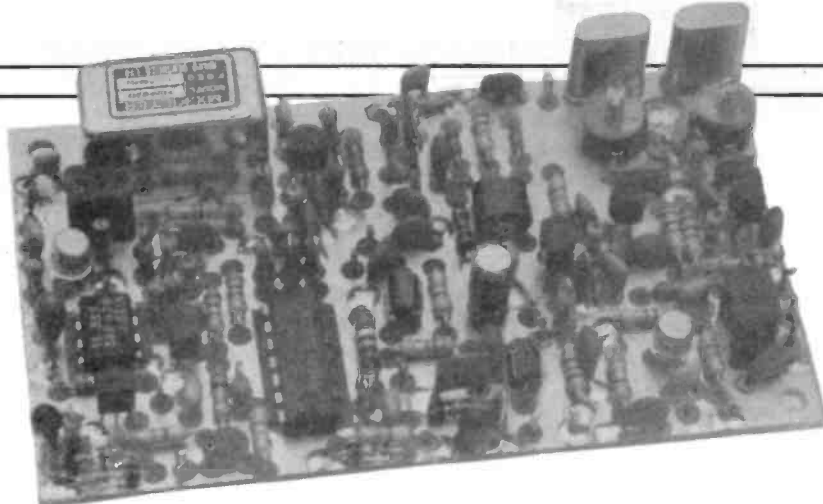
## COMPONENTS LISTING

R1,8	39k
R2,9,42,45,47,49	27k
R3,6,23,70	220R
R4,7,34,78	1k0
R5,27,32,33,57	100R
R10,17,25,60,64,65,72	47k
R11,13,18,26	6k8
R12,16	330R
R14	15k
R15,21,37,38	22k
R19	82R
R20,29	150R
R22,41,43,44	2k2
R24	470R
R28,31	560R
R30	3k3
R35,36,40,63,75,76,77	10k
R39	470k
R46,52	56R
R48	2k2 2% metal oxide
R50	9k1 2% metal oxide
R51	100k 2% metal oxide
R53,54,56	10k 2% metal oxide

R55	20k 2% metal oxide
R58	390k 2% metal oxide
R59,73	10M0
R61,68,71	1M0
R62	2M2
R66	12k
R67,69	100k
R74	4M7

All resistors 5% carbon film 0.25w

unless stated otherwise	
RV1	100R 10mm vert. preset
RV2,3	4k7 10mm vert. preset
RV4	10k ALPS Lin VM10R pot
RV5	5k ALPS Lin VM10R pot
RV6	100k ALPS Lin VM10R pot
C1,2,9,10,15,17,18,20,21,24,37,39,41,54,59,60,64,65,69	10n ceramic disc
C3,7	270p ceramic plaquette



Overlay for AF Processor PCB

