



Technical Note TN-555
**Instruction for fitting
T2000-A66 (UART) with
T2000-A80 (Line Interface).**

01 March 1999

Applicability

This technical note applies to T2030, T2035 & T2040 radios with logic PCB 220-01344-00 or later.

T2030 requires s/w ver 3.24 (or later) Pgm ver 1.26 (or later)

T2035 requires s/w ver 3.29 (or later) Pgm ver 1.26 (or later)

T2040 requires s/w ver 5.36 (or later) Pgm ver 2.57 (or later)

1. Introduction.

Details

This technical note describes the modifications required to use a T2000-A66 Single Port UART Interface in conjunction with a T2000-A80 Line Interface.

The Line Interface and UART Interface both use the rear D-Range connector. Modification to the Line Interface allows both Interfaces to be used together.

Communication with the T2000-A66 is via 3 spare pins on S21 (15way rear D-Range connector) of the Line interface PCB. See table in section 3 for details.

2. Modifications to Line Interface

**Components
Required**

4 x Res Zero ohm Chip 0805 Tait IPN 036-10000-00

Details

1. Replace R103, R104, R126 and R127 with zero ohm chip resistors.
2. Fit the T2000-A80 according to the instructions supplied with the kit or refer to the T2000 Service Manual.

3. Modifications to UART Interface.

- Details**
1. Discard the Decoupling PCB supplied with the T2000-A66 kit.
 2. Shorten the connecting loom to approx. 90mm.
 3. Mount the T2000-A66 according to the instructions supplied with the kit or refer to the T2000 Service Manual.
 4. Solder 3 wires of the connecting loom to the Line Interface PCB according to the following table: (see fig.1 below.)

Signal	T2000-A66 (SKT2)	T2000-A80 (I/O pad)	Rear D-Range (S21)
TXD	Pin 2	S22	Pin 8
RXD	Pin 3	S23	Pin 7
DGND	Pin 1	S25	Pin 9
DGND	Pin 4	N/C	

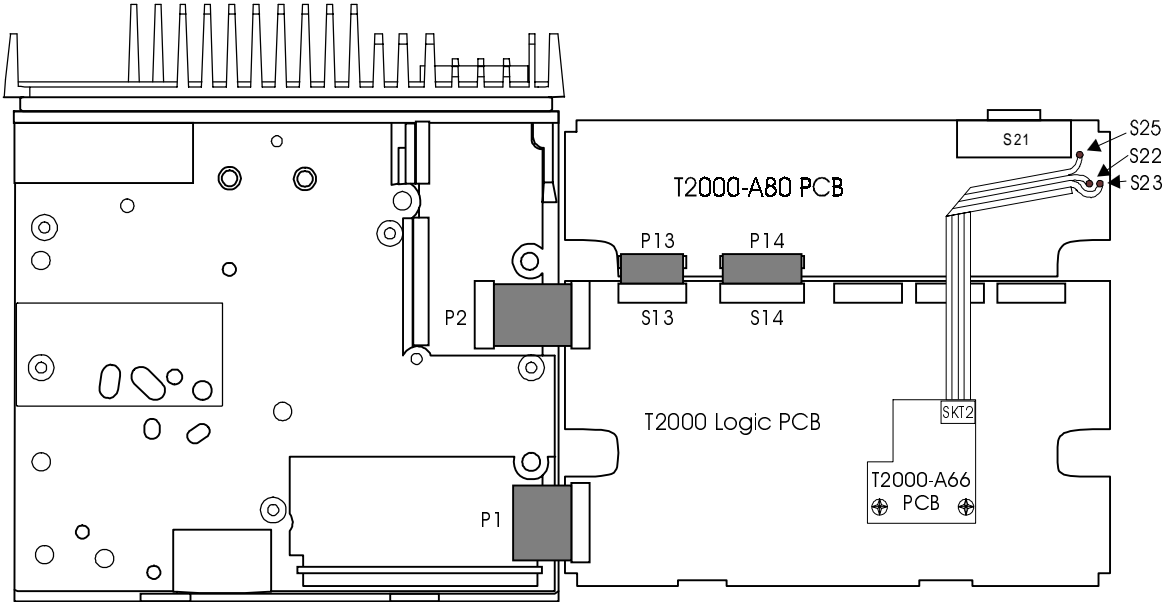


fig.1

4. Issuing authority

Name and position of issuing officer Rob Haughey
 MRD Mobiles Design Support