

## 6.9 Replacing the Subrack Interconnect Board

There are two types of subrack interconnect board available, as described in the following table.

Interconnect Board	Description
single base station	for single base stations with PMU
dual base station	<ul style="list-style-type: none"><li>■ for dual base stations with PMU</li><li>■ for single and dual base stations with 12V PA</li></ul>

Figure 6.2 on page 99 shows the two types of board, and “Switch Settings” on page 100 explains the settings for the switches on the dual base station board.

### Removal

1. If you have not already done so, carry out the instructions in “Preliminary Disassembly” on page 88, and remove the control panel, as described in “Replacing the Control Panel” on page 89.
2. Disconnect any system control bus cables.
3. Remove the M3 nuts and spring washers ① securing the interconnect board to the subrack, as shown in Figure 6.2.
4. Remove the board. If you are changing the type of board, also remove the insulator ②.

### Refitting

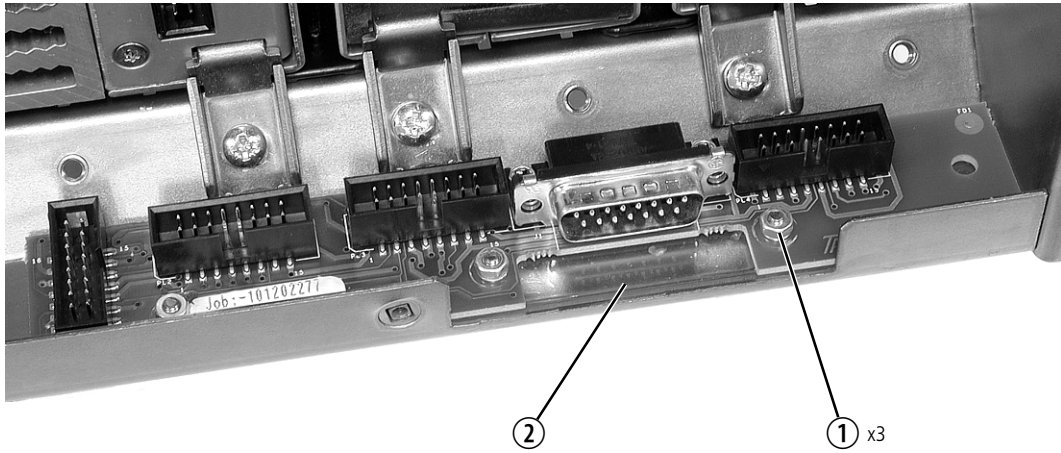
1. If previously removed, replace the insulator. If you are changing the type of board, you must fit the matching insulator.
2. Refit the board and secure with the M3 nuts and spring washers.
3. If you have fitted a dual base station interconnect board, set the switches of S1 ③ as described in “Switch Settings” on page 100.
4. Reconnect the system control bus cables as shown in Figure 6.2.



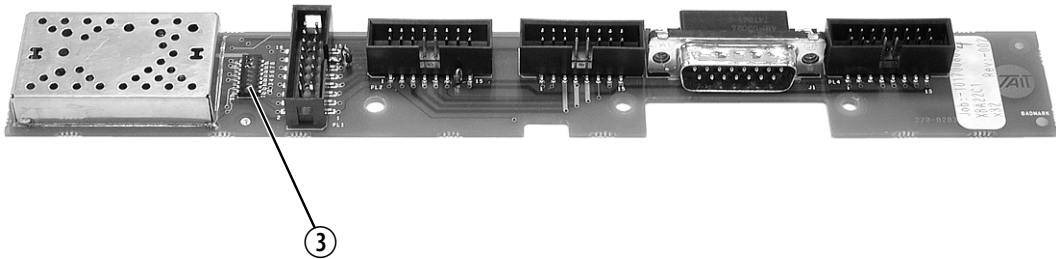
**Note** The system control bus connections shown in Figure 6.2 apply to all single and dual base station systems.

**Figure 6.2 Replacing the subrack interconnect board**

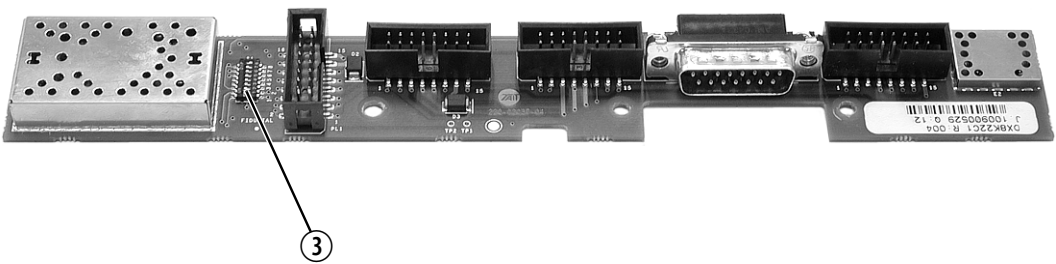
single base station



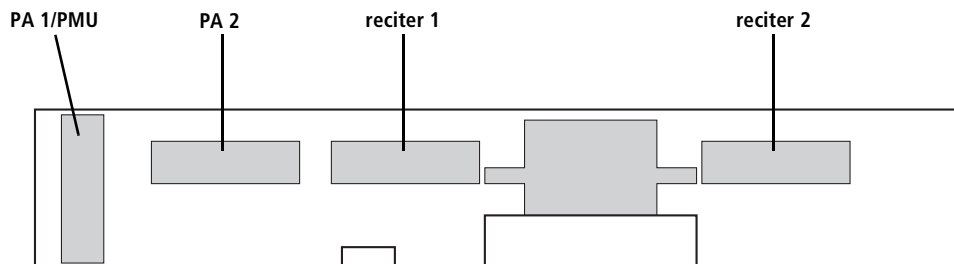
dual base station - IPN 220-02037-02



dual base station - IPN 220-02037-04 and later



system control bus connections



## Switch Settings

You must set the switches on the dual base station interconnect board correctly. The switch settings depend on the type of base station(s) installed in the subrack, and on the part number (IPN) of the board itself.

Table 6.1 gives the switch settings for older boards with the part number 220-02037-02. This board can only be used with dual base stations using a PMU.

Table 6.2 gives the switch settings for newer boards with the part number 220-02037-04 and later. These boards can be used with dual base stations using a PMU, and with single or dual 12V PA base stations.

**Table 6.1 Switch S1 settings - IPN 220-02037-02**

Switch	Function	Dual Base Station with PMU
		State
1	CH1 select button active	on
2	CH2 select button active	on
3	independent CH1 and CH2 channels	Tait use only - leave on
4	channel 2 I <sup>2</sup> C_CLK pullup	on
5	channel 2 I <sup>2</sup> C_DATA pullup	on
6	unused	off
7	grounded CAN	off
8	connected CH1 and CH2 channels	Tait use only - leave off

**Table 6.2 Switch S1 settings - IPN 220-02037-04 and later**

Switch	Function	Dual Base Station with PMU	Single or Dual Base Station with 12V PA
		State	State
1	CH1 select button active	on	single - off dual - on
2	CH2 select button active	on	single - off dual - on
3	independent CH1 and CH2 channels	Tait use only - leave on	Tait use only - leave on
4	channel 1 I <sup>2</sup> C_CLK pullup	off	on
5	channel 1 I <sup>2</sup> C_DATA pullup	off	on
6	channel 2 I <sup>2</sup> C_CLK pullup	on	on
7	channel 2 I <sup>2</sup> C_DATA pullup	on	on
8	connected CH1 and CH2 channels	Tait use only - leave off	Tait use only - leave off