

## 8.2 Connection To External Devices

### 8.2.1 Introduction

The spare external pin in the T2000 power connector (refer to Figure 8.4.1) may be wired to any of the option connections tabled in Section 5.9, "Options Interface Specifications". The most commonly used connections (hush, horn, emergency and auxiliary), are explained below.

The T2010 and T2015 can be programmed to have channel selection controlled via S15 on the T2000 logic PCB.

### 8.2.2 Applications

#### Hush

An active +5V signal is supplied to this line each time the PTT is pressed or a valid transmission is received (i.e. audio is heard), and is commonly used to mute a car radio. It may be connected directly to some modern stereo systems, otherwise an interface device will be required. This signal is sometimes referred to as the 'external mute'.



#### Horn

This is used in a Selcall system where an external alert has been programmed. An active +5V signal is supplied to this line when the radio goes into the external alert cycle. This signal will either be pulsed, steady or ringing, depending on the radio model and programming.

#### Emergency

This is used to put the radio into emergency mode for a Selcall system and is activated when the input is switched to ground.

#### Auxiliary

An active +5V signal is switched to this line when the front panel **auxiliary** key  (T2010, T2015 & T2020 models) or **function** key  (trunked models) is active. This is programmable with both latching and momentary operation available.

### **8.2.3 Connections**

The spare external pin in the power connector is connected to an option by linking the appropriate option pin to the EXTERNAL pin on options connector S14 (refer to Section 5.9, "Options Interface Specifications").

The recommended linking method is to crimp a short length of 7/0.2mm PVC wire between the appropriate connections on a 16-way Micromatch plug (IPN 240-00026-24), which can then be plugged onto the options connector.

### **8.2.4 T2010 & T2015 BCD Selection**

The front panel keys do not function when the T2010 or T2015 is programmed for channel selection control via the BCD lines.

Access to the BCD lines is via S15 on the logic PCB. Refer to Section 5.9, "Options Interface Specifications" details.