



# Instruction Sheet

## AMG2800 GUARDIAN - CREATING A SLAVE DATA BOARD

### 1 Introduction

The main **master Data Mother Board** occupies the 'Data Interface 1-5' slot and provides data channels 1 to 5. A further 5 channels are provided by fitting a **slave Data Mother Board** to the 'Data Interface 6-10' slot. A slave board can be created by making a slight modification to a master board as described below.

### 2 Tools Required

- Soldering iron.
- Tweezers

### 3 Creating the Slave Data Mother Board

- Identify the positions of resistors R15 and R16 in the lower left-hand corner of the board. See figure 1.
- With the soldering iron, lift the right-hand side of resistor R15 clear, so that it is isolated from the solder pad on the board. See figure 2.
- With the soldering iron, lift the right-hand side of resistor R16 clear, so that it is isolated from the solder pad on the board. See figure 2.
- Attach a 'SLAVE' label to the connector PL1. See figure 3.
- Mark the top of the connector SK1 (25 D-type) with a label marked 'S' so that it is visible from above. See figure 3.

### 3 To Restore a Slave back to a Standard Master Data Mother Board

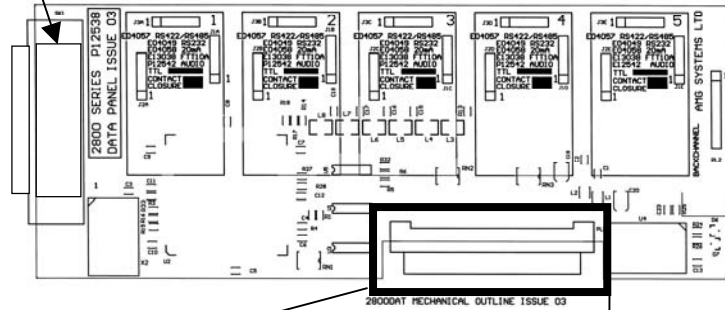
Re-solder resistors R15 and R16 back on the board and remove the 'SLAVE' and 'S' labels.



Figure 3: 'SLAVE' Label and 'S' Label

Fit 'S' label to the top of connector SK1 (25 way D-type) so that it is visible from above.

**S**



Fit 'SLAVE' label to connector PL1

**SLAVE**