

AMG2900A X13038 FTT10A Daughter Board Fitting Instructions

INTRODUCTION

The X13038 FTT10A Daughter Board allows transmission of Echelon Lonworks FTT10A signals between AMG2900A Transceivers.

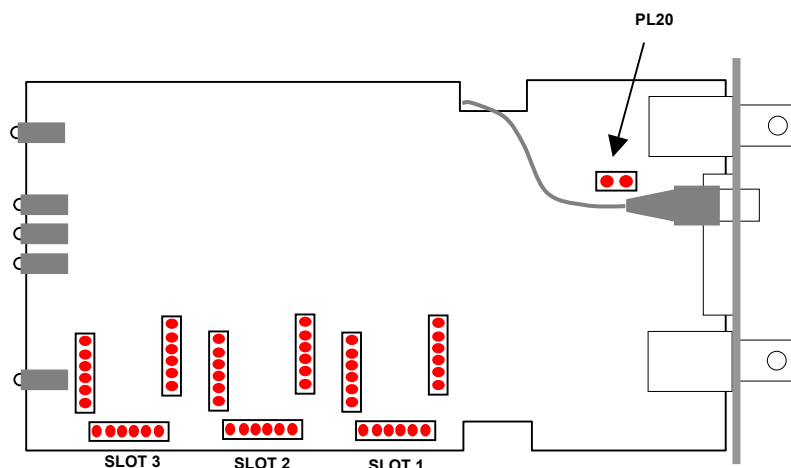
AMG2900A PCB REMOVAL AND REPLACEMENT

The PCB is removed from its housing by unscrewing the two screws on the top and bottom of the rear panel. The rear panel can then slide out with the PCB attached. Antistatic precautions must be taken when handling the PCB.

When replacing the PCB into the housing utmost care must be taken not to trap the optical fibre

Use of Daughter Boards with the AMG2931A, AMG2932A, AMG2941A and AMG2942A

Daughter boards are fitted on the main PCB either at the factory or in the field. There are three daughter board positions corresponding to Data/Audio Channels 1, Channel 2 and Channel 3. To fit the daughter boards remove the main PCB from the case. Line up the pin headers on the main PCB with the sockets on the daughter board. Push the daughter board onto the header pins. See below for the daughter positions.



The data connections are as follows the actual pin numbers would depend on which slot the boards are fitted.

Slot No	Pin No.	Pin Description
Slot 1	1	Channel 1 NET A
	2	Channel 1 NET B
	3	Channel 1 NET A
	4	Channel 1 NET B
Slot 2	5	Channel 2 NET A
	6	Channel 2 NET B
	7	Channel 2 NET A
	8	Channel 2 NET B
Slot 3	9	Channel 3 NET A
	10	Channel 3 NET B
	11	Channel 3 NET A
	12	Channel 3 NET B

Note:

The FTT10A net should be terminated at some point. This can be provided by the AMG2900A **for Slot 1 only** by fitting PL20 – see above.

The AMG2900A corresponding TX and RX front panel LED's will operate differently as to the AMG2900 data sheet when a FTT10A daughter board is used. See below:

Data-Audio LED's

(when data slot contains a FTT10A daughter board)

TX Green – data channel present but not transmitting
 Red/Green – data channel transmitting
 Off – FTT10A board not fitted

This represents the data signals being transmitted on the optical fibre

RX Green – data channel present but not receiving
 Red/Green – data channel receiving
 Off – FTT10A board not fitted

This represents the data signals being received on the optical fibre