

Technical Bulletin

Test Plugs for Metrodata HSSI Ports



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USAGE!

This Bulletin is for the assistance of qualified Service Engineers, and the work described should not be attempted by End Users of the products.

WARNING !

The FM4850 product contains static sensitive devices. Work should be carried out at a properly equipped anti-static station by personnel wearing anti-static straps.

INTRODUCTION

This Bulletin describes the connection layout for plugs to test the HSSI Internal Clock and DTE Dataloop functions of HSSI Interfaces . These interfaces may be fitted to FM4850, FM4900 and FM4950 DSU's. The HSSI female outlet is located on the rear panel of the DSU and labelled 'DTE Port'. The Test plugs are inserted into the HSSI port before carrying out the appropriate tests.

ITEMS REQUIRED

- 1 Male 50 way AMP type miniature 50-pin **MALE** connector such as made by Thomas & Betts. Part numbers are:
 - Metal Universal Enclosure: HFM050A
 - Male contact block: 1016029C-01
- 1 Crimping tool
- Plastic covered wire AWG ????

Note: The HSSI port is regarded as a SELV port within the scope of EN 41003.

MALE PLUG CONNECTIONS FOR Internal Clock

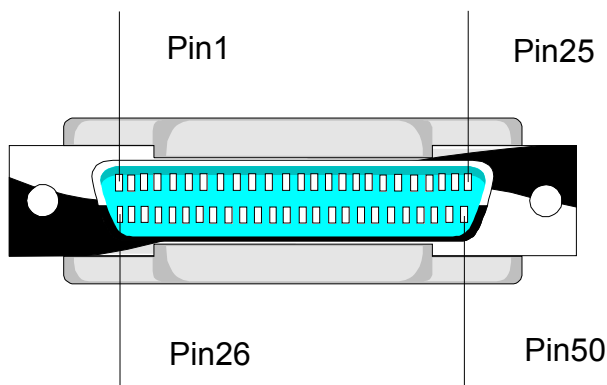
+VE PIN NO	+VE PIN NO		-VE PIN NO	-VE PIN NO
6	9		31	34

Internal clock HSSI port connector layout **MALE PLUG CONNECTIONS FOR DTE Dataloop**

+VE PIN NO	+VE PIN NO		-VE PIN NO	-VE PIN NO
2	9		27	34
3	8		28	33
4	11		29	36
5	10+12		30	35+37

DTE Dataloop HSSI port connector layout

CONNECTOR LAYOUT



Front view AMP Male Connector showing pin numbers

PROCEDURE FOR MAKING CONNECTORS

PROCEDURE FOR USING CONNECTORS

