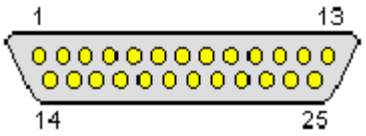
FTI HANDLER CABLE MANUAL

1. INTRODUCTION

This manual describes the handling equipment cable connector for FTI1000 motherboard revisions 6 and higher.

2. CONNECTOR

The connector on the back of the FTI Tester is a 25-pin DSUB Female connector. The pin-out is defined as follows:



1	Chassis GND (possibly N/C)			14	Isolated +5VDC Supply Output, Pin 13 is Supply GND (900mA)	Out
2	BIN-0	Out		15	BIN-1	Out
3	BIN-2	Out		16	BIN-3	Out
4	BIN-4	Out		17	BIN-5	Out
5	BIN-6	Out		18	BIN-7	Out
6	BIN-8	Out		19	BIN-9	Out
7	BIN-10	Out		20	BIN-11	Out
8	EOT	Out		21	SOT	In
9	EOW (SOT2)	In		22	EOB (SOT3)	In
10	EOT3 (not used for typical handler)	In		23	EOT2 (not used for typical handler)	In
11	SOT4 (not used for typical handler)	In		24	EOT4 (not used for typical handler)	In
12	VPULLUP (Input pullup voltage – typically connected to pin 25)	In		25	+5VDC handler Input supply (600mA minimum)	In
13	Signal GND, Isolated Supply GND					

NOTE: (None)

3. SIGNAL DEFINITIONS.

BIN – Selects handler Bin.

EOT – End Of Test signal to inform the Handler it can move the component.

SOT – Start Of Test signal sent by the Handler to indicate the tester may start testing the component.

EOW – End Of Wafer signal sent by the Handler to indicate the end of wafer has been reached.

EOB – End of Boat signal sent by the Handler that the end of the Boat has been reached.

+5VDC Output is an Isolated power supply. Note that this is referenced to Signal GND.

Chassis GND is the tester chassis ground. In order to prevent ground loops, this ground should not be tied to the Signal GND.

Signal GND is the return path for the +5VDC isolated power supply and handler interface signals. This GND is not connected to chassis or tester ground.

VPULLUP must be connected to a positive power supply voltage. This provides power to the handler interface signal pullup resistors. Typically this is connected to the handler input supply.

EOT2, EOT3, EOT4, and SOT4 are used under special conditions and will have no functionality associated with them under a standard handler interface. These signals should be left unconnected.