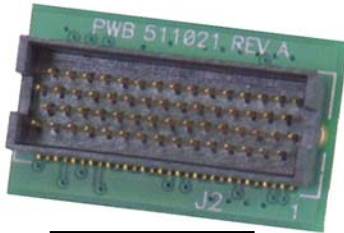
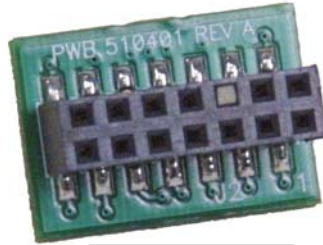


20 Pin CTI Input JTAG Emulator Adapters

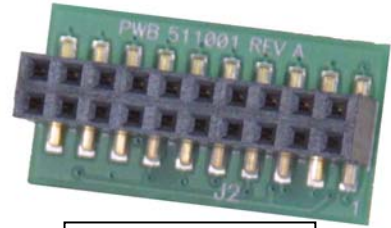
Quick Start Installation Guide



20CTI - 60TI



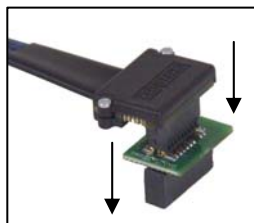
20CTI - 14TI



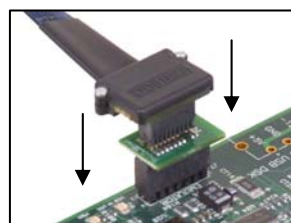
20CTI - 20ARM

Pin #	20 Pin CTI From Emulator	14 Pin TI To Target	20 Pin ARM To Target	60 Pin TI - A To Target	60 Pin TI - B To Target	60 Pin TI - C To Target	60 Pin TI - D To Target
1	TMS	TMS	+3.3V	GND	ID0	ID2	GND
2	TRSTn	TRSTn	+3.3V	GND	TMS	EMU18	GND
3	TDI	TDI	TRSTn	GND	EMU17	TRSTn	GND
4	TDIS	TDIS	GND	GND	TDI	EMU16	GND
5	PWR DECT	PWR DECT	TDI	GND	EMU14	EMU15	GND
6	KEY - NC	KEY - NC	GND	GND	EMU12	EMU13	GND
7	TDO	TDO	TMS	GND	TDO	EMU11	GND
8	GND	GND	GND	TYPE0	TVD	TCLKRTN	TYPE1
9	TCK RET	TCK RET	TCK	GND	EMU9	EMU10	GND
10	GND	GND	GND	GND	EMU7	EMU8	GND
11	TCK	TCK	TCK RET	GND	EMU5	EMU6	GND
12	GND	GND	GND	GND	TCLK	EMU4	GND
13	EMU0	EMU0	TDO	GND	EMU2	EMU3	GND
14	EMU1	EMU1	GND	GND	EMU0	EMU1	GND
15	NC		RSTn	GND	ID1	IDE3	GND
16	GND		GND				
17	NC		NC				
18	NC		GND				
19	NC		NC				
20	GND		GND				

Spectrum Digital adapters provide JTAG connector pin conversion between a 20 pin CTI to other pin configurations. These adapters are designed to convert signals on a 20 Pin CTI (emulator) to a 14 pin, 20 pin ARM or 60 pin (target).



Emulator plugged into adapter



Emulator with adapter plugged into target

To get started, simply plug the emulator cable connector into your adapter. The 20 pin male header on the adapter is keyed to prevent incorrect insertion. Then plug the bottom of the adapter into your target.

