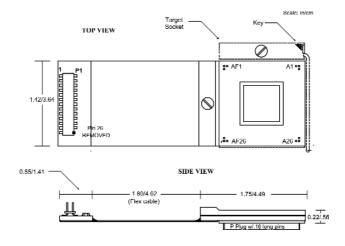
TAP-PSC

Some systems may be reconfigurable to route the two clocks to the socket instead of the built-in debug port. These clocks are REQUIRED by the TAP-PSC.

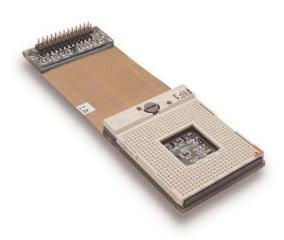
If DBRESET# is not connected to the processor socket, connect the reset adapter (yellow and black twisted pair cable provided with the ECM-20 or PBDS-700) between the target system's reset connector (if available) and the base unit connector labeled "TARGET RESET OUT" or PBD connector labelled "RSTSW."

Note: The reset adapter is not polarized and does not need to be connected in any particular orientation since it is effectively just a switch closure. It should be connected to the target system wherever a reset switch would normally be connected.

 Connect the PBDS-WF/NW/PSC/700 to the P1 connector of the TAP-PSC using the PBDI-WF/NW/PSC/700 interface module.



- Connect the entire PBDS assembly to the base unit via the 40-pin connector.
- When using the TAP-PSC in conjunction with an Arium PBDS-WF/NW/PSC/700, JTAG communication can be improved if E4 pins 3 and 4 are jumpered on the respective PBDI. If no jumper is available, the E5 jumper may be removed and installed on E4 (E4 will then have 3 jumpers installed: 1-2, 3-4, 5-6).
 - Jumpers should be installed to their default positions when using the PBDS assembly with a built-in debug/ITP port.



Overview

The TAP-PSC is the debug port adapter for Intel® Pentium® 4 processor target systems using a 478-pin uFCPGA package. It provides debug access to target systems that have been designed or built without a debug/ITP port or systems where the built-in debug/ITP port is not operating correctly.

Unpacking the Equipment

Carefully remove the equipment from the box and refer to the enclosed packing list to ensure that you received all items.

TAP-PSC Installation

 Remove the processor from the target and insert it into the TAP-PSC. Ensure that the processor is correctly inserted into the socket on the TAP-PSC.

Note: This socket is not keyed; Pin 1 is identified by the RED inked corner. Disregard the socket pin indicators on the TAP-PSC.

- Carefully insert the TAP-PSC (with processor) into the target processor connector.
 Ensure that the TAP-PSC is correctly inserted into the target board socket with pin 1 of the processor oriented to the motherboard socket. The TAP-PSC pins have been keyed to assist placement. Place the processor heat sink on the processor die.
- If the system has a built-in debug port, it is possible that three (3) debug signals have not been connected to the processor socket:
 - ITP_CLK0
 - ITP_CLK1
 - DBRESET#.

