ITPFlex Adapter

Overview

The ITPFlex Adapter is the "mini" debug port adapter for Intel® Pentium® 4 processor target systems using a 478-pin package. It provides debug port access to a target system that employs a small footprint surface-mounted connector or one that has the solder pads for such a connector.

Unpacking the Equipment

Carefully remove the equipment from the box. Check to see that you have the ITPFlex Adapter and a small Molex surface-mount connector (Molex p/n 52435-2891).

Note: The connector is provided for use with platforms that do not have one. American Arium considers the connector and the ITPFlex Adapter to be "consumable." That is, they are designed to withstand a maximum of 25 insertions and are warranted from manufacturer's defects only.

ITPFlex Adapter Installation

1. Determine whether you have any BPM[5:0]# signal terminations built into your platform near the debug port. If so, remove them.
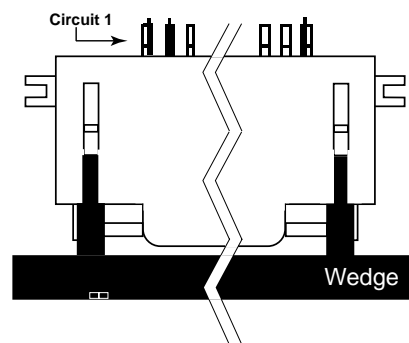
Note: *The BPM[5:0]# signal terminations on the debug port end of the ITPFlex Adapter are built into the adapter. When you plug in the adapter, you must remove any BPM[5:0]# signal terminations that may be built into your platform near the debug port . When you remove the adapter, you must reinstall those terminations.*
- BPM[4]# signal is sometimes called PRDY#.
- BPM[5]# signal is sometimes called PREQ#.

2. If a connector for the ITPFlex Adapter has not been installed onto the motherboard, solder the white Molex connector onto it at the appropriate location. If you already have a connector on the platform, skip this step.

3.   On the connector, pull out the retention wedge as far as it will go.

⚠ *Caution: Do not remove the wedge from the connector.*

ITPFlex connector with wedge pulled out

4. Align the small end of the adapter with the connector, making sure that the side with the notice "THIS SIDE UP" is on top.

5. Insert the adapter firmly into the connector.

6. Gently push the retention wedge back into the connector.

7. Pull back the hinged door on the casing covering the large end of the adapter.

8. Connect the large end of the adapter to your personality cable, noting the keyed pin orientation.

For more information, visit Intel Corporation's Web site at http://developer.intel.com/design/Xeon/guides/249679.htm.

If you have any problems or questions, contact American Arium Technical Support at 877 508-3970 toll free within the US, 714-731-1661 outside the US, or e-mail support@arium.com for assistance.

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