# ITP-FLXXDP Adapter



## GETTING STARTED
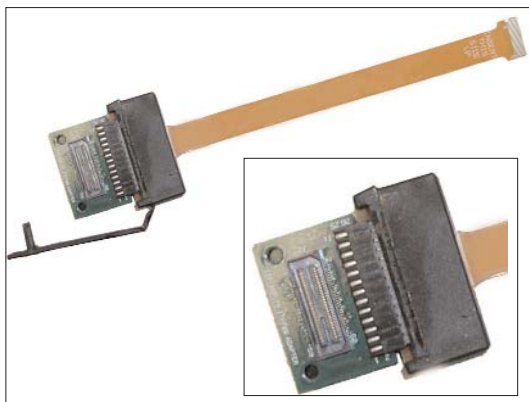
## Overview

The ITP-FLXXDP Adapter is the "mini" debug port adapter for Intel® Pentium® 4 processor target systems using a 478-pin package. It provides XDP 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 ITP-FLXXDP 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.*
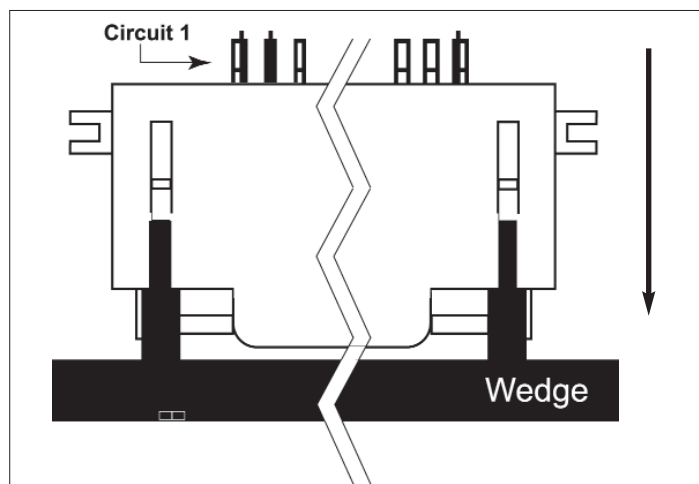
## ITPFlex Adapter Installation

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 ITP-FLXXDP 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 ITP-FLXXDP 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.



*Flex connector with wedge pulled out*

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

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.

> ⚠ **Caution: Gently squeeze the wedge and white connector between your fingertips. Do not push only on the wedge or you may pull the connector and solder pads from the platform.**

7. Connect the large end of the adapter to your debugger's XDP cable, noting the keyed shell orientation.

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