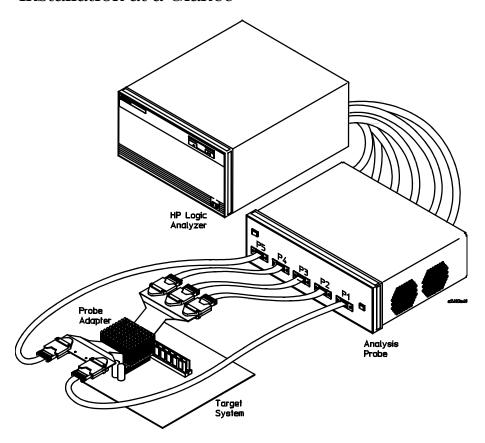
Installation Guide

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Agilent E2492E Probe Adapter for the Intel[®] Pentium[®] III and CeleronTM Processors

Installation at a Glance



This Installation Guide explains how to install Agilent Technologies, Inc. probe adapter for the Intel[®] Pentium[®] III or CeleronTM processors in the 370-pin PPGA package. The probe adapter provides a quick and reliable connection from a processor to the Agilent E2487C Analysis Probe. The analysis probe then connects to your Agilent logic analyzer for state analysis.

Installation Overview

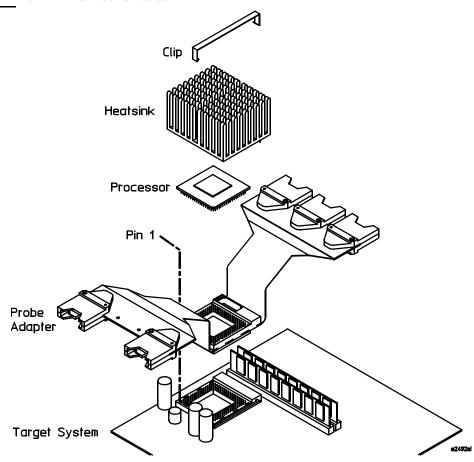
- Remove the processor.
- Install the probe adapter.
- Connect the processor to the probe adapter.
- Connect the probe adapter to the Agilent E2487C analysis probe.

Installation

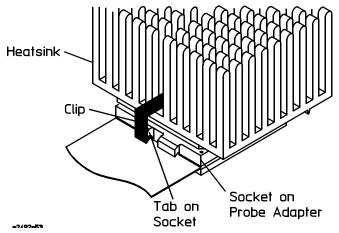
- 1 Remove the clip and heatsink from the processor on the target system.
- **2** Remove the processor from the socket on the target system.
- **3** Install the probe adapter on the target system. Ensure that the connector is fully seated.
- **4** Install the processor on the socket of the probe adapter. Ensure that the connector is fully seated.

CAUTION:

Bending the flexible cable beyond the minimum bend radius will shorten the life of the probe adapter. See the dimension diagram the end of this document for minimum bend radius.

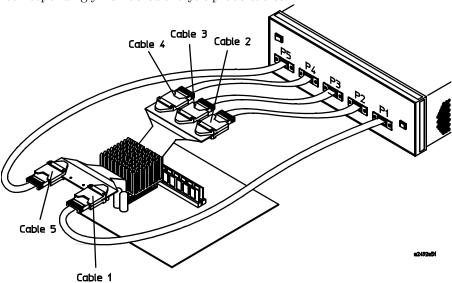


5 Use the clip to attach the heatsink to the socket on the probe adapter.



6 Connect the probe adapter to the Agilent E2487C Analysis Probe

The probe adapter has five high-density connectors, labeled Cable 1 through Cable 5. The Agilent E2487C Analysis Probe also has five high-density cabled connectors, labeled P1 through P5. Connect the probe adapter cables to the correspondingly-numbered analysis probe cables.



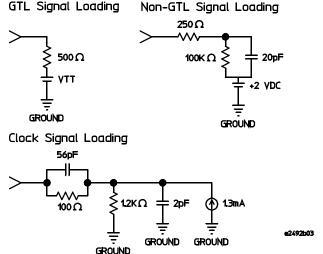
Operating characteristics

The following operating characteristics are not specifications, but are typical operating characteristics for the probe adapter.

Operating Characteristics	
Microprocessor Compatibility	Intel $^{\circledR}$ Pentium $^{\circledR}$ III or Celeron $^{\intercal M}$ processor in a 370-pin PPGA package
Power Requirements	The probe adapter draws a maximum 100 mA @ 5V, which is supplied by the logic analyzer. CAT I, Pollution degree 2.
Environment	The probe adapter is intended for indoor use only.
Environmental Temperature	Operating +5 to +40 degrees C Non operating -40 to +70 degrees C
Altitude	Operating 3,100 m (10,000 ft.) Non operating 4,600 m (15,000 ft.)
Humidity	Up to 80% non condensing. Avoid sudden, extreme temperature changes which could cause condensation within the instrument.
Bus Timing	The Agilent E2492E and the Agilent E2487C support systems meeting the typical bus timing specifications of Celeron or Pentium processor systems with a bus speed up to 133MHz.

Signal Line Loading

The following schematics show the signal line loading.



Required Signals

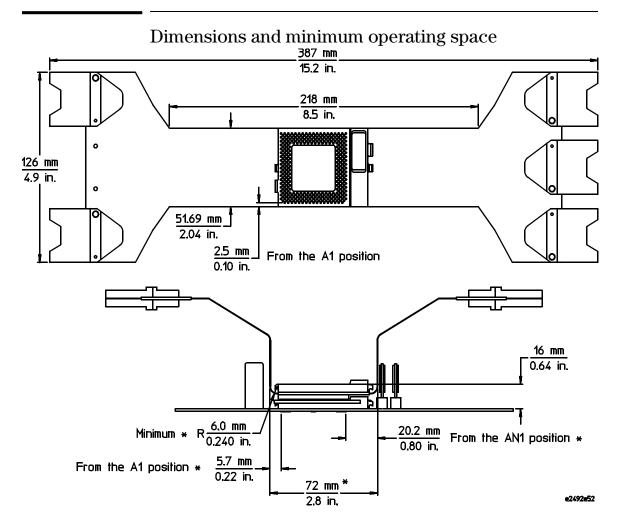
RESET is necessary for the probe adapter to work properly. RESET must be tied to processor pin AH4 or X4.

Cleaning

Remove any dust or debris from the probe adapter with precision dusting cleaner (otherwise known as inert dusting gas or compressed air).

Replaceable parts

The repair strategy for this probe adapter is product replacement. Contact your nearest Agilent Technologies Inc. Sales Office.



* = Recommended minimum operating space.

CAUTION:

Bending the flexible cable beyond the minimum bend radius will shorten the life of the probe adapter $\,$

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This apparatus has been designed and tested in accordance with IEC Publication 348, Safety Requirements for Measuring Apparatus, and has been supplied in a safe condition. This is a Safety Class I instrument (provided with terminal for protective earthing). Before applying power, verify that the correct safety precautions are taken (see the following warnings). In addition, note the external markings on the instrument that are described under "Safety Symbols."

Warning

- Service instructions are for trained service personnel. To avoid dangerous electric shock, do not perform any service unless qualified to do so. Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.
- Whenever it is likely that the ground protection is impaired, you must make the instrument inoperative and secure it against any unintended operation.
- Do not operate the instrument in the presence of flammable gasses or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.
- Do not install substitute parts or perform any unauthorized modification to the instrument.

Safety Symbols



Instruction manual symbol: the product is marked with this symbol when it is necessary for you to refer to the instruction manual in order to protect against damage to the product



Hazardous voltage symbol



Earth terminal symbol: Used to indicate a circuit common connected to grounded chassis.

WARNING

The Warning sign denotes a hazard. It calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in personal injury. Do not proceed beyond a Warning sign until the indicated conditions are fully understood and met.

CAUTION

The Caution sign denotes a hazard. It calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product. Do not proceed beyond a Caution symbol until the indicated conditions are fully understood or met.

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About this edition

This is the Agilent E2492D Probe Adapter for the Intel® Pentium $^{\text{TM}}$ III and Celeron $^{\text{TM}}$ Processor Installation Guide

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New editions are complete revisions of the manual. Many product updates do not require manual changes and manual corrections may done without accompanying product changes. Therefore, do not expect a one-to-one correspondence between product updates and manual updates.

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