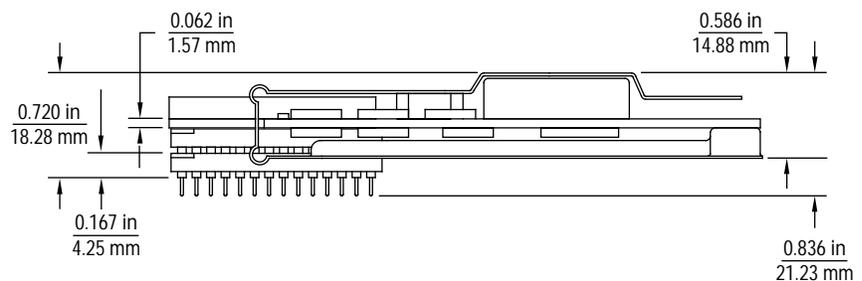
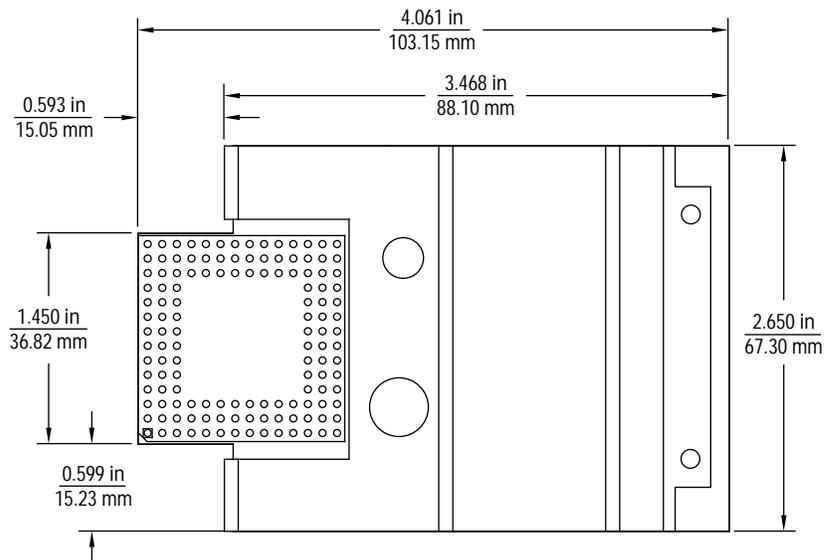


## HP E2464A

### Intel 80960J-Series Preprocessor Interface

For use with  
HP logic analyzers

The Hewlett-Packard E2464A preprocessor interface provides an easy way to connect a Hewlett-Packard logic analyzer to a target system using the Intel 80960J-series microprocessors. All necessary clocks are passed through by the preprocessor to the logic analyzer, ensuring that data is captured at the correct time. Software is shipped with the product that automatically configures the logic analyzer, generating labels for address, data, and status signals. Included with the software is a disassembler which displays execution traces in 80960J-series microprocessor mnemonics. Three modes of operation are available to the user: state-per-clock, which provides a complete display of all bus activity; state-per-transfer, which filters out wait and idle states; and timing analysis up to 500 MHz. Channel to channel skew is 1 ns.



**HP E2464A Intel  
80960J-series  
preprocessor**

# H

## Key Specifications

### Timing Analysis Support

All signals are buffered by 74FCT646ATQ gates with a 1 ns channel-to-channel skew.

### Pods

The preprocessor has 6 pods available. For inverse assembly 5 logic analyzer pods must be used. Six pods would allow timing measurements of all processor signals.

### Termination Adapters (TAs)

None are required as the pods are terminated on the preprocessor.

### Logic Analyzers Supported

HP 1650B, 1652B, 1654B, 1660A/61A, 16510B, 16511B, 16540/41[A-D], 16542A, 16550A, 16554A, 16555A

### Processors Supported

80L960JA	3.3 V, 40 MHz and 50 MHz, 132-pin PGA package
80960JD	5 V, 40 MHz and 50 MHz, 132-pin PGA package
80960JF	5 V, 40 MHz and 50 MHz, 132-pin PGA package
80L960JF	3.3 V, 40 MHz and 50 MHz, 132-pin PGA package

### Optional Adapter Available

The HP E5337A adapts the HP E2464A to the 132-pin PQFP version of the chip.

### Signal Line Loading

8 pF on all signals except for DEN#, RESET#, and RDYRCV# which have 16 pF.

Intel 80960J™ is a U.S. trademark of Intel Corporation

**For more information, call your local HP sales office listed in your telephone directory, or an HP regional office listed below:**

#### United States:

Hewlett-Packard Company  
Test and Measurement Organization  
5301 Stevens Creek Blvd.  
Bldg. 51L-SC  
Santa Clara, CA 95052-8059  
1 800 452 4844

#### Canada:

Hewlett-Packard Canada Ltd.  
5150 Spectrum Way  
Mississauga, Ontario L4W 5G1  
(905) 206-4725

#### Europe:

Hewlett-Packard  
European Marketing Centre  
P.O. Box 999  
1180 AZ Amstelveen  
The Netherlands  
31 20 547 9858

#### Japan:

Yokogawa-Hewlett-Packard Ltd.  
Measurement Assistance Center  
9-1, Takakura-Cho, Hachioji-Shi,  
Tokyo 192, Japan  
(81) 426 48 0722

#### Latin America:

Hewlett-Packard  
Latin American Region Headquarters  
5200 Blue Lagoon Drive, 9th Floor  
Miami, Florida 33126, U.S.A.  
(305) 267 4245/4220

#### Australia/New Zealand:

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street  
Blackburn, Victoria 3130  
Australia  
Melbourne Caller 272 2555  
(008) 13 1347

#### Asia Pacific:

Hewlett-Packard Asia Pacific Ltd.  
17-21/F Shell Tower, Time Square  
1 Matherson Street, Causeway Bay  
Hong Kong  
(852) 599 7070

Technical information in this document is subject to change without notice.

Printed in U.S.A.  
5963-5326E

1/1/95