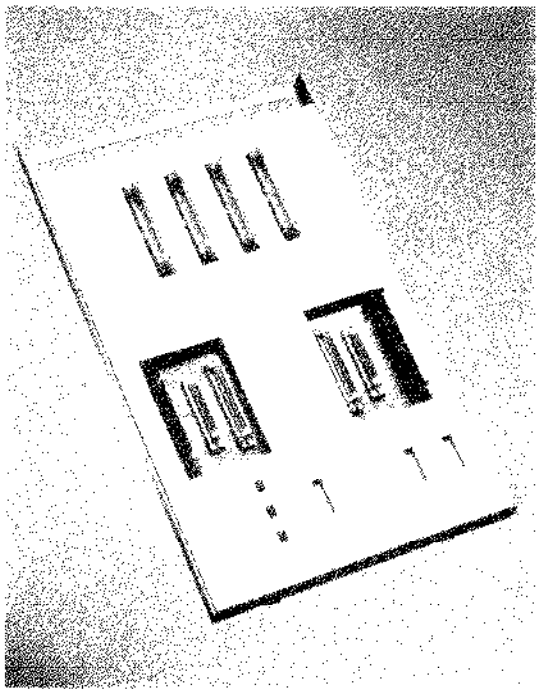
HEWLETT PACKARD

HP E2423A

Small Computer System Interface (SCSI) Bus Preprocessor Interface

For use with HP logic analyzers

The HP E2423A SCSI bus preprocessor interface provides an easy way to monitor activity on a SCSI bus. Bus commands and data activity can be captured for SCSI 1, SCSI 2 and SCSI 3 devices.



SCSI 1 is defined as a 50-pin low-density cable with an 8-bit data bus. SCSI 2 is a 50-pin, high-density cable with an 8-bit data bus and SCSI 3 is a 68 pin, high-density cable supporting a 16-bit data bus. Software is included with the E2423A which configures the logic analyzer and labels input signals. Additionally, seven inverse assemblers which decode and display captured data in SCSI command mnemonics are included. Any of the ten devices defined in SCSI standard X3T9.2/86-109 revision 10B are supported.

The HP E2423A preprocessor conforms to all specifications defined in the SCSI standard X3T9.2/86-109 Rev 10B.

Three types of connectors on the preprocessor are described below.

SCSI 1 connector - A 50-pin, low-density, unshielded ribbon connector. This connector is rectangular with a 2 x 25 pin pattern on 0.1 inch centers.

SCSI 2 connector - A 50-pin, high-density, shielded, D-type connector with screws and latches.

SCSI 3 connector- A 68-pin, high-density, shielded, D-type connector with screws.

HEWLETT PACKARD

Cabling options may be ordered as follows:

Option 001: A shielded 50-pin, low-density to 50-pin high-density cable for use in SCSI 1 applications. Since there is no shielded low-density, 50-pin connector on the preprocessor, you must plug into the 50-pin high-density connector. This leaves the 50-pin, shielded, bail-lock end for you to plug into your peripherals. Two cables per-option. (Cable HP PN K2296).

Option 002: A shielded 50-pin, high-density to 50-pin high-density cable for use in SCSI 2 applications. One cable per option. (Cable HP PN 8120-5548).

Option 003: A shielded 68-pin, high-density to 68-pin high-density cable for use in SCSI 3 applications. One cable per option. (Cable HP PN A1658-62018).

Logic Analyzers Supported
All 1650 series (HP 1650A must have a 10449A memory upgrade). HP 16500 with a 16510|AB|/511B, 16540/41|A-D| or 16550A.

Pods
Two 16 channel pods are required for complete disassembly. Two additional pods may be used for simultaneous state and timing measurements.

Termination Adapters (TA):
All four pods are terminated on the preprocessor. No TAs are required.

Additional Capabilities:
The following SCSI devices are supported: Direct access, Sequential, Printers, Processor, Scanner, Automatic media changers, Communication, Write once read multiple, Optical, CD ROM

Bus cycles Interpreted:
Select/Reselect, Arbitration, Commands, Messages, Status, Reset , Bus free

United States:
Hewlett-Packard Company
4 Choke Cherry Road
Rockville, MD 20850
(301) 670 4300

Hewlett-Packard Company
5201 Tollview Drive
Rolling Meadows, IL 60008
(708) 255-9800

Hewlett-Packard Company
1421 S. Manhattan Ave
Fullerton, CA 92631
(714) 999 6700

Hewlett-Packard Company
2000 South Park Place
Atlanta, GA 30339
(404) 980 7351

Canada:
Hewlett-Packard Ltd.
6877 Goreway Drive
Mississauga, Ontario L4V 1M8
(416) 678 9430

Europe:
Hewlett-Packard
European Marketing Centre
P.O. Box 999
1180 AZ Amstelveen
The Netherlands

Japan:
Yokogawa-Hewlett-Packard Ltd.
3-29-21 Takaido higashi
Suginami-ku
Tokyo 168, Japan
(813) 3335 8192

Latin America:
Latin American Region Headquarters
Monte Pelvoux No. 111
Lomas de Chapultepec
11000 Mexico, D.F.
(525) 202 0155

Australia/New Zealand:
Hewlett-Packard Australia Ltd.
31-41 Joseph Street
Blackburn, Victoria 3130
Australia (A.C.N. 004 394 763)
(03) 895 2895

Far East:
Hewlett-Packard Asia Ltd.
22/F EIE Tower, Bond Centre
89 Queeensway, Central
Hong Kong
(852) 848 7070

Printed in U.S.A. 06/92
5091-5054E