Processor and Bus Support for Agilent Technologies Logic Analyzers

Configuration Guide
Tools to Accelerate Your Debugging Process
May 1, 2000

Configuring a logic analysis system for your specific application is as easy as one, two, three. To configure a system you must select products that will 1. Probe, 2. Acquire, and 3. Analyze the data from your system. The following figure gives a quick overview of typical system considerations.

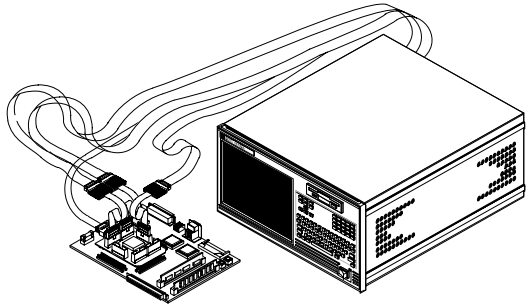
Use the information in each of the sections listed to help you configure a system that will meet your specific measurement needs.

1. **Probing**
The physical and electrical connection to target signals

2. **Acquisition**
Data capture, stimulus and processor control

3. **Analysis**
View and analyze data in a form you easily understand to help debug problems faster

Accurate measurements start with reliable probing. Agilent Technologies offers a wide variety of probing accessories to support your measurement needs making it easy to connect your Agilent logic analyzer to your designs.



Probing Adapters
- General Purpose Lead Set
- High-density termination adapters
- Processor specific analysis probes

Frames with built-in acquisition or measurement modules
- State/Timing Analyzers
- Oscilloscopes
- Pattern Generators

Analysis Tools
- Post-processing Tool sets
- Debuggers

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Agilent Technologies
Innovating the HP Way

How To Determine Your Probing Needs

To determine what probing method is best to use you need to evaluate your needs and take the following into consideration:

- Number of signals to be probed
- Ability to design probing connectors into the target
- Probing clearance requirements
- Available probing devices
- Signal loading
- Ease of installation
- Package type
  - DIP Dual Inline Package
  - PGA Pin Grid Array
  - BGA Ball Grid Array
  - PLCC Plastic Leaded Chip Carrier
  - PQFP Plastic Quad Flat Pack
  - TQFP Thin Quad Flat Pack
- Package Pin Pitch (distance between centers of adjoining pins)
- Pin count

Probing Options:

General purpose: Use as a convenient way to access individual signals anywhere on the target.

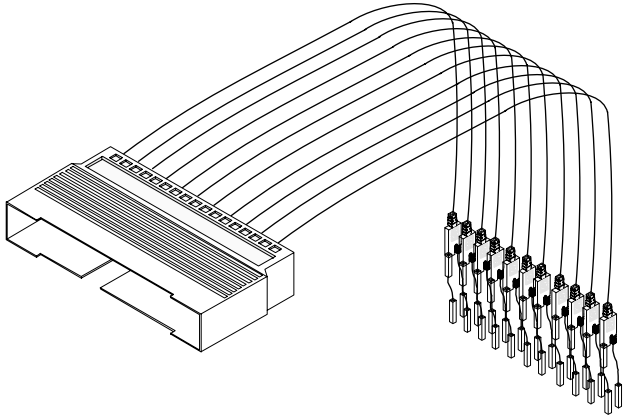
Custom Probing - Designed Into the Target: Consider placing probing connectors directly on the target during board layout. Design for testability. (See pg 3)

IC Package Adapters: Simple means of connecting to all the pins of a PQFP or TQFP package. (See pg 4)

Device Specific: Probe devices specifically designed for processors, DSPs, busses, and programmable logic devices. (See pg 5)

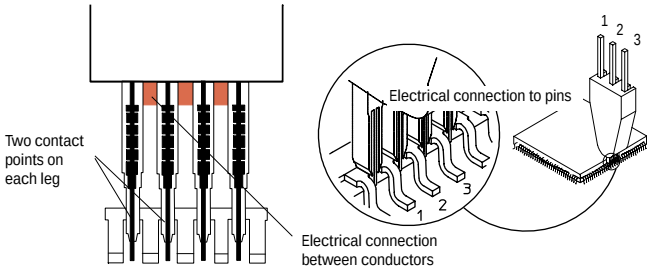
Probing – General Purpose

General Purpose Lead Set: 01650-61608



The Agilent Technologies wedge probe

The Agilent wedge probe adapter provides mechanically sound, noninvasive connection to adjacent pins on TQFP and PQFP packages. Connect logic analyzer flying leads directly to the adapter; connect scope probes through a dual-head adapter.



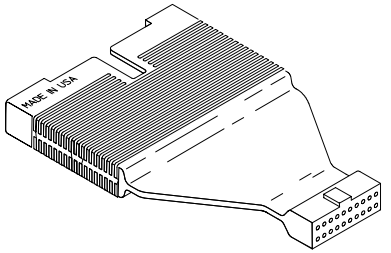
Number of Signals	Pin Pitch	Agilent Product #	Number of Agilent Wedges Included
3	0.5 mm	E2613A	1
3	0.5 mm	E2613B	2
8	0.5 mm	E2614A	1
16	0.5 mm	E2643A	1
3	0.65 mm	E2615A	1
3	0.65 mm	E2615B	2
8	0.65 mm	E2616A	1
16	0.65 mm	E2644A	1

Probing – Custom Probing (Designed into the Target System)

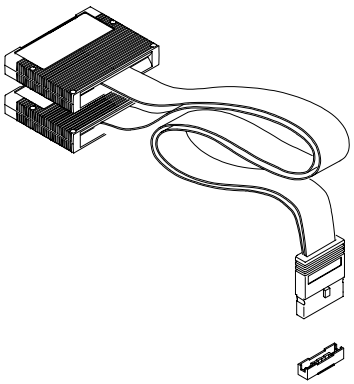
Designing a Probing Solution for Unique Applications

You can design test connections into your circuit using test headers with termination adapters. Details of how to do this are shown in *Probing Solutions for Agilent Technologies Logic Analysis Systems*, publication number 5968-4632E.

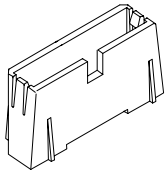
01650-63203
16 data channels
1 clock channel

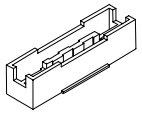


Agilent E5346A High-density termination adapter
32 data channels
2 clock channels



Mictor Connectors for High-density termination adapters





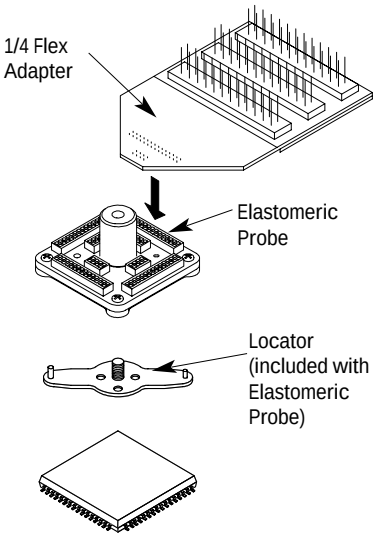
Product Number	Description
01650-63203	Standard Termination Adapter

Agilent Product Number	Description
E5346A	High-Density Termination Adapter
E5351A	High-Density Adapter
E5346-44701	Recommended Support Shroud
E5346-60002	High Speed Mictor Break-out Adapter
E5346-68701	Five Mictor Connectors and Five Support Shrouds

Probing – TQFP, PQFP Adapters

Agilent Technologies' state-of-the-art probe adapters offer a simple means of connecting to PQFP and TQFP packages with minimal "keep out" area. Agilent's reliable probes ensure trouble-free electrical and mechanical connection.

Elastomeric Probe Adapter



Package	Pin Pitch	Elastomeric Probe	1/4 Flex Adapter
Adapter			
144-pin TQFP	0.5 mm	E5336A	E5340A
144-pin PQFP/CQFP	0.65 mm	E5361A	E5340A
160-pin QFP	0.5 mm	E5377A	E5349A
160-pin PQFP/CQFP	0.65 mm	E5373A	E5349A
176-pin TQFP	0.5 mm	E5348A	E5349A
208-pin PQFP/CQFP	0.5 mm	E5374A	E5371A
240-pin PQFP/CQFP	0.5 mm	E5363A	E5371A

Probing – Device Specific
(Processors, DSPs, Controllers, Busses, and Programmable Logic Devices)

This document lists available processor and bus support products from Agilent Technologies and complimentary vendors. Agilent and our partners provide an extensive range of quality tools that offer non-intrusive, full-speed, real-time analysis and processor execution control to accelerate your debugging process. The following steps help you to determine the necessary products to meet your specific measurement needs.

Simply:

1. Determine if your device is supported (pg 5)

2. Select the products that meet your measurement needs (pg 5)

3. Verify analyzer support and compatibility (pg 8)

The following provides information on how to use the matrix starting on page 18 to accomplish each step.

1. Determine if your device is supported

Device Coverage

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type

- Use the "Device Coverage" section of the matrix to find your processor, controller, bus, or programmable logic device. Processors are listed alpha-numerically, except for Intel and Motorola, where processors are grouped by family.
- The value in the 'Max Bus Clk MHz' column refers to the maximum supported external bus speed for the processor. In most cases this is not the speed of the processor.

  Example: Pentium with MMX has core speeds up to 233 MHz, but the external bus speed is 66 MHz.
- Supported package types are listed. In some cases an inverse assembler is separately available when the probing can be designed into the target. Check the notes for available probing application notes and product literature for clearance requirements and target considerations.

Contact Agilent Technologies if you do not see support for your specific device . A sales representative can:

- determine if support is under development
- recommend third parties that design custom solutions
- direct you to information on how to design a test solution (refer to the probing section in this document)

2. Select the product(s) that meet your measurement needs.

Product Information

Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number

The "Product Information" section of the matrix lists the available products for each device. The diagrams and tables on pages 6-7 give a high level overview of what each product type includes, provides, and requires as well as specifying compatibility.

The following describes the different measurement modes.

Timing – Data is sampled at regular intervals by the analyzer's internal clock. The captured trace is displayed as waveforms (asynchronous).

State – Clocking is supplied by the system under test and captured data is displayed as a sequential listing of logical states (synchronous). Included inverse assemblers convert the real-time trace into processor mnemonics.

Enhanced Inverse Assembler –Provides advanced filtering capabilities such as removal of unexecuted prefetches and certain cycle types. The specific filtering capabilities are processor dependent. Refer to the product literature for details.

Emulation – The product provides processor control including break, run, reset and single step, code download, and register/memory modification.

Setup Assistant – A menu driven interface that guides you through connecting and configuring a processor measurement. This feature is available on the Agilent 16600A and 16700 series frames.

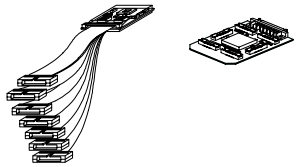
Contact Agilent or the Appropriate Third Party for Your Selections

Contact an Agilent Technologies sales representative to order the products you have selected or to obtain more information. Agilent sales information as well as third-party contact information is listed on pg 54.

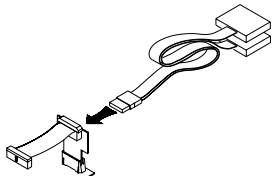
Real-Time Trace Products

Inverse Assembler
Software that converts a captured state trace into processor mnemonics.

Analysis Probes
(Formerly called Preprocessors)



N-Trace Analysis Probe



Inverse Assembler	
Includes	• Inverse assembler software
Provides	• Converts real-time trace into processor mnemonics
Requires	• Method for connecting to the processor either through the general purpose probes or through connectors designed onto the target

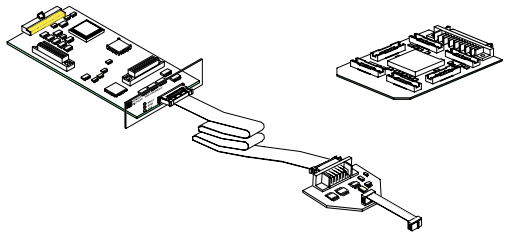
Analysis Probe	
Includes	• Inverse assembler (for analysis probes that support state mode) and configuration files • Analysis probe hardware (unless specified as inverse assembler only)
Provides	• Mechanical and electrical connection to the processor or bus • Real-time trace acquired in state and/or timing (supported modes of operation varies, check matrix for specific processor)
Requires	• Appropriate logic analyzer channel count (refer to matrix)

N-Trace Analysis Probe	
Includes	• E5346A cable, JTAG breakout board and configuration software
Provides	• Runtime trace information through special messages (status) and data
Requires	• Agilent 16600A or 16700 series frame with appropriate state/timing module • Debugger (available on your platform from third party)

Emulation Solution

Emulation Solution

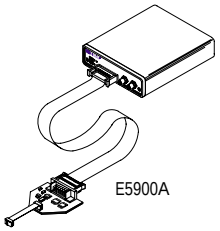
Option required to specify processor package type (Bundle of processor products for easier ordering and configuration. Works with the Agilent 16600A and 16700 series logic analyzers).

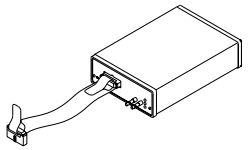


Emulation Solution	
Includes	• Agilent B4620B Source Correlation tool set • Analysis Probe with any necessary package adapters and Inverse Assembler • Emulation Module
Provides	• Correlation of real-time trace to high level source code • Ability to set the logic analyzer trigger by clicking a line of source code • Real-time trace acquired in state and/or timing (supported modes of operation varies, check table for specific processor) • Processor control including break, run, reset and single step • Code download • Register/memory modification
Requires	• "A" versions require Agilent 16600A or 16700 series frame with an available emulation module slot • "B" versions require an Agilent 16700 Series frame with an available emulation module slot. • Option to specify processor package type.
Compatibility	• Debugger (available on your platform from a third party) • "A" versions work with Agilent 16600A and 16700 standard Emulation Control Interface • "B" versions work with Agilent 16700 standard Emulation Control Interface

Emulation Products

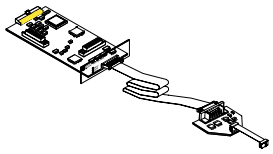
Emulation Probe - Agilent E5900A/B
(Formerly called Processor Probe or Software Probe)
Option required to specify processor family

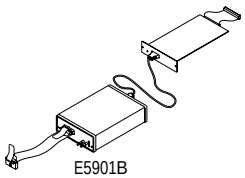

E5900A


E5900B

Emulation Probe- Agilent E5900A/B	
Includes	• Standalone emulation probe, Target Interface Module (TIM), cables and firmware
Provides	• Processor control including break, run, reset and single step • Code download • Register/memory modification
Requires	• Option to specify processor family
Compatibility	• Debugger (available on your platform from third party) • E5900A works with Agilent 16600A and 16700 standard Emulation Control Interface • E5900B works with Agilent 16700 standard Emulation Control Interface • Controlled over LAN

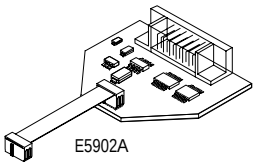
Emulation Module - Agilent E5901A/B
Option required to specify processor family

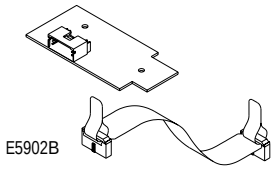

E5901A


E5901B

Emulation Module- Agilent E5901A/B	
Includes	• Emulation Module, Target Interface Module (TIM), cables and firmware
Provides	• Processor control including break, run, reset and single step • Code download • Register/memory modification
Requires	• E5901A works with Agilent 16600A and 16700 series mainframes with an available emulation module slot • E5901B works with Agilent 16700 series mainframe with an available emulation module slot • Option to specify processor family
Compatibility	• Debugger (available on your platform from third party) • E5901A works with Agilent 16600A and 16700 standard Emulation Control Interface • E5901B works with Agilent 16700 standard Emulation Control Interface

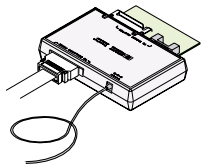
Emulation Migration - Agilent E5902A/B
Option required to specify processor family


E5902A


E5902B

Emulation Migration- Agilent E5902A/B	
Includes	• Target Interface Module (TIM), cables and firmware
Provides	• Processor personality change for existing emulation module or probe
Requires	• Existing emulation module or probe • Option to specify processor family

Trace port analyzer - Agilent E5903A
Option required to specify processor family



Trace port analyzer- Agilent E5903A	
Includes	• Trace port analyzer module, Target Interface Module (TIM), power supply, and cables
Provides	• Runtime trace information through special messages (status) and data
Requires	• Emulation probe or emulation module
Compatibility	• Debugger (available on your platform from third party)

Logic Analysis Systems (Acquisition)

3. Verify analyzer support/compatibility

Agilent Technologies
Logic Analyzer Support

Products Discontinued

Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series			
	16715/16/17/18/19	16550,16710/11/12	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673

Use the "Logic Analyzer Support" section of the matrix to determine compatibility between the processor support product(s) you have selected and an existing analyzer to decide which frame and/or modules to purchase.

- The matrix lists a minimum and maximum number of pods for analyzing a device. The minimum pod count provides enough signals for the inverse assembler to interpret the captured data and display processor mnemonics. The maximum pod count provides access to additional signals that could be useful during system debug.

Example: The MPC860 BGA shows 6/12 which means the analysis probe requires 6 pods for inverse assembly. Six additional pods (for a total of twelve pods) could be used for analysis of additional signals.

- The analyzer support recommendations are based on the minimum pod count required for inverse assembly. Two methods are used for signifying analyzer support. A number represents the number of modules required. A check mark (√) signifies the analyzer has enough built-in acquisition channels to meet the minimum pod requirements.

Your mainframe and measurement module selection depends on:

- Number of analysis channels needed
- Optional measurement ability
- Future expansion capability
- Emulation requirements
- Form factor
- Budget

Frame offerings:

Agilent Technologies 16700B Series (pg 9): 5 Slot modular frame with expansion capability, supports 1 emulation module or 1 multiframe module.

Agilent Technologies 16700A Series (pg 10): 5 slot modular frame with expansion capability, supports 2 emulation modules.

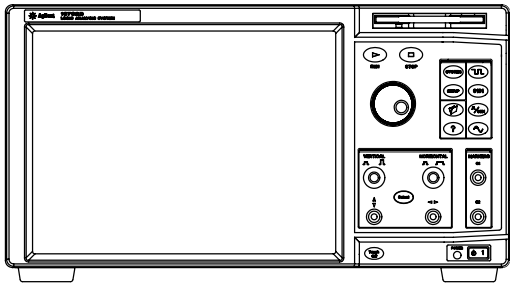
Agilent Technologies 1670G Series (pg 14): Benchtop analyzer with built-in acquisition. Choices include logic analyzer, logic analyzer with integrated pattern generator, and logic analyzer with integrated oscilloscope. Versions of each vary by channel count.

High level details are provided in this document for the logic analysis systems and modules. If more information is needed, please obtain the following documents.

Agilent Technologies Product	Literature
Agilent Technologies 16700 Series Logic Analysis System	5968-9661E
1670G Series Benchtops	5968-6421E

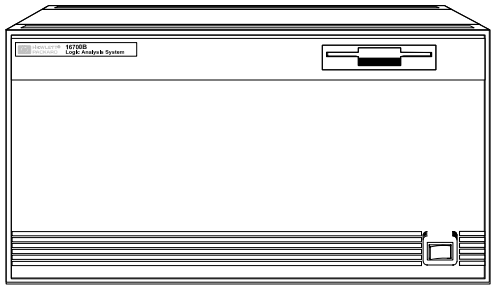
Agilent Technologies 16700B Series Mainframes

Agilent 16702B



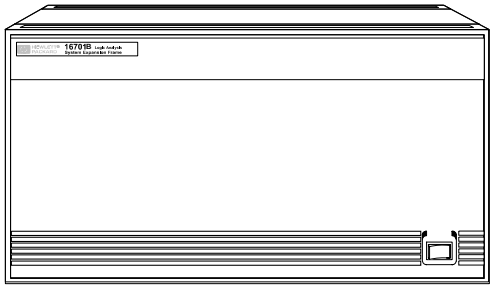
Agilent Model Number	Agilent 16702B
Display	12.1" 800x600 Color Flat Panel Display with touchscreen
Built-in Analysis Channels	None – Requires measurement modules
Supports Expansion frame	Yes – Agilent 16701A or 16701B
Available Measurement Module slots	5 (Total of 10 with Agilent 16701A or 16701B expansion frame)
Available Emulation Module slots	1 (Total of 3 with 16701A or 16701B expansion frame)
Internal System RAM	128 Mbyte standard
Supported Monitor Resolution	1280 x 1024 standard
Mass Storage	9 Gbyte hard disk drive, 1.44 Mbyte DOS formatted floppy drive
CD Rom Drive	40X Built-in standard

Agilent 16700B



Agilent Model Number	Agilent 16700B
Display	Monitor sold separately
Built-in Analysis Channels	None – Requires measurement modules
Supports Expansion frame	Yes – Agilent 16701A or 16701B
Available Measurement Module slots	5 (Total of 10 with Agilent 16701A or 16701B expansion frame)
Available Emulation Module slots	1 (Total of 3 with 16701A or 16701B expansion frame)
Internal System RAM	128 Mbyte standard
Supported Monitor Resolution	1280 x 1024 standard
Mass Storage	9Gbyte hard disk drive, 1.44 Mbyte DOS formatted floppy drive
CD Rom Drive	40X Built-in standard

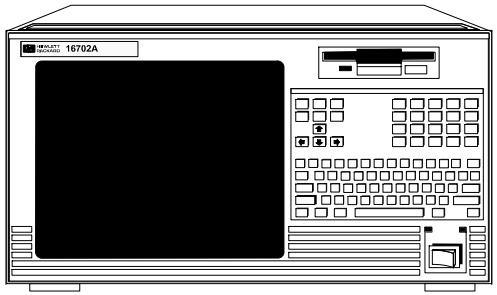
Agilent 16701B



Agilent Model Number	Agilent 16701B (Requires Agilent 16702A, 16702B, 16700A, or 16700B)
Display	N/A
Built-in Analysis Channels	None – Requires measurement modules
Supports Expansion frame	N/A
Available Measurement Module slots	5
Available Emulation Module slots	2

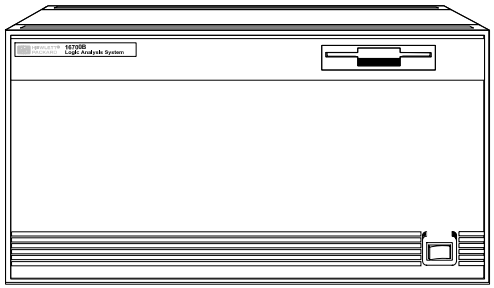
Agilent Technologies 16700A Series Mainframes

Agilent 16702A



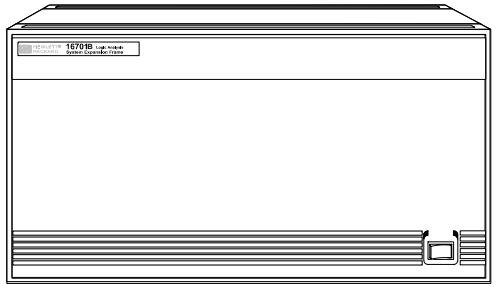
Agilent Model Number	Agilent 16702A
Display	10.3" 800x600 Color Flat Panel Display
Built-in Analysis Channels	None – Requires measurement modules
Supports Expansion frame	Yes – Agilent 16701A or 16701B
Available Measurement Module slots	5 (Total of 10 with Agilent 16701A or 16701B expansion frame)
Available Emulation Module slots	2 (Total of 4 with 16701A or 16701B expansion frame)
Internal System RAM	64 Mbyte standard
Supported Monitor Resolution	1280 x 1024 standard
Mass Storage	4 Gbyte hard disk drive, 1.44 Mbyte DOS formatted floppy drive
CD Rom Drive	Available via Option #004

Agilent 16700A



Agilent Model Number	Agilent 16700A
Display	Monitor sold separately
Built-in Analysis Channels	None – Requires measurement modules
Supports Expansion frame	Yes – Agilent 16701A or 16701B
Available Measurement Module slots	5 (Total of 10 with Agilent 16701A or 16701B expansion frame)
Available Emulation Module slots	2 (Total of 4 with 16701A or 16701B expansion frame)
Internal System RAM	64 Mbyte standard
Supported Monitor Resolution	1280 x 1024 standard
Mass Storage	4Gbyte hard disk drive, 1.44 Mbyte DOS formatted floppy drive
CD Rom Drive	Available via Option #004

Agilent 16701A



Agilent Model Number	Agilent 16701A (Requires Agilent 16702A, 16702B, 16700A, or 16700B)
Display	N/A
Built-in Analysis Channels	None – Requires measurement modules
Supports Expansion frame	N/A
Available Measurement Module slots	5
Available Emulation Module slots	2

Agilent 16700A Series Logic Analysis Systems Options

Option Number	Description
#001	Add 17", 1280x1024 Monitor and cable
#003	4 Mbyte video RAM supports up to 1600x1200 resolution, 256 Mbyte system RAM (Only available at time of frame purchase)
#004*	Add external CD-ROM Drive and cable (Agilent 16700A series frames only)
#008	186 B External data drive
#009	External removable hard drive
#012	Multi-frame module for correlating multiple frames
#0B3	Service Manual
#1CM	Rackmount Kit for 16700A, 16702A, 16700B
#AXC	Rackmount Kit for 16702B

*Built-in CD-ROM Drive standard on 16700B series

Agilent 16600A, 16700A, and 16700B Series Supported Measurement Modules

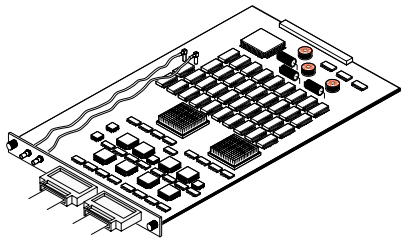
Measurement Module Category	Agilent Model Number	Description
State and Timing	16719A*	333 MHz state, 667 MHz timing, 2 GHz TimingZoom, 32/64 M memory depth
	16718A*	333 MHz state, 667 MHz timing, 2 GHz TimingZoom, 8/16M memory depth
	16717A*	333 MHz state, 667 MHz timing, 2 GHz TimingZoom, 2/4 M memory depth
	16716A*	167 MHz state, 667 MHz timing, 2 GHz TimingZoom, 512K/1M memory depth
	16715A*	167 MHz state, 667 MHz timing, 2/4 M memory depth
	16710A/11A/12A	100 MHz state, 500 MHz timing, 8K/32K/128K deep memory depth
	16557D	140 MHz state, 500 MHz timing, 2/4 M memory depth
	16556A/D	100 MHz state, 400 MHz timing, 2/4 M memory depth
	16555A/D	110 MHz state, 500 MHz timing, 2/4 M memory depth
	16554A	100 MHz state, 250 MHz timing, 512 K/1M memory depth
	16550A	100 MHz state, 500 MHz timing, 4/8 K memory depth
Oscilloscopes	16534A	2 channel, 500 MHz bandwidth
	16533A	2 channel, 250 MHz bandwidth
High-Speed Timing	16517/18A	4 GHz timing/1 GHz synchronous state, 64K memory depth (master/expander)
Pattern Generator	16720A*	300M vector/second pattern generator
	16522A	200M vector/second pattern generator

*Only supported in Agilent 16700A or 16700B Series

Measurement Modules

- State/Timing
- Oscilloscope
- High-Speed Timing
- Pattern Generator
  (Require mainframe with available measurement module slot)

State and timing logic analyzers support inverse assembly, which is used for most processor and bus measurements. You may want to consider additional measurement capability to provide a complete signals to source debug environment.



State/Timing Logic Analysis Modules

(Select according to channel count, acquisition speed, and memory depth needs)

Agilent Model Number	Agilent 16557D		Agilent 16710A	Agilent 16711A	Agilent 16712A
	1-4 Modules	5 Modules			
Channels (Pods) per module	68 (4 Pods)		102 (6 Pods)	102 (6 Pods)	102 (6 Pods)
Maximum channels (modules) on a single time base and trigger	272 (4 modules)	340 (5 modules)	204 (2 modules)	204 (2 modules)	204 (2 modules)
Maximum Timing Sampling Rate (full/half channels)	250/500 MHz		250/500 MHz	250/500 MHz	250/500 MHz
Maximum State Clock	140 MHz	100 MHz	100 MHz	100 MHz	100 MHz
Memory depth (full/half channels)	2 / 4 M *		8 / 16K*	32 / 64K*	128 / 256K*

Agilent Model Number	Agilent 16715A	Agilent 16716A	Agilent 16717A	Agilent 16718A	Agilent 16719A
Channels (Pods) per module	68 (4 Pods)	68 (4 Pods)	68 (4 Pods)	68 (4 pods)	68 (4 pods)
Maximum channels (modules) on a single time base and trigger	340 (5 modules)	340 (5 modules)	340 (5 modules)	340 (5 modules)	340 (5 modules)
Maximum Timing Sampling Rate (full/half channels)	333/667 MHz	333/667 MHz 2 GHz Timing Zoom	333/667 MHz 2 GHz Timing Zoom	333/667 MHz 2 GHz Timing Zoom	333/667 MHz 2 GHz Timing Zoom
Maximum State Clock	167 MHz	167 MHz	333 MHz	333 MHz	333 MHz
Memory depth (full/half channels)	2 / 4 M *	512K /1 M*	2/4 M*	8/16 M*	32/64 M*

*** Increased memory depth in half channel timing mode only.**

Oscilloscope Modules

Agilent Model Number	Agilent 16533A	Agilent 16534A
Channels/Module	2	
Channels on a single time base and trigger	8	
Maximum Sample Rate	1 GSa/s	2 GSa/s
Bandwidth	250 MHz	500 MHz
Vertical Resolution	8 bits	
Memory Depth per channel	32 K	

High-Speed Timing Module

Agilent Model Number	Agilent 16517A/18A (Agilent 16518A requires Agilent 16517A, Max of 4 Agilent 16518A expander modules per Agilent 16517A)
Channels/module	16
Maximum channels on a single time base	80
Maximum timing sample rate	Conventional 2/4 GHz (full/half channels)
Maximum state sample rate	1 GHz Synchronous State
Memory Depth	64/128K* (full/half channel)

*** Increased memory depth in half channel timing mode only.**

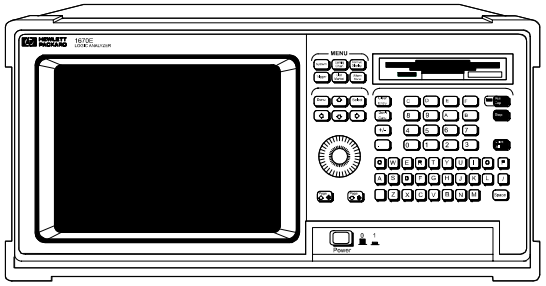
Pattern Generator Module

Agilent Model Number	Agilent 16522A Up to 5 modules can be interconnected. Order at least one clock pod for each module used as a master, and at least one data pod for every 8 output channels			Agilent 16720A Up to 5 modules can be interconnected. Order at least one clock pod for each module used as a master, and at least one data pod for every 8 output channels	
Maximum Clock	200 MHz	100 MHz	50 MHz	300 MHz	180 MHz
Number of data channels per module	20	40	40	24	48
Maximum vector width (5 module system)	100 bits	200 bits	200 bits	120 bits	240 bits
Memory depth, in vectors	258,048			16M	8M
“IF” command	No	No	Yes	No	No

Pattern Generator Clock and Data Pods

Agilent 16522A, 16720A Option Number	Description
#011	TTL Clock Pod and Lead Set
#012	3-State TTL/3.3V Data Pod and Lead Set
#013	3-State TTL/CMOS Data Pod and Lead Set
#014	TTL Data Pod and Lead Set
#021	ECL Clock Pod and Lead Set
#022	ECL (Terminated) Data Pod and Lead Set
#023	ECL (Unterminated) Data Pod and Lead Set
#031	5V PECL Clock Pod and Lead Set
#032	5V PECL Data Pod and Lead Set
#033	3.3V LVPECL Clock Pod and Lead Set
#034	3.3V LVPECL Data Pod and Led Set

1670G Benchtop Analyzers



Agilent Model Number	Agilent 1670G	Agilent 1671G	Agilent 1672G	Agilent 1673G	Agilent 1664A
State and Timing Channels (Pods)	136 (8 Pods)	102 (6 Pods)	68 (4 Pods)	34 (2 Pods)	34 (2 Pods)
Timing Analysis	Conventional: 250 MHz all channels, 500 MHz half channels				
State Analysis Speed	150 MHz, all channels				50 MHz
Memory Depth per Channel	64K per channel, 128K in half-channel mode				
Option 001	256K per channel, 512K in half-channel mode				4K
Option 002	2M per channel, 4M in half-channel mode				

Oscilloscope key specifications and characteristics (Option # 003 only)	
Channels	2
Maximum Sample Rate	2 GSa/s per channel
Bandwidth	dc to 500 MHz (dc coupled)
Rise Time	700 ps
Vertical Resolution	8 bits
Memory Depth per Channel	32k samples

32-channel pattern generator key specifications and characteristics (Option # 004 only) (See pg 13 for clock and data pod options)			
Maximum Clock Speed	200 MHz	100 MHz	50 MHz
Number of Data Channels	16	32	32
Memory Depth, in vectors	258,048		
“IF” Command	No	No	Yes

Analysis Tools

Products Discontinued

Application Software	Frame Compatibility					
Description	**16700A/B Series**	**16600A Series**	**16500C**	**1670G Series**	**3rd Party Vendor or Agilent Product Number**	**Notes:**
Source Correlation Tool Set The Source Correlation tool set provides a link between your trace listing and high-level source code language. A trace is displayed in both high-level source code as well as microprocessor mnemonics.	√	√			Agilent B4620B	Product Literature: 5968-9661E
Data Communications Tool Sets Displays logic analyzer trace information at a protocol level. The data communications powerful trigger tool set macros allow triggering on standard or custom protocol fields. Supports data buses up to 340 bits wide.	√ (Only works with 16715/6/7/8/9 state and timing modules)				Agilent B4640B	
Tool Development Kit - Customize your trace for greater insight. Development environment for creating custom tools using the C programming language. Custom tools can analyze captured data and present it in a form that makes sense to you. Analysis systems do not require the Tool Development kit to run generated tools.	√	√			Agilent B4605B	
System Performance Analysis (SPA) Tool Set The SPA tool generates statistical representations of data captured by the measurement modules. SPA helps you optimize system performance by helping you (1) find the routines that are called most often in your system, (2) identify inefficient peripheral use, and (3) find processes that use too much CPU time.	√	√			Agilent B4600B	
Serial Analysis Tool Set Converts acquired serial bit streams to parallel format for easy viewing and analysis.	√	√			Agilent B4601B	
BestLink/16700 BestLink/16700 is a powerful and easy to use bidirectional data link between Agilent Logic Analyzers and VHDL/Verilog simulators. BestLink/16700 processes very fast the large datasets typically acquired with the large memory depths state/timing Logic Analysis modules such as the Agilent 16557D or large simulation datasets to program the Agilent 16552A pattern generator modules.	√				Diagonal Systems	Free Demo Available www.diagonal.com
WAVE-Link 16500 WAVE-Link allows you to send stimulus to the Agilent 16522A pattern generator or capture circuit response from the actual hardware with the logic analyzer modules.			√		Diagonal Systems	

Analysis Tools (continued)

Products Discontinued

Application Software	Frame Compatibility					
Description	**16700A Series**	**16600A Series**	**16500C**	**1670G Series**	**3rd Party Vendor or HP Product Number**	**Notes:**
WaveFormer Pro WaveFormer Pro can read the waveform files produced by Agilent's logic analyzers into its timing diagram editing and simulation environment. Users can document the captured waveforms or generate simulation stimulus files in VHDL, Verilog, SPICE, ABEL, and other waveform formats. Simulation supports continuous setup and hold checking on captured waveforms. WaveFormer Pro can also produce stimulus for the Agilent 16522A or 16720A Pattern Generator.	√	√	√	√	SynaptiCAD	Free Demo Available www.syncad.com
VeriLogger Pro VeriLogger Pro is a full featured Verilog simulator with an integrated waveform viewer which supports Agilent Logic Analyzers and Agilent Pattern Generators. Agilent waveform files can be combined directly with simulation models. The project environment supports multiple Agilent waveform files and provides waveform comparison.	√	√	√	√	SynaptiCAD	
TestBencher Pro TestBencher Pro is a VHDL/Verilog test bench and bus-functional model generator. It can take several Agilent logic analyzer waveform files and combine them to produce reactive bus-functional models of the system under test. Supports waveform comparison, continuous setup and hold checking, and spot sample checking.	√	√	√	√	SynaptiCAD	

Third Party Debugger Support

Debuggers from several companies control Agilent Technologies emulation probes and emulation modules. Connections to Agilent debugging tools through familiar interfaces provide access to emulation features so that in-circuit debugging becomes an extension of the software debugging process under way.

The following debuggers connect to Agilent emulation probes and emulation modules providing support for a variety of processor architectures and real-time operating systems. Contact your Agilent sales representative for detailed connection information.

Processor Family	Available Debuggers
ARM 7,9 Thumb®	ARM,GHS,WindRiver
ARM 7,9 - ETM	ARM, GHS
IBM PPC4XX	Microtec/Mentor, SDS, WindRiver
IBM PPC6XX	GHS, Microtec/Mentor, SDS, WindRiver
IBM PPC7XX	GHS, Microtec/Mentor, SDS, WindRiver
Pentium and Pentium w/MMX processors	CAD-UL
Pentium II, Pentium Pro and Pentium II mobile processor	American Arium
Motorola MPC5XX	GHS, Microtec/Mentor, SDS, WindRiver
Motorola PPC6XX	GHS, Microtec/Mentor, SDS, WindRiver
Motorola PPC7XX	GHS, Microtec/Mentor, SDS, WindRiver
Motorola PPC7400	GHS
Motorola MPC8XX	GHS, Microtec/Mentor, SDS, WindRiver
Motorola MPC82XX	GHS, Microtec/Mentor, SDS, WindRiver
CPU32	GHS, Microtec/Mentor, SDS
M-core	SDS, GHS
Toshiba Tx19/39	GHS

Example Configuration

Measurement Requirements

Your target has an MPC 860 in a BGA package. You need to capture real time traces as well as control the processor. What tools are available to support this processor?

1. Determine if your device is supported.
   Search through the matrix alphabetically. Note that your processor is listed on pg. 36. The MPC 860 section of the matrix is shown below.
2. Select the product(s) that meet your measurement needs
   The matrix lists several available products. Use pages 6-7 to review each product type's abilities. The E9484B #002 emulation solution provides the measurement capabilities you desire for the MPC 860 BGA. Refer to the literature listed in the notes to verify clearance requirements for the analysis probe.
3. Verify analyzer support and compatibility
   The matrix shows that for the E9484B #002 the logic analyzer choices are the Agilent 16700A/B Series with a selection of modules. "MPC860 Configuration Solution" lists products for a complete solution.

MPC860 Configuration Solution

Frame: Agilent 16700B
Agilent 16700B #001 Monitor
Agilent 16700B #003 Memory Performance Upgrade
256 MB total RAM, 4 MB video RAM

Acquisition: Agilent 16717A (Quantity 2 for minimum configuration, quantity 3 to cover all of the pins)

Processor Support: Agilent E9484B #002 (Includes Emulation Module, Analysis Probe, and Source correlation tool set.)
Debugger (from third party)

Optional Measurement Modules: Agilent 16534A Oscilloscope
Agilent 16720A Pattern Generator for Stimulus

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued)

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673
Motorola PowerPC 8XX Family																								
MPC855, 860 DP/P/T	50	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9584B #001		6/12	2	1	2	√	√	√		1	2	√	√		
			Emul Soln	√	√	√	√	√	E9484B #001		6/12	2	1	2										
			Emul Prb				√		E5900B #080															
			Emul Mod				√	√	E5901B #080															
			Emul Migr				√	√	E5902A #080															
			Emul Migr				√	√	E5902B #080															
		357-BGA	Anly Prb	√	√	√		√	E9584B #002		6/12	2	1	2	√	√	√		1	2	√	√		
			Emul Soln	√	√	√	√	√	E9484B #002		6/12	2	1	2										
			Emul Prb				√		E5900B #080															
			Emul Mod				√	√	E5901B #080															
			Emul Migr				√	√	E5902A #080															
			Emul Migr				√	√	E5902B #080															

Notes:

1. Directly available from the 3rd party vendor by this product #
2. Requires termination adapters (P/N 01650-63203)
3. Available from Agilent through resale program
4. Requires termination adapters (P/N E5346A)

E9584B #002-former product# E2476B
Inverse assembler supports trace reconstruction. Trace reconstruction makes use of branch show cycles and reconstructs the full software trace. This allows the processor to run with cache enabled. Emulation products can connect directly to BDM port via the MPC860 analysis probe, otherwise requires BDM port on the target.
Product Literature: 5966-2866E

Device Coverage			Product Information						Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Actel FPGA																									
ACT1280	All	176-PGA	Anly Prb	√					Corelis		-/9	2	1	2	√	√	√		1	2	√	√			LACT-1000/PGA176[1], Qty: 9[2]
Altera EPLD																									
EPM5192-P	All	84-PGA	Anly Prb	√					Corelis		-/5	2	1	2	√	√	√		1	2	√	√			LMAX-5000/PGA84[1], Qty:5[2]
AMD																									
29000/50	All	PGA	Anly Prb	√	√				Corelis		5/9	2	1	2	√	√	√		1	2	√	√			PI-AM29000[1], Qty:5[2]
29030	All	PGA	Anly Prb	√	√				Corelis		5/7	2	1	2	√	√	√		1	2	√	√			PI-AM29030[1], Qty:5[2]
29040	50	PGA	Anly Prb	√	√				Corelis		5/9	2	1	2	√	√	√		1	2	√	√			PI-AM29040[1], Qty:5[2]
29200	50	PQFP	Anly Prb	√	√				Corelis		5/10	2	1	2	√	√	√		1	2	√	√			PI-AM29200[1], Qty:5[2]
29202	25	PQFP	Anly Prb	√	√				Corelis		5/8	2	1	2	√	√	√		1	2	√	√			PI-AM29202[1], Qty:5[2]
29205	16	PQFP	Anly Prb	√	√				Corelis		5/6	2	1	2	√	√	√		1	2	√	√			PI-AM29205[1], Qty:5[2]
29240/43/45	25	PQFP	Anly Prb	√	√				Corelis		5/11	2	1	2	√	√	√		1	2	√	√			PI-AM2924X[1], Qty:5[2]
186CC	All	IA Only, Custom Probing	Anly Prb	√	√				Corelis		4/4	1	1	1	√	√	√	√	1	1	√	√	√		PI-AM186CC/P[1], Qty:2[4]
186EM/ES	40	PQFP	Anly Prb	√	√				Corelis		4/8	1	1	1	√	√	√	√	1	1	√	√	√		PI-Am186EM/ES-P[1],Qty:4 [2]
									Resale																Agilent: CRL-60054 [3],Qty:4 [2]
		TQFP	Anly Prb	√	√				Corelis		4/8	1	1	1	√	√	√	√	1	1	√	√	√		PI-Am186EM/ES-T[1],Qty:4 [2]
									Resale																Agilent: CRL-60055 [3],Qty:4 [2]
188EM/ES	40	PQFP	Anly Prb	√	√				Corelis		4/8	1	1	1	√	√	√	√	1	1	√	√	√		PI-Am188EM/ES-P[1],Qty:4 [2]
									Resale																Agilent: CRL-60056 [3],Qty:4 [2]
		TQFP	Anly Prb	√	√				Corelis		4/8	1	1	1	√	√	√	√	1	1	√	√	√		PI-Am188EM/ES-T[1],Qty:4 [2]
									Resale																Agilent: CRL-60057[3],Qty:4 [2]
Analog Devices																									
ADSP2100/2101		—			√				Factory		3/-								1						
Aptix																									
AX1024D FPIC	All	PGA	Anly Prb	√					Aptix		-/4		1						1		√	√	√		

Products Discontinued

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support											Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/16/17/18/19	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673	1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
ARM																						
ARM7, ARM7 Thumb®, ARM9 Thumb® Families	All	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9595A #001		4/4	1	1	1	√	√	√	√	1	1	√	√	√		All ARM emulation products require JTAG debug port on target. E5903A #300 requires emulation probe. E5903A #301 includes E5900A #300 and E5903A #300. E5902A #300 is only compatible with E5900A #300 or E5901A #300. E5902B #300 is only compatible with E5900B #300 or E5901B #300. Custom probing application note for Analysis Probe and Emulation Solution is on the web. www.agilent.com/find/emulator Product Literature: 5966-3442E Custom probing information for trace port analysis is on the web. User's guide E5903-9700.
											6/6	2	1	2	√	√	√		1	2	√	√			
ARM7 Thumb®, ARM9 Thumb® Families	All	IA Only, Custom Probing	Emul Soln	√	√	√	√	√	E9495B #001		4/4	1	1	1											
											6/6	2	1	2											
											Required Pod Count for.....						**Address & Chip Select Lines**					**External Data Bus Width**		
											4						Up to 32					8		
											4						Up to 24					8/16		
											6						Up to 32					8/16/32		
			Emul Prb				√		E5900B #300																
			Emul Mod				√	√	E5901B #300																
			Emul Migr				√	√	E5902A #300																
			Emul Migr				√	√	E5902B #300																
ARM7,9 - ETM (Embedded Trace Module)	333	All	N-Trace Anly Prb					√	E9595A #002		2/2	1	1	1	√	√	√	√							
	125	All	Trace Prt Anlyz					√	E5903A #300																
	125	All	Trace Prt Anlyz Bundle				√	√	E5903A #301																
ARM7,9 - ETM - Related Products			A debugger is available from the following vendor: ARM, GHS. Contact the debugger company for detailed information.																						
Emulation Only- ARM7 Thumb® ARM9 Thumb® Families	All	All	Emul Prb				√		E5900B #300																
			Emul Mod				√	√	E5901B #300																
			Emul Migr				√	√	E5902B #300																
			Emul Migr				√	√	E5902B #300																
ARM7,9 Thumb® - Related Products			Debuggers are available from the following vendors: ARM, GHS, WindRiver. Contact the debugger company for detailed information.																						

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued) | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673	Notes:
Atmel																										
AT91 (ARM7TDMI)	40	100-QFP	Anly Prb/ Mem Emul				√	√	Europe Technologies		6/8	2	1	2	√	√	√		1	2	√	√			ICE40400
AT&T																										
92010 (Hobbit)	All	PQFP	Anly Prb	√	√				Corelis		6/6	2	1	2	√	√	√		1	2	√	√			PI-ATT92010[1], Qty:6[2]
Dallas																										
80C320	8	DIP	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-C320-DIP-PAS[1],Qty:2[2]
		PLCC	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-C320-PLCC-PAS[1],Qty:2[2]
		PQFP	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-C320-PQFP-PAS/S[1],Qty:2[2]
DEC																										
See Intel Other for Strong ARM products																										
Fujitsu																										
MB86860	—	—	IA		√	√			ALD		6/6	2	1	2	√	√	√		1	2	√	√			ALD-8601A
GTE																										
65816	All	—	IA		√				HP Factory		3/3							1							

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Agilent Technologies Logic Analyzer Support — Products Discontinued

Device Coverage			Product Information								Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number			16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
Hitachi																									
SH7709A/29 (SH3)	All	208-QFP	Anly Prb	√	√			√	E9605A #002		6-10		1	1	√	√	√		1	2	√	√			Analysis Probe requires B3759A #720 for state analysis. For custom probing, B3759A #720 provides inverse assembly. Emulation product requires HUDI/AUD connector on target board. Product Literature: 5968-4546E.
			Emul Prb				√		E5900A #720																
			Emul Mod				√	√	E5901A #720																
			Emul Migr				√	√	E5902A #720																
SH 7750 (SH4)	All	208-QFP	Anly Prb	√	√			√	E9598A #002		8/10		2	2	√	√									Analysis Probe requires B3759A #710 for state analysis. For custom probing, B3759A #710 provides Inverse Assembly. Emulation product requires HUDI connector on target board. E9498A #002 does not include B4620B Source Correlation tool set. Equivalent functionality is provided by B3759A #710. A debugger is also available from SDS. Product Literature: 5968-4155E
			Emul Soln	√	√		√	√	E9498A #002		8/10		2	2	√	√									
			Emul Prb				√		E5900A #710																
			Emul Mod				√	√	E5901A #710																
			Emul Migr				√	√	E5902A #710																
IBM																									
IBM PowerPC 4XX Family																									
PowerPC 403GA/GB, 403GC/GCX	50	IA Only, Custom Probing	Anly Prb	√	√			√	E2449B		5/8	2	1	2	√	√	√		1	2	√	√			All PowerPC 4XX emulation products require a debug port on the target. E5902A #060 is only compatible with E5900A #060 or E5901A #060. E5902B #060 is only compatible with E5900B #060 or E5901B #060.
			Emul Prb				√		E5900B #060																
			Emul Mod				√	√	E5901B #060																
			Emul Migr				√	√	E5902A #060																
			Emul Migr				√	√	E5902B #060																
Emulation Only- 401B2,401C2, 401D2, 403GA/GB, 403GC/ GCX, 401GF, 405	All	All	Emul Prb				√		E5900B #060																
			Emul Mod				√	√	E5901B #060																
			Emul Migr				√	√	E5902A #060																
			Emul Migr				√	√	E5902B #060																
PowerPC 403GA/GB/GC/GCX - Related Products			Debuggers are available from the following vendors: Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						

Agilent Technologies Logic Analyzer Support — Products Discontinued

Device Coverage			Product Information								Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number			16715/6/7/8/9	16550,16710/12	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
IBM PowerPC 6XX Family																									
PowerPC 601	66	—	IA	√	√				E2449B		8/10	2	2	2	√	√			2	2	√				
PowerPC 603, 603e, 603ei, 603ev	66	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9587A #001		8/10	2	2	2	√	√			2	2	√				E9587A #001-former product # E2449B E9587A #002-former product #E2455B Inverse assembler on Agilent 1660X/1670X frames support code-flow only mode which provides inverse assembly from address and status information only. This mode requires a minimum of 4 pods. Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. All PowerPC 6XX emulation products require a JTAG port on the target. E5902A #060 is only compatible with E5900A #060 or E5901A #060. E5902B #060 is only compatible with E5900B #060 or E5901B #060. Product Literature: 5966-2868E.
			Emul Soln	√	√	√	√	√	E9487B #001		8/10	2	2	2											
			Emul Prb				√		E5900B #060																
			Emul Mod				√	√	E5901B #060																
			Emul Migr				√	√	E5902A #060																
			Emul Migr				√	√	E5902B #060																
PowerPC 603, 603e, 603ev	66	240-PQFP	Anly Prb	√	√	√		√	E9587A #002		8/10	2	2	2	√	√			2	2	√				
			Emul Soln	√	√	√	√	√	E9487B #002		8/10	2	2	2											
			Emul Prb				√		E5900B #060																
			Emul Mod				√	√	E5901B #060																
			Emul Migr				√	√	E5902A #060																
			Emul Migr				√	√	E5902B #060																
Emulation Only- 603, 603e- rev1,3,4,5 603ei, 603ev - rev2,12	All	All	Emul Prb				√		E5900B #060																
			Emul Mod				√	√	E5901B #060																
			Emul Migr				√	√	E5902A #060																
			Emul Migr				√	√	E5902B #060																
PowerPC 603 - Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						
PowerPC 603e	66	255-BGA	Adapter (soldered)						Ironwood Electronics																LA-BGA-603E-S-B-01[1], 255-pin BGA requires Agilent E9587A #001 and LA-BGA-603E-S-B-01 and SF-BGA255A-B-01
PowerPC 603e	66	255-BGA	Adapter (socketed)						Ironwood Electronics																LA-BGA-603E-S-B-01[1], 255-pin BGA requires Agilent E9587A #001 and LA-BGA-603E-Z-B-01 and SF-BGA255A-B-01

Device Coverage			Product Information						Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
IBM PowerPC 6XX Family continued																									
Emulation Only-	All	All	Emul Prb				√		E5900B #060																All PowerPC 6xx emulation products
604, 604e-rev2,3			Emul Mod				√	√	E5901B #060																require a JTAG port on the target.
			Emul Migr				√	√	E5902A #060																E5902A #060 is only compatible with
			Emul Migr				√	√	E5902B #060																E5900A #060 or E5901A #060. E5902B #060
																									is only compatible with E5900B #060
																									or E5901B #060.
																									Product Literature: 5966-2868E
PowerPC 604 - Related Products			Debuggers are available from the following vendors: Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						

Agilent Technologies Logic Analyzer Support — Products Discontinued

Device Coverage			Product Information										Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number					16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
IBM PowerPC 7XX Family																											
PowerPC 740	All	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9586A #001				8/10	2	2	2	√	√			2	2	√				E9586A#001-former product# E2498A Inverse assembler on Agilent 1660X/1670X frames supports code-flow only mode which provides inverse assembly from address and status information
			Emul Soln	√	√	√	√	√	E9486B #001				8/10	2	2	2											
			Emul Prb				√		E5900B #070																		
			Emul Mod				√	√	E5901B #070																		
			Emul Migr				√	√	E5902A #070																		
			Emul Migr				√	√	E5902B #070																		
Emulation Only - 740	All	All	Emul Prb				√		E5900B #070																		only. This requires a minimum of 4 pods. Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. All PowerPC 7XX emulation products require a JTAG port on the target. E5902A #070 is only compatible with E5900A #070 or E5901A #070. E5902B #070 is only compatible with E5900B #070 or E5901B #070. Product Literature: 5966-2867E
			Emul Mod				√	√	E5901B #070																		
			Emul Migr				√	√	E5902A #070																		
			Emul Migr				√	√	E5902B #070																		
PowerPC 7XX - Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																								
PowerPC 740	66	255-BGA (soldered)	Adapter						Ironwood Electronics																		LA-BGA-740-S-B-02[1], 255-pin BGA requires Agilent E9586A #001 and LA-BGA-740-S-B-02 and SF-BGA255A-B-01
	66	255-BGA (socketed)	Adapter						Ironwood Electronics																		LA-BGA-740-Z-B-02[1], 255-pin BGA requires Agilent E9586A #001 and LA-BGA-740-Z-B-02 and SF-BGA255A-B-01

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued) | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673	Notes:
IBM PowerPC 7XX Family continued																										
PowerPC	All	IA Only,	Anly Prb	√	√	√		√	E9586A #001		8/10	2	2	2	√	√			2	2	√				E9586A#001-former product# E2498A
750		Custom	Emul Soln	√	√	√	√	√	E9486B #001		8/10	2	2	2											Inverse assembler on Agilent
		Probing	Emul Prb				√		E5900B #070																1660X/1670X frames supports
			Emul Mod				√	√	E5901B #070																code-flow only mode which
			Emul Migr				√	√	E5902A #070																provides inverse assembly from
			Emul Migr				√	√	E5902B #070																address and status information
Emulation Only -	All	All	Emul Prb				√		E5900B #070																only. This requires a minimum of
750			Emul Mod				√	√	E5901B #070																4 pods. Cache on trace reconstruction
			Emul Migr				√	√	E5902A #070																makes use of processor branch trace
			Emul Migr				√	√	E5902B #070																mode and reconstructs the full software
																									trace. This allows the processor to run full
																									speed, uninterrupted from internal flash or
																									cache with cache enabled. All PowerPC
																									7XX emulation products require a JTAG
																									port on the target. E5902A #070 is only
																									compatible with E5900A #070 or E5901A #070.
																									E5902B #070 is only compatible with
																									E5900B #070 or E5901B #070.
																									Product Literature: 5966-2867E
PowerPC 7XX - Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						
PowerPC 750	66	360-BGA	Adapter (soldered)						Ironwood Electronics																LA-BGA-750-S-B-02[1], 360-pin BGA requires Agilent E9586A #001 and LA-BGA-750-S-B-02 and SF-BGA360A-B-01
	66	360-BGA	Adapter (socketed)						Ironwood Electronics																LA-BGA-750-Z-B-02[1], 360-pin BGA requires Agilent E9586A #001 and LA-BGA-750-Z-B-02 and SF-BGA360A-B-01

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Device Coverage			Product Information							Agilent Technologies Logic Analyzer Support														Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number	Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
											16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
IDT																								
R3041	50	PLCC	Anly Prb	√	√				Corelis	5/6	2	1	2	√	√	√		1	2	√	√			PI-R3041[1], Qty: 5 [2]
R3051/52/81/82	50	PLCC	Anly Prb	√	√				Corelis	5/6	2	1	2	√	√	√		1	2	√	√			PI-R30XX[1], Qty: 5 [2]
R32364	67	TQFP	Anly Prb	√	√				Corelis	5/7	2	1	2	√	√	√		1	2	√	√			PI-R32364[1], Qty: 5[2]
									Resale															Agilent: CRL-60079[3], Qty: 5[2]
R36100	33	MQUAD	Anly Prb	√	√				Corelis	6/12	2	1	2	√	√	√		1	2	√	√			PI-R36100[1], Qty: 6[2]
									Resale															Agilent: CRL-60037 [3], Qty: 6[2]
R4000/4400PC	50	PGA	Anly Prb	√	√				Corelis	8/9	2	2	2	√	√			2	2	√				PI-R4000/4400 [1]
									Resale															Agilent: CRL-60039[3]
R4600/4700	All	PGA	Anly Prb	√	√				Corelis	6/7	2	1	2	√	√	√		1	2	√	√			PI-R4600 [1],Qty:6 [2]
									Resale															Agilent: CRL-60035 [3],Qty:6[2]
		MQUAD	Anly Prb	√	√				Corelis	6/7	2	1	2	√	√	√		1	2	√	√			PI-R4600/4700-Q[1],Qty:6[2]
									Resale															Agilent: CRL-60040 [3],Qty:6[2]
R4640	All	PQFP	Anly Prb	√	√				Corelis	4/4	1	1	1	√	√	√	√	1	1	√	√	√		PI-R4640 [1],Qty:4[2]
									Resale															Agilent: CRL-60038 [3],Qty:4[2]
R4650	All	MQUAD	Anly Prb	√	√				Corelis	6/7	2	1	2	√	√	√		1	2	√	√			PI-R4650 [1],Qty:6[2]
									Resale															Agilent: CRL-60036 [3],Qty:6[2]
R5000	All	PGA	Anly Prb	√	√				Corelis	6/9	2	1	2	√	√	√		1	2	√	√			PI-R5000 [1],Qty:6 [2]
									Resale															Agilent: CRL-60041 [3],Qty:6[2]
RC64474	All	PQFP	Anly Prb		√	√			Corelis	6/6	2	1	2	√	√	√		1	2	√	√			PI-RC64474 [1], Qty:3[4]
									Resale															Agilent: CRL-60086 [3], Qty:3[4]
RC64475	All	MQUAD	Anly Prb		√	√			Corelis	8/8	2	2	2	√	√			2	2	√				PI-RC64475 [1], Qty:4[4]
									Resale															Agilent: CRL-60087 [3], Qty:4[4]
RC64574	All	PQFP	Anly Prb		√	√			Corelis	6/6	2	1	2	√	√	√		1	2	√	√			PI-RC64474 [1], Qty:3[4]
									Resale															Agilent: CRL-60086 [3], Qty: 3[4]
RC64575	All	MQUAD	Anly Prb		√	√			Corelis	8/8	2	2	2	√	√			2	2	√				PI-RC64475 [1], Qty:4[4]
									Resale															Agilent: CRL-60087 [3], Qty:4[4]

Products Discontinued

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** | Products Discontinued | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673
Intel Architecture Processors (Includes Pentium, 80X86, 80960X, and Other)																								
Intel Pentium																								

Product Compatibilities

Packages → Interposers → Analysis Probes → LA cards

- Mobile → E2494A
- Slot 1 → E2492B
- Slot 2 → E2492C
- 370 PPGA → E2492E

E2494A, E2492B, E2492C, E2492E → E2487C → 16555/6/7, 16715/16/17, 16718/19

Pentium CPU 567\66	66	PGA	Anly Prb	√					ET	-/12	3	2	3	√				2	3					HP-Pentium-PGA14-UI[1]
Pentium and Pentium with MMX (75 to 233 MHz - core)	66	296-SPGA	Anly Prb	√	√	√		√	E9592A #002	8/10	2	2	2	√	√			2	2	√				E9592A #002-former product# E2457A E5900A #500-former product# E3491B Emulation products can connect directly to the processor debug port via analysis probe. Product Literature: 5966-3106E
			Emul Soln	√	√	√	√	√	E9492A #002	8/10	2	2	2	√	√									
			Emul Prb				√		E5900A #500															
			Emul Mod				√	√	E5901A #500															
Emulation Only - Pentium and Pentium with MMX			Emul Prb				√		E5900A #500															
			Emul Mod				√	√	E5901A #500															
Pentium w/ MMX - Related Products			A debugger is available from the following vendor: CAD-UL. Contact the debugger company for detailed information.																					
Pentium Pro	66	387-SPGA	Anly Prb	√	√	√		√	E2466B	10/10	3	2	3	√				2	3					Requires 12 pods if used with E2467A APIC Analysis Probe. Requires the 16505A when used with the 16500B/C frame. Standard state mode provides transaction tracking. Inverse assembly requires the use of the emulation module or emulation probe. E2466B Product Literature: 5964-2343E.

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Device Coverage			Product Information							Agilent Technologies Logic Analyzer Support													Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Intel Pentium continued																									
Pentium II, Pentium III up to 800 MHz	133	SEC Cartridge Slot 1 (SC242)	Anly Prb		√	√		√	E2487C E2492B		12/12	3		3											Standard state mode provides transaction tracking. Inverse assembly requires the use of the emulation module or emulation probe. Product Literature: 5968-2421E
Pentium III up to 800 MHz	133	FC-PGA (PGA370)	Anly Prb		√	√		√	E2487C E2492E		12/12	3		3											
Pentium II Xeon, Pentium III Xeon up to 733 MHz	133	SEC Cartridge Slot 2 (SC330)	Anly Prb		√	√		√	E2487C E2492C		12/12	3		3											
Celeron Processor at 266, 300,300A,333,400, 433, 500, 533 MHz	133	SEP Package Slot 1 (SC242)	Anly Prb		√	√		√	E2487C E2492B		12/12	3		3											
Celeron Processor at 300A, 333,366,400, 433, 466,500,533 MHZ	133	PPGA (PGA370)	Anly Prb		√	√		√	E2487C E2492E		12/12	3		3											
Pentium II Mobile Processor	66	Mobile/Package Mobile/Module	Anly Prb		√			√	E2494S		12/12	3		3											E2494S includes E2487C and E2494A. Product Literature: 5966-2120E
Emulation Only- Pentium Pro, II, III, and Celeron Families	All	All	Emul Prb Emul Mod Emul Migr				√ √ √	 √ √	E5900A #510 E5901A #510 E5902A #510																Former product #: E3493B, Requires debug port on target Product Literature: 5966-3880E
Pentium II - Related Products			A debugger is available from the following vendor: American Arium. Contact the debugger company for detailed information.																						

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Intel 80X86																									
8086/8088	10	DIP	Anly Prb		√				ET		3/3	1	1	1	√	√	√	√	1	1	√	√	√		HP-8086/88-DIP40-PAS[1],Qty:3 [2]
80186/88/XL	20	PLCC	Anly Prb	√	√				ET		3/6	1	1	1	√	√	√	√	1	1	√	√	√		HP-80186/88-PCC1-PAS[1], Qty:3[2]
80C186EB	20	PLCC	Anly Prb	√	√				ET		3/6	1	1	1	√	√	√	√	1	1	√	√	√		HP-80186EB-PCC5-PAS[1], Qty:3 [2]
		PQFP	Anly Prb	√	√				ET		3/6	1	1	1	√	√	√	√	1	1	√	√	√		HP-80186EB-PQFP-PAS-AC[1],Qty:3 [2]
80386EX	25	132-PQFP	Anly Prb	√	√	√		√	E2454A		4/6	1	1	1	√	√	√	√	1	1	√	√	√		
Intel 80960X																									
80960CA	All	PGA	Anly Prb	√					Corelis		-/5	2	1	2	√	√	√		1	2	√	√			UI-960CA[1],Qty:5 [2]
80960H-Series	40	PGA	Anly Prb	√	√	√		√	E2473A		6/7	2	1	2	√	√	√		1	2	√	√			
80960J-Series	33	PGA	Anly Prb	√	√	√		√	E2464A		5/6	2	1	2	√	√	√		1	2	√	√			Soldered 132-pin PQFP requires
		PQFP	Adapter						E5337A																E2464A and E5337A.
80960KA/KB/MC	25	PGA	Anly Prb	√					Corelis		-/4	1	1	1	√	√	√	√	1	1	√	√	√		UI-960KA/KB/MC[1],Qty:4 [2]
80960KA/KB/MC	25	PGA	Anly Prb		√				Corelis		5/6	2	1	2	√	√	√		1	2	√	√			PI-960KA/KB/MC[1],Qty:5 [2]
									Resale																CRL-60018 [3],Qty:5[2]
80960RD,RP	33	BGA	Anly Prb	√	√	√		√	E2484A		5/6	2	1	2	√	√	√		1	2	√	√			Requires P2P connector on
																									target.
80960SA,SB	All	PLCC	Anly Prb	√	√				ET		4/4	1	1	1	√	√	√	√	1	1	√	√	√		HP-80960SA/SB-PCC5-PAS[1],Qty:4[2]
Intel Other																									
8080	All	—	IA		√				Factory		2/-								1						
8085	12	DIP	Anly Prb		√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-8085-DIP40-PAS[1], Qty:2[2]

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support														Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Intel Other continued																									
8031/51	16	DIP	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-8031/51-DIP-PAS[1], Qty:2[2]
		PLCC	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-8031/51-PLCC-PAS-AC[1],Qty:2[2]
80860XR	50	PGA	Anly Prb	√					Corelis		-/5	2	1	2	√	√	√		1	2	√	√			UI-860XR[1],Qty:5[2]
SA-110	67	TQFP	Anly Prb	√	√				Corelis		5/6	2	1	2	√	√	√		1	2	√	√			PI-SA110[1], Qty:5 [2]
(StrongARM)									Resale																Agilent: CRL-60064[3],Qty:5 [2]
LSI Logic																									
LR33000/33050	All	PGA	Anly Prb	√	√				Corelis		5/8	2	1	2	√	√	√		1	2	√	√			PI-LR33000[1],Qty:5 [2]
LR33020	All	PGA	Anly Prb	√	√				Corelis		7/11	2	2	2	√	√			2	2	√				PI-LR33020 [1],Qty:7 [2]
LR333X0	All	PQFP	Anly Prb	√	√				Corelis		5/8	2	1	2	√	√	√		1	2	√	√			PI-LR333X0[1],Qty:5[2]
MIPS - See IDT, LSI Logic, NEC, NKK, Performance, Siemens, Toshiba or QED																									
Motorola (Includes PowerPC, 68K, CPU32, Coldfire, 6830X, M-Core, DSPs, 68HCXX, 680X, and 88K)																									
Motorola Power PC																									
Motorola PowerPC 5XX Family																									
MPC505/509		160-PQFP	Anly Prb	√	√	√		√	E9585A #002		6/10	2	1	2	√	√	√		1	2	√	√			E9585A #002-Former product#E2490A E5900A#050-Former product#E3456A Inverse assembler supports trace reconstruction. The trace reconstruction tool makes use of indirect branch show cycles and reconstructs the full software trace. This allows the processor to run full-speed from internal flash or cache. Analysis Probe requires emulation module or probe to configure for address reconstruction. Analysis probe is four way rotatable. Emulation products can connect directly to BDM port via the analysis probe for the MPC 505/509. MPC555 requires a BDM port on the target. Custom probing application note for IA only analysis: 5968-2502E. Product Literature 5968-2504E
			Emul Soln	√	√	√	√	√	E9485A #002		6/10	2	1	2	√	√	√								
			Emul Prb				√		E5900A #050																
			Emul Mod				√	√	E5901A #050																
			Emul Migr				√	√	E5902A #050																
MPC555	40	IA Only,	Anly Prb	√	√	√		√	E9610A #001		6/14	2	1	2	√	√	√								
		Custom	Emul Soln	√	√	√	√	√	E9510A #001		6/14	2	1	2	√	√	√								
		Probing	Emul Prb				√		E5900A #050																
			Emul Mod				√	√	E5901A #050																
			Emul Migr				√	√	E5902A #050																
Emulation Only-	All	All	Emul Prb				√		E5900A #050																
505,509,555			Emul Mod				√	√	E5901A #050																
			Emul Migr				√	√	E5902A #050																
PowerPC 5XX Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						

Products Discontinued

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Motorola PowerPC 6XX Family																									
PowerPC 601	66	—	I A	√	√				E2449B		8/10	2	2	2	√	√			2	2	√				
PowerPC	66	IA Only,	Anly Prb	√	√	√		√	E9587A #001		8/10	2	2	2	√	√			2	2	√				E9587A #001-former product# E2449B
603,603e,603ei,		Custom	Emul Soln	√	√	√	√	√	E9487B #001		8/10	2	2	2											E9587A #002-former product# E2455B
603ev		Probing	Emul Prb				√		E5900B #060																Inverse assembler on 1670X/1660X
			Emul Mod				√	√	E5901B #060																frames supports code-flow only mode
			Emul Migr				√	√	E5902A #060																which provides inverse assembly
			Emul Migr				√	√	E5902B #060																from address and status information
PowerPC	66	240-PQFP	Anly Prb	√	√	√		√	E9587A #002		8/10	2	2	2	√	√			2	2	√				only. This mode requires a minimum
603,603e,			Emul Soln	√	√	√	√	√	E9487B #002		8/10	2	2	2											of 4 pods. Cache on trace reconstruction
603ev			Emul Prb				√		E5900B #060																makes use of processor branch trace mode
			Emul Mod				√	√	E5901B #060																and reconstructs the full software trace. This
			Emul Migr				√	√	E5902A #060																allows the processor to run full speed,
			Emul Migr				√	√	E5902B #060																uninterrupted from internal flash or cache
Emulation Only-	All	All	Emul Prb				√		E5900B #060																with cache enabled. All PowerPC 6XX
603, 603e			Emul Mod				√	√	E5901B #060																emulation products require a JTAG port
-rev1,3,4,5,603ei			Emul Migr				√	√	E5902A #060																on the target. E5902A #060 is only compatible
603ev-rev2,12			Emul Migr				√	√	E5902B #060																with E5900A #060 or E5901A #060.
																									E5902B #060 is only compatible with
																									E5900B #060 or E5901B #060.
																									Product Literature: 5966-2868E
PowerPC 603 - Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						
PowerPC 603e	66	255-BGA	Adapter						Ironwood																LA-BGA-603E-S-B-01[1], 255-pin BGA requires
			(soldered)						Electronics																Agilent E9587A #001 and
																									LA-BGA-603E-S-B-01 and
																									SF-BGA255A-B-01
PowerPC 603e	66	255-BGA	Adapter						Ironwood																LA-BGA-603E-S-B-01[1], 255-pin BGA requires
			(socketed)						Electronics																Agilent E9587A #001 and
																									LA-BGA-603E-Z-B-01 and
																									SF-BGA255A-B-01

Device Coverage			Product Information						Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				
												16715/16/17/18/19	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Motorola PowerPC 6XX Family																									
Emulation Only-	All	All	Emul Prb				√		E5900B #060																All PowerPC 6XX emulation products require a JTAG port on the target. E5902A #060 is only compatible with E5900A #060 or E5901A #060. E5902B #060 is only compatible with E5900B #060 or E5901B #060. Product Literature: 5966-2868E
604, 604e-rev2,3			Emul Mod			√	√		E5901B #060																
			Emul Migr			√	√		E5902A #060																
			Emul Migr			√	√		E5902B #060																
PowerPC 604 - Related Products			Debuggers are available from the following vendors: Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						

Products Discontinued

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/12	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Motorola PowerPC 7XX Family																									
PowerPC	All	IA Only,	Anly Prb	√	√	√		√	E9586A #001		8/10	2	2	2	√	√			2	2	√				E9586A #001-former product# E2498A
740		Custom	Emul Soln	√	√	√	√	√	E9486B #001		8/10	2	2	2											Inverse assembler on 1670X/1660X frames
		Probing	Emul Prb				√		E5900B #070																supports code flow only mode which
			Emul Mod				√	√	E5901B #070																provides inverse assembly from
			Emul Migr				√	√	E5902A #070																address and status information
			Emul Migr				√	√	E5902B #070																only. This mode requires a minimum
Emulation Only -	All	All	Emul Prb				√		E5900B #070																of 4 pods. Cache on trace reconstruction
740			Emul Mod				√	√	E5901B #070																makes use of processor branch trace
			Emul Migr				√	√	E5902A #070																mode and reconstructs the full software
			Emul Migr				√	√	E5902B #070																trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. All PowerPC 7XX emulation products require a JTAG port on the target. E5902A #070 is only compatible with E5900A #070 or E5901A #070. E5902B #070 is only compatible with E5900B #070 or E5901B #070.
																									Product Literature: 5966-2867E
PowerPC 7XX Related Products			A debugger is available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																						
PowerPC 740	66	255-BGA	Adapter (soldered)						Ironwood Electronics																LA-BGA-740-S-B-02[1], 255-pin BGA requires Agilent E9586A #001 and LA-BGA-740-S-B-02 and SF-BGA255A-B-01
	66	255-BGA	Adapter (socketed)						Ironwood Electronics																LA-BGA-740-Z-B-02[1], 255-pin BGA requires Agilent E9586A #001 and LA-BGA-740-Z-B-02 and SF-BGA255A-B-01

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** | Products Discontinued | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673
Motorola PowerPC 7XX Family continued																								
PowerPC 750	All	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9586A #001		8/10	2	2	2	√	√			2	2	√			
			Emul SoIn	√	√	√	√	√	E9486B #001		8/10	2	2	2										
			Emul Prb				√		E5900B #070															
			Emul Mod				√	√	E5901B #070															
			Emul Migr				√	√	E5902A #070															
			Emul Migr				√	√	E5902B #070															
Emulation Only - 750	All	All	Emul Prb				√		E5900B #070															
			Emul Mod				√	√	E5901B #070															
			Emul Migr				√	√	E5902A #070															
			Emul Migr				√	√	E5902B #070															
PowerPC 7XX Related Products			A debugger is available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																					
PowerPC 750	66	360-BGA	Adapter (soldered)						Ironwood Electronics															
	66	360-BGA	Adapter (socketed)						Ironwood Electronics															

Notes:
1. Directly available from the 3rd party vendor by this product #
2. Requires termination adapters (P/N 01650-63203)
3. Available from Agilent through resale program
4. Requires termination adapters (P/N E5346A)

E9586A #001-former product# E2498A
Inverse assembler on 1670X/1660X frames supports code flow only mode which provides inverse assembly from address and status information only. This mode requires a minimum of 4 pods. Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. All PowerPC 7XX emulation products require a JTAG port on the target. E5902A #070 is only compatible with E5900A #070 or E5901A #070. E5902B #070 is only compatible with E5900B #070 or E5901B #070.
Product Literature: 5966-2867E

LA-BGA-750-S-B-02[1], 360-pin BGA requires Agilent E9586A #001 and LA-BGA-750-S-B-02 and SF-BGA360A-B-01

LA-BGA-750-Z-B-02[1], 360-pin BGA requires Agilent E9586A #001 and LA-BGA-750-Z-B-02 and SF-BGA360A-B-01

Agilent Technologies Logic Analyzer Support — Products Discontinued

Device Coverage: Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Info: Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673	Notes:
Motorola PowerPC Family continued																									
MPC745/755 (Goldfinger)	All	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9586A #001		8/10	2	2	2	√	√									Inverse assembler on 1670X/1660X frames supports code flow only mode which provides inverse assembly from address and status information only. This mode requires a minimum of 4 pods. Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. All PowerPC 7XX emulation products require a JTAG port on the target.
			Emul Soln	√	√	√	√	√	E9486B #001																
			Emul Prb				√		E5900B #070																
			Emul Mod				√	√	E5901B #070																
			Emul Migr				√	√	E5902B #070																
Motorola PowerPC 7400 Family																									
MPC 7400 (Max)	All	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9613B #001		8/10	2	2	2	√	√									Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled.
			Emul Soln	√	√	√	√	√	E9513B #001																
			Emul Prb				√		E5900B #110																
			Emul Mod				√	√	E5901B #110																
			Emul Migr				√	√	E5902B #110																
Motorola PowerPC 8XX Family																									
MPC801	All	—	I A		√				Corelis Resale		6/6	2	1	2	√	√	√		1	2	√	√			IA-MPC801, Qty: 3[4] Agilent: CRL-60078[3], Qty: 3[4]
MPC823	All	—	I A		√	√			Corelis Resale		6/6	2	1	2	√	√	√		1	2	√	√			IA-MPC823, Qty: 3[4] Agilent: CRL-60071[3], Qty: 3[4]
	66	BGA	Anly Prb	√	√	√			Corelis Resale		6/11	2	1	2	√	√	√		1	2	√	√			PI-MPC823, Qty: 3[4] Agilent: CRL-60072[3], Qty: 3[4]
MPC850	All	—	I A		√	√			Corelis Resale		6/6	2	1	2	√	√	√		1	2	√	√			IA-MPC850, Qty: 3[4] Agilent: CRL-60071[3], Qty: 3[4]
	66	BGA	Anly Prb	√	√	√			Corelis Resale		6/11	2	1	2	√	√	√		1	2	√	√			PI-MPC850, Qty: 3[4] Agilent: CRL-60072[3], Qty: 3[4]

Notes:

1. Directly available from the 3rd party vendor by this product #
2. Requires termination adapters (P/N 01650-63203)
3. Available from Agilent through resale program
4. Requires termination adapters (P/N E5346A)

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued) | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673
Motorola PowerPC 8XX Family continued																								
MPC855,		IA Only,	Anly Prb	√	√	√		√	E9584B #001		6/12	2	1	2	√	√	√		1	2	√	√		
860 DP/P/T	50	Custom	Emul Soln	√	√	√	√	√	E9484B #001		6/12	2	1	2										
		Probing	Emul Prb				√		E5900B #080															
			Emul Mod				√	√	E5901B #080															
			Emul Migr				√	√	E5902A #080															
			Emul Migr				√	√	E5902B #080															
		357-BGA	Anly Prb	√	√	√		√	E9584B #002		6/12	2	1	2	√	√	√		1	2	√	√		
			Emul Soln	√	√	√	√	√	E9484B #002		6/12	2	1	2										
			Emul Prb				√		E5900B #080															
			Emul Mod				√	√	E5901B #080															
			Emul Migr				√	√	E5902A #080															
			Emul Migr				√	√	E5902B #080															
Emulation Only -	All	All	Emul Prb				√		E5900B #080															
801,821,823,850,			Emul Mod				√	√	E5901B #080															
855, 860 Families			Emul Migr				√	√	E5902A #080															
			Emul Migr				√	√	E5902B #080															
PowerPC 8XX Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																					

Notes:

1 Directly available from the 3rd party vendor by this product #

2 Requires termination adapters (P/N 01650-63203)

3 Available from Agilent through resale program

4 Requires termination adapters (P/N E5346A)

E9584B #002-former product# E2476B
Inverse assembler supports trace reconstruction. Trace reconstruction makes use of branch show cycles and reconstructs the full software trace. This allows the processor to run with cache enabled. Emulation products can connect directly to BDM port via the MPC860 analysis probe, otherwise requires BDM port on the target.
Product Literature: 5966-2866E

Former product #: E3497A
Emulation module or probe can connect directly to BDM port via the analysis probe, otherwise requires BDM port on the target.
Product Literature: 5966-2866E

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued) | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16700A/B Series with ... 16550,16710/1/2	16700A/B Series with ... 16557	16600A Series 16600	16600A Series 16601	16600A Series 16602	16600A Series 16603	16500C with ... 16550	16500C with ... 16557	1670G Series 1670	1670G Series 1671	1670G Series 1672	1670G Series 1673
Motorola PowerPC 82XX Family																								
MPC8240 (Kahlua)	100	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9611A #001		8/14	2	2	2	√	√								
			Emul Soln	√	√	√	√	√	E9511B #001		8/14	2	2	2										
			Emul Prb				√		E5900B #100															
			Emul Mod				√	√	E5901B #100															
			Emul Migr				√	√	E5902A #100															
			Emul Migr				√	√	E5902B #100															
		352-BGA	Anly Prb	√	√	√		√	E9611A #002		8/14	2	2	2	√	√								
			Emul Soln	√	√	√	√	√	E9511B #002		8/14	2	2	2										
			Emul Prb				√		E5900B #100															
			Emul Mod				√	√	E5901B #100															
			Emul Migr				√	√	E5902A #100															
			Emul Migr				√	√	E5902B #100															
MPC8260 PowerQUICC II (Voyager)	66	IA Only, Custom Probing	Anly Prb	√	√	√		√	E9603A #001		8/22	2	2	2	√	√								
			Emul Soln	√	√	√	√	√	E9503B #001		8/22	2	2	2										
			Emul Prb				√		E5900B #100															
			Emul Mod				√	√	E5901B #100															
			Emul Migr				√	√	E5902A #100															
			Emul Migr				√	√	E5902B #100															
		480-BGA	Anly Prb	√	√	√		√	E9603A #002		8/22	2	2	2	√	√								
			Emul Soln	√	√	√	√	√	E9503B #002		8/22	2	2	2										
			Emul Prb				√		E5900B #100															
			Emul Mod				√	√	E5901B #100															
			Emul Migr				√	√	E5902A #100															
			Emul Migr				√	√	E5902B #100															
PowerPC 82XX Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS, WindRiver. Contact the debugger company for detailed information.																					

Notes:

Inverse assembler also supports code-flow only mode which provides inverse assembly from address and status information only. This mode requires a minimum of 4 pods. Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. PCI support available from FuturePlus Systems Corporation. Custom probing application note for IA only analysis: 5968-4263E
E5902A #100 is only compatible with E5900A #100 or E5901A #100. E5902B #100 is only compatible with E5900B #100 or E5901B #100.
Product Literature: 5968-1981E

Cache on trace reconstruction makes use of processor branch trace mode and reconstructs the full software trace. This allows the processor to run full speed, uninterrupted from internal flash or cache with cache enabled. PCI support available from FuturePlus Systems Corp. E5902A #100 is only compatible with E5900A #100 or E5901A #100. E5902B #100 is only compatible with E5900B #100 or E5901B #100.
Product Literature: 5968-1981E

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued) | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673
Motorola 68K																								
68000/10	12.5	DIP	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68000/10-DIP-PAS[1], Qty:3[2]
		SDIP	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68000/10-SDIP-PAS[1], Qty:3[2]
		PLCC	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68000/10-PLCC-PAS[1], Qty:3[2]
		PGA	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68000/10-PGA2-PAS[1], Qty:3[2]
68000/HC000	16.7	PGA	Anly Prb	√	√			√	E2447AA		3/7	1	1	1	√	√	√	√	1	1	√	√	√	Termination adapters optional
68HC000/001	12.5	PGA	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-PGA7-QF03-T/S[1], Qty:3[2]
		PLCC	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68HC000/01-PLCC-PAS[1],Qty:3 [2]
68EC000	16.7	PLCC	Anly Prb	√	√			√	E2447AB		3/7	1	1	1	√	√	√	√	1	1	√	√	√	Termination adapters optional
68EC000	8	PLCC	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68EC000-PLCC-PAS-AC[1], Qty:3 [2]
68008	12.5	DIP	Anly Prb	√	√				ET		3/4	1	1	1	√	√	√	√	1	1	√	√	√	HP-68008-DIP-PAS[1], Qty:3[2]
68020	33	PGA	Anly Prb	√	√	√		√	E2426A		5/6	2	1	2	√	√	√		1	2	√	√		132-pin soldered PQFP requires
		PQFP	Adapter						#1CC															E2426A and #1CC.
68020	33	PQFP	Anly Prb	√	√				ET		5/6	2	1	2	√	√	√		1	2	√	√		HP-68020-PQFP-PAS-AC [1], Qty:5 [2]
68EC020	33	PGA	Anly Prb	√	√	√		√	E2426B		5/6	2	1	2	√	√	√		1	2	√	√		100-pin soldered PQFP requires
		PQFP	Adapter						#1CC															E2426B and #1CC.
68030	50	PGA	Anly Prb		√	√		√	E2406A		5/5	2	1	2	√	√	√		1	2	√	√		132-pin soldered PQFP requires
		PQFP	Adapter						#1CC															E2406A and #1CC
68030	33	PQFP	Anly Prb	√	√				ET		5/6	2	1	2	√	√	√		1	2	√	√		HP-68030-PQFP-PAS-AC-2[1], Qty:5 [2]
68EC030	50	PGA	Anly Prb		√	√		√	E2406A		5/5	2	1	2	√	√	√		1	2	√	√		
68060/68040	50	PGA	Anly Prb	√	√			√	E2459A		6/8	2	1	2	√	√	√		1	2	√	√		

Notes:

1. Directly available from the 3rd party vendor by this product #
2. Requires termination adapters (P/N 01650-63203)
3. Available from Agilent through resale program
4. Requires termination adapters (P/N E5346A)

Device Coverage			Product Information							3rd Party Vendor or Agilent Product Number		Agilent Technologies Logic Analyzer Support: Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist					16715/16/17/18/19	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Motorola CPU32 Family																										
68331/32/34/35	25	132-PQFP	Anly Prb	√	√	√		√		E9589A #002		4/12	1	1	1	√	√	√	√	1	1	√	√	√		E9589A #002- former product # E8115A
			Emul Soln	√	√	√	√	√		E9489A #002		4/12	1	1	1	√	√	√	√							E9589A #003-former product# E8116A
			Emul Prb				√			E5900A #030																E5900A #030-former product# E3458A
			Emul Mod				√	√		E5901A #030																Analysis probe requires emulation
			Emul Migr				√	√		E5902A #030																module or probe to configure for
68331/32	25	144-TQFP	Anly Prb	√	√	√		√		E9589A #003		4/12	1	1	1	√	√	√	√	1	1	√	√	√		address reconstruction. Emulation
			Emul Soln	√	√	√	√	√		E9489A #003		4/12	1	1	1	√	√	√	√							products can connect directly to BDM
			Emul Prb				√			E5900A #030																port via the analysis probe otherwise
			Emul Mod				√	√		E5901A #030																requires BDM on the target.
			Emul Migr				√	√		E5902A #030																Product Literature: 5966-3368E
Emulation Only -	All	All	Emul Prb				√			E5900A #030																
68331/CK331,			Emul Mod				√	√		E5901A #030																
68332/68334,			Emul Migr				√	√		E5902A #030																
68335, LK332,																										
68331/32/34/35 Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS. Contact the debugger company for detailed information.																							
68336/76	25	160-PQFP	Anly Prb	√	√	√		√		E9596A #002		4/12	1	1	1	√	√	√	√	1	1	√	√	√		E9596A #002- former product# E8118A
			Emul Soln	√	√	√	√	√		E9496A #002		4/12	1	1	1	√	√	√	√							E5900A #030- former product# E3458A
			Emul Prb				√			E5900A #030																Analysis probe requires emulation
			Emul Mod				√	√		E5901A #030																probe or module to configure for
			Emul Migr				√	√		E5902A #030																address reconstruction. Emulation
Emulation Only -			Emul Prb				√			E5900A #030																products can connect directly to BDM
68336,68376			Emul Mod				√	√		E5901A #030																port via the analysis probe, otherwise
			Emul Migr				√	√		E5902A #030																requires BDM port on the target.
																										Product Literature: 5966-3368E
68336/76 Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS. Contact the debugger company for detailed information.																							

Products Discontinued

Notes:
1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Device Coverage | **Product Information** | **Agilent Technologies Logic Analyzer Support** (Products Discontinued) | **Notes:**

Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673
Motorola CPU32 Family continued																								
68360, 68EN360, 68MH360	33	241-PGA	Anly Prb	√	√	√		√	E9590A #002		6/12	2	1	2	√	√	√		1	2	√	√		
			Emul Soln	√	√	√	√	√	E9490A #002		6/12	2	1	2	√	√	√							
			Emul Prb				√		E5900A #030															
			Emul Mod				√	√	E5901A #030															
			Emul Migr				√	√	E5902A #030															
		240-PQFP	Anly Prb	√	√	√		√	E9590A #003		6/12	2	1	2	√	√	√		1	2	√	√		
			Emul Soln	√	√	√	√	√	E9490A #003		6/12	2	1	2	√	√	√							
			Emul Prb				√		E5900A #030															
			Emul Mod				√	√	E5901A #030															
			Emul Migr				√	√	E5902A #030															
Emulation Only - 68360, 68EN360, 68MH360	All	All	Emul Prb				√		E5900A #030															
			Emul Mod				√	√	E5901A #030															
			Emul Migr				√	√	E5902A #030															
68360 Related Products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS. Contact the debugger company for detailed information.																					

Notes:

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

E9590A #002-former product # E2448B
E9590A #003-former product # E8123A
E5900A #030-former product # E3458A
Analysis probe requires emulation probe or module to configure for address reconstruction. Emulation products can connect directly to BDM port via the analysis probe, otherwise requires BDM port on the target.
Product Literature: 5966-3368E

Device Coverage			Product Information							Agilent Technologies Logic Analyzer Support														Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number	Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product #
											16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	2 Requires termination adapters (P/N 01650-63203)
Motorola CPU32 Family continued																								3 Available from Agilent through resale program
Emulation Only -			Emul Prb				√		E5900A #030															4 Requires termination adapters (P/N E5346A)
68330,68F333, 68CK338,			Emul Mod				√	√	E5901A #030															E5900A #030-former product # E3458A
68340,68341, 68349			Emul Migr				√	√	E5902A #030															Emulation products can connect directly to BDM port via the analysis probe, otherwise requires BDM port on the target.
																								Product Literature: 5966-3368E
68330/33/38,68340/41/49 Related products			Debuggers are available from the following vendors: GHS, Microtec/Mentor, SDS. Contact the debugger company for detailed information.																					
68340	All	PGA	Anly Prb	√	√				Corelis	3/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-68340-P[1],Qty:3 [2]
									Resale															Agilent: CRL-60052[3],Qty:3 [2]
68340	20	PQFP	Anly Prb	√	√				ET	4/7	1	1	1	√	√	√	√	1	1	√	√	√		HP-68340-QFP-PAS-AC[1], Qty:4 [2]
Motorola Coldfire																								
CF5202,		100-TQFP	Anly Prb	√	√				ALD	6/6	2	1	2	√	√	√		1	2	√	√			ALD-5202[1]
CF5203									Resale															Agilent: ALO-60015[3]
Motorola 6830X																								
68302	All	PGA	Anly Prb	√	√				Corelis	3/6	1	1	1	√	√	√	√	1	1	√	√	√		PI-68302 [1],Qty:3 [2]
									Resale															Agilent: CRL-60049 [3],Qty:3[2]
		PQFP	Anly Prb	√	√				Corelis	3/6	1	1	1	√	√	√	√	1	1	√	√	√		PI-68302-Q[1],Qty:3 [2]
									Resale															Agilent: CRL-60050 [3],Qty:3[2]
68EN302	20	TQFP	Anly Prb	√	√				Corelis	3/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-68EN302[1],Qty:3[2]
									Resale															Agilent: CRL-60060 [3],Qty:3[2]
68LC302	25	PGA	Anly Prb	√	√				Corelis	3/6	1	1	1	√	√	√	√	1	1	√	√	√		PI-68LC302-P[1],Qty:3 [2]
									Resale															Agilent: CRL-60065 [3],Qty:3 [2]
		TQFP	Anly Prb	√	√				Corelis	3/6	1	1	1	√	√	√	√	1	1	√	√	√		PI-68LC302-T[1],Qty:3[2]
									Resale															Agilent: CRL-60066 [3],Qty:3[2]

Products Discontinued

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673	1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
Motorola M-Core Family																								
DFP99, EIM Interface MMC2001, MMC2003, MMC2499	All	IA Only Custom Probing	Anly Prb	√	√	√			Corelis Resale		4/4	1	1	1	√	√	√	√	1	1	√	√	√		IA-MCORE-2[1] Agilent: CRL-60089[3]
Redcap 1, Redcap 2, Wally	All	IA Only, Custom Probing	Anly Prb	√	√	√			Corelis Resale		4/4	1	1	1	√	√	√	√	1	1	√	√	√		IA-MCORE-1[1] Agilent: CRL-60088[3]
Whitecap		PGA	Anly Prb	√	√	√			Corelis		4/4	1	1	1	√	√	√	√	1	1	√	√	√		PI-Whitecap
Whitecap		PGA	Anly Prb	√	√	√			Corelis		4/4	1	1	1	√	√	√	√	1	1	√	√	√		EPI-Whitecap
Aruba, Cayman	40	IA Only Custom Probing	Anly Prb	√	√	√		√	E9612A #001		4/6	1	1	1	√	√	√	√							Custom probing application note for IA only analysis: 5968-2503E Product Literature 5968-1982E
			Emul Soln	√	√	√	√	√	E9512A #001		4/6	1	1	1	√	√	√	√							
			Emul Prb				√		E5900A #090																
			Emul Mod				√	√	E5901A #090																
			Emul Migr				√	√	E5902A #090																
Emulation Only - Aruba, Cayman, MMC2001/3, M-Core M210 Bondout	All	All	Emul Prb				√		E5900A #090																
			Emul Mod				√	√	E5901A #090																
			Emul Migr				√	√	E5902A #090																
M-Core Related Products			A debugger is available from the following vendor: SDS, GHS. Contact the debugger company for detailed information.																						
Motorola DSPs																								
56000/01	All	—	I A		√				Factory		3/-	1	1	1	√	√	√	√	1	1	√	√	√		
56116/156/166	All	—	I A		√				Corelis		5/5	2	1	2	√	√	√		1	2	√	√			IA-56116/156/166[1],Qty:5[2]
56303	80	TQFP	Anly Prb	√	√				Corelis Resale		4/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-56303 [1],Qty:4 [2] Agilent: CRL-60063 [3],Qty:4 [2]
56309	80	TQFP	Anly Prb	√	√				Corelis Resale		4/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-56303 [1],Qty:4 [2] Agilent: CRL-60063 [3],Qty:4[2]
56651/2/3/4	All	IA Only, Custom Probing	Anly Prb	√	√				Corelis Resale		4/4	1	1	1	√	√	√	√	1	1	√	√	√		IA-MCORE-1[1] Agilent: CRL-60088[3]
56690	All	IA Only, Custom Probing	Anly Prb	√	√	√			Corelis Resale		4/4	1	1	1	√	√	√	√	1	1	√	√	√		IA-MCORE-2[1] Agilent: CRL-60089[3]
56L811	All	TQFP	Anly Prb	√	√				Corelis Resale		4/5	1	1	1	√	√	√	√	1	1	√	√	√		PI-56L811 [1],Qty:4 [2] Agilent: CRL-60062 [3],Qty:4[2]

Device Coverage			Product Information							Agilent Technologies Logic Analyzer Support													Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number	Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
											16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Motorola 68HCXX																								
68HC11	8.4	48-DIP	Anly Prb	√	√				10315G	3/4	1	1	1	√	√	√	√	1	1	√	√	√		
68HC11	8.4	32-PLCC	Anly Prb	√	√				10315H	3/4	1	1	1	√	√	√	√	1	1	√	√	√		
68HC11F1	8.4	PLCC	Anly Prb	√	√				ET	3/4	1	1	1	√	√	√	√	1	1	√	√	√		HP-68HC11F1-PCC1-PAS[1], Qty:3[2]
68HC11KA2		PLCC	Anly Prb	√	√				ET	3/4	1	1	1	√	√	√	√	1	1	√	√	√		HP-68HC11KA2-PLCC-PAS[1], Qty:3[2]
68HC11K4	8	PQFP	Anly Prb	√	√				ET	2/5	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-68HC11K4-QF14-PAS-AC[1], Qty:2[2]
68HC12B32		PQFP	Anly Prb	√	√				ET	3/4	1	1	1	√	√	√	√	1	1	√	√	√		HP-68HC12B32-Q14[1], Qty:3[2]
Motorola 680X																								
6800/6802	2	DIP	Anly Prb		√				ET	2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-6800/2-DIP40-PAS[1], Qty:2[2]
6803	All	—	I A		√				Factory	2/2								1						
14680500	All	—	I A		√				Factory	2/2								1						
6809	2	DIP	Anly Prb		√				ET	2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-6809-DIP40-PAS[1], Qty:2[2]
Motorola 88K																								
88100	35	PGA	Anly Prb	√	√				Corelis	5/10	2	1	2	√	√	√		1	2	√	√			PI-88100[1], Qty:5[2]
88200	35	PGA	Anly Prb	√	√				Corelis	5/10	2	1	2	√	√	√		1	2	√	√			PI-88200[1], Qty:5[2]
88110	50	PGA	Anly Prb	√	√				Corelis	7/9	2	2	2	√	√			2	2	√				PI-88110[1], Qty:7[2]

Products Discontinued

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support															Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series					1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
National																										
NS32016	All	—	I A		√				Factory		3/3								1							
HPC16003/4/64	All	—	I A		√				Factory		3/3								1							
NEC																										
7810/11	All	—	I A		√				Factory		3/3								1							
V25	16	PLCC	Anly Prb	√	√				ET		3/5	1	1	1	√	√	√	√	1	1	√	√	√			HP-V25-PLCC-PAS[1], Qty:3[2]
V830	50	LQFP	Anly Prb						Corelis		5/6	2	1	2	√	√	√		1	2	√	√				PI-V830[1], Qty:5[2]
Vr4100	All	TQFP	Anly Prb	√	√				Corelis		6/6	2	1	2	√	√	√		1	2	√	√				PI-VR4100[1],Qty:6[2]
									Resale																	Agilent: CRL-60067[3],Qty:6[2]
Vr4111	80	—	I A	√	√	√			Corelis		6/6	2	1	2	√	√	√		1	2	√	√				IA-VR4111[1], Qty:3[4]
									Resale																	Agilent: CRL-60077[3], Qty:3[4]
Vr4200	50	PQFP	Anly Prb	√	√				Corelis		6/7	2	1	2	√	√	√		1	2	√	√				PI-VR4200[1], Qty:6[2]
Vr4300	All	PQFP	Anly Prb	√	√				Corelis		4/4	1	1	1	√	√	√	√	1	1	√	√	√			PI-Vr4300[1], Qty:4[2]
									Resale																	Agilent: CRL-60033[3], Qty:4[2]
Vr5000	All	PGA	Anly Prb	√	√				Corelis		6/9	2	1	2	√	√	√		1	2	√	√				PI-R5000 [1], Qty:6 [2]
VR5432	100	PQFP	Anly Prb	√	√	√			Corelis		6/8	2	1	2	√	√	√		1	2	√	√				PI-VR5432[1], Qty:3[4]
									Resale																	Agilent: CRL-60076[3], Qty:3[4]
VR5464	100	BGA	Anly Prb	√	√	√			Corelis		8/12	2	2	2	√	√			2	2	√					PI-VR5464[1], Qty:3[4]
									Resale																	Agilent: CRL-60075[3], Qty:3[4]

Products Discontinued

Device Coverage			Product Information							3rd Party Vendor or Agilent Product Number		Agilent Technologies Logic Analyzer Support														Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist			Min # Pods for IA / Max # Pods	16700A/B Series with ...				16600A Series				16500C with ...		1670G Series				
												16715/6/7/8/9	16550,16710/1/2	16557		16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
NKK																										
NR4645MQF	All	PQFP	Anly Prb	√	√					Corelis	4/4	1	1	1		√	√	√	√	1	1	√	√	√		PI-NR4645MQF[1], Qty:4[2]
NR4650GQF	All	PQFP	Anly Prb	√	√					Corelis	6/7	2	1	2		√	√	√		1	2	√	√			PI-NR4650GQF[1], Qty:6[2]
NR4650LQF	All	PQFP	Anly Prb	√	√					Corelis	6/7	2	1	2		√	√	√		1	2	√	√			PI-NR4650LQF[1], Qty:6[2]
NR4700LMQ	All	PQFP	Anly Prb	√	√					Corelis	6/7	2	1	2		√	√	√		1	2	√	√			PI-NR4700LMQ[1],Qty:6[2]
PACE																										
1750	40	PGA	Anly Prb		√					Lital	3/3	1	1	1						1	1	√	√	√		
Performance																										
R4000/4400PC	50	PGA	Anly Prb	√	√					Corelis	8/9	2	2	2		√	√			2	2	√				PI-R4000/4400[1]
QED																										
RM5230/31	67	PQFP	Anly Prb	√	√					Corelis	6/7	2	1	2		√	√	√		1	2	√	√			PI-5230[1],Qty:6[2]
										Resale																Agilent: CRL-60069[3],Qty:6[2]
RM5261	67	PQFP	Anly Prb	√	√					Corelis	6/11	2	1	2		√	√	√		1	2	√	√			PI-5261[1],Qty:6[2]
										Resale																Agilent: CRL-60070[3],Qty:6[2]
RM5270/71	100	BGA	Anly Prb	√	√	√				Corelis	6/12	2	1	2		√	√	√		1	2	√	√			PI-RM5271[1],Qty:3[4]
										Resale																Agilent: CRL-60074[3],Qty:3[4]
		IA Only	Anly Prb	√	√	√				Corelis	6/12	2	1	2		√	√	√		1	2	√	√			IA-RM5270/71
RM7000	100	BGA	Anly Prb	√	√	√				Corelis	6/12	2	1	2		√	√	√		1	2	√	√			PI-RM7000[1],Qty:3[4]
										Resale																Agilent: CRL-60073[3],Qty:3[4]
		IA Only	Anly Prb	√	√	√				Corelis	6/12	2	1	2		√	√	√		1	2	√	√			IA-RM7000[1]
Rockwell																										
6502	All	—	I A		√					Factory	2/2									1						
Siemens																										
R4000/4400PC	50	PGA	Anly Prb	√	√					Corelis	8/9	2	2	2		√	√			2	2	√				PI-R4000/4400[1]
80C165		PQFP	Anly Prb	√	√					ET	3/7	1	1	1		√	√	√	√	1	1	√	√	√		HP-SABC165-QF06-PAS[1], Qty:3[2]
80C166	40	PQFP	Anly Prb	√	√					ET	3/8	1	1	1		√	√	√	√	1	1	√	√	√		HP-80C166-QF06-PAS-AC[1], Qty:3[2]
80C167	—	PQFP	Anly Prb	√	√					ET	4/9	1	1	1		√	√	√	√	1	1	√	√	√		HP-SABC167-QF10-PAS, Qty:4[2]
80C515	16	PLCC	Anly Prb	√	√					ET	2/4	1	1	1		√	√	√	√	1	1	√	√	√	√	HP-80515/535-PLCC-PAS-AC[1], Qty:2[2]
80C517/537		PLCC	Anly Prb	√	√					ET	2/4	1	1	1		√	√	√	√	1	1	√	√	√	√	HP-80C517/537-PLCC-PAS[1], Qty:2[2]

Products Discontinued

Notes:
1. Directly available from the 3rd party vendor by this product #
2. Requires termination adapters (P/N 01650-63203)
3. Available from Agilent through resale program
4. Requires termination adapters (P/N E5346A)

Device Coverage			Product Information							Agilent Technologies Logic Analyzer Support														Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number	Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
											16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Texas Instruments																								
320C10/14	All	—	I A		√				Factory	2/2								1						
320C20/25	50	PGA	Anly Prb	√	√				Corelis	3/3	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C2X[1],Qty:3[2]
									Resale															Agilent: CRL-60044[3],Qty:3[2]
320C30	40	PGA	Anly Prb		√				Corelis	4/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C30-P[1]
									Resale															Agilent: CRL-60045[3]
320C31	40	PQFP	Anly Prb		√				Corelis	4/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C31-Q[1]
									Resale															Agilent: CRL-60046[3]
320C32	All	PQFP	Anly Prb	√	√				Corelis	6/6	2	1	2	√	√	√		1	2	√	√			PI-320C32-P[1],Qty:6[2]
									Resale															Agilent: CRL-60051[3],Qty:6[2]
		TQFP	Anly Prb	√	√				Corelis	6/6	2	1	2	√	√	√		1	2	√	√			PI-320C32T[1],Qty:6[2]
									Resale															Agilent: CRL-60042[3],Qty:6[2]
320C40	All	PGA	Anly Prb	√	√				Corelis	5/16	2	1	2	√	√	√		1	2	√	√			PI-320C40[1],Qty:5[2]
									Resale															Agilent: CRL-60025[3],Qty:5[2]
320C50/51/53	28.5	PQFP	Anly Prb	√	√				Corelis	3/6	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C50/51/53[1],Qty:3[2]
									Resale															Agilent: CRL-60047[3],Qty:3[2]
320C52	All	PQFP	Anly Prb	√	√				Corelis	4/4	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C52[1],Qty:4[2]
									Resale															Agilent: CRL-60043[3],Qty:4[2]
320C80	All	PGA	Anly Prb	√					Corelis	-/8	2	2	2	√	√			2	2	√				UI-320C80[1],Qty:8[2]
									Resale															Agilent: CRL-60068[3],Qty:8[2]
320C20X Family	All	—	IA	√	√	√			Corelis	3/3	1	1	1	√	√	√	√	1	1	√	√	√		IA-320C2XX[1]
									Resale															Agilent: CRL-60084[2]
320C24X Family	All	—	IA	√	√	√			Corelis	3/3	1	1	1	√	√	√	√	1	1	√	√	√		IA-320C2XX[1]
									Resale															Agilent: CRL-60084[4]
320C542/48/49	All	IA Only	Anly Prb	√	√				Corelis	4/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C542/548/549
		TQFP	Anly Prb	√	√				Corelis	4/7	1	1	1	√	√	√	√	1	1	√	√	√		PI-320C548[1],Qty:4[2]
									Resale															Agilent: CRL-60061[3],Qty:4[2]
34010	All	—	I A		√				Factory	2/2								1						
370C16	All	—	I A		√				Corelis	6/6	2	1	2	√	√	√		1	2	√	√			IA-370C16[1]
370C50	20	—	I A		√				Factory	2/2								1						
470R1X	All	TQFP	Anly Prb	√	√				Corelis	4/4	1	1	1	√	√	√	√	1	1	√	√	√		PI-R470[1],Qty:4[2]

Products Discontinued

Agilent Technologies Logic Analyzer Support — Products Discontinued

Device Coverage			Product Information																												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...				16600A Series				16500C with ...		1670G Series				
												16715/6/7/8/9	16550,16710/1/2	16557		16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Toshiba																															
R3900	All	PQFP	Anly Prb	√	√				Corelis		6/7	2	1	2		√	√	√		1	2	√	√								PI-R3900[1],Qty:6[2]
									Resale																						Agilent:CRL-60034[3],Qty:6[2]
TMPR 1940	All	All	Emul Probe				√		E5900A #800																						Analysis probe requires B3759A #800 for state analysis. For custom probing, B3759A #800 provides inverse assembly. E5903A #800 requires B3759A #800. E5903A #800 requires either emulation probe or emulation module. Emulation probe or module requires E5903A #800. The emulation products require a double row 20 pin connector on target. Refer to literature for specifications. Emulation solution does not include B4620B Source correlation tool set. Equivalent functionality is provided by B3759A #800. A debugger is also available from GHS. Product literature: 5968-2697E
			Emul Mod				√	√	E5901A #800																						
			Emul Migr				√	√	E5902A #800																						
			Trce Prt Anly					√	E5903A #800																						
TMPR3901	All	160-QFP	Anly Prb	√	√			√	E9600A #002		6		1	2		√	√	√													
			Emul Soln	√	√		√	√	E9500A #002		6		1	2		√	√	√													
			Emul Prb				√		E5900A #800																						
			Emul Mod				√	√	E5901A #800																						
			Emul Migr				√	√	E5902A #800																						
			Trce Prt Anly					√	E5903A #800																						
TMPR3903	All	208-QFP	Anly Prb	√	√			√	E9601A #002		6		1	2		√	√	√													
			Emul Soln	√	√		√	√	E9501A #002		6		1	2		√	√	√													
			Emul Prb				√		E5900A #800																						
			Emul Mod				√	√	E5901A #800																						
			Emul Migr				√	√	E5902A #800																						
			Trce Prt Anly					√	E5903A #800																						
TMPR3904	All	208-QFP	Anly Prb	√	√			√	E9602A #002		6-8		1	2		√	√	√													
			Emul Soln	√	√		√	√	E9502A #002		6-8		1	2		√	√	√													
			Emul Prb				√		E5900A #800																						
			Emul Mod				√	√	E5901A #800																						
			Emul Migr				√	√	E5902A #800																						
			Trce Prt Anly					√	E5903A #800																						
TMPR3927	All	All	Emul Probe				√		E5900A #810																						
			Emul Migr				√	√	E5902A #810																						
			Trce Prt Anly					√	E5903A #810																						
R4000/4400PC	50	PGA	Anly Prb	√	√				Corelis		8/9	2	2	2		√	√			2	2	√									PI-R4000/4400[1]

1 Directly available from the 3rd party vendor by this product #
2 Requires termination adapters (P/N 01650-63203)
3 Available from Agilent through resale program
4 Requires termination adapters (P/N E5346A)

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Xilinx LCA																									
XC4005/4006	75	156-PGA	Anly Prb	√					Corelis		-/8	2	2	2	√	√			2	2	√				LXC-4000/PG156[1],Qty:8[2]
XC4008/4010	75	191-PGA	Anly Prb	√					Corelis		-/8	2	2	2	√	√			2	2	√				LXC-4000/PG191[1],Qty:8[2]
Zilog																									
Z80	16	DIP	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-Z80-DIP-PAS[1], Qty:2[2]
Z80	16	PLCC	Anly Prb	√	√				ET		2/3	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-Z80-PLCC-PAS[1], Qty:2[2]
Z180	16	PLCC	Anly Prb	√	√				ET		2/4	1	1	1	√	√	√	√	1	1	√	√	√	√	HP-Z180-PLCC-PAS[1], Qty:2[2]
Z8001/8002	All	—	I A		√				Factory		3/3								1						
Standard Buses																									
AGP2X	133	N/A	Anly Prb	√					FuturePlus Resale		4/4	1	1	1	√	√	√	√	1	1	√	√	√		FS2220[1],Qty:2[4] Agilent: FSI-60022[3], Qty:2[4]
AGP4X	266	N/A	Anly Prb		√				FuturePlus Resale		12	3													FS2221[1] Agilent: FSI-60032[3] These cards must be configured as a contiguous set.
APIC	33	N/A	Anly Prb	√	√			√	E2467A		2-4	1	1	1	√	√	√	√	1	1	√	√	√	√	Product Literature: 5965-3000E
Compact PCI/Ext	66	N/A	Anly Prb	√	√	√			FuturePlus Resale		4-7	1	1	1	√	√	√	√	1	1	√	√	√		FS3020 [1] Refer to FuturePlus specifications Agilent: FSI-60021[3]

Products Discontinued

Consider the B4601B Serial Analysis tool set for your serial bus measurements. The serial analysis tool works with the 16600A and 16700 series logic analysis systems. The tool converts acquired serial bit streams to parallel format for easy viewing and analysis. It also allows you to process frame information to isolate the data you want to analyze. See the Application Software (pg. 15) section of this document for more details.

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support														Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Standard Buses continued																									
Direct Rambus, 184 pin RIMM	800	N/A	Anly Prb		√				FuturePlus Resale																FS2222[1] Agilent: FSI-60033[3] Requires (1) 16517A, (3) 16518A, and (1) 1670X Frame.
Direct Rambus, Gen. Purp. Probe	400	N/A	Anly Prb		√				FuturePlus Resale																FS2224[1] HP #: FSI-60035[3] Requires (1) 16517A, (3) 16518A, and (1) 1670X Frame.
Fibre Channel	1062.5	N/A	Anly Prb		√				FuturePlus Resale		4-8	1	1	1	√	√	√	√	1	1	√	√	√		FS4300[1] Refer to FuturePlus specifications Agilent: FSI-60031[3]
I^2C		N/A	Opt to ALD's RS232c Anly Prb	√	√				ALD Resale		2/2	1	1	1	√	√	√	√	1	1	√	√	√	√	ALD-232 opt I^2C[1] Requires ordering ALD's RS232c Analysis Probe and the I^2C option. Agilent: ALO-60014[3]
IBM ISA (AT)	All	N/A	Anly Prb	√	√				Corelis Resale		6/6	2	1	2	√	√	√		1	2	√	√			PI-ISA[1] Agilent: CRL-60029[3]
IBM ISA (AT)		N/A	Anly Prb	√	√				Lital		5/5	2	1	2					1	2	√	√			
IEEE 488 (HPIB)		N/A	Anly Prb	√	√				ALD Resale		1/2	1	1	1	√	√	√	√	1	1	√	√	√	√	ALD-488[1] Agilent: ALO-60010[3]
IEEE 1284		N/A	Anly Prb	√	√				ALD Resale		2/2	1	1	1	√	√	√	√	1	1	√	√	√	√	ALD-232[1] Agilent: ALO-60008[3]

Products Discontinued

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Standard Buses continued																									
JTAG 1149.1	All	N/A	Anly Prb	√	√				Corelis		1/1	1	1	1	√	√	√	√	1	1	√	√	√	√	BA-1149.1[1]
									Resale																Agilent: CRL-60027[3]
IEEE-1394	400	N/A	Anly Prb	√	√				FuturePlus		4-6	1	1	1	√	√	√	√	1	1	√	√	√		FS4200 [1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60030[3]
JTAG 1149.5	All	N/A	Anly Prb	√	√				Corelis		1/1	1	1	1	√	√	√	√	1	1	√	√	√	√	BA-1149.5[1]
PCI-64 Passive	66	N/A	Anly Prb	√	√	√			FuturePlus		4-6	1	1	1	√	√	√	√	1	1	√	√	√		FS2001[1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60005[3]
PCI/EXT-32 Passive	33	N/A	Anly Prb	√	√	√			FuturePlus		4/4	1	1	1	√	√	√	√	1	1	√	√	√		FS2000[1]
									Resale																Agilent: FSI-60006[3]
PCI/EXT-64 Passive,3.3 volts	66	N/A	Anly Prb	√	√	√			FuturePlus		4-6	1	1	1	√	√	√	√	1	1	√	√	√		FS2005[1], Qty:3[4] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60025[3], Qty:3[4]
PCI/EXT-64 Passive, 5 volts	66	N/A	Anly Prb	√	√	√			FuturePlus		4-6	1	1	1	√	√	√	√	1	1	√	√	√		FS2006[1], Qty:3[4] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60026[3], Qty:3[4]
PCI/EXT-64 Active,3.3 volts	33	N/A	Anly Prb	√	√	√			FuturePlus		4-11	1	1	1	√	√	√	√	1	1	√	√	√		FS2100[1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60016[3]
PCI/EXT-64 Active, 3.3 volts	66	N/A	Anly Prb	√	√	√			FuturePlus		4-10	1	1	1	√	√	√	√	1	1	√	√	√		FS2102[1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60027[3]
PCI/EXT-64 Active, 5 volts	33	N/A	Anly Prb	√	√	√			FuturePlus		4-11	1	1	1	√	√	√	√	1	1	√	√	√		FS2101[1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60017[3]
PCI/EXT-64 Active, 5 volts	66	N/A	Anly Prb	√	√	√			FuturePlus		4/10	1	1	1	√	√	√	√	1	1	√	√	√		FS2103[1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60028[3]
PCI Mezzanine (PMC)	33	N/A	Anly Prb	√	√	√			FuturePlus		4/4	1	1	1	√	√	√	√	1	1	√	√	√		FS3010[1]
									Resale																Agilent: FSI-60010[3]
PCI EIO	33	N/A	Anly Prb	√	√	√			FuturePlus		4/4	1	1	1	√	√	√	√	1	1	√	√	√		FS3030[1]
									Resale																Agilent: FSI-60029[3]

Device Coverage			Product Information								Agilent Technologies Logic Analyzer Support													Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number		Min # Pods for IA / Max # Pods	16700A/B Series with ...			16600A Series				16500C with ...		1670G Series				1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
												16715/6/7/8/9	16550,16710/1/2	16557	16600	16601	16602	16603	16550	16557	1670	1671	1672	1673	
Standard Buses continued																									
Cardbus	33	N/A	Anly Prb	√	√	√			FuturePlus		4/4	1	1	1	√	√	√	√	1	1	√	√	√		FS2004[1]
									Resale																Agilent: FSI-60018[3]
PCI-32/Extender	66	N/A	Anly Prb	√	√				Corelis		4/4	1	1	1	√	√	√	√	1	1	√	√	√		PI-PCI32[1]
									Resale																Agilent: CRL-60030[3]
PCI-32E/ Hot-Swap Extender	66	N/A	Anly Prb	√	√				Corelis		6/6	2	1	2	√	√	√		1	2	√	√			PI-PCI32/E[1]
PCI-64/Extender	66	N/A	Anly Prb	√	√				Corelis		6/6	2	1	2	√	√	√		1	2	√	√			PI-PCI64[1]
									Resale																Agilent: CRL-60031[3]
PCMCIA		N/A	Anly Prb	√					Mobile		-/4	1	1	1	√	√	√	√	1	1	√	√	√		
PCI-X/EXT-64 Passive	133	N/A	Anly Prb						FuturePlus		6/6	2	1	2	√	√	√		1	2	√	√			FS2007[1]
									Resale																Agilent: FSI-60043[3]
PCI-X Passive SW License	133	N/A	IA						FuturePlus		6/6	2	1	2	√	√	√		1	2	√	√			FS1104[1]
									Resale																Agilent: FSI-60045[3]
PCI-X LA Adapter for E2929A	133	N/A	Adapter						FuturePlus		6/8														FS2104[1] Requires Agilent E2929A
									Resale																Agilent: FSI-60042[3]
RS232c,RS449, IEEE1284		N/A	Anly Prb	√	√				ALD		2/2	1	1	1	√	√	√	√	1	1	√	√	√	√	ALD-232[1]
									Resale																Agilent: ALO-60008 [3]
SCSI 1,2,3	20MT	N/A	Anly Prb	√	√				FuturePlus		2/4	1	1	1	√	√	√	√	1	1	√	√	√	√	FS2230[1] Refer to FuturePlus specifications
									Resale																Agilent: FSI-60024 [3]
SCSI LVD (Ultra)	40MT	N/A	Anly Prb	√	√				FuturePlus		2/4	1	1	1	√	√	√	√	1	1	√	√	√	√	FS2231[1]
									Resale																Agilent: FSI-60023 [3]
SCSI LVD	160 M	N/A	Anly Prb	√	√				FuturePlus		2/4	1	1	1	√	√	√	√	1	1	√	√	√	√	FS2232[1]
									Resale																Agilent: FSI-60041 [3]

Products Discontinued

Device Coverage			Product Information							Agilent Technologies Logic Analyzer Support												Notes:
Device Manufacturer or Architecture and Name	Max Bus Clk MHz	Pin Count, Pkg Type	Product Type	Timing	State	Enhanced IA	Emulation	Setup Assist	3rd Party Vendor or Agilent Product Number	Min # Pods for IA / Max # Pods	16700A/B Series with ... 16715/6/7/8/9	16550,16710/1/2	16557	16600A Series 16600	16601	16602	16603	16500C with ... 16550	16557	1670G Series 1670	1671	1672	1673	1 Directly available from the 3rd party vendor by this product # 2 Requires termination adapters (P/N 01650-63203) 3 Available from Agilent through resale program 4 Requires termination adapters (P/N E5346A)
Univ Serial Bus (USB)	12	N/A	Anly Prb	√	√				FuturePlus	2-3	1	1	1	√	√	√	√	1	1	√	√	√	√	FS4100 [1] Refer to FuturePlus specifications
									Resale															Agilent: FSI-60019 [3]
VME64/VXI		N/A	Anly Prb	√	√				FuturePlus	5-9	2	1	2	√	√	√		1	2	√	√			FS3100 [1] Refer to FuturePlus specifications
									Resale															Agilent: FSI-60011 [3]
168-pin DIMM probe/Ext	66	N/A	Anly Prb	√					FuturePlus	-/6	2	1	2	√	√	√		1	2	√	√			FS2320 [1], Qty:3 [4]
									Resale															Agilent: FSI-60020 [3], Qty:3 [4]
168-pin DIMM probe (PC133)	133	N/A	Anly Prb	√					FuturePlus	6/6	2	1	2	√	√	√		1	2	√	√			FS2321 [1]
									Resale															Agilent: FSI-60047[3]
72 pin SIMM probe/Ext	66	N/A	Anly Prb	√					FuturePlus	-/4	1	1	1	√	√	√	√	1	1	√	√	√		FS2310[1]
									Resale															Agilent: FSI-60012 [3]
72 pin SIMM probe, /Ext rear probing	66	N/A	Anly Prb	√					FuturePlus	-/4	1	1	1	√	√	√	√	1	1	√	√	√		FS2311[1]

Products Discontinued

Old to New Model Number Compatibility Table

Analysis Probes

Former Product Number	Description	New Analysis Probe Product Number
E2448B	Motorola 68360 analysis probe for 241-pin PGA	E9590A #002
E8123A[1]	Motorola 68360 analysis probe for 240-pin PQFP	E9590A #003
E2449B	Motorola PowerPC 603 analysis probe. Inverse Assembler (custom probing only)	E9587A #001
E2455B	Motorola PowerPC 603 analysis probe for 240-pin PQFP	E9587A #002
E2457A	Intel Pentium analysis probe for 296-pin SPGA	E9592A #002
E2476B	Motorola MPC 860/821 analysis probe for 357-pin BGA	E9584B #002
E2477A	Motorola MPC 860/821 analysis probe. Inverse assembler (custom probing only)	E9584B #001
E2490A	Motorola 505/509 analysis probe for 160-pin PQFP	E9585A #002
E2493A	ARM7TDMI analysis probe. Inverse assembler (custom probing only)	E9595A #001
E2498A	Motorola MPC 740/750 analysis probe. Inverse assembler (custom probing only)	E9586A #001
E8115A[2]	Motorola 68331/2/4/5 analysis probe for 132-pin PQFP	E9589A #002
E8116A[2]	Motorola 68331/2/4/5 analysis probe for 144-pin TQFP	E9589A #003
E8118A[2]	Motorola 68336/76 analysis probe for 160-pin PQFP	E9596A #002

1. Comprised of E2448B and the necessary adapters.

2. Comprised of E2480A and the necessary adapters.

Emulation Probes

Former Product Number	Description	New Emulation Probe Product Number
E3455A	Motorola M-Core emulation probe	E5900A #090
E3456A	Motorola MPC5XX emulation probe	E5900A #050
E3458A	Motorola 6833X4X/6X/7X emulation probe	E5900A #030
E3491B	Intel Pentium emulation probe	E5900A #500
E3493B	Intel Pentium II emulation probe	E5900A #510

Third Party Contact Information

The following companies provide products that complement Agilent Technologies logic analyzers. Agilent works closely with these companies to insure quality products, but the third party is ultimately responsible for functionality, pre-sales support, post-sales support, and warranty. For companies listed below with a "resell code", their products are also available from Agilent 's Corporate Price List. For resale products, the third party is still responsible for functionality, pre-sales support, post-sales support, and warranty.

(For additional US and International Sales Offices, check the web site of the specific Channel Partner.)

ALD *(Premier Channel Partner)*
Advanced Logical Design, Inc. **Resell Code: ALO-xxxxx**
12280 Saratoga-Sunnyvale Rd., Suite 201
Saratoga, CA 95070
Phone: 408-446-1004 Fax: 408-446-1079
email: info@ald.com
http://www.ald.com

APTIX
Aptix Corporation
2880 North First Street
San Jose, CA 95134
Phone: 408-428-6200 Fax: 408-944-0646
email: info@aptix.com
http://www.aptix.com

American Arium
American Arium
14811 Myford Rd.
Tustin, CA 92780
Phone: 714-731-1661 Fax: 714-731-6344
email: info@arium.com
http://www.arium.com

ARM
ARM Inc.
750 University Ave. Suite 150
Los Gatos, CA 95032
Phone: 408-579-2200 Fax: 408-579-1205
email: info@arm.com
http://www.arm.com

CAD-UL
CAD-UL, Inc.
6380 E. Thomas Road, #322
Scottsdale, AZ 85251
Phone: 480-945-8188 Fax: 480-945-8177
email: us.sales@cadul.com
http://www.cadul.com

CORELIS *(Premier Channel Partner)*
Corelis, Inc. **Resell Code: CRL-xxxxx**
12607 Hiddencreek Way
Cerritos, CA 90703
Phone: 562-926-6727 Fax: 562-404-6196
email: sales@corelis.com
http://www.corelis.com

DIAGONAL
DS Diagonal Systems AG
(Europe) - Tumigerstrasse 71
CH-8606 Greifensee, Switzerland
Phone: 41 1 905 60 60 Fax: 41 1 905 60 69
email: info@diagonal.ch
http://www.diagonal.com

ET
Emulation Technology, Inc
2344 Walsh Ave. Bldg F
Santa Clara, CA 95051-1301
Phone: 800-232-7837, 408-982-0660
Fax: 408-982-0664
email: andrew@emulation.com
http://www.emulation.com

Europe Technologies
Europe Technologies
Les Taissounieres-HB3
1681 Route des Dolines
06560 Sophia Antipolis
France
Phone: 33+(0)4 93 00 43 00
Fax: 33+(0) 4 93 00 43 01
email: sales@europe-technologies.com
http://www.europe-technologies.com

FuturePlus *(Premier Channel Partner)*
FuturePlus Systems Corporation **Resell Code: FSI-xxxxx**
2790 N. Academy Blvd. Suite 307
Colorado Springs, CO 80917-5329
Phone: 719-380-7321 Fax: 719-380-7362
email: sales@futureplus.com
http://www.futureplus.com

GHS
Green Hills Software, Inc.
30 West Sola St.
Santa Barbara, CA 93101
Phone: 805-965-6044 Fax: 805-965-6343
email: sales@ghs.com
http://www.ghs.com

Ironwood
Ironwood Electronics, Inc.
990 Lone Oak Rd., Suite 120
Eagan, MN 55121
Phone: 800-404-0204, 651-452-8100
Fax: 651-452-8400
email: info@ironwoodelectronics.com
http://www.ironwoodelectronics.com

JME
J M Engineering
3502 E. Boulder St.
Colorado Springs, CO 80909
Phone: 800-982-6355, 719-591-1119
Fax: 719-637-1777
email: info@jmecorp.com
http://www.jmecorp.com

LITAL
Lital Electronics, Inc
3002 Dow Ave., #518
Tustin, CA 92780
Phone: 714-731-8123 Fax: 714-731-8170
email: ariel_k@lital.com
http://www.lital.com

Mobile
Mobile Media Research
39675 Cedar Boulevard, Suite 295A
Newark, CA 94560
Phone: 800-799-6674, 510-657-4891,
Fax: 510-657-4892
email: sales@mobmedres.com
http://www.mobmedres.com

Microtec/Mentor
Mentor Graphics
Embedded Software Division
1001 Ridder Park Drive
San Jose, CA 95131
Phone: 800-547-3000, 408-436-1500
Fax: 408-436-1501
email: sales@mentor.com
http://www.mentor.com/embedded

POMONA
Pomona Electronics
1500 East Ninth Street
Pomona, CA 91766-3835
Phone: 909-469-2900 Fax: 909-629-3317
http://www.pomonaelectronics.com

Diab-SDS
Diab-SDS
323 Vintage Park Drive
Foster City, CA 94404 USA
Phone: 630-724-2520
http://www.diabsds.com

Skyline
Skyline Electronics, Inc.
2845 Delta Drive
Colorado Springs, CO 80910-1012
Phone: 719-390-4200
Fax: 719-390-9425

SynaptiCAD, Inc.
520 Prices Fork Road #C4
Blacksburg, VA 24060
Phone: 800-804-7073, 540-953-3390
Fax: 540-953-3078
email: sales@syncad.com
http://www.syncad.com

WindRiver
WindRiver Systems
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Fax: 510-749-2010
email: inquiries@wrs.com
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(fax) (81) 426 56 7840

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(fax) (305) 267 4286

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(tel) 1 800 629 485
(fax) (61 3) 9272 0749

New Zealand:
(tel) 0 800 738 378
(fax) 64 4 495 8950

Asia Pacific:
(tel) (852) 3197 7777
(fax) (852) 2506 9284

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