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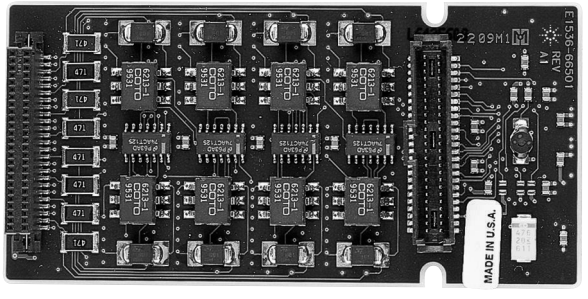
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Find the *Keysight / Agilent E1536A* at our website: ***Click HERE***

Agilent E1536A
8-Bit Isolated Digital I/O SCP
Data Sheet

- **Use with Agilent E1415A and E1419A**
- **8 TTL input/output lines isolated to 56 Vdc**
- **Programmable threshold levels of 5 V, 12 V, 24 V, or 48 V**
- **Programmable debounce timer**



Agilent E1536A

Description

The Agilent E1536A 8-Bit Isolated Digital I/O SCP provides eight bits (channels) with individually programmable threshold levels of 5 V, 12 V, 24 V, or 48 V. Channels are clamped at about 60 V by a "crowbar" protection circuit.

Each channel can be configured as an input port or an output port. Both inputs/outputs have programmable polarity.

The outputs are optically isolated solid state AC/DC Form A relay outputs with a 10 Ω on resistance and 200 mA carrying current capability. The inputs are optically isolated with programmable threshold levels and debounce.

Use the E1536A with the following VXI modules:

Model	Description
E1415A	Algorithmic Closed Loop Controller
E1419A	Multifunction Measurement and Control Module

Refer to the Agilent Technologies Website for recent product updates, if applicable.

Product Specifications

Output Characteristics

Maximum continuous voltage:	56 Vdc (39 Vrms)
Peak current load:	200 mA
Relay on resistance:	10 Ω
Turn on/turn off time:	3 ms
Clamping voltage:	60 V

Input Characteristics

Maximum continuous voltage:	56 Vdc (39 Vrms)
Maximum input zero:	
5 V threshold:	1.4 V
12 V threshold:	2 V
24 V threshold:	3 V
48 V threshold:	5 V
Minimum input one:	
5 V threshold:	2.1 V
12 V threshold:	7 V
24 V threshold:	13 V
48 V threshold:	25 V
Input debounce time:	150 µs — 2.4 s in binary increments

Current Requirements (Amps)

5 V max	24 V max	-24 V max
0.072	0	0

Ordering Information

Description	Product No.
8-Bit Isolated Digital I/O SCP	E1536A

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STEP Dionysos Job: 210%XXXX5293-0001 5966-2407E Comp: 04-28-00 Time: 10:39 OP: NN

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Related Literature

2000 Test System and VXI Catalog CD-ROM,
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

2000 Test System and VXI Catalog,
Agilent Pub. No. 5980-0307E (overview of VXI products)

1998 Test System and VXI Products Data Book,
Agilent Pub. No. 5966-2812E

Online

Internet access for Agilent product information, services and support
www.agilent.com/find/tmdir

VXI product information
www.agilent.com/find/vxi

Defense Electronics Applications
www.agilent.com/find/defense_ATE

Agilent Technologies VXI Channel Partners
www.agilent.com/find/vxichanpart

Agilent Technologies' HP VEE Application Website
www.agilent.com/find/vee

Agilent Technologies Data Acquisition and Control Website
www.agilent.com/find/data_acq

Agilent Technologies Instrument Driver Downloads
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