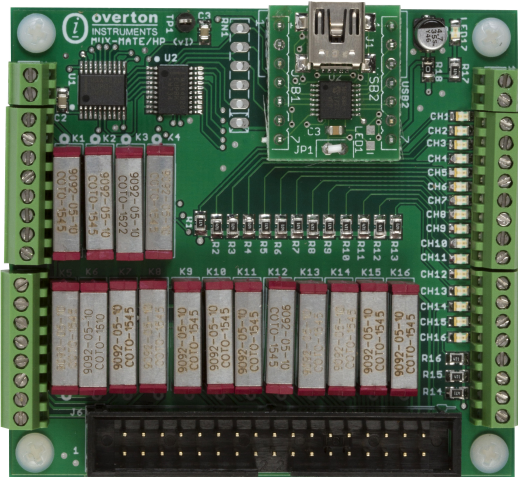


MUX-MATE/HP^(vi)

16-CH HIGH PERFORMANCE SIGNAL MULTIPLEXER



- Automatic Signal Switching Module
- 16 X 2 X 1 Mux (16 reed relays, 2-poles and 1 common output)
- High Performance, 200Vdc @ 0.5A, fast switching reed relays
- LED indicate each active channel
- Convenient screw terminals or box header for user connections
- USB Interface or Embedded Control
- Compact size, just 2.50" x 2.75"



MARCOM20180709-OI

Specifications are subject to change without notice

DESCRIPTION

The MUX-MATE/HP^(vi) is a high performance 16-channel signal multiplexer that is used to route test points from the DUT (device-under-test), to external measurement equipment (i.e., oscilloscopes, digital volt meters and frequency counters). Designed for embedded applications, the MUX-MATE/HP^(vi) can be installed directly into custom Instrument Enclosures, Mechanical Test Fixtures, or support larger ATE "rack-n-stack" systems. Many test solutions can be quickly built by connecting the MUX-MATE/HP^(vi) to a PC laptop or desktop, and then running our GUI software. No external power source is required, since power is supplied through the USB interface. Easy access to the hardware is made available through a convenient set of screw terminal connectors or box header.

There are two options for controlling the MUX-MATE/HP^(vi) (with a Host PC or embedded microcontroller). In the case of the PC, the MUX-MATE/HP^(vi) is connected by an optional USB interface and responds to a simple set of ASCII commands. Programming is easy using Visual BASIC, C/C++, LabView, LabWindows or any language that allows access to through a serial port. For embedded operation, control the MUX-MATE/HP^(vi) with the Pico-MATE (our Embedded Test Controller), or any microcontroller (i.e., ARM, AVR, PIC or STAMP).

Try combining the MUX-MATE/HP^(vi) with other OI test instruments (such as the DUT-MATE 'power sequence module', the Check-MATE 'data acquisition module' and others). Use our ETS Series products to build unlimited test solutions quickly, confidently and affordably.

SPECIFICATIONS

Relays	
Channels	16 Reed Relays
Type	SPDT (2 form A)
Switching Volts	200Vdc
Switching Current	0.5A
Max Carry Current	1.5A
Contact Rating	10W
Contact Resistance	50mV, 10mA @ 150mΩ
Relay life	500 x 10 ⁶ operations
Set / Release Time	0.75msec / 0.5msec
Input Control	
Embedded	Oi-Bus interface
USB Interface	Optional USB module
General	
Power Supply	+5VDC±10%@100mA
Operating Temp	0-50°C
Dimensions	2.50" x 2.75"

ORDER INFORMATION

Part No.	Description
ETS-4220-00	MUX-MATE/HP ^(vi) , 16-CH High Performance Signal Multiplexer Module
ETS-4221-00	MUX-MATE/HP ^(vi) , with USB Interface Module