

A versatile line of signal multiplexers, expands test coverage and reduces cost...

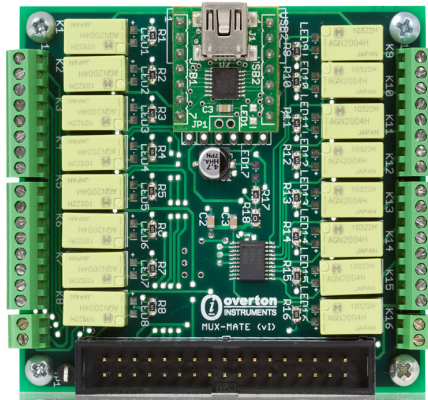
The original MUX-MATE module (shown on the right), is a 16 channel signal multiplexer from Overton Instruments. The diagram below illustrates the essential benefits for the MUX-MATE.

In the diagram, the sixteen channels are connected to various test points on the DUT (device under test), and with computer control, the inputs are automatically routed through the MUX-MATE to a single output (which is connected to an external DMM). Once a channel is selected, the DMM can be programmed to take a wide range of measurements (including Voltage, Current, Resistance, Capacitance, Continuity, Diode Check and Frequency). So this explains the versatility of the MUX-MATE, and when you combine it with a low-cost DMM, the application possibilities are enormous. Use it to test everything from Cable Assemblies, to PCB's, to Hybrid Modules, to Flex Circuits, and even Box and System level products as well.

The MUX-MATE can be easily mounted inside a Mechanical Test Fixture. The relay switching interface is consolidated within a single header connector, which makes it possible to access the Bed-Of-Nails (spring probes), through a single ribbon cable assembly.

Controlling the MUX-MATE is fast and simple. Just connect it to a Host PC via USB cable (no need for a separate power source, the MUX-MATE is powered by the USB interface). The MUX-MATE is driven by a simple set of ASCII commands. You can use any programming language that supports serial communications (i.e., LabView or LabWindows/CVI, Visual BASIC, HP-Vee, C/C++ or a slue of other stripping languages).

MUX-MATE



SIGNAL MULTIPLEXER MODULE

- 16 X 2 X 1 Mux (16 relays, 2-poles and 1 common output)
- 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"

The success of the MUX-MATE has spawned the creation of a whole new collection of signal multiplexers that offer higher performance, expanded frequency and greater channel density.

HIGH PERFORMANCE & HIGH DENSITY

The **MUX-MATE/HP**, is a 16 channel signal multiplexer that includes high performance Reed Relays that are capable of switching 200Vdc signals. To double the density, the **MUX-MATE/HPII**, provides 32 channels. The other benefit that these two modules share is fast switching speed.

HIGH FREQUENCY

The **MUX-MATE/HF & MUX-MATE/HFII**, are two signal multiplexers the support applications that require high frequency measurements (1Ghz range). The MUX-MATE/HF is organized as 1 x 8 channel mux, and the MUX-MATE/HFII is a 2 x 4 channel Mux.

RF FREQUENCY

The **MUX-MATE/RF & MUX-MATE/RFII**, are two signal multiplexers the support applications that require RF measurements (4Ghz range). The MUX-MATE/RF is organized as 1 x 8 channel mux, and the MUX-MATE/RFII is a 2 x 4 channel Mux.

