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CY/128 MULTIPLEXER VXI C-SIZE SWITCH MODULE

The CY/128 is a bidirectional reed relay multiplexer and is used in general purpose switching applications. The module is designed with flexibility in mind, and a variety of different configurations are available. This allows the users to choose the configuration which most closely matches their requirements. All CYTEC VXI Modules use both Message and Register based operation.

DETAILED DESCRIPTION

The CY/128 Multiplexer holds eight individual 8x1 two-pole multiplexers and four single pole submultiplexer relays. Pin jumpers can be installed to interconnect the individual multiplexers, allowing the following configurations to be created:

- **Eight - 8x1** Two-Pole Multiplexers
- **Four - 16x1** Two-Pole Multiplexers
- **Two - 32x1** Two-Pole Multiplexers
- **One - 64x1** Two-Pole Multiplexer
- **One - 128x1** Single Wire Multiplexer using two Submultiplexer Relays
- **Two - 64x1** Single Wire Muxes using four Submux Relays
- **One - 32x1** Four Wire Multiplexer
- **One - 16x1** Eight Wire Multiplexer
- **One - 8x1** Sixteen Wire Multiplexer
-

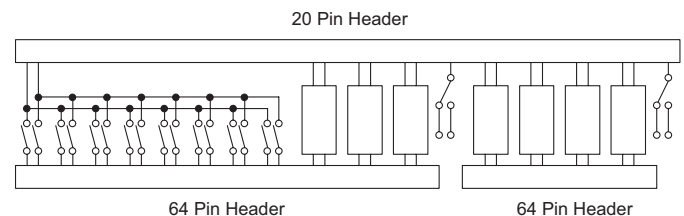
Any number of relays can be energized at one time, and the status of all relays may be read at any time.

AVAILABLE MODELS

- **CY/128-S** with Type S Standard Dry Reed Relays
- **CY/128-M** with Type M Mercury Wetted Reed Relays
- **CY/128-LT** with Low Thermal Offset Reeds

CONNECTORS

- Two 64 Pin Headers (128 Individual "Inputs")
- One 20 Pin Header (Eight Multiplexer and four Submux "Outputs")



GENERAL SPECIFICATIONS

Power	+5 Volts	less than 1.0 Amp
	+12 Volts	20 mA per energized relay
Bandpass (8x1)		DC to 80 MHz (-3dB)
Insertion Loss		less than 0.2dB at 10 MHz
Isolation/Crosstalk		100 kHz - 80dB
		1 MHz - 60dB
		10 MHz - 40dB
DC Isolation		Greater than 10 ¹⁰ ohms

REED RELAY SPECIFICATIONS

- **Type S** - Standard Dry Reed Relays.
- **Type M** - Mercury Wetted Reed Relays.
- **Type LT** - Low Thermal Reed Relays.

	Type S	Type M	Type LT
Contact Rating	10VA	50VA	10VA
Max. Switch Voltage	200V	500V	100V
Max. Switch Current	0.5A	2.0A	0.2A
Breakdown Voltage	400V	1000V	200V
Operate Time, less than	1ms	2ms	1ms
DC Isolation - Ohms	10 ¹¹	10 ¹¹	10 ¹²

WARRANTY

CYTEC Corp. warrants that all products are free from defects in workmanship and materials for a period of 5 years. Reed relays are guaranteed for 100 million operations when used within their published specifications.



Member of the VXI Plug and Play Alliance..

FOR TECHNICAL ASSISTANCE CONTACT 1-800-346-3117 or WWW.CYTEC-ATE.COM