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CY/8x8 REED RELAY MATRIX

VXI C-SIZE GENERAL PURPOSE SWITCH MODULE

The CY/8x8 is a general purpose, bidirectional reed relay matrix. It is a true non-blocking matrix, and each input can be connected to one, many or all outputs concurrently. All CYTEC VXI Modules utilize both Message and Register based operation.

DETAILED DESCRIPTION

The CY/8x8 supplies two individual 8x4 matrices. These can be interconnect externally by the user to provide one 8x8 or one 16x4 matrix. This VXI Switch Module is built with 64 Reed Relays and is available in either single or two pole versions, and with Type S Standard or Type M Mercury reeds. It is also available as a two pole matrix with Type LT Low Thermal reeds. Any number of relays can be energized concurrently, and the status of all relays may be read at any time.

AVAILABLE MODELS

- **CY/8x8-1S** - Single Pole Type S Standard Reed Relays
- **CY/8x8-1M** - Single Pole Type M Mercury Wetted Reeds
- **CY/8x8-2S** - Two Pole Type S Standard Reeds
- **CY/8x8-2M** - Two Pole Type M Mercury Wetted Reeds
- **CY/8x8-LT** - Two Pole Low Thermal Reed Relays

CONNECTORS

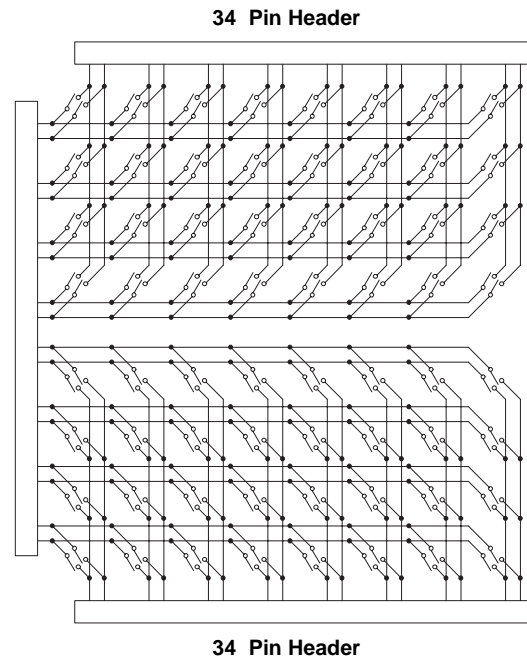
- Three 34 Pin Headers

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

* Must be operated in vertical position



GENERAL SPECIFICATIONS

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

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