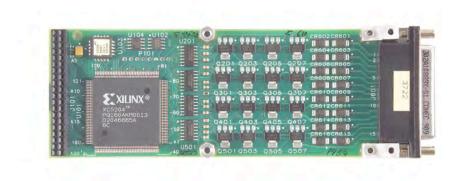


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M223 16 Bit Digital I/O M Module

M223 (formerly Agilent The E2290A) provides 16 data/actuator lines. These data lines offer TTL compatible inputs and open drain outputs up to 30 volts. Each I/O line also provides active pull-up and pulldown for actuating external devices such as relays or attenuators. The module also has the ability to generate an interrupt based upon matching of a pre-stored pattern in a Compare Register. De-bounce on inputs is available.

Specifications:

Output Characteristics:

I_{out} (High): 20mA (source)
 I_{out} (Low): 200 mA (sink)
 V_{out} (High): 2.9V (TTL); 30V (OC)

V_{out} (Low): 0.4V

Input Characteristics:

 $\begin{array}{ll} I_{in} \mbox{ (High):} & \mbox{n/a} \\ I_{in} \mbox{ (Low):} & \mbox{n/a} \\ V_{in} \mbox{ (High):} & \mbox{1.8V} \\ V_{in} \mbox{ (Low):} & \mbox{0.8V} \end{array}$

Input De-bounce Control:

Input Register: none or 3 ms
Pattern Register: Fixed at 3 ms

Bit Addressing Options:

Two 8 bit ports, 1 16 bit, Or individual bits

Connectors: 44 pin DSUB (Female)

Temperature:

Operating: 0°C to 55°C Storage: -40°C to 75°C

Power: +5V @ 0.385 A

M Module Compliance

Complies with ANSI/VITA Std 12-1996 for single-wide M Modules.

Data Transfers 16 bit
Interrupts INTC

Compatible with VXI, VME, PCI, PXI, CPCI & Ethernet Carriers

Applications

- Control of external relays
- · Monitoring of digital events

Ordering Information

Part Number 11029580-0001

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.