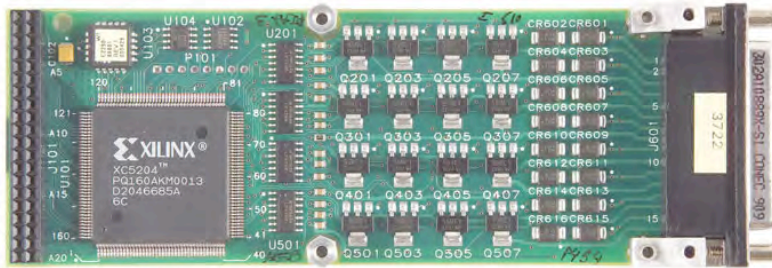




M223 16 Bit Digital I/O M Module

The M223 (formerly Agilent 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 pull-down 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:

| | |
|-------------------------|------|
| I _{in} (High): | n/a |
| I _{in} (Low): | n/a |
| V _{in} (High): | 1.8V |
| V _{in} (Low): | 0.8V |

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.