



# M395 16 Channel DAC Common Mode M Module

The M395 common mode DAC provides 16 channels of 12 bit or 16 bit conversion. Output voltage ranges may be unipolar or bipolar. The hosting system has full control by accessing dual ported memory. Each channel has its own conversion register and all channels are updated simultaneously. Output channels are optically isolated from the system.

## Specifications:

### General Characteristics:

Resolution: 12 bit or 16 bit  
 Accuracy: 0.4%  
 Output Response Time: 10 $\mu$ \_sec. (typical)  
 Accessibility: Single write to dual ported memory  
 Dual Ported Data Memory  
 Optically Isolated Analog Section  
 Calibration Data Stored Onboard

### Temperature:

Operating: 0°C to 60°C  
 Storage: -20°C to 70°C

**Power:** +5V @ 0.85 A with DC/DC  
 +5V @ 0.25 A w/o DC/DC

### Software Programmable Voltage Output Ranges:

Unipolar: 0 to 10 V  
 Bipolar: +/-10 V

**All enabled channels may be updated simultaneously after the data registers are refreshed**

**Connector:** 25 pin DSUB (Female)

### Configuration Options

12 bit w/o DC/DC n=1  
 12 with DC/DC n=2  
 16 bit w/o DC/DC n=3  
 16 bit with DC/DC n=4

## M Module Compliance

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

Data Transfers 16 bit  
 Interrupts INTA  
 IDENT Implemented

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

## Applications

- Analog signal generation
- Analog control

## Ordering Information

**Part Number** 11029650-000n  
 Where n is defined in the table at left

## Additional Information

User Manuals for C&H carriers and this module can be found on our website at [www.chtech.com](http://www.chtech.com).