



M392 16 Channel ADC Common Mode M Module

The M392 common mode ADC is very well suited for use in applications where autonomous signal conversion is required. A local DSP provides processing capabilities to scan all channels at maximum rate, perform gain/offset compensation and store results in dual-ported memory. The input range is software programmable and channels may be enabled or disabled individually.

Specifications:

General Characteristics:

Resolution: 12 bit or 16 bit
 Accuracy: 0.1%
 Conversion Rate: to 50 Ksps
 (Software programmable)
 Input Filters: 2 pole LP, 1 KHz
 Programmable Moving Avg Filter
 Dual Ported Results 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 Input Ranges:

Unipolar: 0 to 5 V
 0 to 10 V
 Bipolar: +/-5 V
 +/-10 V

All enabled channels are converted continuously and conversion data is read from shared memory by host

Connector: 25 pin DSUB (Female)

Configuration Options

12 bit w/o DC/DC	n=1
12 bit 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 supported	

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

Applications

- Autonomous Signal Conversion
- Mid-range data acquisition

Ordering Information

Part Number 11029670-000n
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.