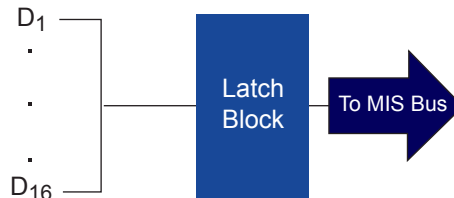


Dynetics Modular Instrumentation System

28-Channel Analog / Digital Input Module

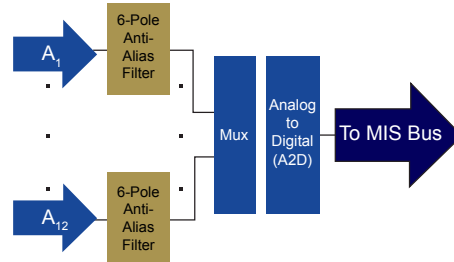
Digital / Discrete Inputs

- ◆ 16 discrete inputs
- ◆ Process individual or data bus signals
- ◆ Internal logic-block processing
- ◆ TTL input levels
- ◆ One 25-contact duallobe receptacle (radial) interconnect



Analog Inputs

- ◆ 12 differential inputs
- ◆ Factory-programmed gain and offset
- ◆ Input levels: max 50 V to min 5 mV
- ◆ Offset: +/- 25 V
- ◆ 6-pole factory-configured anti-alias filters (bessel or butterworth)
- ◆ Input impedance factory-configured (1.0 MΩ nominal)



Resolution

- ◆ 8, 10, 12, 14 bits

Interface

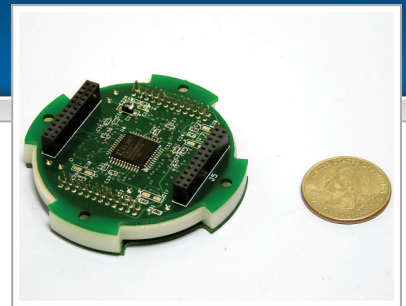
- ◆ Compatible with MIS architecture

Physical

- ◆ Diameter 2.375" min
- ◆ Height 0.59" min
- ◆ Weight 80 g min

Environmental

- ◆ Temperature: MIL-STD 810 E -40 to +85 °C
- ◆ Random vibration: MIL-STD 810 E 10 to 2000 Hz at 14-g RMS
- ◆ Sinusoidal vibration: MIL-STD 810 E 20 to 2000 Hz at 20-g Pk
- ◆ Axial acceleration: MIL-STD 810 E 150 g for 52 sec
- ◆ Shock: operationally tested 120 g for 50 msec



28-Channel Analog / Digital Input Module Highlights

Factory-configurable for a variety of digital/discrete and analog inputs to satisfy customer-specified gains and offsets. Specifically designed for MANPADS telemetry applications include:

- ◆ Monitoring discrete events
- ◆ Processing accelerometer and strain gauge inputs
- ◆ Monitoring single-ended or differential voltages
- ◆ Acquiring data from a digital data bus

This module works in concert with the Dynetics Modular Instrumentation System (MIS) PCM Encoder/Data Recorder and Power Supply Modules to provide a complete data acquisition solution.

Multiple MIS input modules can be connected to meet the requirements of applications where large numbers of input signals are necessary.

For More Information:

- ✉: telemetry@dynetics.com
- ☎: 256.713.5060
- 🌐: www.dynetics.com