MIPADC32M Analog Input Module

Specifications:

Number of Analog Inputs: 32 single-ended or 16 differential.

Resolution: 16 bits
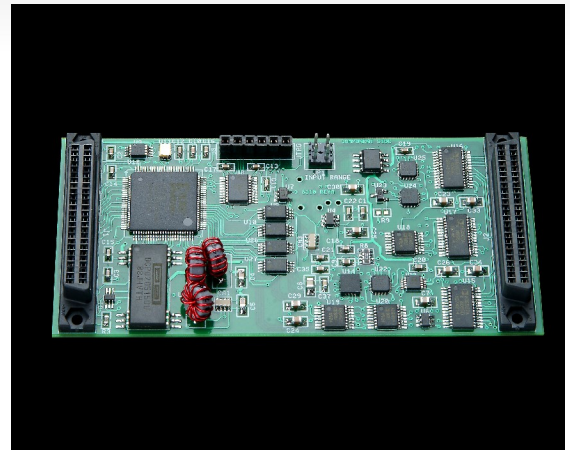
Input Full Scale Range: ±10V, ±5V, 0-10V, 0-5V.

Conversion Time: 1.2μsec per channel

Programmable Gain: 1, 2, 4, or 8

Input Impedance: >1MΏ

Meets IP specifcations per ANSI/VITA 4-1995

Features

- Onboard ±15V. No external supplies required to run ±10V full scale range
- Calibration References
- Either external or software conversion trigger
- Conformal coating is standard on all units

Power Requirements

+5 Volts @ 20mA

+12Volts @ 100mA

Environmental

Operating Temperature: -40 to 85 °C

Storage Temperature: -40 to 125 °C

The MIPADC32M is a drop-in replacement to the Acromag® IP330. The customer's existing software written for the IP330 will run the MIPADC32M. The I/O connections are exactly the same.

Upgrades include the onboard DC-DC converter elminating the need for an external ±15V supply and 128K of RAM that may be used to store data.