

20 Channel Differential Analog Multiplexer Card



Applications

- Flight test instrumentation
- Factory automation and process control
- Measurement of pre-conditioned analog signals, battery voltages, ...
- Research measurements and experiments

Features

- 20 channels per card
- Per-channel, factory set attenuation
- Per-channel, factory set primary channel gain (1 or 10)
- Programmable secondary gain (1 through 10) and offset
- Programmable constant voltage excitation
 - 2 sources per card
- Zero and voltage substitution calibration
- >1,000 MOhms input impedance (power on)
- $\pm 0.5\%$ system accuracy
- Windows software included

Description

The AMD-120B is a 20 channel differential analog multiplexer card for use in TTC's fixed volume DAU series products. The card accepts voltages from various system sources including sensors, transducers, batteries, and other pre-conditioned analog voltages. These signals are encoded into data words for transmission in the system PCM output format. Each card also provides programmable gain, offset and two (2) constant voltage excitation outputs, each of which are independently programmable to +10VDC or +5VDC. Each excitation output provides up to 160 mA and can be shared among multiple sensors/transducers.

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AMD-120B Datasheet

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