

42-Channel, Single Ended 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

- Single ended analog multiplexer card
- 42 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
- Zero calibration
- >1,000 MOhms input impedance (power on)
- $\pm 0.5\%$ system accuracy
- Microsoft Windows application software included

Description

The AMS-142B is a 42-channel single ended 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 and offset.

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AMS-142B Datasheet

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