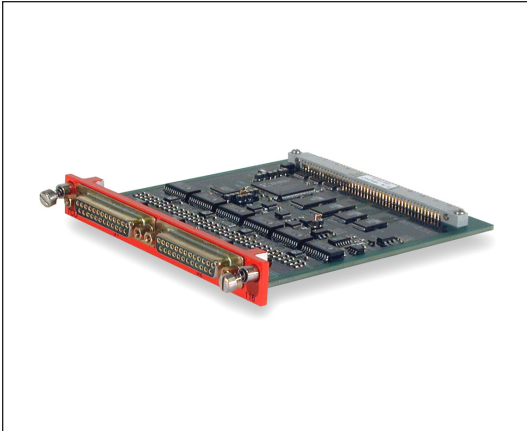


8-Channel Thermocouple Multiplexer Interface Card



Applications

- Flight Test Instrumentation
- Factory Automation and Process Control
- Interface to external PAM type Thermocouple Multiplexer units

Features

- 8-Channels per Card
- Read PAM Output of up to 8 External Thermocouple Multiplexer units
 - Addressing for up to 64 Channels per Thermocouple Multiplexer Unit
- Four Software Programmable Gains per Channel

Description

The TCM-108 is an 8-channel differential Thermocouple Multiplexer Interface card for use in TTC's EDAU-20XX or CDAU-20XX series products. The card is designed to interface to an external Thermocouple Multiplexer unit which accepts up to 6 address lines (64 channels maximum) and responds with a differential PAM (Pulse Amplitude Modulated) output. The TCM-108 card is organized as two sets of four channels each. Each four channel set shares 6 address lines used to interface with up to four Thermocouple Multiplexer units. The address counters can be programmed to reset on the Major Frame or on a selected Increment Channel command. The counters can also be programmed to increment on a selected channel. The TCM-108 accepts the PAM voltages from up to 8 Thermocouple Multiplexer units and encodes these signals into data words for transmission in the system PCM output format. Each channel provides four software programmable gains of 1, 2, 4 and 8. There are also eight secondary gains of 1, 2, 3, 4, 5, 6, 7 and 8 for a total of 32 programmable gains per channel.

Revision 05/13/2015

TCM-108 Datasheet

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 Specifications subject to change without notice.

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