

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED

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CONTRACT NO.		QUAD TRON, INC.			
APPROVALS		DATE		Micro Module PCM Encoder, Model MI_CBIM CAIS BUS INTERFACE MODULE	
DRAWN MJC	10/23/08				
CHECKED RHM	10/23/08	SIZE	FSCM NO.		
ISSUE JWM	10/23/08	A	OBPE4	57-2628	SHEET 1 OF 3

MICRO PCM ENCODER SERIES

MI_CBIM

CAIS BUS INTERFACE MODULE

The CAIS Bus Interface Module (MI_CBIM) (MI_CBIM can be of either MI_CBIM_R or MI_CBIM_C part number) allows Micro Series PCM data acquisition units to interface to the CAIS bus. The MI_CBIM Module with a MI_BASE3 Module and a MI_PWR1 Module forms a base data acquisition unit for a CAIS bus distributed PCM system. These three modules can act as a CAIS Bus controller or remote data acquisition unit. For controller use the MI_CBIM_C Module. For remote use the MI_CBIM_R Module. Mechanically other Micro Series stackable modules mount on top of the data acquisition unit. The customer can stack and interchange modules on top, for example signal conditioning multiplexers, thermocouples, solid state data recorders, and etc. to meet customer requirements. A controller data acquisition unit can interface to CAIS, RS485, and LVDS distributed PCM system buses simultaneously.

The MI_CBIM_R Module with a MI_GATEWAY Module and a MI_PWR1 Module forms a bus interface/gateway unit for a CAIS electrical bus to/from RS485 and LVDS electrical bus.

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Environmental:

Operating Temperature: -40°C to +85°C
Storage Temperature: -55°C to +125°C
Humidity: Relative humidity of 85% for two hours at 65°C.
Altitude: Unlimited
Vibration: 20g's RMS from 5 to 2000Hz in each major axis.
Acceleration: Constant acceleration of 100g's in each axis.
Shock: 100g's for 10m second in each major axis.

Mechanical:

Size: Length: 3.50 inches; Width: 1.25 inches; Height: 0.310 inches.

Engraving:

MI_CBIM_C (CONTROLLER)

MI_CBIM_R (REMOTE)

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