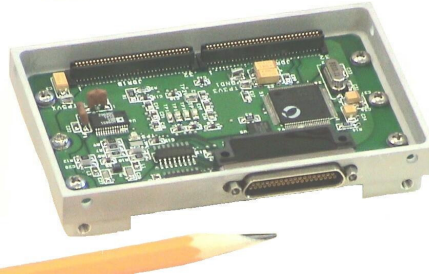




4022 APCMO1 Dual Channel Output Module



FEATURES

- Two independent output channels
- Single height module (0.40" x 2.5" x 4.0")
- Produces serial digital data and zero degree clock
- User selectable code converted outputs
- RS-422 and TTL level signals
- 3.5 Kbps to 15 Mbps (Bi-phase & DM codes)
- 3.5 kbps to 35 Mbps (NRZ codes)
- Micro D-37 pin connector interface

OVERVIEW

The APCMO1 2 channel PCM output module outputs two independent pairs of TTL and RS-422 level serial data and clock extracted from the composite multiplexed data stream in the AL4000. The APCMO1 module automatically detects the incoming data based on its channel ID and recreates the clock rate coherent with the extracted data. Data and clock outputs are presented on a 37-pin Micro D connector. These outputs provide for user selectable code conversion.

The 4022 APCMO1 is used in conjunction with the Apogee Labs' 2016 Mux9 and 4001 APCMIN1 modules

SPECIFICATIONS

GENERAL

- Single height module, 0.40" x 2.5" x 4.0"
(4 Cubic Inches)
- Weight: 2.5 oz
- Power consumption: 3.77W
- Selectable output codes include NRZ-L,M,S; Bi-phase-L,M,S; DM-M, S
- 3.5 kbps to 35 Mbps (NRZ codes)
- 3.5 kbps to 15 Mbps (Bi-phase and DM codes)

COMPLEMENTARY HARDWARE

- 2016 Mux9
- 4001 APCMIN1

PCM DATA CHANNELS

- Two
- Automatic frequency tracking

SERIAL PCM DATA & CLOCK

- <0.5% jitter
- Not gated
- Tracks Doppler shifts while maintaining bit count integrity up to 1% of bit rate shift per second

INTERFACE CONNECTOR

- Micro D-37 pin connector interface