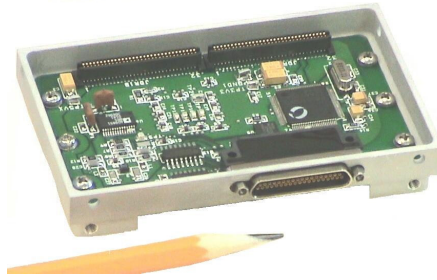




4012 ADPAK1 Depacketizer Module



FEATURES

- Serial Input
 - TTL data and 0° clock
 - RS-422 data and clock
 - PECL data and clock
- Micro-D 37-pin input connector
- External input serial path at 1 Mbps to 32 Mbps

OVERVIEW

The ADPAK1 Depacketizer Module accepts CCSDS transfer frames produced by an Apogee Labs' packetizer, reestablishes a Sample Interval (SI), and outputs the source packet data on the AL4000 Multiplexer/Demultiplexer backplane. Source packet data are captured by an Apogee Labs' data reconstruction module, which provides output data equivalent to the original input.

The 4012 ADPAK1 is used in conjunction with the Apogee Labs' 2024 Pack2 and 4003 APACK1 modules.

SPECIFICATIONS

GENERAL

- Single height module, 0.40" x 2.5" x 4.0" (4 Cubic Inches)
- Weight: 2.5 oz
- Serial input 35 Mbps
- Micro-D 37-pin input connector

SERIAL EXTERNAL INPUT

- TTL data and clock NRZ-L format
- RS-422 data and clock NRZ-L format
- PECL data and clock NRZ-L format
- Up to 35 Mbps operation
- Micro-D 37-pin input connector

COMPLEMENTARY HARDWARE

- 2024 Pack2
- 4003 APACK1

SETUP

- Input Interface: External Serial, Internal
- External Port: TTL, RS-422, PECL

STATUS

- Detects presence of an input
- Detects valid synchronization
- Counts sequence number errors
- Counts CRC errors

NOTES

- Displays up to four lines of 32 characters transmitted from the Packetizer.