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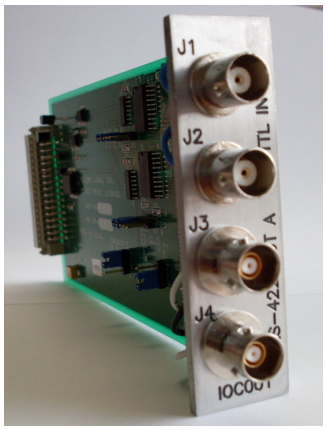
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Find the *Apogee Labs IOC001* at our website: ***Click HERE***

APOGEE LABS

IOC001
TTL TO RS-422 CONVERTER MODULE

TTL BNC (2) Inputs, RS-422 TRIAX (2) Outputs



FEATURES

- Two Independent TTL Level Inputs
- Two Independent RS-422 Level Outputs
- Inputs Illuminate Front Panel LED's
- Selectable Input Termination (50Ω and 75Ω)
- Drives Daisy Chain and Global Bus
- High Current Outputs
- Independent Polarity Selection
- Operates up to 35Mbps

OVERVIEW

The IOC001 Pluggable Interface Module (PIM) accepts two TTL level input signals and produces two RS-422 level output signals. Both output polarities may be inverted independently. The IOC001 uses two BNC input connectors, two triax output connectors, and operates up to 35Mbps. Input termination is jumper selectable for either 50Ω or 75Ω. A valid input to J1 of the IOC001 will illuminate the corresponding "A" LED on the 2073 chassis while a valid input on J2 will illuminate the corresponding "B" LED on the 2073 chassis. The IOC001 can also drive the daisy chain and global buses in the Model 2073 chassis enabling the user to create multiple copies of the output signals. The IOC001 requires one slot of the 14 available slots in the Model 2073 chassis.

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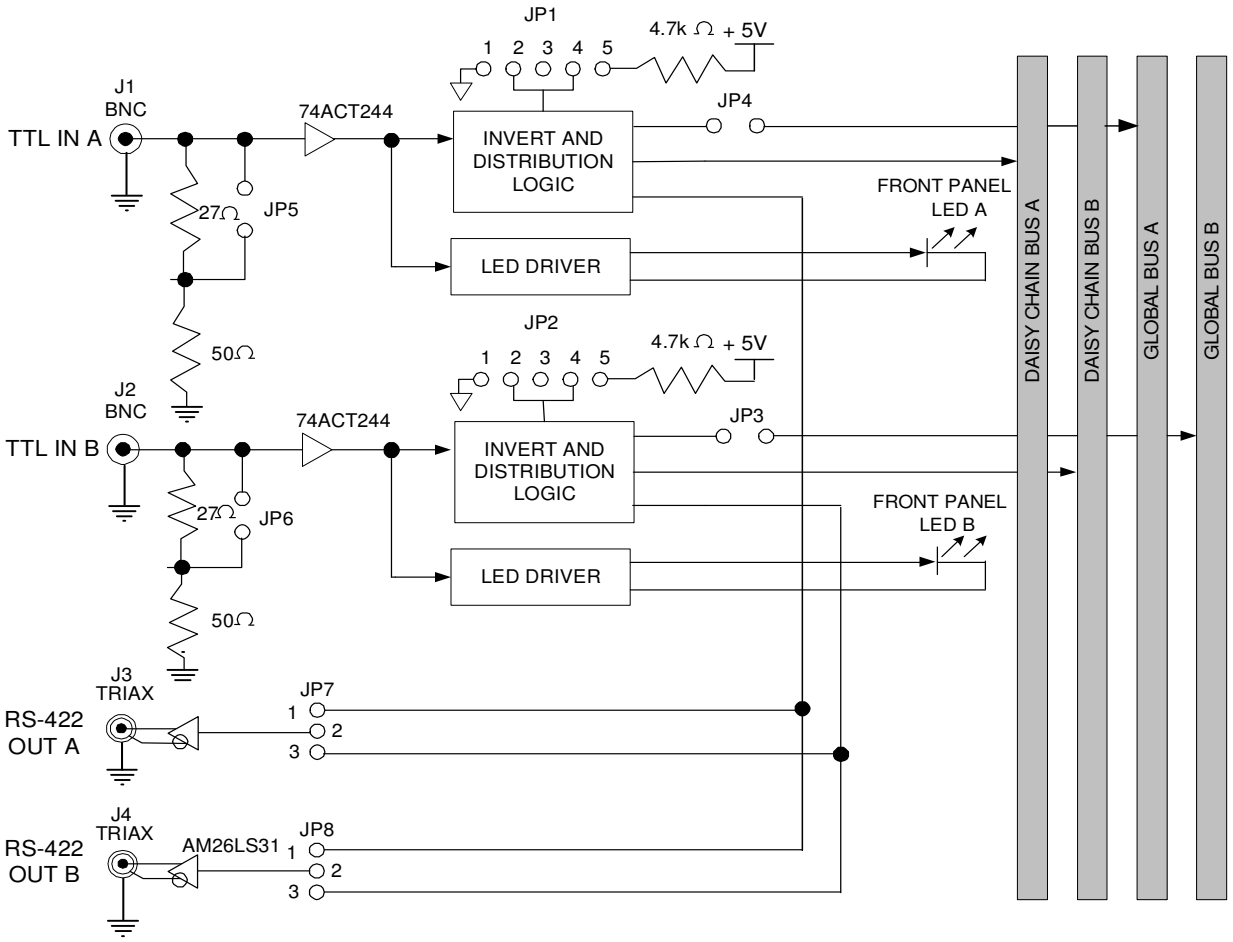


Figure 1: Model IOC001 Block Diagram

SPECIFICATIONS

GENERAL

2 Independent channels

Single Slot Module (3" x 6" x 0.9")

Model 2073 Pluggable Interface Module

INPUT

TTL level inputs

Two BNC connectors

50Ω / 75Ω selectable termination

OUTPUT

RS-422 level outputs

Two Triax connectors (Trompeter Part Number BJ770)

APPLICATION INFORMATION

The IOC001 can be used to convert any two TTL level signals to two RS-422 level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals.

The IOC001 can also be used in a distribution application where the Daisy Chain Bus or Global Bus is used to distribute multiple copies of one or both input signals.

This module can also be plugged into Apogee Models:

2907 and 2908: Data Acquisition Mux/Demux

6801: 5 Channel BERT Operation

6804: Multi Channel Clock Recovery Unit

2873: Configurable Interface Unit

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