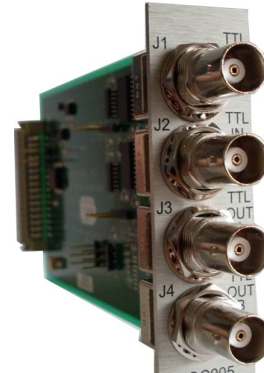# APOGEE LABS

IOC017
TTL TO Single Ended ECL CONVERTER MODULE

TTL BNC (2) Inputs, ECL BNC (2) Outputs

FEATURES

- Two Independent TTL Level Inputs
- Two Independent ECL 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 20 Mbps

OVERVIEW

The IOC017 Pluggable Interface Module (PIM) accepts two TTL level input signals and produces two single ended ECL level output signals. Both output polarities may be inverted independently. The IOC017 uses two BNC input connectors, two BNC output connectors, and operates up to 20 Mbps. Input termination is jumper selectable for either 50Ω or 75Ω. A valid input to J1 of the IOC017 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 IOC017 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 IOC017 requires one slot of the 14 available slots in the Model 2073 chassis.

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
ECL level outputs

Two BNC connectors

APPLICATION INFORMATION

The IOC017 can be used to convert any two TTL level signals to two ECL level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals.

The IOC017 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.