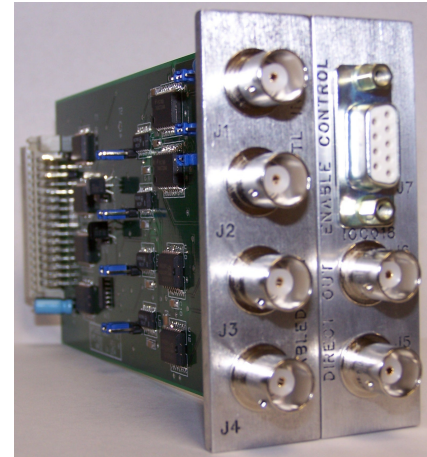




## IOC018 DATA ENABLE INTERFACE MODULE

**TTL BNC (2) Inputs, TTL BNC (4) Outputs, DE9-S Control**



### FEATURES

- Two Independent TTL Level Inputs
- Two Independent TTL Level Outputs
- Two Independent TTL Level Enable Outputs
- TTL Level Enable Control
- Inputs Illuminate Front Panel LED's
- Selectable Input Termination (50Ω, 75Ω, and 5MΩ)
- Drives Daisy Chain and Global Bus
- High Current Outputs
- Independent Polarity Selection
- Operates up to 35Mbps

### OVERVIEW

The IOC018 Pluggable Interface Module (PIM) accepts two TTL level input signals and produces two TTL level output signals that are direct copies of the input and two TTL level output signals that are activated by an enable signal. All output polarities may be inverted independently. The IOC018 uses two BNC input connectors, four BNC output connectors, a DE9-S enable connector, and operates up to 35Mbps. Input termination is jumper selectable for either 50Ω, 75Ω, or 5MΩ. A valid input to J1 of the IOC018 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. J7 allows for enable control of the J5 and J6 outputs utilizing a TTL level "hi" or "low". The IOC018 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 IOC018 requires two slots of the 14 available slots in the Model 2073 chassis.

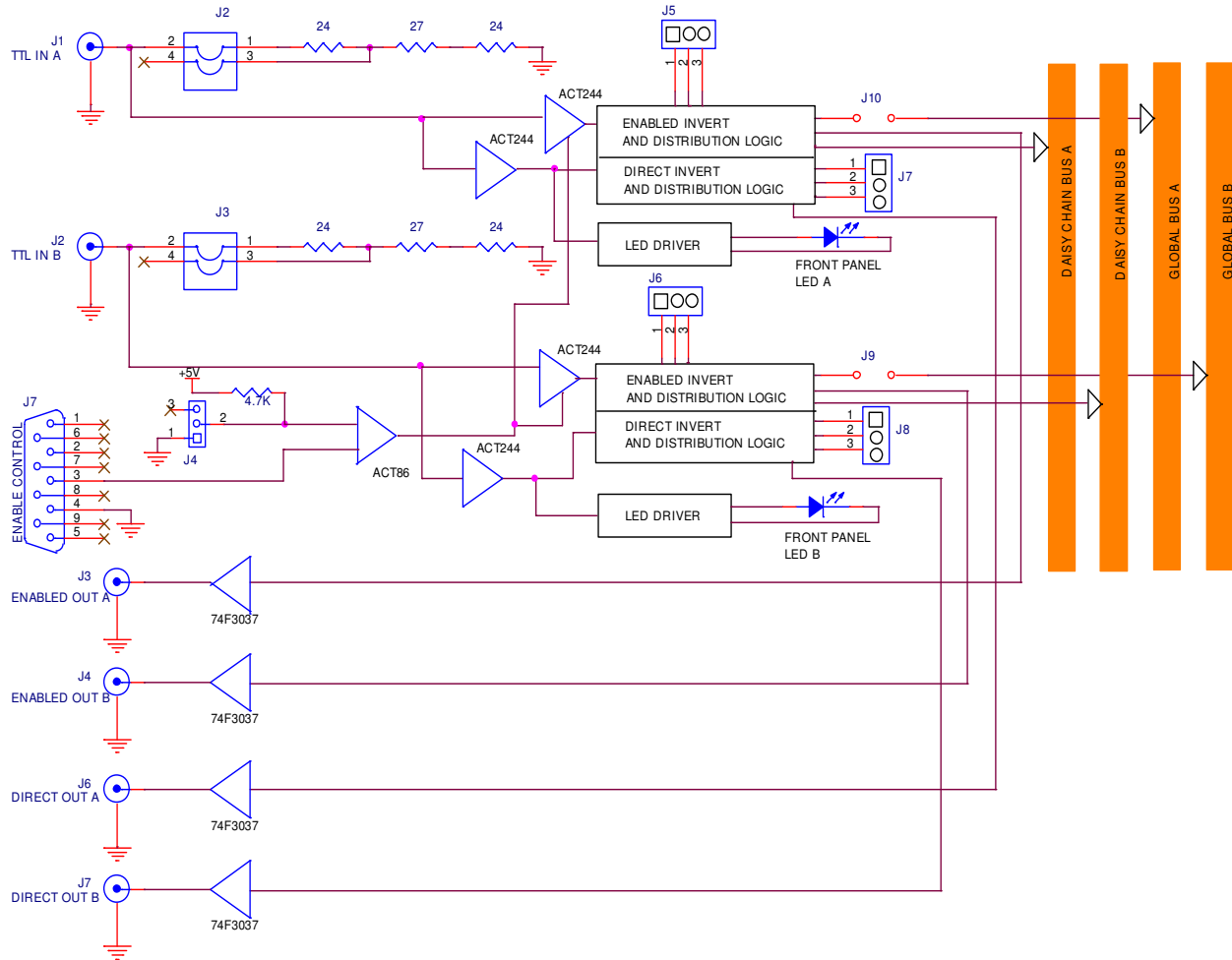


Figure 1: Model IOC018 Block Diagram

## SPECIFICATIONS

### GENERAL

2 Independent channels  
 Double Slot Module (3" x 6" x 1.8")  
 Model 2073 Pluggable Interface Module  
 Output Enable Capability

### INPUT

TTL level inputs  
 Two BNC connectors  
 50Ω / 75Ω / 5MΩ selectable termination  
 DE9-S TTL level enable

### OUTPUT

TTL level outputs  
 Four BNC connectors

## APPLICATION INFORMATION

The IOC018 can be used to convert any two TTL level signals to two TTL level signals and two TTL level enable signals. This helps join equipment with unlike interfaces by properly receiving and driving the signals.

The IOC018 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