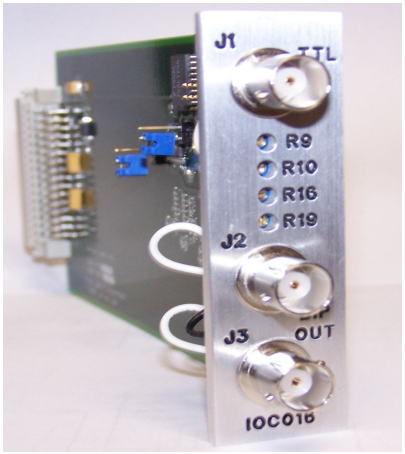
APOGEE LABS

IOC016
TTL TO BI-POLAR CONVERTER MODULE

TTL BNC (1) Inputs, BI-POLAR BNC (2) Outputs



FEATURES

- One Independent TTL Level Input
- Two Independent Bipolar Level Outputs
- Input Illuminates Front Panel LED A
- Selectable Input Termination (50Ω, 75Ω, and 10KΩ)
- Independent Output Polarity Selection
- High Current Outputs
- Independent Gain and Offset Adjustment on each Output
- Operates up to 10Mbps

OVERVIEW

The IOC016 Pluggable Interface Module (PIM) accepts one TTL level input signal and produces two Bipolar level output signals which may be inverted independently. Each output has its own independent gain and offset adjustment. The IOC016 uses one BNC input connector, two BNC output connectors, and operates up to 10Mbps. Input termination is jumper selectable for either 50Ω, 75Ω, or 10KΩ. A valid input to J1 of the IOC016 will illuminate the corresponding "A" LED on the 2073 chassis. The IOC016 requires one slot of the 14 available slots in the Model 2073 chassis.

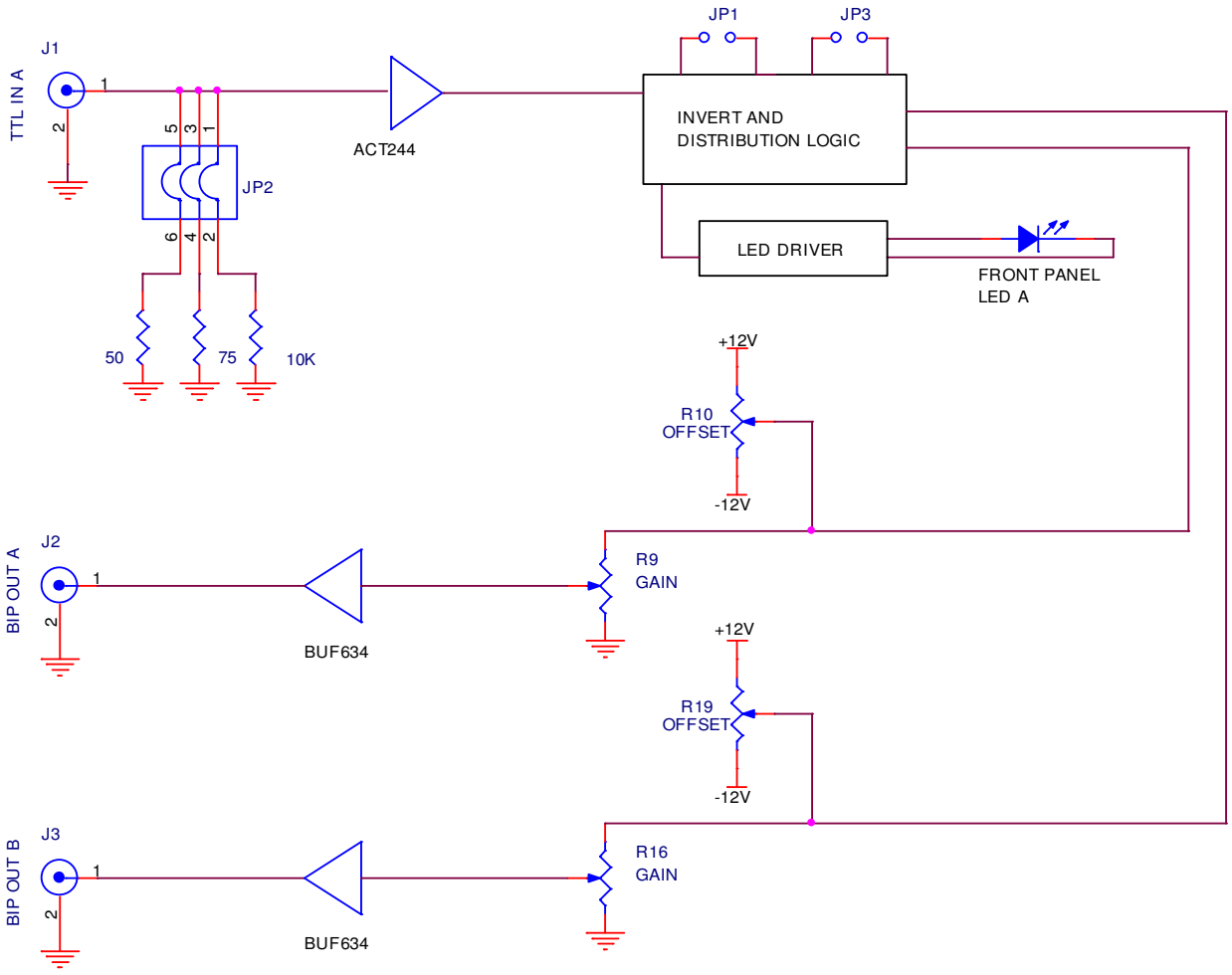


Figure 1: Model IOC016 Block Diagram

SPECIFICATIONS

GENERAL

2 Independent channels

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

Model 2073 Pluggable Interface Module

Power Consumption 1.2 Watts

INPUT

TTL level input

One BNC connectors

50Ω / 75Ω / 10KΩ selectable termination

OUTPUT

Bipolar Level Outputs with Gain and Offset Adjustment

Two BNC connectors

APPLICATION INFORMATION

The IOC016 can be used to accept one TTL level signal to produce two bipolar level signals. The IOC016 can operate up to 10Mbps.

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