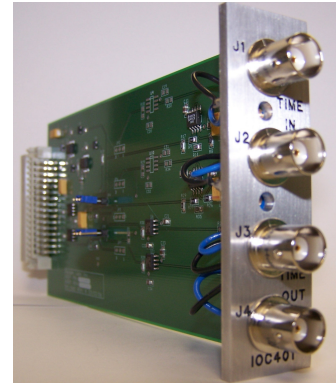




IOC401 IRIG TIME INPUT TO IRIG TIME OUTPUT MODULE



FEATURES

- Two independent analog IRIG time level inputs
- Two Independent analog IRIG time level outputs
- 1 KHz to 100 KHz bandwidth
- Independent input gain control
- Utilizes chassis front panel signal indicator LED's
- Inputs drive daisy chain bus
- High current outputs
- IRIG-A, B, D, E, G, H compatible
- NASA 36 compatible

OVERVIEW

The IOC401 Pluggable Interface Module receives and terminates two independent analog IRIG signals; buffers and drives the signals to the chassis daisy chain bus; and reproduces two analog IRIG output signals. The IOC401 uses two BNC input connectors, two BNC output connectors, and operates up to 100 KHz. IOC401 outputs can be sourced from either of the two inputs providing for a 1 in 2 out distribution. Each input has a gain adjustment located behind the panel of the card which is accessible via a trimming tool below and to the right of the input connector. The IOC401 drives the daisy chain bus of the AL2073 chassis, and when matched with an IOC402 (four output analog IRIG card), a single input can be reproduced up to 52 times in an AL2073 chassis. Front panel LED's on the 2073 chassis will illuminate when there is an active input to the IOC401 providing a quick look feature that input signal is present. The IOC401 requires one slot of the 14 available slots in the AL2073 chassis.

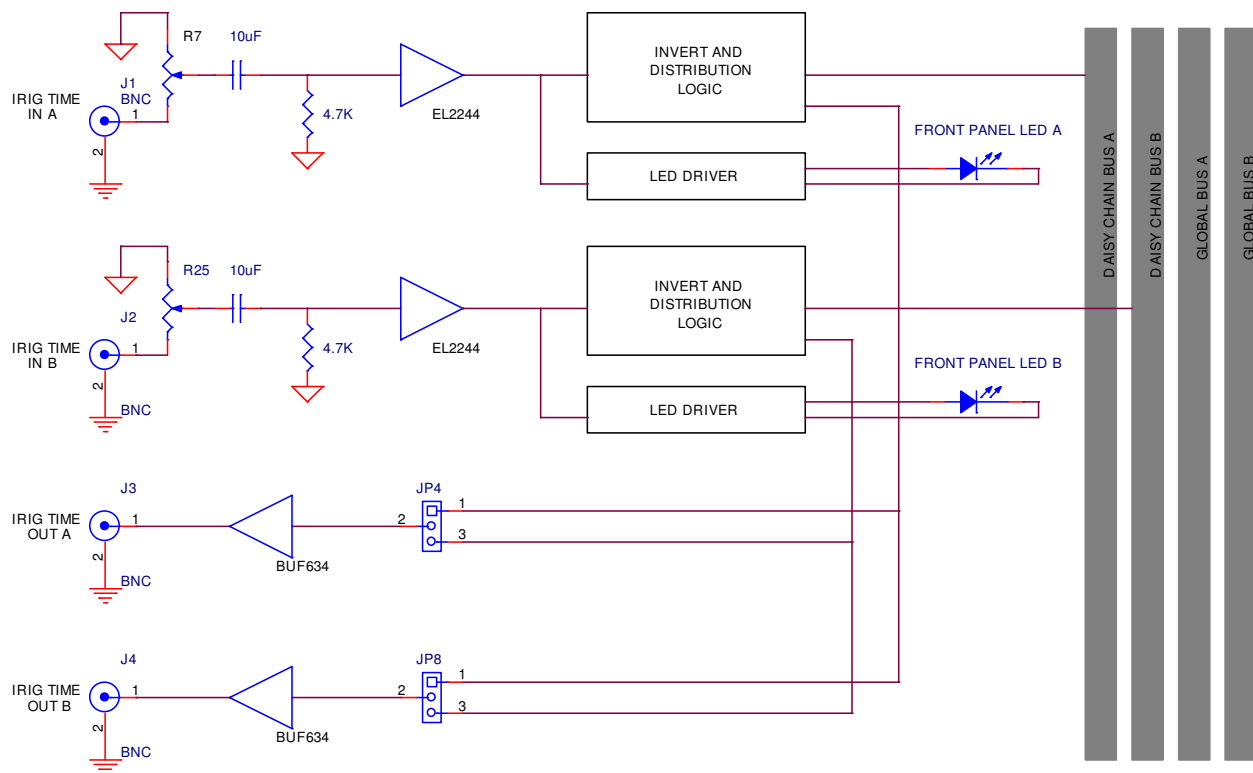


Figure 1: Model IOC401 Block Diagram

SPECIFICATIONS

GENERAL

2 Independent channels
 Single Slot Module (3" x 6" x 0.9")
 Model 2073 Pluggable Interface Module

INPUT

J1, J2 BNC connectors
 1 KHz to 100 KHz
 Gain adjustable

OUTPUT

J3, J4 BNC connectors
 Selectable between J1 and J2 inputs
 High current

APPLICATION INFORMATION

The IOC401 can be used to buffer and drive 2 independent analog signals within a 1 KHz to 100 KHz bandwidth. This helps join equipment with unlike interfaces by properly receiving and driving the signals.

The IOC401 can also be used in a distribution application where the Daisy Chain Bus is used to distribute multiple copies of one or both input signals.

This module can also be plugged into Apogee Models:

AL2907 and AL2908: Data Acquisition Mux/Demux
 AL6801: 5 Channel BERT Operation
 AL6804: Multi Channel Clock Recovery Unit
 AL2873: Configurable Interface Unit