



IOC209 RS-422 TO TTL CONVERTER MODULE

RS-422 DE9-P (2) Inputs, TTL BNC (2) Outputs



FEATURES

- Two Independent RS-422 Level Inputs
- Two Independent TTL Level Outputs
- Inputs Illuminate Front Panel LED's
- Selectable Input Termination (124Ω or 75Ω)
- Drives Daisy Chain and Global Bus
- High Current Outputs
- Independent Polarity Selection
- Operates up to 35Mbps

OVERVIEW

The IOC209 Pluggable Interface Module (PIM) accepts two RS-422 level input signals and produces two TTL level output signals. Both output polarities may be inverted independently. The IOC209 uses one DE9-P input connector, two BNC output connectors, and operates up to 35Mbps. Input termination is jumper selectable for either 124Ω or 75Ω . A valid input to J1 (1,2) of the IOC209 will illuminate the corresponding "A" LED on the 2073 chassis while a valid input on J1 (4,5) will illuminate the corresponding "B" LED on the 2073 chassis. The IOC209 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 IOC209 requires one slot of the 14 available slots in the Model 2073 chassis.

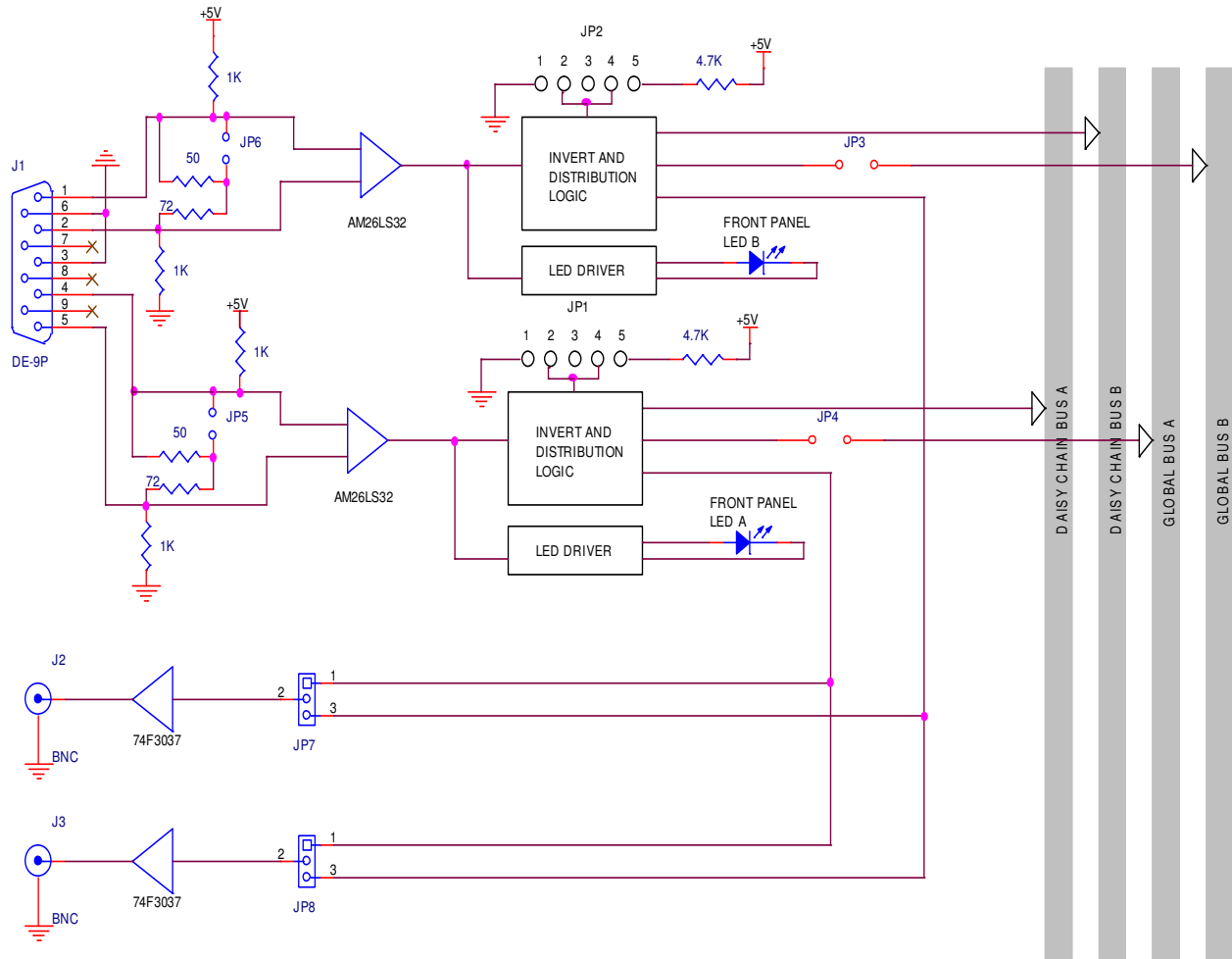


Figure 1: Model IOC209 Block Diagram

SPECIFICATIONS

GENERAL

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

INPUT

RS-422 level inputs
 DE9-P connector
 124Ω / 75Ω selectable termination

OUTPUT

TTL level outputs
 Two BNC connectors

APPLICATION INFORMATION

The IOC209 can be used to convert any two RS-422 level signals to two TTL level signals. This helps join equipment with unlike interfaces by properly receiving and driving signals.

The IOC209 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