APOGEE LABS

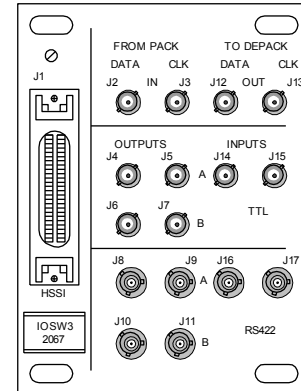**2067 IOSW3**
I/O SWITCH 3 MODULE

FEATURES

- Model 2024 PACK2 / Model 2025 DEPACK2 Compatible
- NRZ-L with Programmable Clock and Data Polarity (TTL/422)
- Buffered Outputs
- Selectable Interface Type (TTL/422/HSSI)

OVERVIEW

In the AL430x Series Multiplexing System, the IOSW3 module provides input and output signal selection functions to the Packetizer and Depacketizer modules. Electronically it connects between a Packetizer and Depacketizer TTL interfaces and three external electrical interfaces (HSSI/422/TTL). The module consists of two subsections: Packetizer composite data distribution in three electrical standards, and Depacketizer source selection with input buffering

The module allows the selection of the electrical interface between point to point copper connections. The three operating modes allow normal, line, and local loop back testing modes to simplify link testing. The Packetizer and Depacketizer clocks presence are continuously monitored and displayed for fast fault isolation. Duplicated Packetizer clock and data afford local recording of the composite data simultaneous with transmission. The data and clock polarities are independently user selectable for cabling flexibility.

SPECIFICATIONS

TTL INTERFACE
- TTL Level Inputs
- Low Impedance Output drivers, 30 ohm

HSSI INTERFACE
- PECL Electrical Interface

RS-422 INTERFACE
- EIA RS-422
- One unit load

GENERAL
- Requires 5 module slots