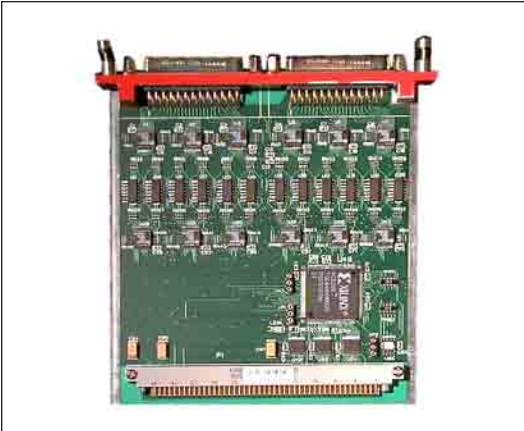


48-Channel Bi-Level Multiplexer Card



Applications

- Computers I/F via parallel digital I/O
- Monitor BCD-compatible equipment
- I/F with parallel time code
- Switch/relay status monitoring

Features

- 48 channels per card (four 12 bit words)
- Programmable input threshold
- +10V to -10V on a word basis
- Programmable floating input detect "0"/"1" on a word basis
- Programmable input trigger modes
- Sample based on PCM format
- Sample based on system's simultaneous sample pulse
- Sample based on minor frame
- Sample based on major frame
- Timestamp (delta time)
- From bit "1" edge to format sample
- Prog 1, 10, 100, or 1000 uS resolution
- Overvoltage protection $\pm 35\text{VDC}$ absolute any channel $\pm 17\text{VDC}$ differential any pin
- Compatible with WDAU-20XX operating to 20Mbps

Description

The BLS-148H is a plug-in bi-level multiplexer card for use in TTC's EDAU/ CDAU/WDAU products. Operation in the WDAU, wide-band system, can occur at bit rate speeds up to 20 Mbit/sec. The card is intended for applications that require detection of logic levels, switch status, or other "on/off" signal types. Threshold levels are user-programmable to accommodate a wide range of inputs. Bi-level data is encoded for transmission in the system PCM output format. The card has 3 data trigger/latch modes and the capability for timestamping discrete data inputs. These features result in a high performance discrete card for interfacing with a wide variety of digital subsystems.

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BLS-148H Datasheet

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