

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
- 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 bit trigger
 - Group sample based on bit trigger
 - External trigger
- Timestamp (delta time)
 - From bit "1" edge to format sample
 - Prog 1, 10, 100 or 1000 uS resolution
- Overvoltage protection
 - ± 35 VDC absolute any channel
 - ± 17 VDC differential any pin
- Microsoft Windows application software included

Description

The BLS-148 is a plug-in bi-level multiplexer card for use in TTC's EDAU-20XX and CDAU-20XX products. 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 as four (4) 12-bit data words or one (1) 47-bit word (user-programmable) 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-148 Datasheet

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