Model 2534

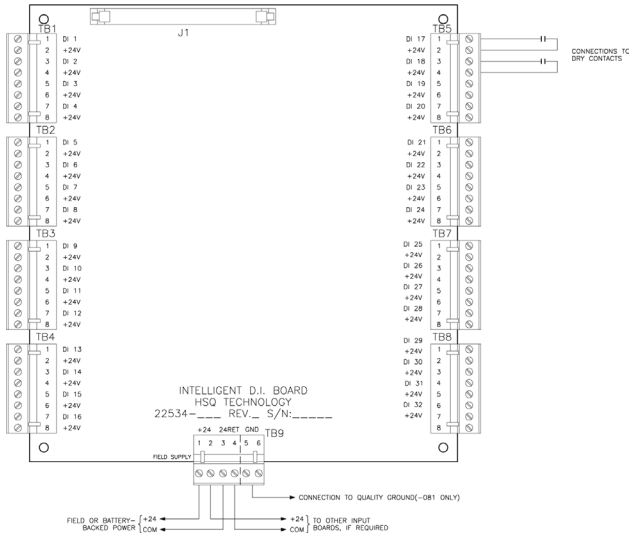
32-Channel Intelligent Digital Input Expansion Board

HSQ TECHNOLOGY

Technical Summary

Key Features

- ◇ I/O Type: 32 Intelligent Digital Inputs
- ◇ Optical Isolation Between Field and Logic Circuits
- ◇ RC Noise Filtering
- ◇ Highly Accurate SOE Recording



Model 2534 connection diagram

The HSQ Model 2534 board is designed for applications requiring extremely accurate Sequence of Event (SOE) recording. Inputs are time tagged directly by a local microprocessor on the board and are programmable to a resolution of one millisecond. It features optical isolation for 32 digital input control circuits. Each input provides RC noise filtering. LEDs indicate the current status of operations. This board is designed for use with the HSQ 25x86 Logic Processor and is addressed, read, and controlled through that unit's expansion bus via ribbon cable.

Specifications

Digital Output

- **Channels:** 32 per board with flashing LED display

Protection

- **Optical Isolation:** 2500 V_{AC} RMS between field and logic circuits

General

- **Power:** +24 V_{DC}, 10 mA per active input
  Logic: +5 V_{DC}, 180 mA, nominal (350 maximum) via expansion bus
- **Connections:** Plug-in type terminal blocks for up to 12 AWG wire

Environment

- **Operating Temperature:** 0° – 60° C (32° – 140° F)
- **Humidity:** 5 – 95% RH (non-condensing)
- **Dimensions:** 184 x 203 x 19 mm (7.25 x 8 x .75 in.)

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