

Model 2509

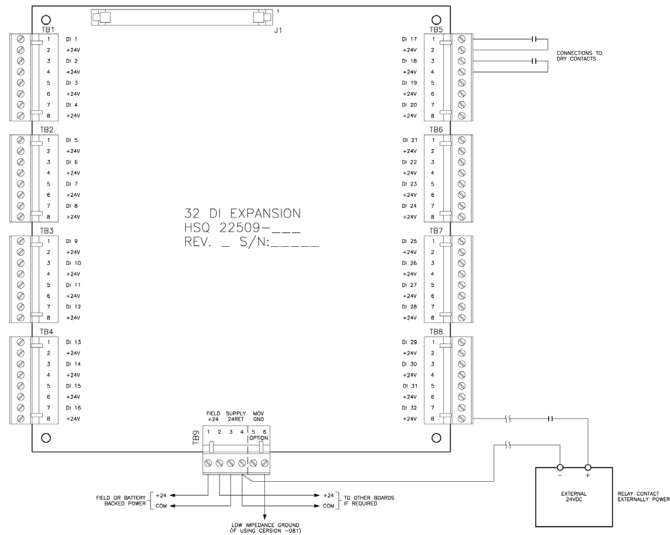
32-Channel Digital Input Expansion Board



Technical Summary

Key Features

- ◇ I/O Type: 32 Digital Input
- ◇ Optically Isolated Inputs
- ◇ RC Noise Filtering



Model 2509
connection diagram

The HSQ Model 2509 board provides 32 digital input control circuits. Each input is optically isolated and 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 and read through that unit's expansion bus via ribbon cable.

SPECIFICATIONS

Digital Output

- **Channels:** 32 per board with LED displays

Protection

- **Optical Isolation:** 1500 V_{DC} between field and logic circuits

General

- **Power:** +24 V_{DC}, 5 mA, per active input
Logic: +5 V_{DC}, 170 mA, nominal (300 maximum) via expansion bus, where the total load on the bus is less than 1 A, or via terminal block
- **Connections:** Plug-in type terminal blocks for up to 12 AWG wire

Environment

- **Operating Temperature:** 0° – 60° C (32° – 140° F)
- **Humidity:** 10 – 90% RH (non-condensing)
- **Dimensions:** 184 x 203 x 19 mm (7.25 x 8 x .75 in.)