

Model 2508

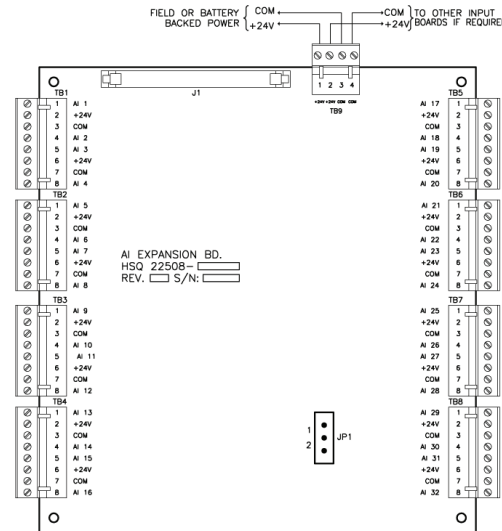
32-Channel Analog Input Expansion Board



Technical Summary

Key Features

- ◇ I/O Type: 16 Analog Inputs, 32 Channels
- ◇ 12-bit Integrating Analog to Digital Converter
- ◇ Each Input is Configurable as Single-Ended or Differential
- ◇ Silicon Diode Avalanche Surge Protection



Model 2508 connection diagram

The HSQ Model 2508 board features a 12-bit integrating analog to digital converter and 32 analog inputs. Each input can be configured as single ended or differential and is equipped with silicon avalanche diode surge protection. This board is designed for use with the HSQ 25x86 Logic Processor and is addressed and read through that unit's expansion bus.

SPECIFICATIONS

Digital Output

- **Channels:** 32 per board
- **Analog Inputs:** 16 inputs, each configurable as single-ended or differential
4 – 20 mA, 0 – 5 V, 0 – 10 V, ± 10 V 12-bit resolution

General

- **Power:** +24 V_{DC}, 355 mA (maximum) plus 20 mA per input driven from board
 ± 15 V, ± 5 V derived on board from +24 V_{DC}
LED display for +24 V, +15 V, +5 V, -5 V, -15 V
- **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 38 mm (7.25 x 8 x 1.5 in.)