Description

The SPI-620 Switch Panel Interface is a companion product to the MAI-625 VoIP Master Audio Interface that facilitates the integration of switch based control panels with LED status indicators. The SPI-620 provides 16 switch inputs that can be used for the direct selection of page zones or intercom stations, as well as 16 discrete outputs that can be used for status indication via panel mounted LEDs.

The system also allows a page call to be made to a group of individual zones, simply by pressing several zone select switches in sequence. A separate input for a call cancel switch allows all of the selected zones to be canceled with a single button press. One additional switch input has also been included for a lamp test function.

Two versions of the SPI-620 are available, with the SPI-620-1X providing open-drain LED drivers (external current limiting required), and the SPI-620-2X providing LED drivers with built in current limiting (10mA/output nominal). Both versions also includes a regulated 5V@500mA output that can be used to power the external LEDs.

The SPI-620 connects to the MAI-625's status input via a single wire pair, allowing switch and LED data to be serially transferred between the two units. The SPI-620 can be powered by an external +24 Vdc power supply, or the included AC/DC power adapter.

Features

- spring loaded terminal connections for all inputs and outputs
- provides direct access for up to 16 page zones
- provides 16 outputs for controlling LED status indicators
- powered by a 24-36 Vdc power supply (AC/DC Adapter included)
- available as an unpackaged circuit board assembly, or as a packaged unit for wall or DIN rail mounting
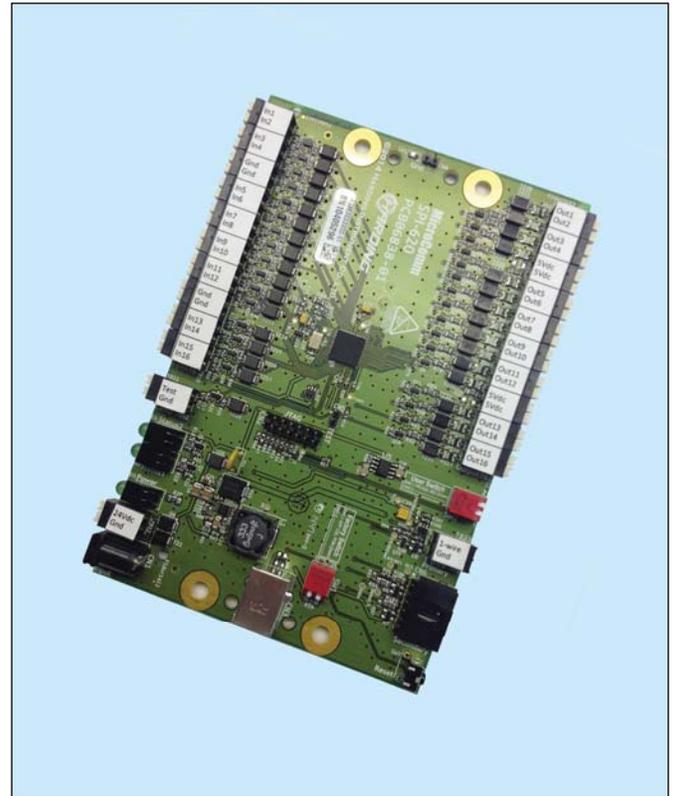
Specifications

Physical	3.5" x 4.85" pc board
	(89 x 124 mm)
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-4 to 158 °F (-20 to 70 °C)
Humidity	0 to 95 % non-condensing
Power Supply	External Power Supply
	22.6 - 39.6 VDC (2.5 W)
Field Connections	
Switch inputs	Terminal Block
LED outputs	Terminal Block
LED Drivers	
open drain	100 mA max, 30 Vdc
current limiting	10 mA nominal
Standard	FCC Part -15 Class A

Mechanical
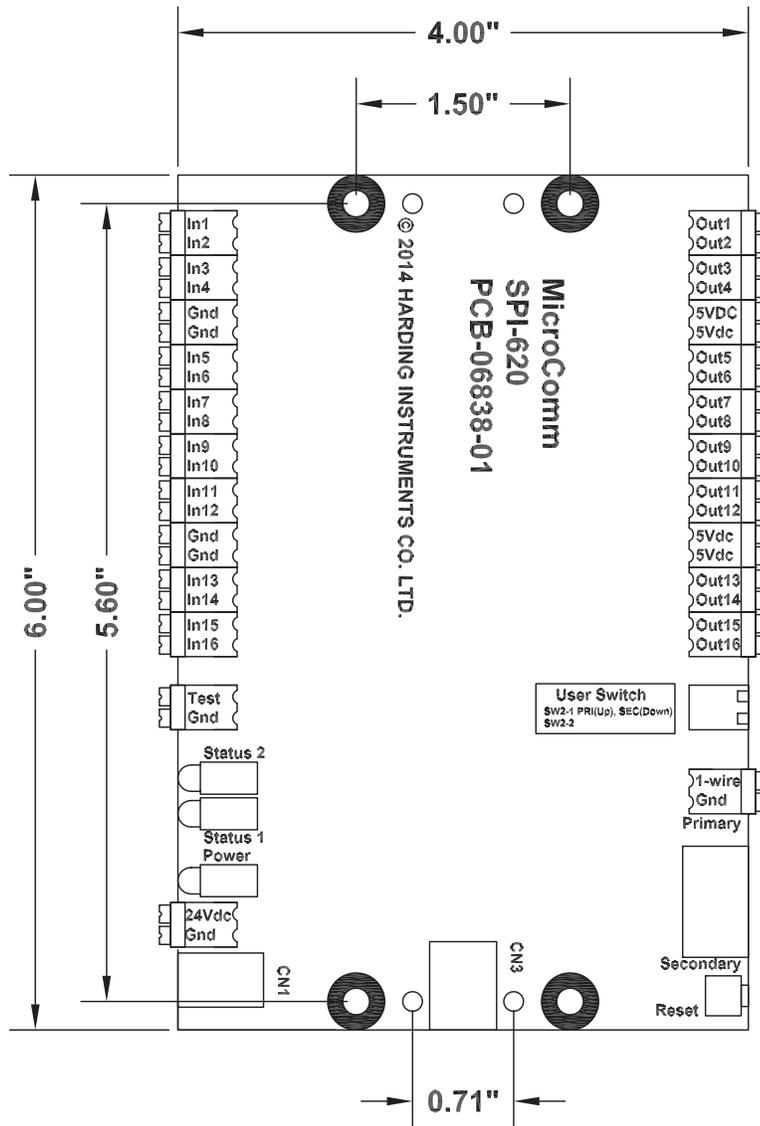
Ordering Information

Part number SPI-620-AB

- A LED Drivers
  - 1 open-drain (external current limiting)
  - 2 0pen-drain (internal current limiting)
- B Packaging
  - 1 individual pc board
  - 2 metal enclosure

Accessories

MAI-625 VoIP Master Station Interface

Wago Mounting foot (209-188)

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