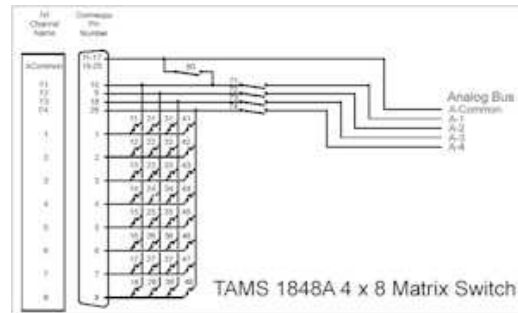




1848A USB Controlled 4 x 8 Matrix Switch

The 4 x 8 matrix allows connection of any row (1 through 8) with any column (1 through 4). The matrix consists of 32 SPST relays (labeled 11 through 18, 21 through 28, 31 through 38, and 41 through 48) forming a 4 by 8 matrix switch, where any of the inputs 1 through 8 can be connected with any of the four "Analog Bus" lines. Five additional relays allow connect/disconnect of the matrix from the Analog Bus, as well as grounding selected terminals to the Analog Common to enable single ended measurements. Large matrixes can be easily built by connecting the "Analog Bus" terminals together with short jumper cables.



[\[Enlarge\]](#)

System Requirements:

- Windows 2000 or Windows XP
- Microsoft Internet Explorer version 5.01 or later.
- Microsoft .NET Framework version 1.1
- National Instruments VISA library or Agilent Technologies IO Libraries Version M or later.

USB versions: 2.0 and 1.1 Full speed

USB connection: USB "B" type connector

USB current consumption: 350mA maximum

Switched voltage and current:

- 100VAC maximum
- 100VDC maximum
- 0.5 Amps maximum

Carrying Current

- 1.5A Maximum

Switched power:

- 10W maximum

Total Channel Resistance: 0.3 Ohms initial, typical
(Measured from the front panel connector to the rear panel Analog Bus)

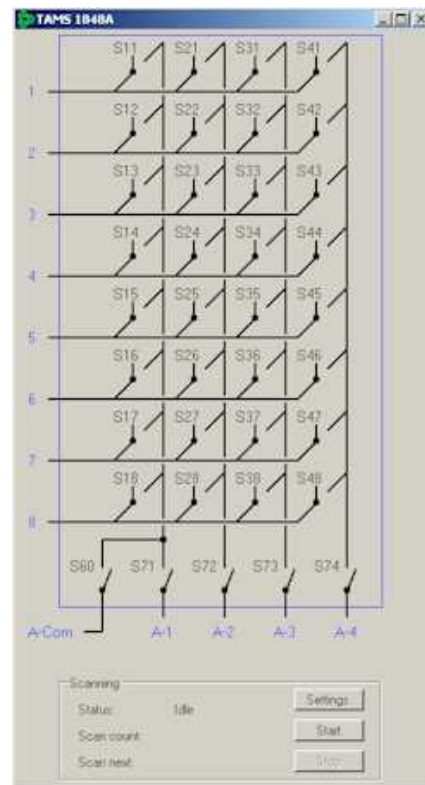
Screw terminal wire: AWG 28 – 16

Screw terminal torque: 0.22 – 0.25 Nm

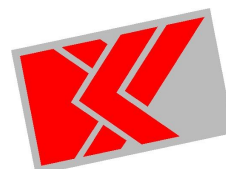
Documentation & Downloads:

Printable Datasheet (coming soon)

[Manuals & Application Notes](#)



[\[Enlarge\]](#)



BOURBAKY

BP36 – 13 rue des Alpes
07302 Tournon-sur-Rhône Cedex - France
Tel : +33 (0)4 75 07 81 20
Fax : +33 (0)4 75 07 29 74
web : www.bourbaky.com
email : info@bourbaky.com

SC SARL à capital variable
RC: Annonay 314 816 463 – FR 74 314 816 463