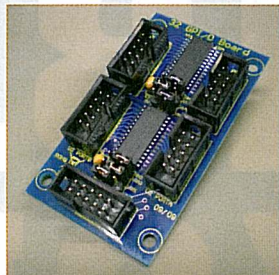


I/O BOARD

Elexol's GPI/O 32 Board Provides Expanded Inputs/Outputs via a SPI connection to the I/O 24 Range



The GPI/O 32 Board is an accessory board that allows up to 32 I/O pins to be controlled through a single port connection on Elexol's I/O 24 Range. The Elexol I/O 24 Range consists of Ether I/O 24 R, Ether I/O 24 DIP R, USB I/O 24 R, and the USB I/O 24 DIP R.

The GPI/O 32 Board incorporates 2 x MCP23S17 GPIO expanders which are split up into four eight-bit ports (two ports per MCP23S17). This allows up to 32 I/O pins to be controlled via the Elexol I/O 24 SPI Protocol.

Applications

- Home/industrial automation
- Remote monitoring systems
- Any other use where an analog input or output is required

Features

- 2 x MCP23S17 GPIO expander ICs
- 4 x I/O ports matching configuration of I/O 24 port
- Hardware addressable pins for each SPI device
- 72 mm standard width for DIN rail modules
- Compact measurements 40 x 72 x 11 mm (DIN rail mountable with adaptor)

Benefits

- Provides the existing I/O 24 range with more port interfaces
- Easy software implementation through Elexol I/O 24 SPI Protocol

For further information, please contact:

Ortech Education Systems

Website: www.orteches.com
Tel: 218 • 287 • 1379

TOOLS

Halide-Free, Lead-Free, Water Soluble Solder Paste

eookson Electronics announces the launch of ALPHA® WS-820 halide-free, lead-free, water-soluble solder

paste. This new product offers excellent printability with print volume and print repeatability down to 12 mil (0.3 mm) features and has an excellent reflow process window with straight ramp, short soak, or long soak profiles in air.

"WS-820 is the latest generation water soluble, lead free paste in ALPHA's long tradition of manufacturing high performance solder pastes. It is designed to provide excellent print performance at both low and high relative humidity (20% to 65%), and it offers IPC 7095 Class III resistance to voiding. WS-820 is also very easy to clean with warm de-ionized water, leaving virtually no ionic contamination behind," said Mitch Holtzer, ALPHA's Global Product Manager.

Available in SAC305 and SAC405 alloys and in Type 3 and 4 powder, ALPHA WS-820 delivers excellent wetting characteristics on all common surface finishes, including Entek HT OSP.

For more further information, please contact:

Cookson Electronics

Website: www.alpha.cooksonelectronics.com



CIRCUIT MODULES

Six Regulated Power Modules

SchmartBoard has released six useful single voltage regulated power SchmartModules which are designed to offer a quick, easy, and inexpensive option for users to power up their circuits. SchmartBoards connect together and are called "Electronic Circuit Building Blocks." The purpose of SchmartBoard's prototyping system is for users to easily hand solder components onto SchmartBoards using "ez" technology, which makes soldering any surface-mount component easy.

"SchmartBoard is similar in approach to software development, but for electronic circuit prototyping," says Neal Greenberg, SchmartBoards VP of sales and marketing. "In software, one may design the core code and add popular software blocks around it rather than rewriting code that already exists. These SchmartModules are the equivalent of software blocks that an engineer would source and glue to his code. Why redesign or solder a popular circuit block such as RS-232 for instance? We now have power and I/O SchmartModules and will be adding many more modules over the coming months."

The regulated power modules come in 1.5, 1.8, 2.5, 3.3, 5, and 9 volts. For further information, contact:

SchmartBoard

Web: www.schmartboard.com