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SCREW TERMINAL BOARDS

Ease signal connection & professionalize your work area

CIO-TERMINAL

This universal screw terminal accessory provides easy signal connection to miniature screw terminals which accept 12-22 American Wire Gauge (AWG) wires.

Any I/O board with a 37 pin signal connector may employ the CIO-TERMINAL for signal termination. Its large size (16" X 3.5") make it ideal for bench or rack mounting. A generous prototype area is complemented by circuitry for voltage dividers, low pass filters and pull up resistors. These extra circuits are frequently used to condition signals, and may be populated by you with exactly the right components for the application. The circuitry and component selection is fully explained in the plug-in board users manual.

Two 37 pin D type connectors provide 1:1 feed through to other accessory boards.

CIO-SPADE50

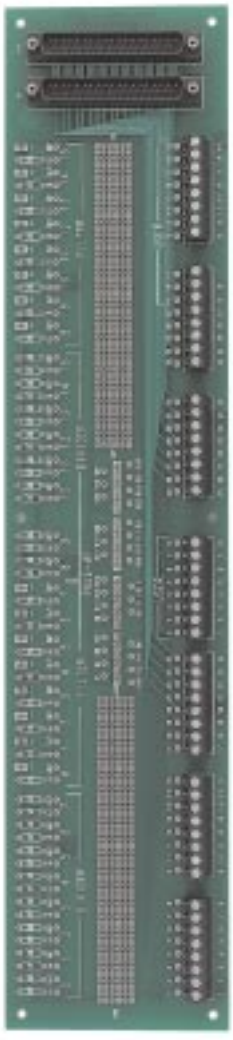
Due to their ruggedness and larger size, spade lugs are preferred over screw terminals by some industrial customers. The SPADE50 is a versatile 16" X 4" termination panel which mates with both 37 pin and 50 pin connectors.

Spade lugs are available from Radio Shack and industrial hardware suppliers. A spade lug is crimped onto each signal wire. The spade lug and signal wire are then mounted on the SPADE50.

CIO-TERM100

For high density termination of the digital signals from a CIO-DIO48, DIO96 or DIO192, the 100 point, 16" X 4" TERM100 does the job. Because the TERM100 is designed to be used only with a digital I/O board, positions for pull up resistors are on the board. Each of the two 50 pin connectors carry 48 digital I/O lines, +5V PC power and ground.

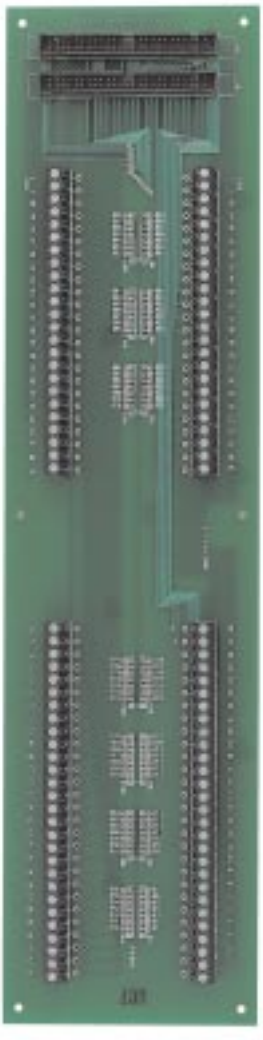
CIO-TERMINAL



CIO-SPADE50



CIO-TERM100



CABLE CONSTRUCTION KITS

Cables may be constructed from your choice of signal wire and a connector kit. The connector kits, DFCON-37 and DMCON-25 consist of a 37 or 25 pin 'D' connector, crimp pins and a shell. The crimp pins are crimped onto your signal wire then pushed into the 'D' connector. A shell protects and professionalizes the assembly. Shown below is the DFCON-37.

DFCON-37

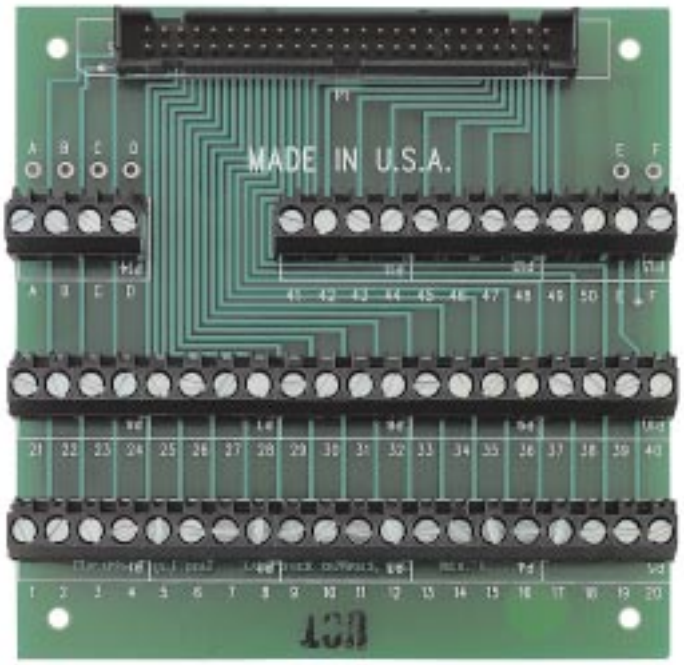


CUSTOMIZED SCREW TERMINATION PANELS

Signal routing and termination can be a hassle. It seems that nobody makes exactly what you need, or they charge an arm and a leg!

Let ComputerBoards, Inc. build the screw terminal board that suits your application perfectly. FAX us your drawing and get a quote back the same day!

CIO-MINI50



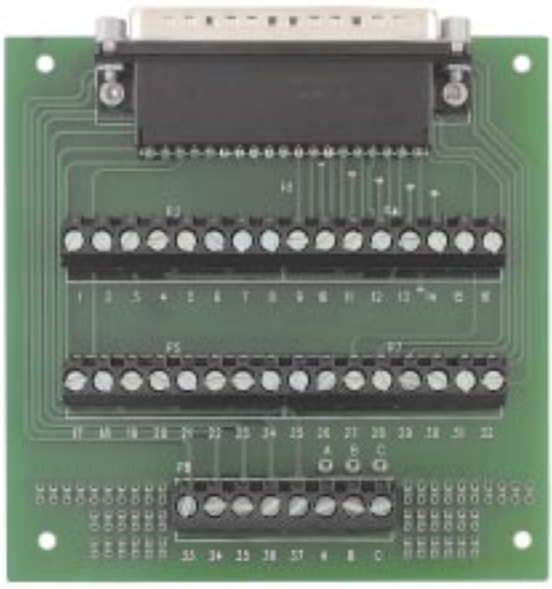
CIO-MINI37 & CIO-MINI50

The economical CIO-MINI37 is just the screw terminal accessory for tight places; or tight budgets. Measuring only 4" by 4", the CIO-MINI37 mates with the C37FF series of cables and thereby to any I/O board with a 37 pin connector.

It is truly a universal screw terminal accessory because all the signals from the 37 pin connector are brought directly to a numbered 12-22 AWG screw terminal. The number on the screw terminal corresponds to the number on the 37 pin connector.

The CIO-MINI50 provides the same functionality and size for I/O boards that employ the 50 pin header connector.

CIO-MINI37



A NOTE ON CABLES & CONNECTORS

The cables we offer are universally equipped with female connectors at each end. The female connectors on the cable are intended to mate with the male connectors found on I/O boards and screw terminal and signal conditioning accessories.

The male connector is always mounted on the board because, of the two, the female connector is more likely to wear out. The tiny sockets in a female connector spread with frequent insertions and removals, eventually resulting in too loose a fit for a good signal. It is more economical to replace a cable than a board.

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