

Application and Capability Note

Electronics and Terminations all in One Terminal Block



Automation Systems Interconnect, Inc. recognizes that the world of both electronics and packaging is continuing to shrink. In many cases the customer today is faced with the problem of putting more function, more components and more wiring into a much smaller enclosure or piece of equipment. Most of the products that we provide to our customers today address this issue of shrinking space and increased functionality. This is really obvious in the application picture as shown where we worked closely with a customer to design and manufacture a custom circuit and place it directly in a terminal block. This photograph shows our ability to combine the best of two worlds into a very small package. Our customer needed an opto-isolator circuit in as small of a package as possible. Our engineering department provided the solution with a design of a miniature printed circuit board that would fit directly into a special double level terminal block.

Designing electronic circuits and placing them in a terminal block is not new to ASI. If you look at pages 36 through 39 in our catalog or review the PCE series of products on our website at www.asi-ez.com you will see that we have a wide variety of already existing standard designs. We have terminal blocks with diode arrays, bridge rectifier circuits, MOV's, PTC's or resettable fuses and more. We even have a version available that is a prototyping unit with a breadboard in the terminal block so that the customer can build a unit for design and test evaluation.

Custom designs are available simply by contacting our engineering department and supplying them with a drawing or sketch of your requirement. Typically within a matter of days we can come up with a final solution that can be built to your specifications and delivered as required. If space is a problem in your equipment or if you find a need for a special circuit or component in the wiring let us know and we are sure that we can design and deliver the product that will meet your needs.

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