FEATURES

- 16-position removable terminal strip accepts wide range of wire sizes, 22-12AWG
- Prototyping area supports solder and wire-wrap construction techniques
- Compact size (3"w x 4.5"L) mounts in SnapTrack® or on standoffs
- Room provided for terminal labels and field signal designations
- Compatible with products from SCIDYNE and other manufacture's
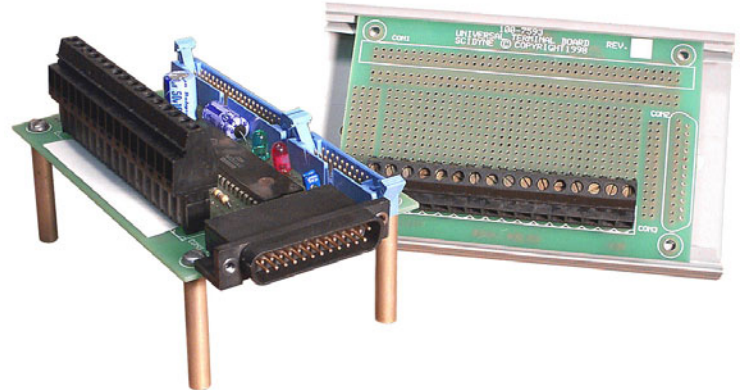
Example circuitry not included

APPLICATIONS

- Industrial Automation and Process Control
- Scientific Apparatus and Instrumentation
- Electrical Equipment Cabinets
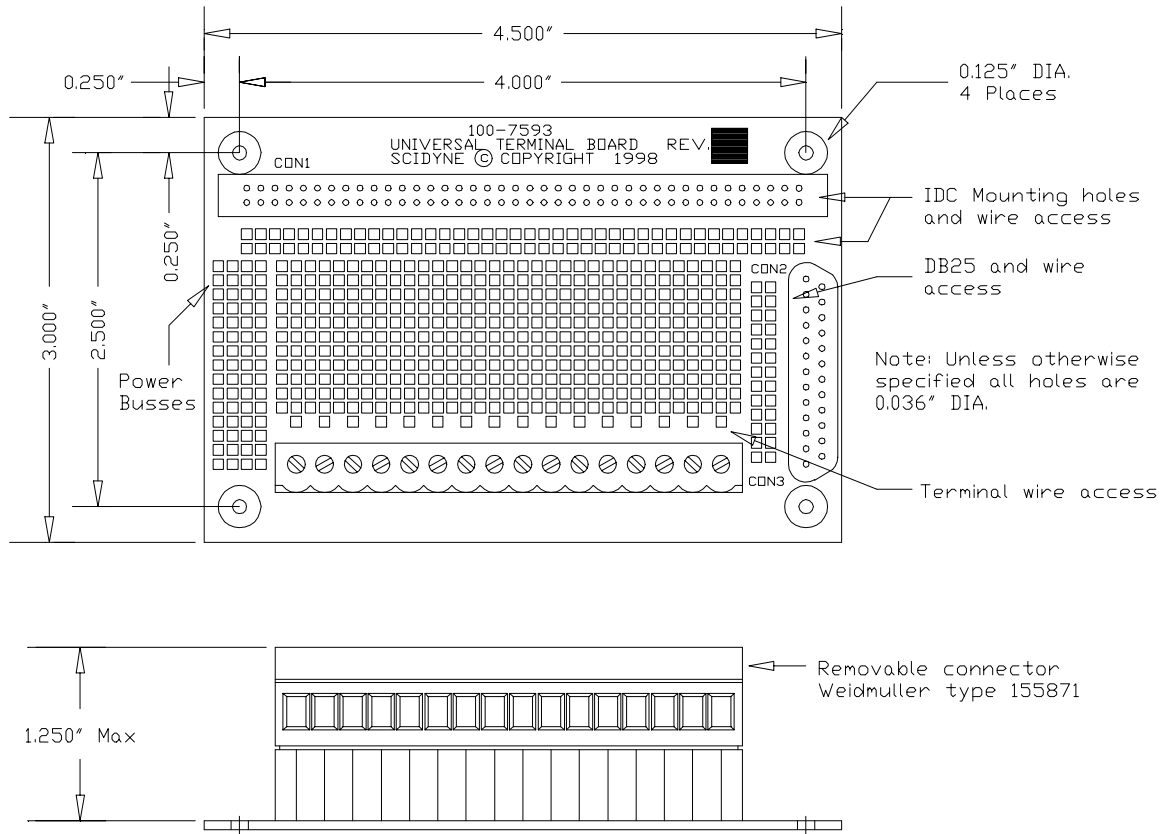- Custom Signal Conditioning Circuitry

PRODUCT DESCRIPTION

Frequently the input/output signals of computer peripheral boards must be electronically isolated, scaled or conditioned in some way before the device can be used in any practical real-world application. In addition, most board manufacture's use IDC type connectors which require adding a screw-terminal block for compatibility with "heavy" gauge field wiring. The UTB-1 is designed to solve both of these problems in one easy-to-apply product. A generous prototyping area (360+ holes) allows intermediate circuitry to be constructed using solder or wire-wrap techniques. Various combinations of IDC headers can be installed using the assigned dual row of pads on 0.1" centers. A 16-position removable terminal strip accepts wire sizes between 22-12AWG. The screws are touch-safe but may be probed for efficient field testing.

BENEFITS

Connecting computer peripheral products to real-world signals and devices can be greatly simplified by using the UTB-1. Special conversion circuitry, which often must be placed directly in the connection path, can be easily and neatly constructed using the solder-pad/wire-wrap area. The 16-position removable terminal block makes field replacements and upgrades quick and straightforward. It also eliminates the chances of wiring errors during change-overs because the field wiring stays connected to the block.

Mechanical and Layout Information

Power requirement: None

Connections: One 16-position removable screw-terminal connector. Accepts 22-12AWG size wire. Through holes and wire access provided to accommodate user-supplied IDC headers up to 80 positions (2 x 40). Any combination of smaller IDC headers can be installed side-by-side provided the overall 80 positions limit is not exceeded. Through holes and wire access provided for one DB connector up to 25 positions.

Dimensions: 3.00"W x 4.50"L x 1.250"H.

Environmental: Operating temp.: -20º C to 65º C   Non-condensing relative humidity: 5% to 95%

Ordering Information: 100-7593, UTB-1, Universal Terminal Board

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