



February 21, 2025

PRODUCTION

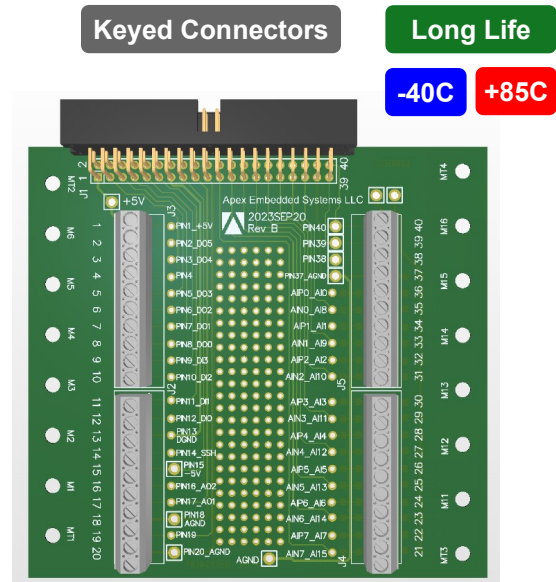
This is the equivalent of a super-hero terminal breakout board. Not only can it be used with the STX104, but it can be used for so much more! It can withstand temperatures from **-40°C** to **+85°C**! This terminal board has one of the lowest height profiles available, less than 0.6 inches when using right angle connector at location J1. Be a super hero and save the day!

## Applications

- Ribbon cable to wire interface
- STX104 break out terminal board with complete signal labeling, easily accessible probe points to all ribbon cable signals
- Signal breakout and probing (scope probes fit into plated holes next to screw terminals)
- Cable breakouts: solder cable wires to J1 location (without connector) and becomes a custom cable breakout terminal board
- Prototyping platform
- PC/104 stackable!
- Cable breakout in wide operating temperature conditions
- Low volume production customization options available
- Signal breakout
- Can be provided with J1 not soldered into place

## Features

- **Mechanical Mounting Options:** PC/104 Stack or stand alone via four spacers.
- **Mechanical Wire/Cable Support:** holes for wire clamps and/or dressing
- **Prototyping Region:** 25 x 6 array 0.1 inch spacing
- **Screw Terminal, Wire Gauge:** 16 AWG to 26 AWG
- **Signals Labeled Clearly:** Don't have to reference any documentation when using with STX104.
- **Signal access:** Signal access inline with each screw terminal is available by plated through holes clearly labeled on the board. These holes are sufficiently large to accept scope probes, wires or component leads for use within the prototyping region.
- **Designed for operation in harsh environments.** All components and materials used in our products are designed to operate in the extended and/or mil-spec temperature range, under high shock and vibration.
- **Operating Temperature:** **-40°C** to **+85°C**.



## Support

- **Long Term Commitment:** We are committed to delivering long product life and dedicated to ongoing product updates and improvements.
- **Designed and assembled** in Wisconsin by Apex Embedded Systems. We will do whatever we can to assist.
- **Note:** we build this at time of order. If you require a different J1 connector or want something special drop us an email and will help.

## Order Information

- Right angle 4-wall 40-pin connector at J1:  
SKU: AES40-IDC-RA
- Straight 4-wall 40-pin connector at J1:  
SKU: AES40-IDC-S
- Pass-Through 40-pin connector at J1:  
SKU: AES40-IDC-PT
- **Accessory:** Flat ribbon cable, 40-pin w/3M polarized IDC sockets and pull tab, 18-inches in length.  
SKU: [CBL40MCR18IN](#).
- **Accessory:** Flat ribbon cable, 40-pin w/3M polarized IDC sockets and pull tab, 7-inches in length.  
SKU: [CBL40MCR7IN](#).

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