

Compact Brute

Rugged Interconnect System



Developed for use as a rugged test floor interconnect, the Compact Brute series connector allows for design flexibility with pins that can be configured as signals, grounds, or power up to 1.7A/pin. Differential signals running on a shielded-twisted pair or shielded-parallel pair are also possible with this connector. There are board-mounted headers available in vertical male/female and right-angle male/female configurations. The female board connectors are for board-to-board connection in conjunction with male-to-board connectors. All cable end connectors are female.

Features & Benefits

- Rugged hard anodized aluminum shell with PTFE Mil-Spec coating
- Patented hermaphroditic contact for low insertion force and long life
- Contacts are dual wipe for redundancy and high reliability
- 140/280/400 pin and custom configurations available
- Contacts are protected by an LCP grid
- Resilient LCP Quick Latch system for attachment and removal
- Press fit to PCB configuration
- RoHS Compliant
- Positions available for signal, ground or power
- Cable end connector always female

Specifications

Electrical

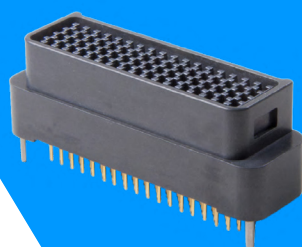
- Current rating: 1.7A per contact
- PCB mounted connectors rated 630VDC

Mechanical

- Standard contact finish: 30 μ -inch min Au over 50 μ -inch min Ni on mating area
- Metal housings
- Durability: 1000 cycles
- Two stainless steel alignment pins on board-mount
- Secured to PCB with two 4-40 screws

Environmental

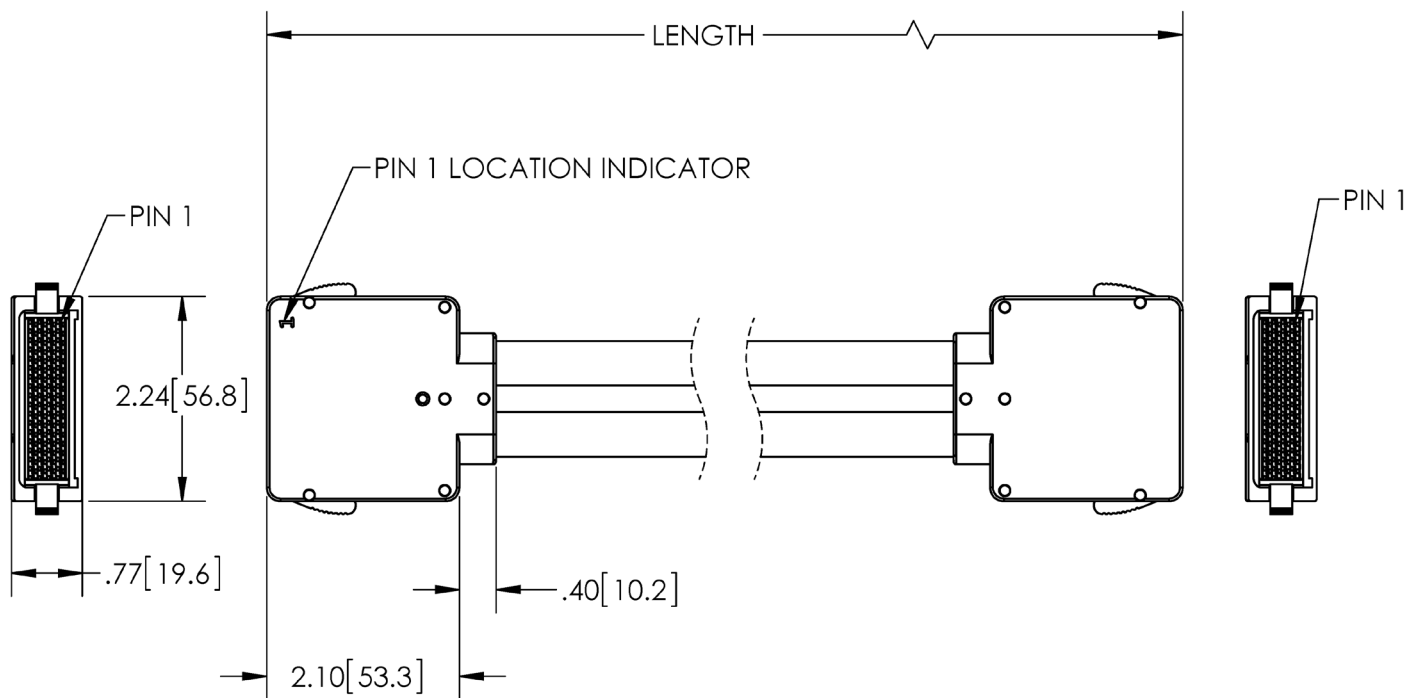
- Operating temperatures: -55°C to +105°C
- Resin material: LCP UL 94-0 Recognized



Vertical Male
PCB Mounted

Rt-Angle Male
PCB Mounted





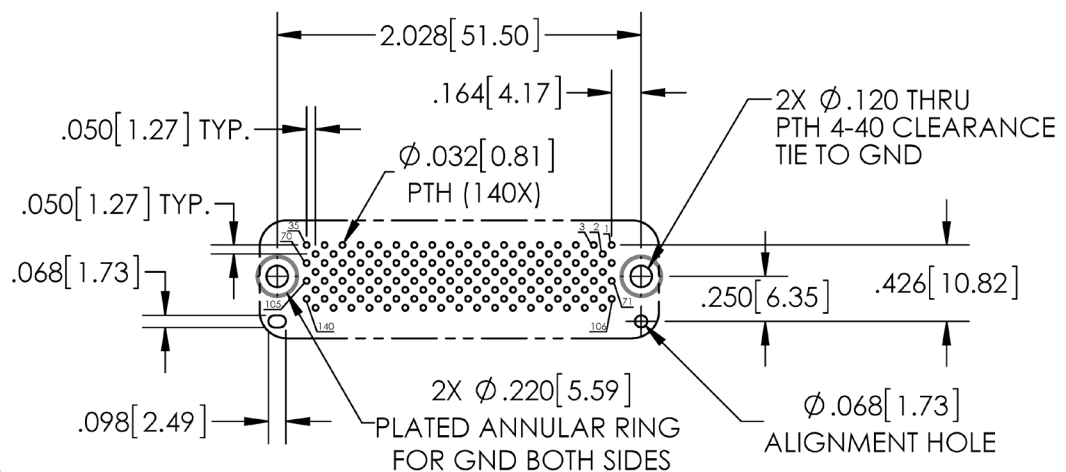
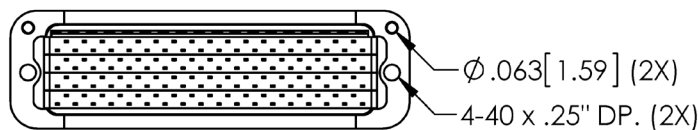
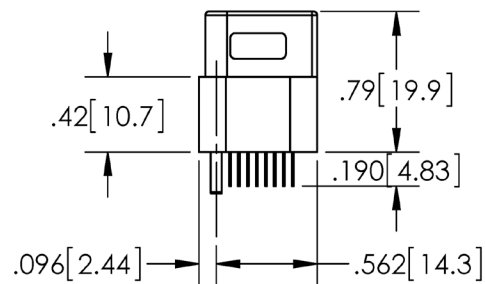
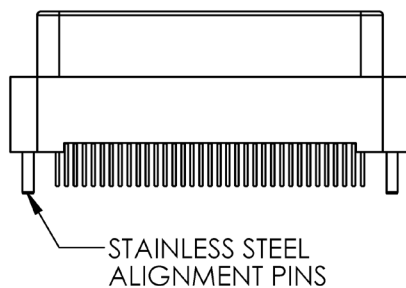
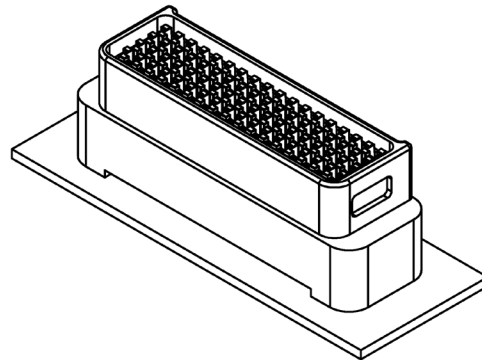
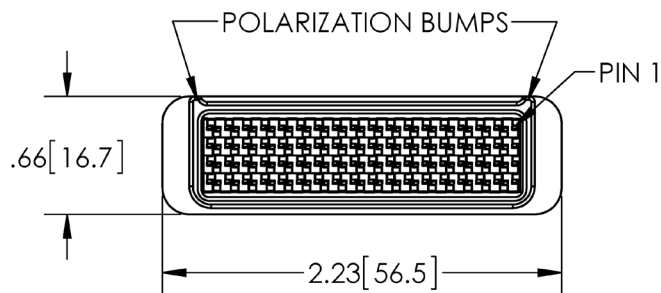
For reference only, contact factory for current details.

For lower-performance applications, a typical configuration could be 32 signals and three grounds on three rows for a total of 96 signals and nine grounds. The remaining 35 pins could be power supply.

For a higher-performance application, each row can be configured in a signal-ground repeating pattern with 17 signals and 18 grounds per row or a connector total of 68 single-ended signals.

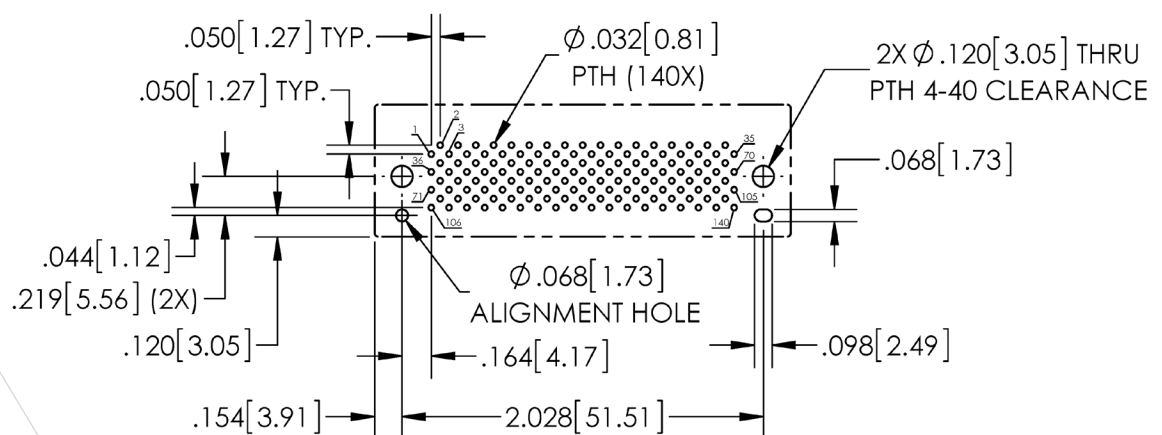
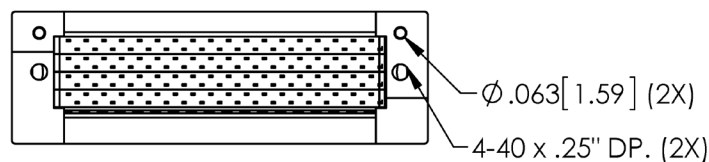
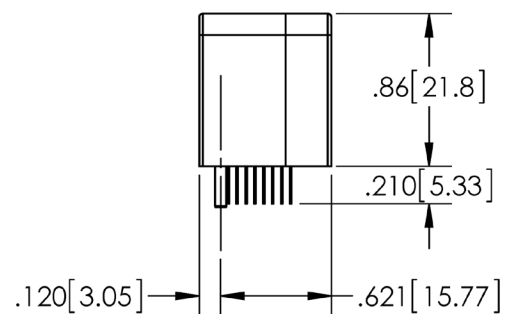
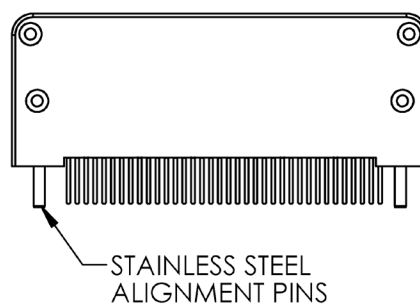
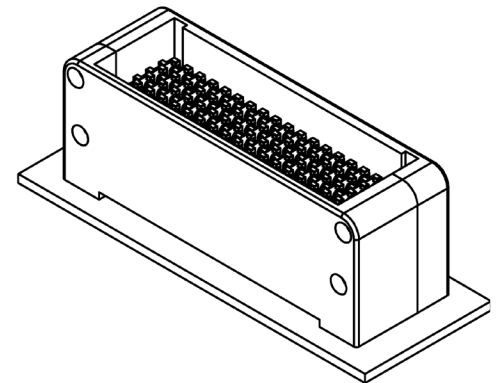
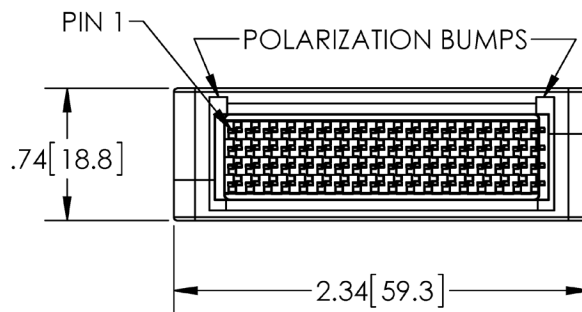
Contact Us!

1-888-MERITEC [637-4832] | OFFICE: 440-354-2100 | INFO@MERITEC.COM



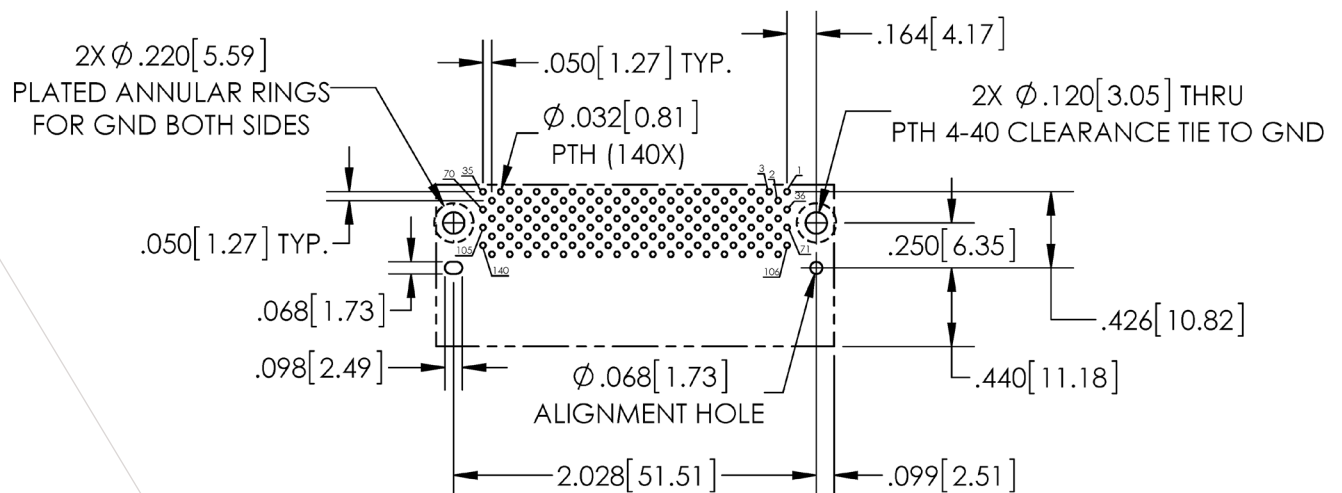
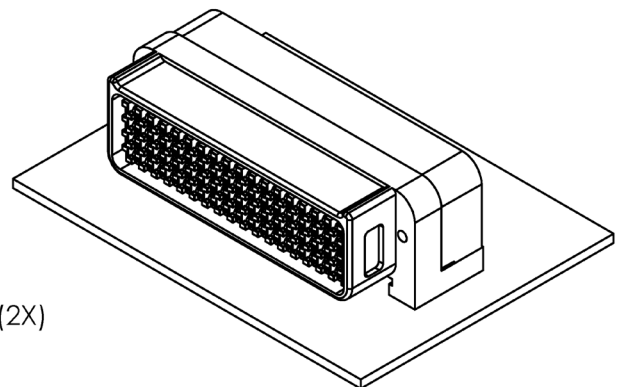
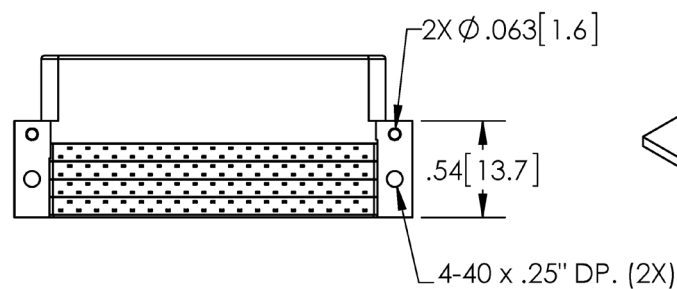
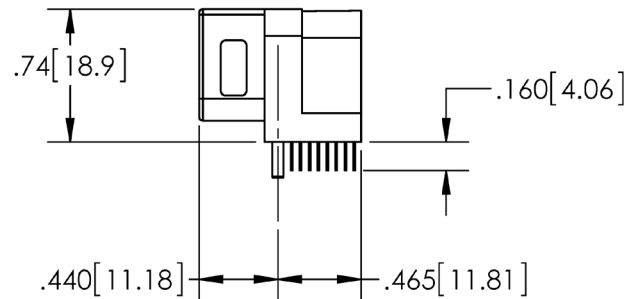
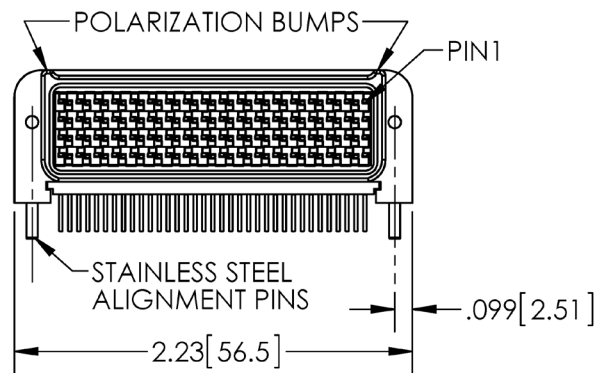
Contact Us!

1-888-MERITEC [637-4832] | OFFICE: 440-354-2100 | INFO@MERITEC.COM



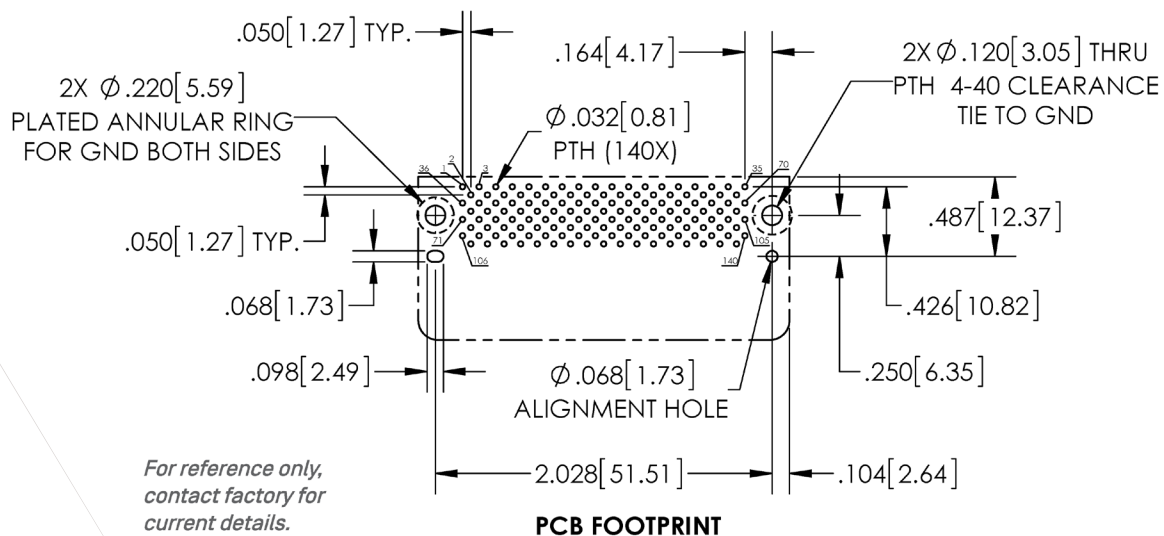
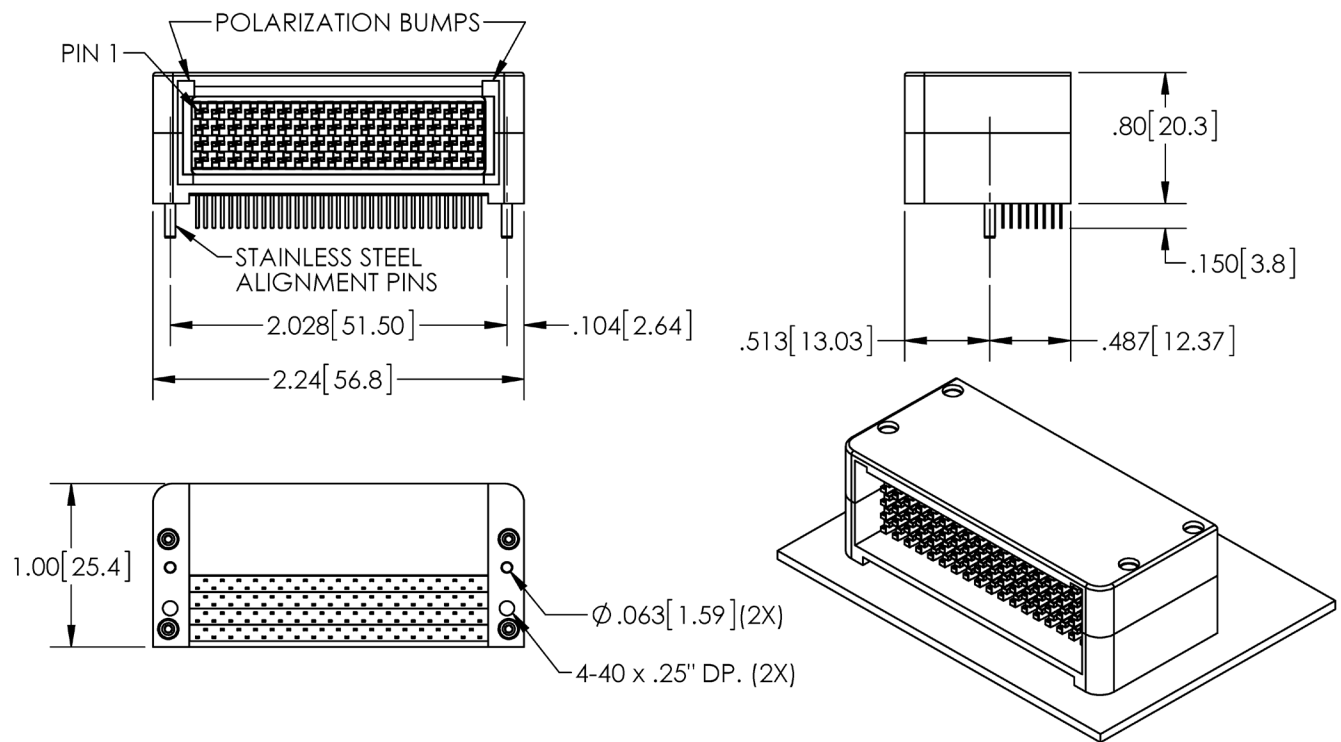
Contact Us!

1-888-MERITEC [637-4832] | OFFICE: 440-354-2100 | INFO@MERITEC.COM



Contact Us!

1-888-MERITEC [637-4832] | OFFICE: 440-354-2100 | INFO@MERITEC.COM



Contact Us!

1-888-MERITEC [637-4832] | OFFICE: 440-354-2100 | INFO@MERITEC.COM