

Product Data Sheet

Amphenol® RADSOK® Power Bus

Amphe-PD™ Connectors

No. 193

Amphenol Industrial Operations now introduces its Amphe-PD™ connector series. The Amphe-PD™ series features RADSOK® technology, a terminal that features a stamped hyperbolic grid providing low insertion force, high amperage, high reliability, and a longer cycle life. The Amphe-PD™ connector series is ideally suited for the datacom industry, as well as many other applications.

The Amphe-PD™ connectors generate more processing power with less heat than a similar-sized connector. The series produces greater amperage without wasting valuable space, offering a compact solution for datacom applications, which require small, yet powerful connectors.

The Amphe-PD™ solution is UL listed at 69A and CSA listed at 55A. Amphe-PD™ features a single position RADSOK® with molded socket shell or a dual-position TUV “touch-proof” with a V0 rating. In addition, the RADSOK® in the Amphe-PD™ supports a 50A to 70A continuous duty.

Amphenol's Amphe-PD™ series was developed with the ability to connect to wires, busbars, as well as circuit boards. This flexibility allows the Amphe-PD™ to be used in a wide variety of applications. Several different plastic receptacle-mounting variations are also available.

With millions of parts in the field, the RADSOK® electrical connection has proven to be extremely stable, with almost no reported connection failures in Amphenol-RADSOK®-designed applications. RADSOK® utilizes the tensile strength properties of the flat, high conductivity alloy grid for the high normal forces required for conductivity, while providing a large conductive surface area. This results in a correspondingly low voltage drop and low temperature rise while maintaining low insertion forces.

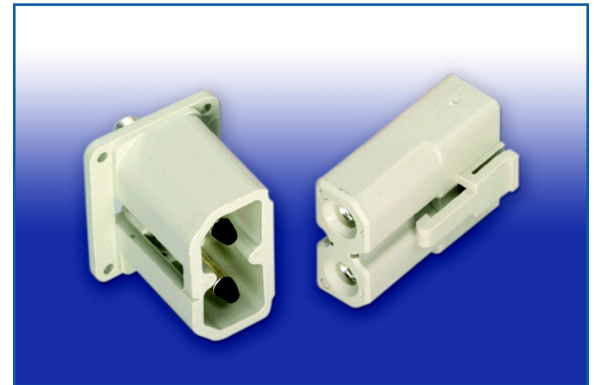
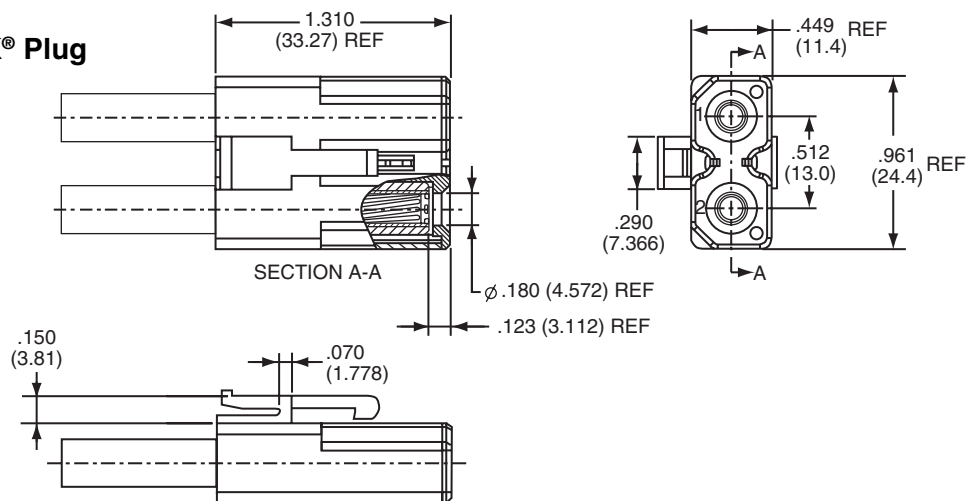
Additional benefits of the Amphe-PD™ product include:

- Low cost, 100% molded housings
- Integrated latching mechanism
- Easy, Tool-less assembly
- Low Insertion Force
- High Reliability
- High Cycle Durability
- High Ampacity
- Tactile and audible locking
- Proven metal clip contact retention on receptacles
- TPA device on plug to insure socket locking

Technical Specifications: UL rated 69 amps (6 AWG). CSA rated 55 Amps (6 AWG). Molded from UL94V-0 thermoplastic (self extinguishing). Meets RoHS and UL-94V-0 guidelines. 2-pole DC Power interconnect in about 1 square inch. Passes UL and TUV finger proof design standards.

Plug

10-638974-000 3.6mm RADSOK® Plug

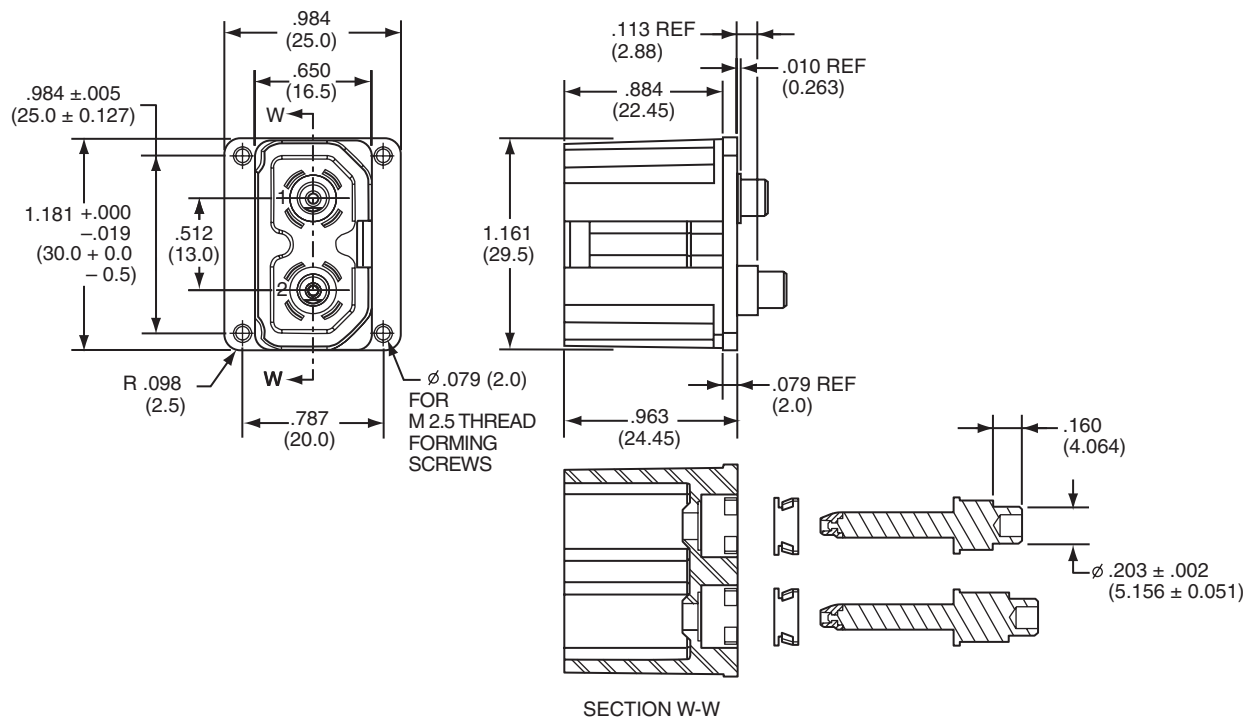


Amphe-PD

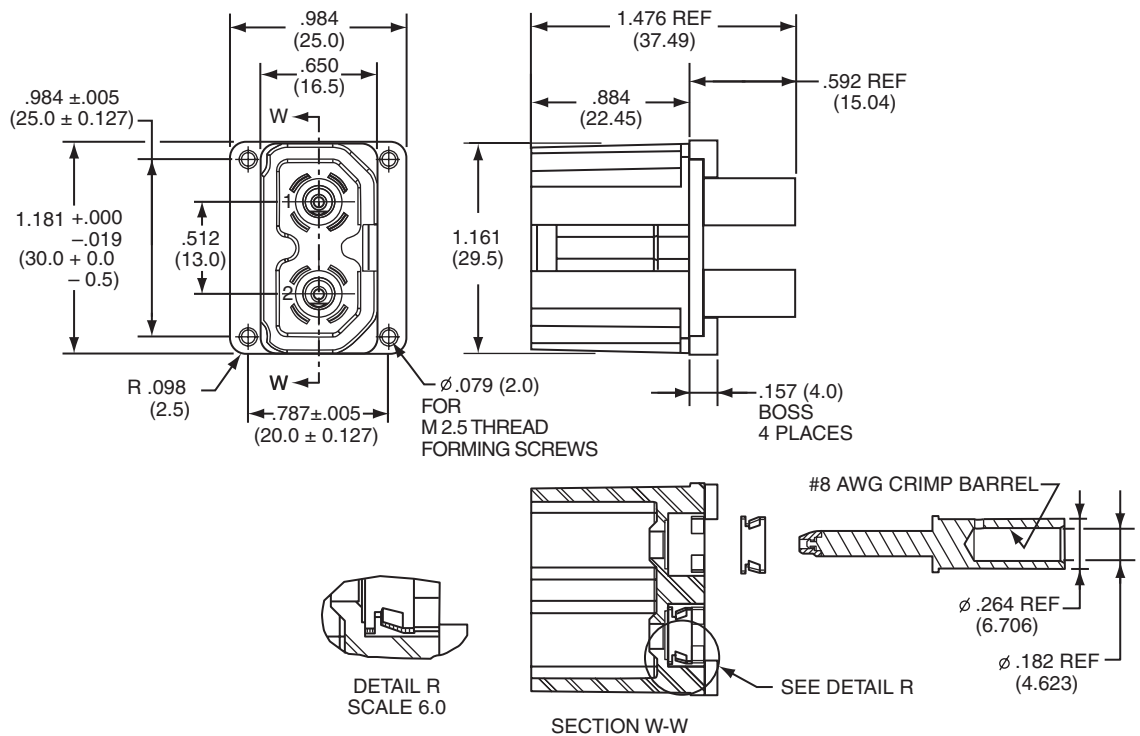
Amphenol

Receptacles

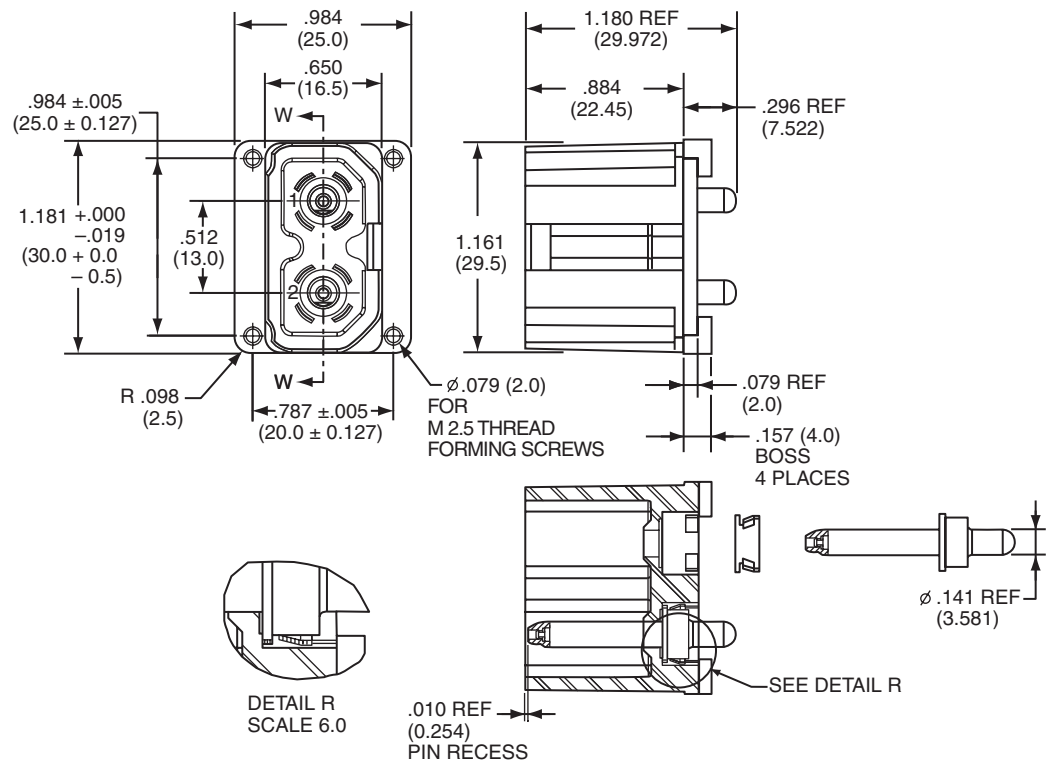
10-638975-000 Busbar Receptacle



10-638976-000 Busbar Receptacle



10-638977-000 PCB Tail Receptacle



For additional information on the GT Reverse Bayonet series of connectors, please ask for Catalog 12-024. For additional information on the Amphe-Power® family of connectors with RADSOK Technology, please ask for Catalog SL-391.

For further information on your individual application requirements, contact:

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