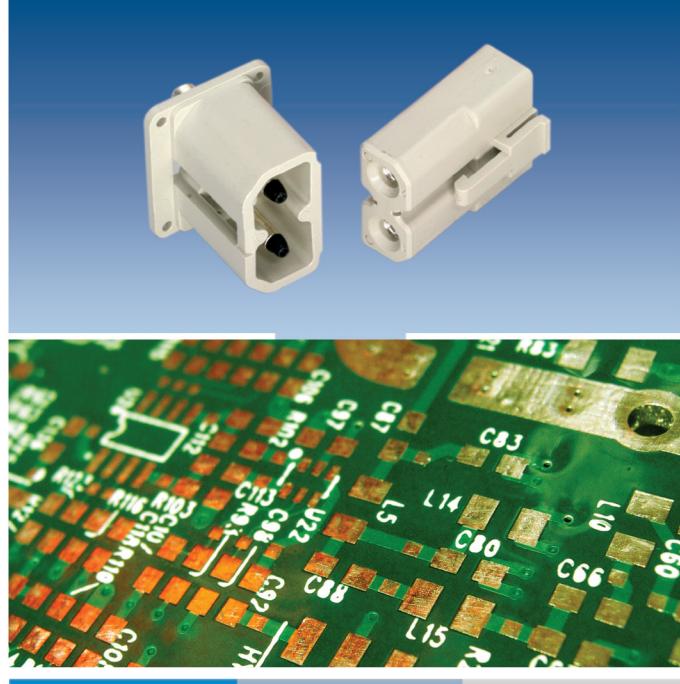


Amphenol®



Amphenol® RADSOK® Power Bus Amphe-PD™ Connectors

Amphenol® Industrial Operations now introduces its Amphe-PD™ connector series. The Amphe-PD™ series features RADSOOK® 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 VO rating. In addition, the RADSOK® in the Amphe-PD™ supports a 50A to 70A continuous duty rating. 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.

In addition to the two position, 3.6mm RADSO® rated at 55A, Amphenol now has introduced a two position 5.7mm version capable of carrying 120A continuously. This design has crimp contacts in the plug and receptacle with a crimp barrel for 4 awg wire. Contact Amphenol for more product details.

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.

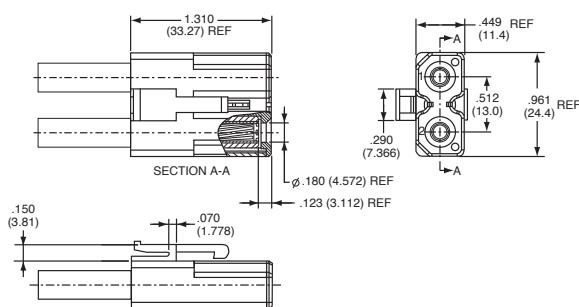
Additional benefits of the Amphe-PD™ product include:

- 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

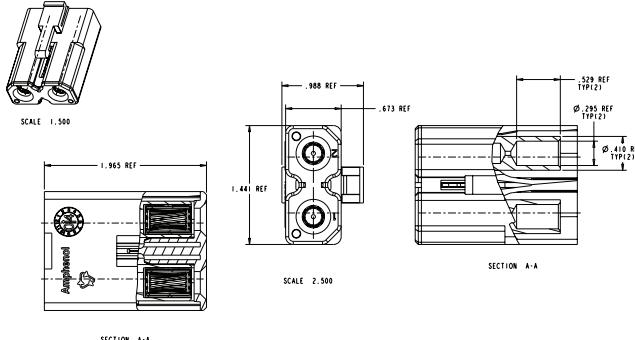
Technical Specifications: 3.6mm is UL rated 69 amps (6 AWG). CSA rated 55 Amps (6 AWG). 5.7mm (non-UL) is rated for 120 amps. Molded from UL94V-0 thermoplastic (self extinguishing). Meets RoHS and UL-94V-0 guidelines. 2-pole DC Power interconnect in about 1 square inch (3.6mm version) and 1.75 inch square (5.7mm version). Passes UL and TUV finger proof design standards.

Plugs

10-638974-000 3.6mm RADSOK® Plug

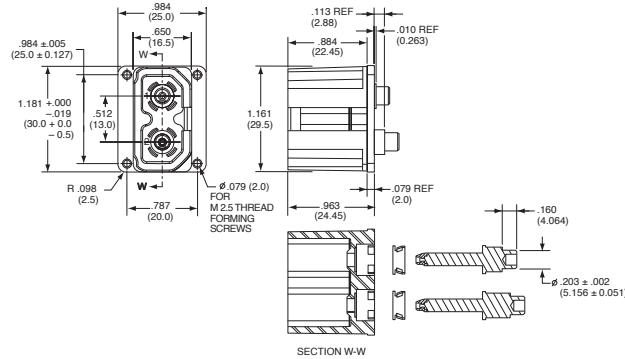


10-685188-000 5.7mm RADSOK® Plug

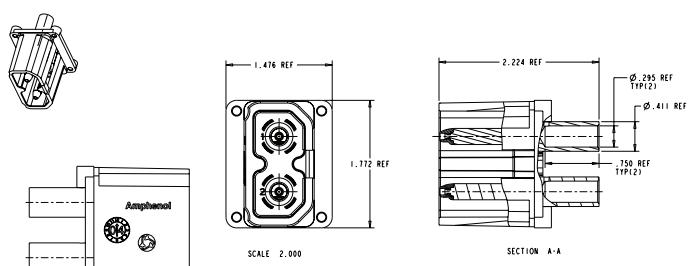


Receptacles

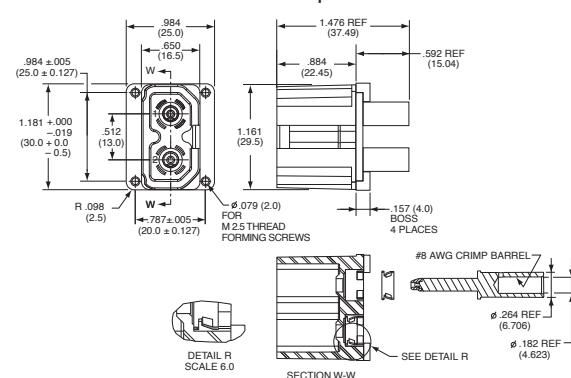
10-638975-000 3.6mm Busbar Receptacle



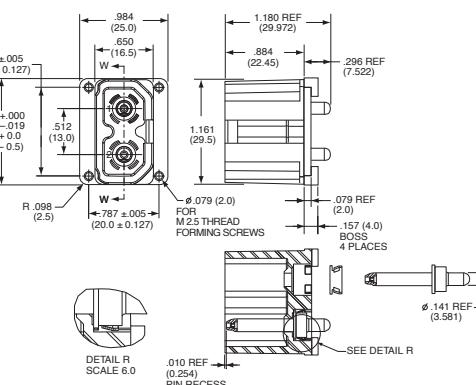
10-685189-000 5.7mm Receptacle



10-638976-000 3.6mm Receptacle



10-638977-000 3.6mm PCB Tail



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