

New!

TRIMATE®

Rugged Circular
Interconnects



Introducing TriMate® — AirBorn's Next-Generation Circulars!

AirBorn builds on its legacy of rugged miniature interconnects by introducing TriMate circular connectors. TriMate's performance meets or exceeds legacy MIL-DTL-38999 connectors yet they're manufactured in a smaller, lighter, and a much easier-to-install connector package.

TriMate connectors help manufacturers simplify their bill of material (BOM) by employing a common receptacle to mate with three different plug types. TriMate offers a traditional 38999-style ratcheting threaded plug, a push-pull plug for improved density in installations, and a break-away plug ideal for applications requiring quick de-mating.

Select The Right TriMate For You

TriMate connectors are offered in three different forms to support different applications: Threaded, Push/Pull, & Break Away. To reduce manufacturing complexity, all three styles mate with the same receptacle. AirBorn offers both the connectors AND the pre-tested cable assemblies, designed to your specifications.

Overmolded strain reliefs offer benefits in size, weight, and sealing. Save space, weight, part complexity and improve reliability with TriMate circular connectors!



Plugs



As shown above: 5 position, up to 13 amps per pin. Higher density signal contacts available also, in different housing sizes. Contact your AirBorn sales representative or visit airborn.com for more information.

Receptacles



MIL-C-39029 Contacts

Dependable MIL-C-39029 Contacts

Since electrical connection integrity is vital to safe and successful flights and missions, TriMateconnectors use proven MIL-C-39029 contacts, used in countless applications since their introduction. The solid-body pin and socket construction and anti-overstress socket hoods ensure complete reliability.

If a higher-density configuration is required, AirBorn offers alternatives to the MIL-STD contacts. Either contact choice ensures durability and high reliability. With heavy gold (.050 micro-inch) plating and quick (triple-start) ratcheted threaded coupling, TriMate contacts excel in high-vibration environments inherent in Mil-Aero, Industrial, and Commercial Air applications.



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