



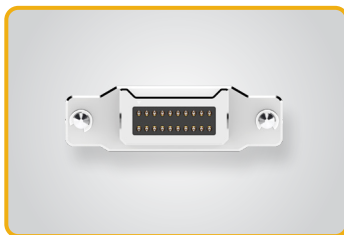
ULTRA RUGGED I/O SYSTEM

URSA® I/O Micro 1.00 mm Pitch System

- Hyper Claw™ hyperboloid-type contact provides four points of contact for a reliable connection and extreme high mating cycles
- Micro 1.00 mm pitch in a double row space saving design with up to 40 total positions
- Cable-to-board and cable-to-cable solutions
- Rugged captive panel screws and strain relief
- Current rating: 3.8 A max
- Voltage rating: 200 VAC/282 VDC max
- Available with Precision RF SMPM contacts to 40 GHz in 2, 4 or 6 positions
- Configurability of contacts (high-speed, RF, power) in 1 to 5 bank configurations. See next page.
- EMI shielding limits signal degradation and optimizes performance for mission-critical applications
- Components available for self-assembly

URSA I/O
ULTRA RUGGED CABLE SYSTEM

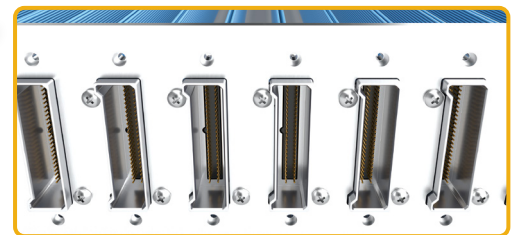
PAM 4	DC TO	MAX
64 G b p s	40 GHz	3.8 A m p s



Shown actual size at 20 total positions



Hyperboloid-type contact with four points of contact for extreme mating cycles



Extreme density with up to 1,450 total I/Os in a 1RU panel (29 cables at 50 total I/Os each)

Systems

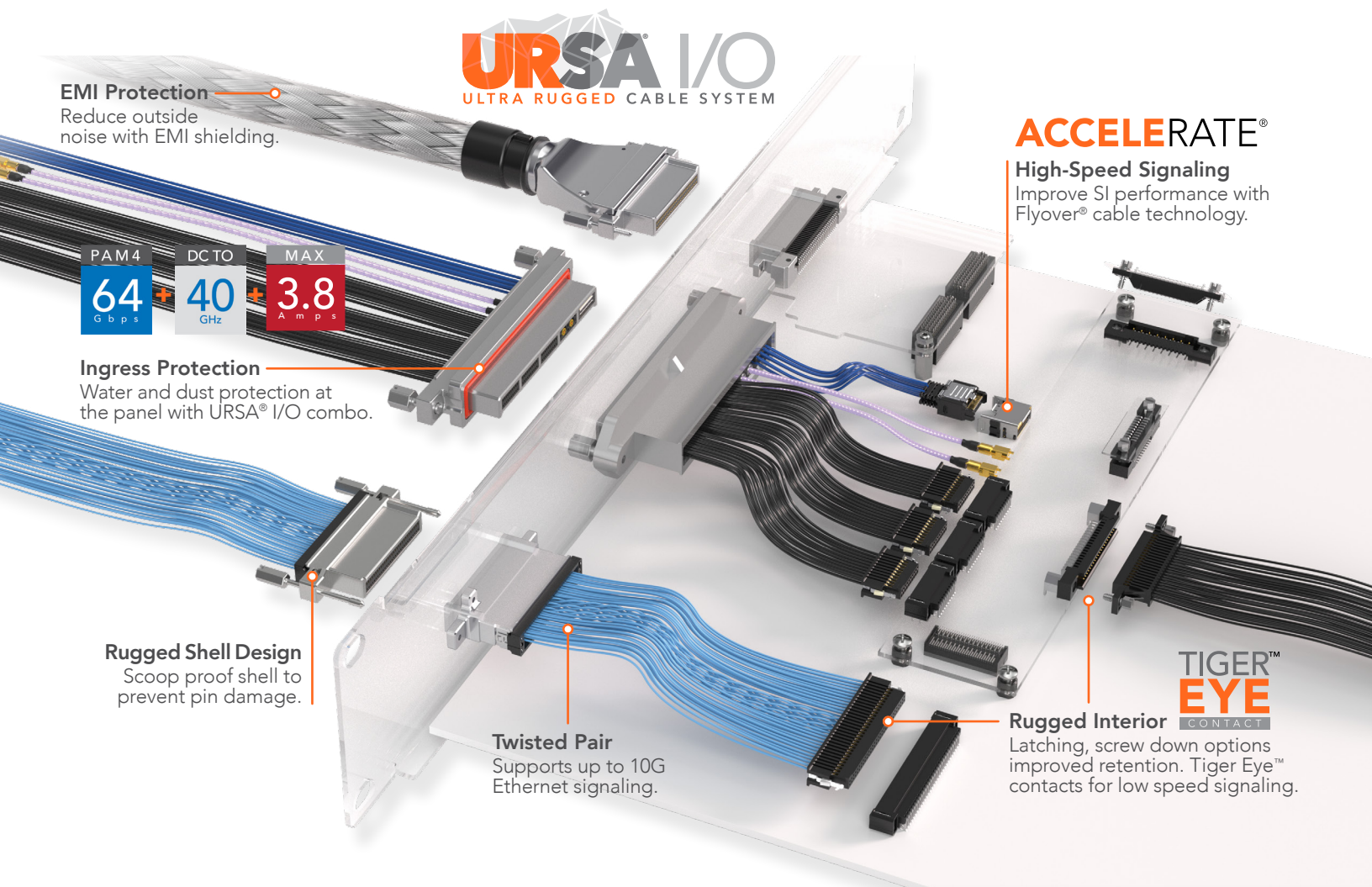
- B1SD - Socket Cable Assembly
- B1SDT - Socket Cable Assembly, Teflon™ Fluoropolymer Wire
- P1PD - Panel Mount Terminal Cable Assembly
- P1PDT - Panel Mount Cable Assembly, Teflon™ Fluoropolymer Wire
- P1M - Board Mount I/O Connector
- B1SM - Jack Cable Assembly with SMPM Contacts
- P1SM - Plug Cable Assembly with SMPM Contacts
- B1UC - Flexible Combo, External Cable Assembly
- P1UC - Flexible Combo, Panel Mount Cable Assembly

* Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec

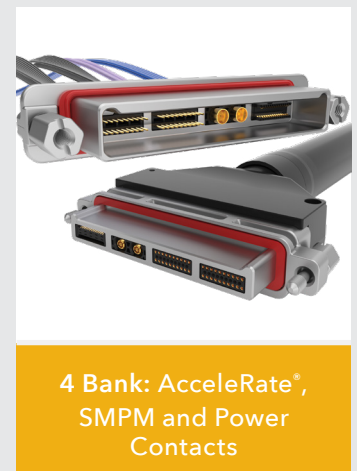
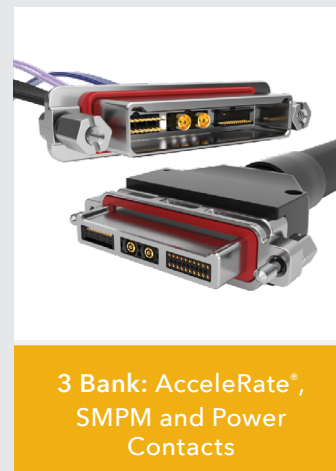
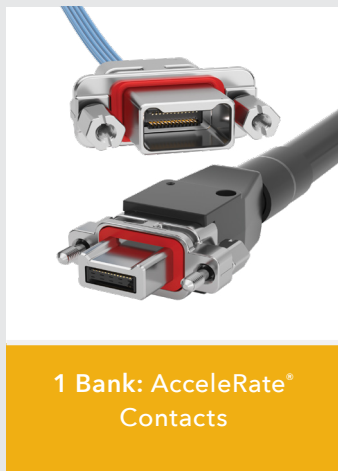
For more information on Samtec's URSA® I/O, visit [samtec.com/ursaio](https://www.samtec.com/ursaio)

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ULTIMATE FLEXIBILITY



- Mix and match contact types with any number of housing banks (1-5 banks) to create a solution for any application
- Contacts available: Power (3.8 A), AcceleRate® high-speed differential pair (64 Gbps PAM4) and Precision RF SMPM (40 GHz).



For the latest information about product availability, or to discuss your Rugged I/O application needs, please contact RuggedPower@samtec.com.