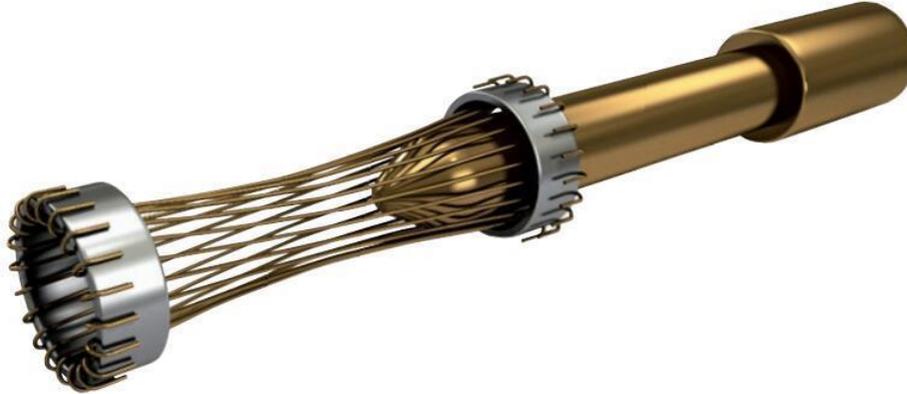


High Reliability of R-SATA Connector

High reliability SATA connector is designed for harsh environment and rugged storage applications within the aerospace, defence, maritime and industrial market segments.



- Adopt hyperbolic surface design to provide the high reliability from the electric and mechanical characteristics
- Reduce the contact resistance by 50% compared to conventional gold-finger connector
- Wire basket design with 360° excellent contact under heavy shock
- Contacts perform up to 100,000 insertion/ extraction
- Provide 50μ gold-plated for all contact surface
- provide superior signal integrity
- Shock: 100g, vibration: 30g
- Operation temperature of Connector: -55°C to +125°C

Strong Buffer Design

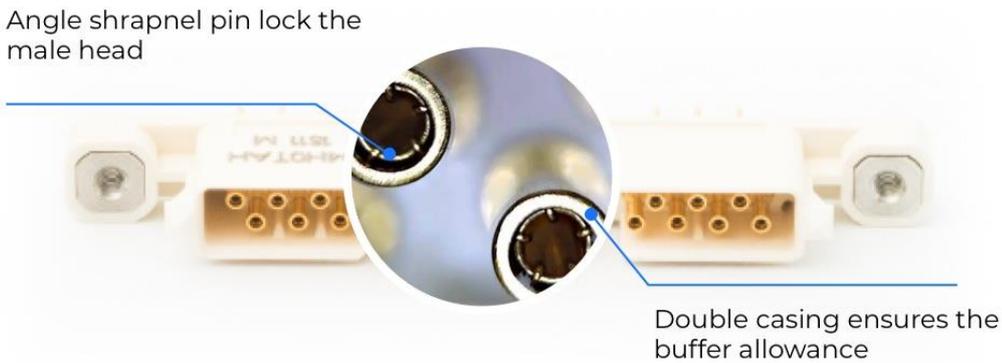


The angle of the socket wires allows tight control of the Pin insertion and extraction forces. The spring wires are smoothly deflected to make line contact with the Pin. The rugged connector with special buffer structure between

connector and PCB. Each Pin is designed with spherical at the bottom, to ensure rotation at the same angle and maximize the buffer effect in face of strong shock and vibration.

Double Sleeve Design of Female Connector

Angle shrapnel pin lock the male head



The shape of female connector is designed with double sleeve and contact wires, which allows it easy to insertion/extraction and minimize wear on the contact surfaces. The spring wires extend contact area to 360 degree around the pin and is uniform over its entire length, provides unmatched stability in demanding environment when failure is not an option.