Kona Connectors Introduction

Kona is a 8.50mm pitch High-Reliability, high performance connector range from Harwin. The largest connector with a rugged construction, providing the ultimate in power-handling capability and voltage flashover resistance. The compact design delivers savings on space and weight.

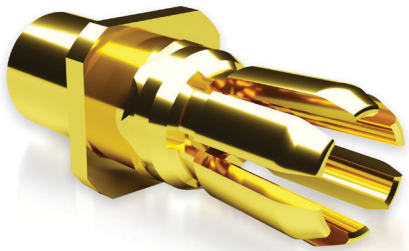
At 60A per contact, Kona supplies maximum power in cable-to-board for extreme environments. The rugged and resilient performance is suited for power delivery in aerospace and UAVs, industrial and energy applications. Stainless steel screw fixings assist with vibration and shock resistance, and single-piece Beryllium Copper contacts perform under a wide range of temperatures. All components are fully RoHS-compliant, and low outgassing with future-proofed thermoplastics ensure suitability for many applications on the ground and above it.

- Up to 60A per contact in a space-saving design - just 21.5mm height for cable-to-board
- Mating durability of 250 cycles, with easy-to-use screw-fixings that mate-before-lock
- High levels of heat resistance: -65° to +150°C operating temperature
- Individually shrouded contacts with polarized housings, avoiding damage from physical knocks and mis-mating
- Great for SWaP constraints - minimal design and lightweight mated connections
- Ongoing development program for future range expansion

Kona Connectors Product Features

Six Finger Beryllium Copper Contact

High-reliability contact design ensures electrical integrity under extremes of vibration and shock. Durable to 250 mating cycles.

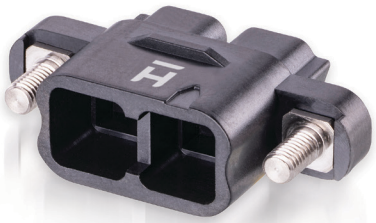


Individually Shrouded Scoop-proof Contacts

Each contact is protected from accidental touch and physical knocks from all directions, including onto the mating face.

No. 1 Position Identified

Both cable and PCB mounted housings are clearly marked with an identifier for fast visual inspection.



Comprehensive Operating Temperature

Performance maintained across the full operating temperature range of -65°C to +150°C. De-rating curves available.

Stainless Steel Mate-Before-Lock Fixings

Rugged easy-to-use fixings between mated connectors, to assist with vibration & shock, and to prevent accidental disconnection. Simple to use - fully mate connectors, then engage screw fixing.

Polarization Elements

Simple polarized housing designs, to prevent mis-mating the wrong way round.