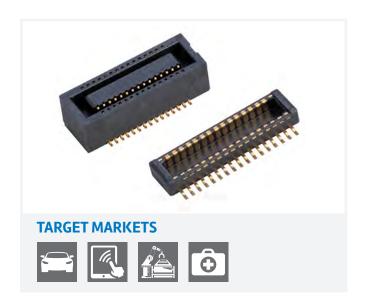
BergStak® 0.40mm Self-Alignment Board-to-Board Connector

USCAR-2 COMPLIANT CONNECTORS WITH SELF-ALIGNING FEATURE

The BergStak® 0.40mm self-alignment connectors come with a stack height of 3.50mm and 30 positions extendable up to 10 to 60 positions with 10 positions incremental. It has a unique self-alignment feature that supports blind mating, ensuring a reliable connection. The USCAR-2 compliant connector is also ideal for the automotive market.

- 0.40mm fine pitch design
- Self-alignment feature
- Supports speed performance up to 8Gb/s
- Meets USCAR-2 vibration and shock limits



FEATURES

- Fine pitch design at 0.40mm
- Self-alignment feature
- 3.50mm stack height and 30 positions extendable up to 10 to 60 positions
- Supports speed performance up to 8Gb/s
- Meets USCAR-2 vibration and shock limits
- RoHS compliant, halogen and lead free

BENEFITS

- Suitable for applications with space constraints
- Supports blind mating
- Support different applications
- Meets PCIe® Gen 3 standards
- Suitable for automotive application
- Meets health, safety and environment requirements

▶ BergStak® 0.40mm Self-Alignment Board-to-Board Connector

TECHNICAL INFORMATION

MATERIAL

 Housing: High temperature thermoplastic LCP, UL94V-0, black

• Terminal: Copper alloy

• Metal Hold-down: Copper alloy

• Plating: Gold

ELECTRICAL PERFORMANCE

Current Rating per Contact: 0.3A per contact

• Inslation Resistance: $50M\Omega$ min.

Voltage Rating: 30V AC

MECHANICAL PERFORMANCE

• Durability: 30 mating cycles

ENVIRONMENTAL

■ Operating Temperature Range: -40°C to +125°C

• SO2 Gas: Duration 96 hours

Mechanical Shock and Vibration: Pass USCAR-2 Class V1

SPECIFICATIONS

■ Product Specification: GS-12-1404

PACKAGING

■ Tape & Reel

PART NUMBERS

Description	Part Numbers
BergStak® 0.40mm self-alignment header, 30 positions, 3.50mm stack height	10142886-030A2EHLF
BergStak® 0.40mm self-alignment receptacle, 30 positions, 3.50mm stack height	10142890-030A3EHLF

TARGET MARKETS/APPLICATIONS



Car camera



Portable IoT devices Gaming device



Factory automation camera



Patient monitor

Disclaimer

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