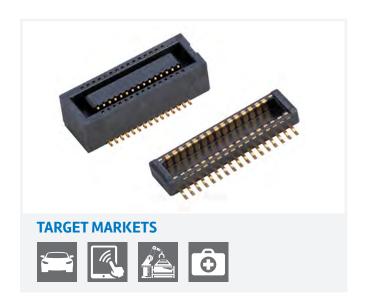# BergStak® 0.40mm Self-Alignment Board-to-Board Connector

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

TARGET MARKETS

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

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: 50MΩ 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

TARGET MARKETS/APPLICATIONS

Car camera

Portable IoT devices
Gaming device

Factory automation camera

Patient monitor

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

BASICSBERG040SA1219EA4