

BergStak® 0.40mm Connector

FINE PITCH/WIDE RANGE/ VIBRATION-PROOF/HIGH-SPEED BOARD-TO-BOARD CONNECTORS

Amphenol's BergStak® 0.40mm is a compact board-to-board connector on 0.40mm pitch with stack heights of 1.5mm and 4.0mm with 10 up to 100 positions. The contact lock function and the shock-absorbing ribs on the housing make this connector highly suitable for high vibration applications. BergStak® 0.40mm supports signal speeds up to 16Gb/s and can be soldered on FPC for flexible board-to-board connections.

- Space saving 0.40mm contact pitch and 10 up to 100 positions
- 1.5mm and 4.0mm stack heights
- Contact lock function provides high mating reliability
- The lock feature on the contact area provides higher reliability
- USCAR-2 V2 qualified
- High-speed performance: 16Gb/s (PCIe®/USB)
- Self-alignment feature to support FPC-to-Board applications



FEATURES

- Fine pitch of 0.40mm
- Various stack height and position combinations
- Contact lock feature
- Shock-absorbing ribs
- Misalignment feature
- High-speed performance of 16Gb/s (PCIe®/USB)
- Additional fix tap on the header

BENEFITS

- Space-saving solution with small size, low weight, and high reliability
- Application flexibility
- Provides tactile feedback during blind mating
- Withstands high level of vibration
- Ensures reliable and secure mating
- Supports High-speed applications
- Offers higher PCB retention force

PART NUMBERS

Description	Part Numbers
BergStak® 0.40mm, 10 position, Receptacle, 1.5mm stack height	10164227-0101A1RLF
BergStak® 0.40mm, 20 position, Receptacle, 1.5mm stack height	10164227-0201A1RLF
BergStak® 0.40mm, 24 position, Receptacle, 1.5mm stack height	10164227-0241A1RLF
BergStak® 0.40mm, 30 position, Receptacle, 1.5mm stack height	10164227-0301A1RLF
BergStak® 0.40mm, 34 position, Receptacle, 1.5mm stack height	10164227-0341A1RLF
BergStak® 0.40mm, 40 position, Receptacle, 1.5mm stack height	10164227-0401A1RLF
BergStak® 0.40mm, 50 position, Receptacle, 1.5mm stack height	10164227-0501A1RLF
BergStak® 0.40mm, 60 position, Receptacle, 1.5mm stack height	10164227-0601A1RLF
BergStak® 0.40mm, 70 position, Receptacle, 1.5mm stack height	10164227-0701A1RLF
BergStak® 0.40mm, 80 position, Receptacle, 1.5mm stack height	10164227-0801A1RLF
BergStak® 0.40mm, 90 position, Receptacle, 1.5mm stack height	10164227-0901A1RLF
BergStak® 0.40mm, 100 position, Receptacle, 1.5mm stack height	10164227-1001A1RLF
BergStak® 0.40mm, 40 position, Receptacle, 4.0mm stack height	10164227-0404A1RLF
BergStak® 0.40mm, 50 position, Receptacle, 4.0mm stack height	10164227-0504A1RLF
BergStak® 0.40mm, 60 position, Receptacle, 4.0mm stack height	10164227-0604A1RLF
BergStak® 0.40mm, 70 position, Receptacle, 4.0mm stack height	10164227-0704A1RLF
BergStak® 0.40mm, 80 position, Receptacle, 4.0mm stack height	10164227-0804A1RLF
BergStak® 0.40mm, 90 position, Receptacle, 4.0mm stack height	10164227-0904A1RLF
BergStak® 0.40mm, 100 position, Receptacle, 4.0mm stack height	10164227-1004A1RLF
BergStak® 0.40mm, 10 position, Header, 1.5mm and 4.0mm stack height	10164228-0101A1RLF
BergStak® 0.40mm, 20 position, Header, 1.5mm and 4.0mm stack height	10164228-0201A1RLF
BergStak® 0.40mm, 24 position, Header, 1.5mm and 4.0mm stack height	10164228-0241A1RLF
BergStak® 0.40mm, 30 position, Header, 1.5mm and 4.0mm stack height	10164228-0301A1RLF
BergStak® 0.40mm, 34 position, Header, 1.5mm and 4.0mm stack height	10164228-0341A1RLF
BergStak® 0.40mm, 40 position, Header, 1.5mm and 4.0mm stack height	10164228-0401A1RLF
BergStak® 0.40mm, 50 position, Header, 1.5mm and 4.0mm stack height	10164228-0501A1RLF
BergStak® 0.40mm, 60 position, Header, 1.5mm and 4.0mm stack height	10164228-0601A1RLF
BergStak® 0.40mm, 70 position, Header, 1.5mm and 4.0mm stack height	10164228-0701A1RLF
BergStak® 0.40mm, 80 position, Header, 1.5mm and 4.0mm stack height	10164228-0801A1RLF
BergStak® 0.40mm, 90 position, Header, 1.5mm and 4.0mm stack height	10164228-0901A1RLF
BergStak® 0.40mm, 100 position, Header, 1.5mm and 4.0mm stack height	10164228-1001A1RLF

	1.5mm Stack Height	4.0mm Stack Height
Receptacle	10164227-AAA1A1RLF	10164227-AAA4A1RLF
Header	10164228-AAA1A1RLF	10164228-AAA1A1RLF

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