BergStak® 0.5mm Mezzanine Connector

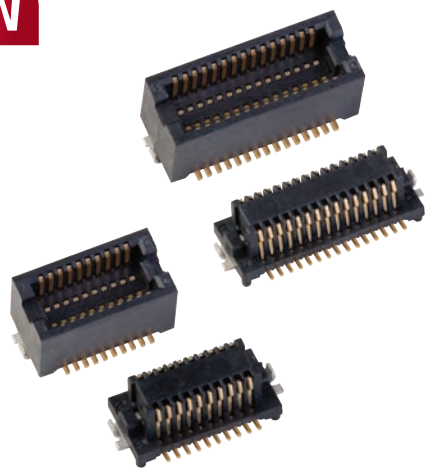
Expanded product range

RELIABLE SOLUTION FOR HIGH DENSITY APPLICATIONS

Amphenol's BergStak® 0.5mm is a comprehensive and versatile board-to-board solution designed for reliable and high-density applications. The unique design of scoop-proof housing ensures terminals are not damaged during mating.

- 0.5mm double row contact for high density connector
- Scoop-proof housing ensures terminals are not damaged during the mating
- PCB locator pegs option helps to ease manual assembly

NEW



TARGET MARKETS

FEATURES	BENEFITS
0.5mm double row contact	High density connector
Scoop-proof housings	Ensures terminals are not damaged during mating
Metal hold-down option	Higher retention force
Locating pegs option	Eases manual assembly
3mm to 6mm stack heights in 0.5mm increments 10 to 60 positions in 10 position increments	Wide range of sizes and stack heights supports different applications
Available in UL94 V0	High flammability rating
RoHS compliant and lead-free	Meets environmental, health and safety requirements

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic UL94V-0, LCP, Black
- Terminal: Copper Alloy
- Metal hold-down: Copper Alloy
- Plating: Gold Flash

MECHANICAL PERFORMANCE

- Mating Force: 1.47N per pin max.
- Unmating Force: 0.15N per pin min.
- Retention Force: 0.98N per pin min.
- Durability: 50 mating cycles

ELECTRICAL PERFORMANCE

- Current Rating per Contact: 0.3A per contact
- Insulation Resistance: 500MΩ min.
- Voltage Rating: 50 VAC

ENVIRONMENTAL

- Salt Spray Test:
  - 5±1% salt concentration 48±4 hours 35±2°C
- Thermal Shock: -65°C to +125°C
- High Temperature: 85±2°C for 96 hours
- Humidity:
  - Temperature: 40±2°C 96 hours
  - Relative Humidity: 90-95%
  - Duration: 96 Hours

SPECIFICATIONS

- Product Specification: GS-12-1298

PACKAGING

- Tape & Reel

TARGET MARKETS/APPLICATIONS

Digital Video Camera

Measurement Equipment
Mobile Payment Device
Point of Sales Equipment
Portable Industrial Terminal
Surveillance Camera

Medical Device

For more information,
please contact: Marketing@fci.com
or visit us at www.amphenol-icc.com

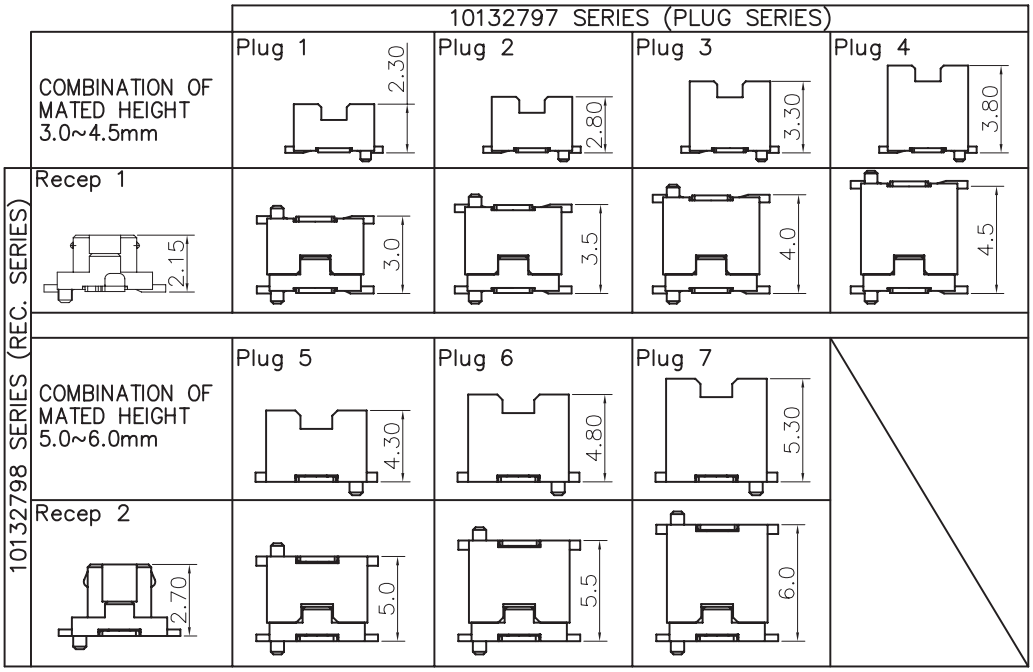
Disclaimer
Please note that the above information is subject to change without notice.

PART NUMBERS

Position	Description	Connector Height (mm)	Stack Height (mm)	Part Numbers
10	Plug 1	2.30	3.0	10132797-011100LF
10	Receptacle 1	2.15		10132798-011100LF
10	Plug 5	4.30	5.0	10132797-015100LF
10	Receptacle 2	2.70		10132798-012100LF
20	Plug 1	2.30	3.0	10132797-021100LF
20	Receptacle 1	2.15		10132798-021100LF
20	Plug 5	4.30	5.0	10132797-025100LF
20	Receptacle 2	2.70		10132798-022100LF
30	Plug 1	2.30	3.0	10132797-031100LF
30	Receptacle 1	2.15		10132798-031100LF
30	Plug 5	4.30	5.0	10132797-035100LF
30	Receptacle 2	2.70		10132798-032100LF

*For more sizes and configurations, please contact our Amphenol sales representatives.

AVAILABLE STACK HEIGHTS



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For more information,
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