

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



TARGET MARKETS



FEATURES

- 0.5mm double row contact
- Scoop-proof housings
- Metal hold-down option
- Locating pegs option
- 3mm to 6mm stack heights in 0.5mm increments
- 10 to 60 positions in 10 position increments
- Available in UL94 V0
- RoHS compliant and lead-free

BENEFITS

- High density connector
- Ensures terminals are not damaged during mating
- Higher retention force
- Eases manual assembly
- Wide range of sizes and stack heights supports different applications
- High flammability rating
- 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: 0.5A per contact
- Insulation Resistance: 500M Ω min.
- Voltage Rating: 50 VAC

ENVIRONMENTAL

- Salt Spray Test:
 - 5 \pm 1% salt concentration 48 \pm 4 hours 35 \pm 2 $^{\circ}$ C
- Thermal Shock: -65 $^{\circ}$ C to +125 $^{\circ}$ C
- High Temperature: 85 \pm 2 $^{\circ}$ C for 96 hours
- Humidity:
 - Temperature: 40 \pm 2 $^{\circ}$ 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



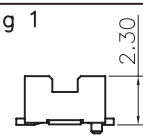
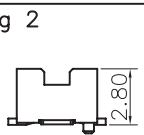
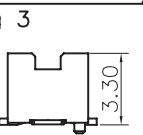
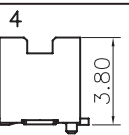
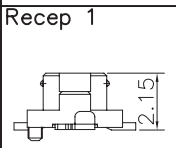
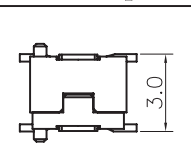
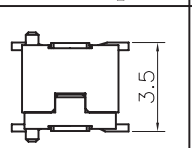
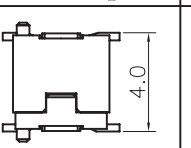
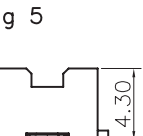
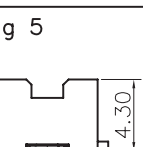
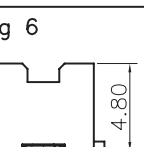
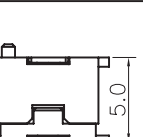
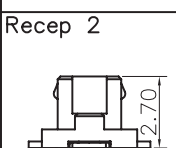
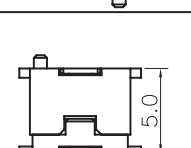
Medical Device

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

		10132797 SERIES (PLUG SERIES)			
10132798 SERIES (REC. SERIES)	COMBINATION OF MATED HEIGHT 3.0~4.5mm	 Plug 1 2.30	 Plug 2 2.80	 Plug 3 3.30	 Plug 4 3.80
	Recep 1	 3.0	 3.5	 4.0	 4.5
10132798 SERIES (REC. SERIES)	COMBINATION OF MATED HEIGHT 5.0~6.0mm	 Plug 5 4.30	 Plug 6 4.80	 Plug 7 5.30	/
	Recep 2	 5.0	 5.5	 6.0	