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 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
**BergStak® 0.5mm Mezzanine Connector**

## 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

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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

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
<th>Connector Height (mm)</th>
<th>Stack Height (mm)</th>
<th>Part Numbers</th>
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<td>2.30</td>
<td>3.0</td>
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*For more sizes and configurations, please contact our Amphenol sales representatives.

## AVAILABLE STACK HEIGHTS

### 10132797 SERIES (PLUG SERIES)

**COMBINATION OF MATED HEIGHT 3.0~4.5mm**

<table>
<thead>
<tr>
<th>Plug 1</th>
<th>Plug 2</th>
<th>Plug 3</th>
<th>Plug 4</th>
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</thead>
<tbody>
<tr>
<td>2.50</td>
<td>2.80</td>
<td>3.30</td>
<td>3.80</td>
</tr>
</tbody>
</table>

**Receptacle 1**

| 3.0    | 3.5    | 4.0    | 4.5    |

### 10132798 SERIES (REC. SERIES)

**COMBINATION OF MATED HEIGHT 5.0~6.0mm**

<table>
<thead>
<tr>
<th>Plug 5</th>
<th>Plug 6</th>
<th>Plug 7</th>
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</thead>
<tbody>
<tr>
<td>4.50</td>
<td>4.80</td>
<td>5.30</td>
</tr>
</tbody>
</table>

**Receptacle 2**

| 5.0    | 5.5    | 6.0    |

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