

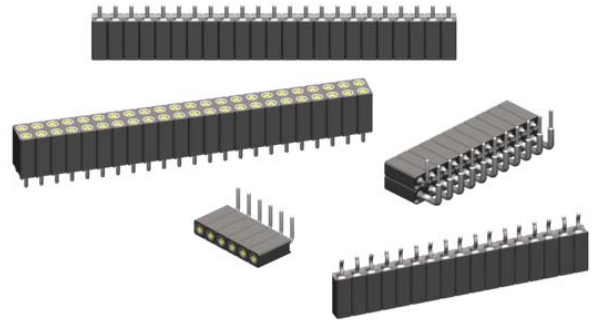


2,54mm pitch female header with precision „Jumbo Contact“ for board to board connections.

Accepts **square pins 0,65 x 0,65mm** max. (Pin Headers), as well as **round pins Ø 0,65 to 0,85mm** max.

7,00mm standard profile, and 4.50mm low profile available, other on request.

The stand-offs underneath the insulator, prevent the header from slanting during soldering.



|  |  |   |  |
|--|--|---|--|
| <p><b>4.50mm Profile</b><br/>single row -straight-</p> <p><b>BL1 - xxx - G109 - 95</b></p> | <p><b>7.00mm Profile</b><br/>single row -straight-</p> <p><b>BL1 - xxx - G700 - 95</b></p> | <p><b>Other available Terminals</b></p> <p><b>G065P press fit type</b><br/>For PCB thickness 1.50 to 2.00mm; plated-thru holes: Ø0,94 to 1,09mm</p> | <p><b>single row -right angle-</b></p> <p><b>BL1 - xxx - A700 - 95</b></p> |
| <p><b>4.50mm Profile</b><br/>dual row -straight-</p> <p><b>BL2 - xxx - G109 - 95</b></p>   | <p><b>7.00mm Profile</b><br/>dual row -straight-</p> <p><b>BL2 - xxx - G700 - 95</b></p>   | <p><b>G799 Clinched type</b><br/>off G700<br/>only for BL1 Series available</p>   | <p><b>dual row -right angle-</b></p> <p><b>BL2 - xxx - A700 - 95</b></p>   |

### Specifications

#### Mechanical data

|                                      |  |
|--------------------------------------|--|
| Insertion force (test probe Ø 0,66)  | 1,40 N (avg) if A700, G700 & G109<br>2,00 N (avg) if G065P<br>3,75 N (avg) if G799 |
| Extraction force (test probe Ø 0,66) | 0,25 N (avg) if A700, G700 & G109<br>1,00 N (avg) if G065P & G799                  |
| Contact life                         | > 100 cycles   |
| Operating temperature                | -55° C to +125° C  |

#### Material

|           |  |
|-----------|--|
| Insulator | (RoHS compliant) high temp plastic UL 94 V-O |
| Terminal  | (RoHS compliant) CuZn                        |
| Contact   | (RoHS compliant) BeCu                        |

#### Electrical data

|                        |                               |
|------------------------|-------------------------------|
| Insulation resistance  | 10 <sup>4</sup> MΩ min.       |
| Breakdown voltage      | 500 V AC for 1 minute         |
| Contact resistance     | 30 mΩ / contact max.          |
| Current rating         | 3 A max., 100V                |
| <b>Insertion depth</b> |                               |
| maximum                | depends on the Terminal style |
| minimum                | 4,00mm / .157"                |

### How to order

**BLX - xxx - X xxx - 95**

|   |   |  |  |   |
|---|---|--|--|---|
| <p><b>Series</b></p> <p><b>BL1</b> = single row...</p> <p><b>BL2</b> = dual row....</p> | <p><b>Nbr of contacts</b></p> <p>.....<b>002</b> to <b>050</b></p> <p><i>Note: 002 to 040 only available for G109 series</i></p> <p>.....<b>004</b> to <b>100</b></p> <p><i>Note: 004 to 080 only available for G109 series</i></p> | <p><b>Connector style</b></p> <p><b>G</b> = straight</p> <p><b>A</b> = right angle</p> | <p><b>Terminal Type</b></p> <p>pls. ref. to the drawings shown above</p> <p>“press fit” = 065P and “clinched” type = 799<br/><b>not</b> available for the <b>A</b> = right angle style</p> | <p><b>Plating</b></p> <p>- <b>95</b> = tin/gold (tin leadfree)</p> <p>others on request</p> |
|---|---|--|--|---|