



BergStik®

Product Presentation

Basics Portfolio



Agenda



1. Value Proposition
2. Product Overview
3. Product Specifications
4. Features & Benefits
5. Part Numbers
6. Markets & Applications
7. Marcomm Collaterals

Value Proposition

BergStik® solution is a **comprehensive** connectors product family with **2.54mm pitch** available in surface-mount, through-hole and Pin-in-Paste version with **single** and **double row**.

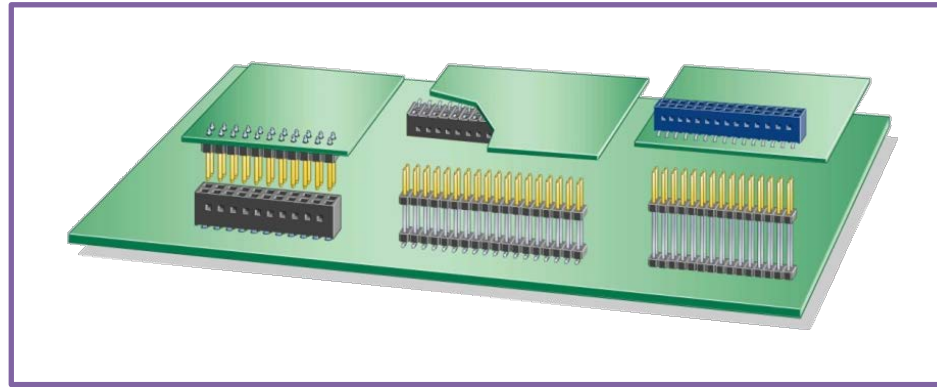
The solution includes also **straight** or **right-angle** orientation with to **2** to **72** positions.

Thanks to the “**breakaway**” design the BergStik® solution is **flexible** and **easy to use**, each connector can be cut or broken at the length needed.

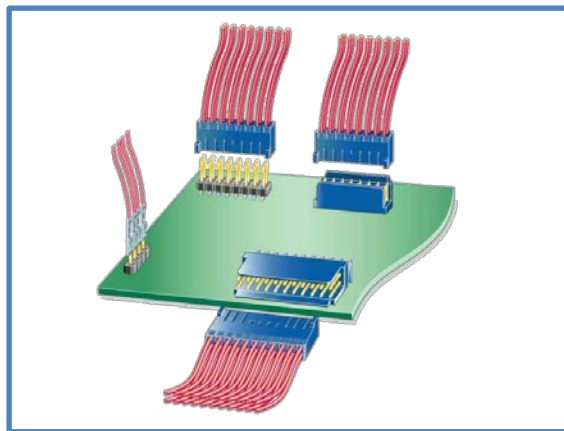
BergStik® solution can be used at 3A per contact as maximum current rating.

Solution Overview

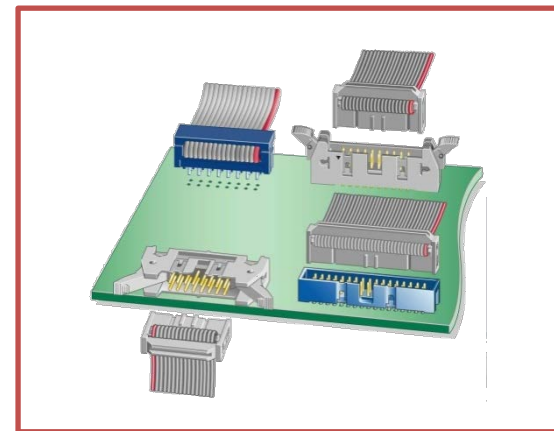
Board-to-Board



Wire-to-Board



Cable-to-Board



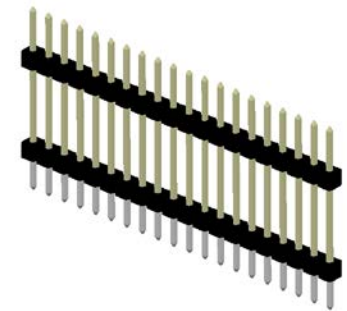
Solution Overview – Unshrouded headers

A comprehensive range:

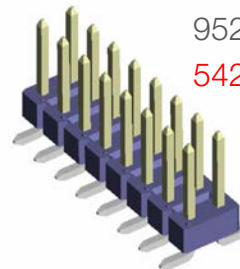
- Single body / double body
- Single row/ double row
- Straight/ right angle
- TMT/ SMT/ Pressfit/ PIP



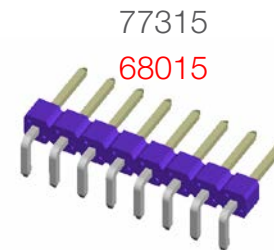
54242



54121



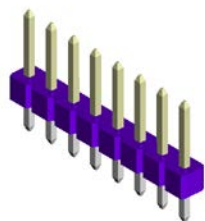
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54202



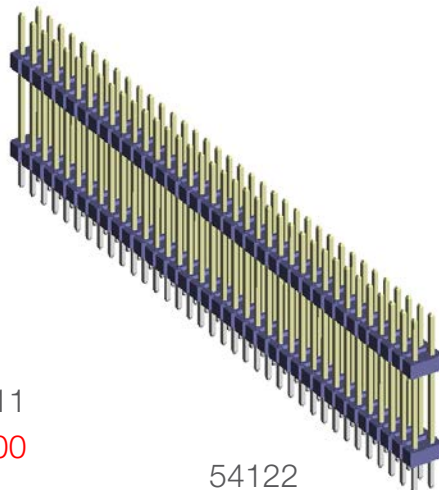
77315
68015



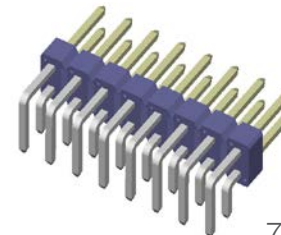
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54201



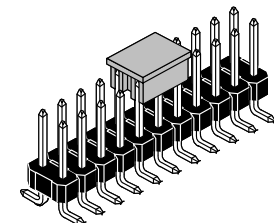
77311
68000



54122



77317
68020

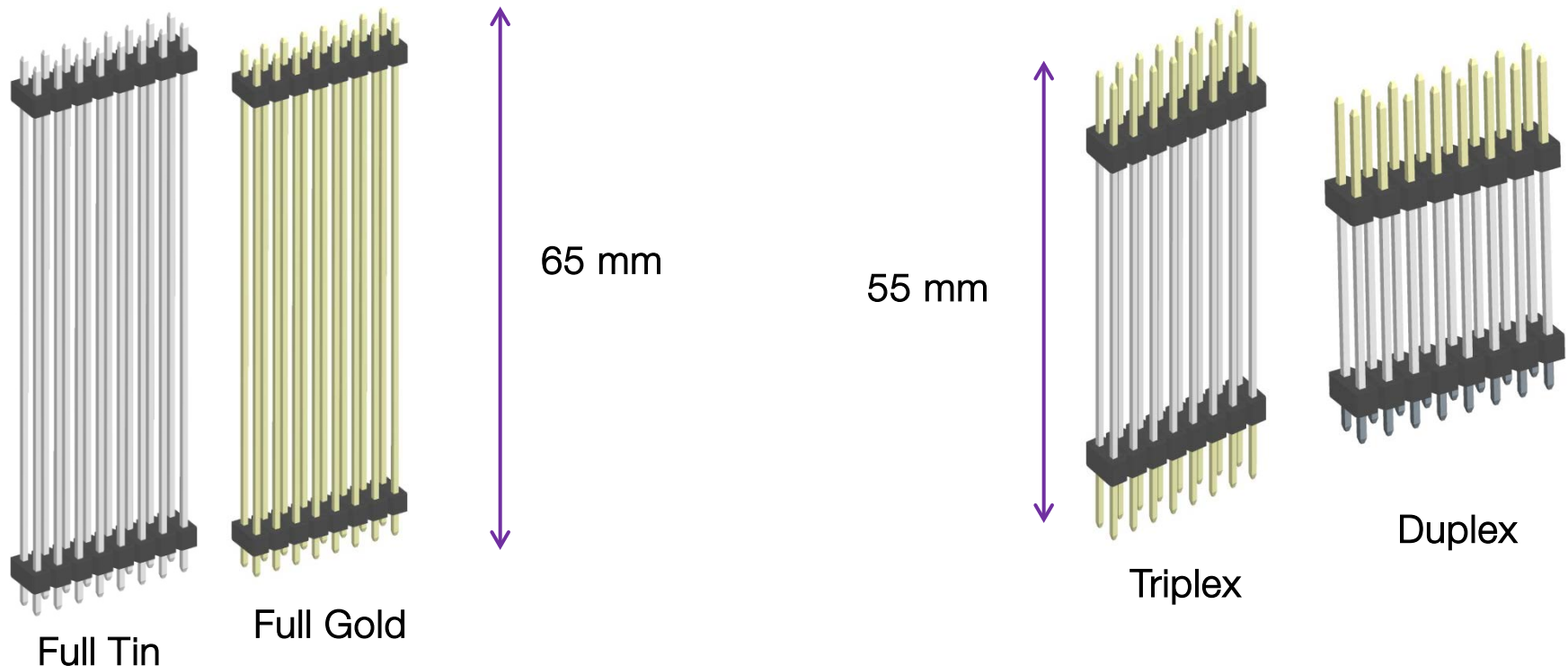


95278
54202

Solution Overview – Stacking Header Capabilities

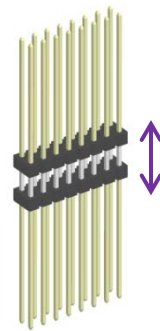
Max length 65mm – full plating – *Double row or Single row*

Max length 55mm – selective plating - *Double row or Single row*



Solution Overview – Stacking Header Capabilities

- Selective plating - *Double row or Single Row*
 - Stack height from 8mm min to OAL – 1.5mm (each side)



8mm 5.08



1.5 mm

1.5 mm

- Full plating – *Double Row or Single row*
 - Stack height from 5.08 mm min to OAL – 1.5mm (each side)



5.08 mm

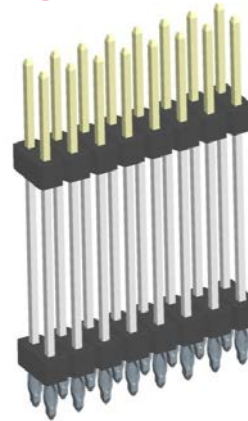


1.5 mm

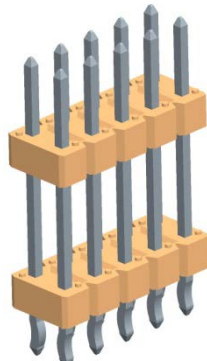
1.5 mm

Solution Overview – Stacking Header Capabilities

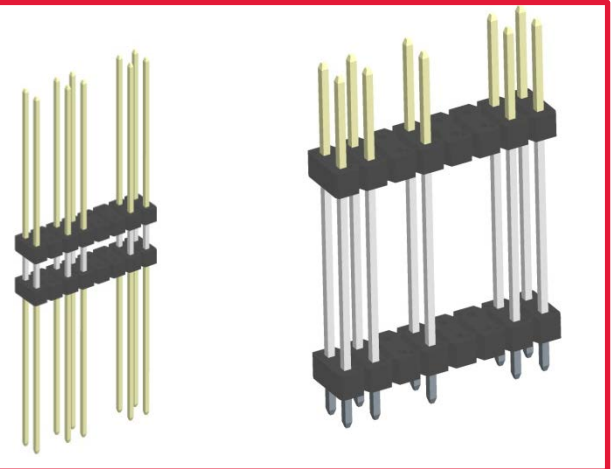
- Press fit possibilities
 - Double row
 - Single row



- Customs – Double or Single row
Retention Legs



Polarization (only by pairs)



Product Specifications – Stacking Headers

Product Facts

- Comprehensive headers variety in 0.5mm increments
- High Temperature performing plastic
- Selective Plating
- Variety of Positions:
 - 02 to 36 single row (TMT)
 - 04 to 72 double row (TMT)
 - 04 to 50 double row (SMT)

Electrical Performances

- Current Rating: 3A continuous
- Insulation Resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1500 V

Mechanical Performances

- PIN retention to housing: 9N min

Environmental

- Operating Temperature : -65~125°C

Technical Data

- Housing : High temperature black thermoplastic
- Flammability rating: UL94 V-0
- Pin: Phosphor-Bronze
- Plating: Gold or tin over 1.27μm (50μ") nickel

Specifications

- Application Specification: Cable and Connector Specification revision 1.0

Packaging

- Tape and Reel

Features & Benefits

Features	Benefits
High Temperature Performing Plastic	Reflow Compatible
Variable Spacing Height for Stacking Headers	Meets your specific needs
Suitable for dual entry connectors	Meets your specific needs and is usefull for Mezzanine Application
Drawn (not stamped) 0.64mm square wire presenting 4 equal quality surfaces	Can be used for wire wrapping
Stand_offs design	Allow cleaning to eliminate soldering contaminations
Duplex Plating	Cost efficient
Tin-Lead plating in press-fit area	Easy pin insertion on the PCB
Retention Legs Optional	Higher retention on your PCB
Press-fit designed to fit in the same 1.02mm diameter hole as the solder to board product	Same layout between TMT and Press Fit design
According to DIN 41651 specification, HE13 and BT D2632	Qualified product

Part Numbers – Part 1 of 2

	Straight	Straight PIP	Straight Polarized	R/A	R/A PIP	R/A Polarized	SMT	SMT Polarized
Single Row	77311/68000		77312					
	93689		73355					
				77315/68015	10082201	77316		
							95293/54201	98400
				10081811				
Single Row Double Body	54111							
	54121							

Part Numbers – Part 2 of 2

	Straight	Straight PIP	Straight Polarized	R/A	R/A PIP	R/A Polarized	SMT	SMT Polarized
Double Body	93690							
				10007607				
	77313/ 67996		77314					
		10076801						
				77317/6802 0	10082202	77318		
				77319		77320		
						10007607		
							95278/ 54202	73398
							98401	
								95293
Double Body and Double Row	54775							
							54242	
	54112							
	54122							

Main Markets & Applications

Industrial, Instrumentation & Medical



Communications market



Consumer market



Data market



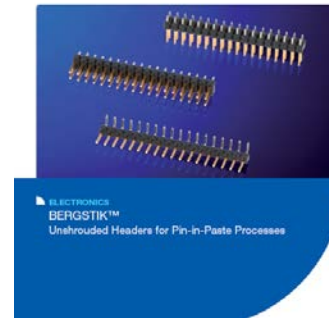
BergStik®

Marcomm Collaterals

Available on FCI.com:

- Brochure

- Technical Data Sheet



BOARD/WIRE-TO-BOARD
CONNECTORS



BERGSTIK™ UNSHROUDED HEADERS FOR PIN-IN-PASTE PROCESSES

OVERVIEW

BergStik™ is FCI's brand for pin headers in 2.54mm (0.100") pitch. The BergStik product range includes straight, right angle, surface mount and stacking headers. Three new series are now being added, dedicated to Pin-in-Paste soldering processes. This brochure gives additional information for the correct use of BergStik PIP connectors in the application process.



■ Part Numbers

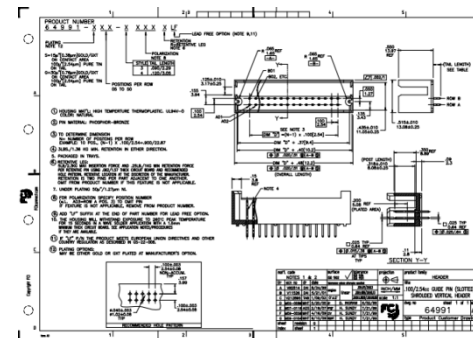
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[Search Again](#)

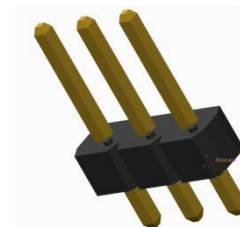
Only the first 220 best matching products out of 496 found products will be shown. Results 1 - 20 of 220. Result pages: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) >>

Part Number	Image	Status	Product Name
64991-G12-4		PRE-RELEASED	Vertical 2 Row Guide Pin Header 24 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating
64991-G18-4RLF		PRE-RELEASED	Vertical 2 Row Guide Pin Header 36 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating
64991-G28-4RLF		PRE-RELEASED	Vertical 2 Row Guide Pin Header 56 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating
64991-G37-4		PRE-RELEASED	Vertical 2 Row Guide Pin Header 74 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating
64991-G37-4LF		PRE-RELEASED	Vertical 2 Row Guide Pin Header 74 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating
64991-G43-4LF		PRE-RELEASED	Vertical 2 Row Guide Pin Header 88 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating
64991-G44-4RLF		PRE-RELEASED	Vertical 2 Row Guide Pin Header 88 Positions 2.54 mm Pitch 0.76 µm (30 µin.) Gold Mating plating

■ Drawings



■ 3D Views





THANK YOU

