



BergStak[®] 0.50mm

PRODUCT PRESENTATION

Basics Portfolio

Amphenol
FCi

BergStak[®] 0.50mm

Agenda

- Value Proposition
- Product Overview
- Product specifications
- Features & Benefits
- Part Numbers
- Market Applications
- Collaterals

BergStak[®] 0.50mm

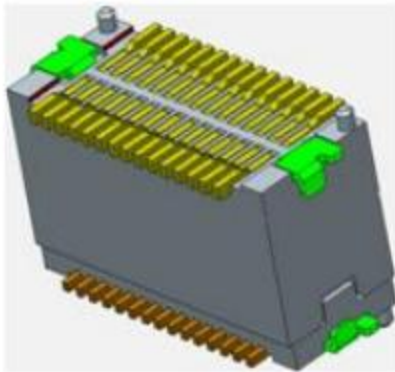
Value Proposition

- BergStak[®] 0.35mm is a comprehensive and versatile solution designed for high-density application able to cover all the needs.
- The BergStak[®] 0.5mm includes stack heights from 3 to 6mm in 0.5mm increments and positions from 10 to 60 in 10 position increments.
- The unique design of BergStak[®] 0.5mm solution ensure terminals are not damaged during the mating thanks to Scoop-proof housings and makes this solution Suitable for High density and parallel board stacking applications to satisfy all customer needs.

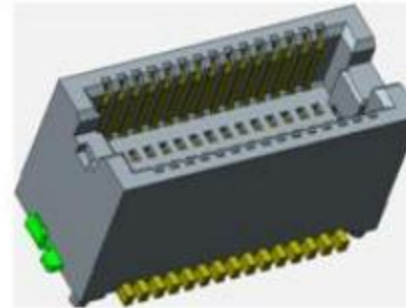
BergStak[®] 0.50mm

Product Overview

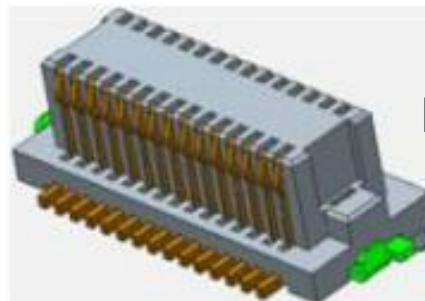
Intermating Overview



Plug Overview



Receptacle Overview



BergStak[®] 0.50mm

Product Specifications

Product Facts

- 10 to 60 position sizes in 10 increments
- 3mm to 6mm height in 0.5mm increments
- Vertical VS vertical mating configuration
- 0.5mm double-row contact pitch
- Scoop-proof housings
- Multiple plating options available
- Multiple packaging options available
- RoHS compliant and lead-free
- PCB locator pegs option

Performance Characteristics

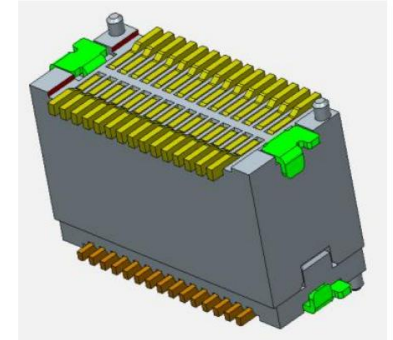
- Durability: 50 cycles
- Mating Force: 1.47N max./contact
- Retention Force: 0.15N max./contact
- High Temperature Life: 85c+/-5c for 96 hours
- Humidity: 90-95% relative Humidity for 96 hours
- Insulation Resistance: 500MΩ min.
- Current Rating: 0.3A/contact
- Voltage Rating: 50VAC
- Low-level Contact Resistance: 50mΩ max.

Specifications

- Pitch: 0.5mm
- Pin Count: From 10 to 60 pos
- PCB Termination: SMT
- Header Direction: Vertical
- Specifications: UL Pending

Performance Characteristics

- Housing: Thermoplastic UL94V-0
- Terminal: Copper Alloy
- Hold Down: Copper Alloy



BergStak® 0.50mm

Features & Benefits

Features	Benefits
<ul style="list-style-type: none">▪ 10 to 60 position sizes in 10 position increments▪ 3mm to 6mm stack heights in 0.5mm increments	<ul style="list-style-type: none">▪ Wide range of sizes and stack heights to support different applications
<ul style="list-style-type: none">▪ Vertical VS vertical mating configuration	<ul style="list-style-type: none">▪ Suitable for parallel board stacking applications
<ul style="list-style-type: none">▪ 0.5mm double-row contact pitch conserves printed circuit board space	<ul style="list-style-type: none">▪ High density application
<ul style="list-style-type: none">▪ Scoop-proof housings	<ul style="list-style-type: none">▪ Ensure terminals are not damaged during mating
<ul style="list-style-type: none">▪ Available in UL94 V-0 flammability rated LCP	<ul style="list-style-type: none">▪ High flammability rating
<ul style="list-style-type: none">▪ PCB locator pegs option	<ul style="list-style-type: none">▪ Enables easy manual assembly
<ul style="list-style-type: none">▪ Metal hold down option	<ul style="list-style-type: none">▪ Ensures more retention force
<ul style="list-style-type: none">▪ RoHS compliant and Lead-free	<ul style="list-style-type: none">▪ Meets environmental, health and safety requirements.

BergStak® 0.50mm

Part Numbers

Description	Part Number
10 positioning, 2 .3mm height plug connector	10132797-011100LF
10 positioning, 4.3mm height plug connector	10132797-015100LF
20 positioning, 2 .3mm height plug connector	10132797-021100LF
20 positioning, 4.3mm height plug connector	10132797-025100LF
30 positioning, 2 .3mm height plug connector	10132797-031100LF
30 positioning, 4.3mm height plug connector	10132797-035100LF
10 positioning, 2.15mm height receptacle connector	10132798-011100LF
10 positioning, 2.7mm height receptacle connector	10132798-012100LF
20 positioning, 2.15mm height receptacle connector	10132798-021100LF
20 positioning, 2.7mm height receptacle connector	10132798-022100LF
30 positioning, 2.15mm height receptacle connector	10132798-031100LF
30 positioning, 2.7mm height receptacle connector	10132798-032100LF

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Main Markets & Applications

- Consumer
 - Digital Video Camera
- Industrial & Instrumentation
 - Point of Sales Equipment
 - Mobile Payment Device
 - Surveillance Camera
 - Portable Industrial Terminal
 - Test Equipment
 - Measurement Equipment
- Medical
 - Medical Device



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Collaterals

- Available on AFCI:
 - Technical Datasheet

BERGSTAK® 0.5MM MEZZANINE CONNECTOR
Expanded product range

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RELIABLE SOLUTION FOR HIGH DENSITY APPLICATIONS

AFCI'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 housings ensures terminals are not damaged during the 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
- 5mm 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



THANK YOU

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