

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0556500588](#)
Status: **Active**
Overview: SlimStack Board-to-Board/Board-to-FPC Connectors
Description: 0.50mm Pitch SlimStack Plug, Surface Mount, Dual Row, Vertical, 2.00mm Stack Height, with Solder Tab, 50 Circuits

Documents:

3D Model	Packaging Specification SPK-55650-001-001 (PDF)
3D Model (PDF)	Packaging Specification SPK-55650-001-002 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-54363-046-001 (PDF)	

General

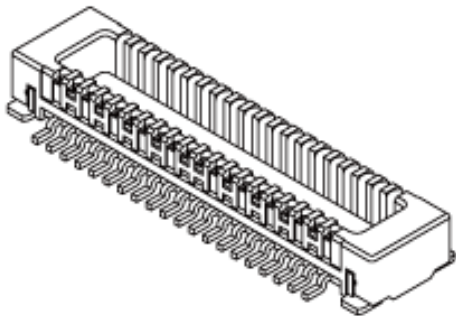
Product Family	PCB Headers
Series	55650
Application	Board-to-Board, Signal
Overview	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
Series Name	0.5, BB H2
UPC	822348292691

Physical

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height	2.00mm
Mated Width	6.00mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	100.200/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.254µm
Plating min - Termination	0.102µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.5A
-------------------------------	------



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[55650](#) Series

Mates With

[54363](#) PCB Receptacle

Voltage - Maximum

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-55650-001-001, SPK-55650-001-002

Product Specification

PS-54363-046-001

Sales Drawing

SD-55650-013-001, SD-55650-014-001

This document was generated on 01/24/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

55650-0588