



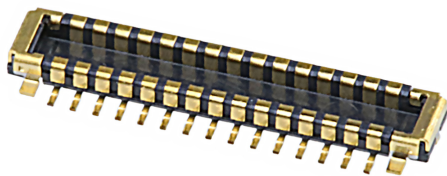
Part Number : [5050703042](#)

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 30 Circuits, Armor Nail, 0.25mm Fitting Nail Width

Series Number : 505070

Status : Active

Product Category : Board-to-Board Connectors



## Documents & Resources

### Drawings

[5050703042\\_sd.pdf](#)

### 3D Models and Design Files

[5050703042.dxf](#)

[5050703042.pdf](#)

[5050703042\\_stp.zip](#)

### Specifications


[5050660000-A06.pdf](#)

[5050709200-203.pdf](#)

[5050660000-015.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	505070
Description	SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.60 or 0.70mm Mated Height, 2.00mm Mated Width, 30 Circuits, Armor Nail, 0.25mm Fitting Nail Width
Series Name	0.35, SSB RP
Application	Board-to-Board
Component Type	PCB Header
Product Name	SlimStack
UPC	191128261739

### Electrical

Current - Maximum per Contact	0.3A, 3.0A
Voltage - Maximum	50V AC (RMS)/DC

### Physical

Breakaway	No
Circuits (Loaded)	30
Circuits (maximum)	30
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Mated Height	0.60mm, 0.70mm

Mated Width	2.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	8.688/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.35mm
Pitch - Termination Interface	0.35mm
Plating min - Mating	0.100µm
Plating min - Termination	0.050µm
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
0.35mm Pitch SlimStack Board-to-Board Receptacles	<u>505066</u>
0.35mm Pitch SlimStack Board-to-Board Receptacles	<u>505270</u>

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