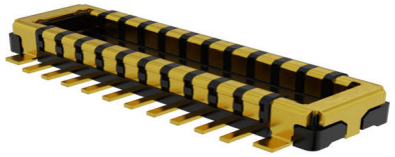
Part Number : 5052742042
Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.80 Mated Height, 2.00mm Mated Width, 20 Circuits, Armor Nail, 0.25mm Fitting Nail Width
Series Number : 505274
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

5052742042_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

5052742042.dxf

Specifications

5052700000-A01.pdf

5052749200SPK-200.pdf

5052700003-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	0.35, SSB RP
Description	SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 0.80 Mated Height, 2.00mm Mated Width, 20 Circuits, Armor Nail, 0.25mm Fitting Nail Width
Application	Board-to-Board
Component Type	Plug
Product Name	SlimStack
UPC	191128462143

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	30

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Glow-Wire Capable	No
Mated Height	0.80mm
Mated Width	2.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer (LCP)
Net Weight	7.710/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

Mates With / Use With

Mates with Part(s)

Description	Part Number
SlimStack Board-to-Board Receptacle, 0.35mm Pitch, SSB RP Series, 0.70 or 0.80mm Mated Height, 2.00mm Mated Width, 20 Circuits, Armor Nail	5052702012

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