molex

Part Number : 5054173410

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 1.00mm Mated Height, 2.00mm Mated Width, 34 Circuits, Armor Nail

Series Number : 505417

Status : Active

Product Category : Board-to-Board Connectors

Documents & Resources

Drawings
Drawing 5054173410_sd.pdf

3D Models and Design Files
3D Model 5054173410_stp.zip

Specifications
Packaging Specification 5054179200-200.pdf
Product Specification 5054130000-001.pdf
Product Specification 5054130000-A00.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(2023)8585-DC (23 Jan 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

Part Details

General

Status	Active
Category	Board-to-Board Connectors
Series	505417
Description	SlimStack Board-to-Board Plug, 0.35mm Pitch, SSB RP Series, 1.00mm Mated Height, 2.00mm Mated Width, 34 Circuits, Armor Nail
Series Name	0.35, SSB RP
Application	Board-to-Board
Component Type	PCB Header
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	889056306904

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	34
Circuits (maximum)	34
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Mated Height	1.00mm
Mated Width	2.00mm
Material - Metal	Copper Alloy

Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	13.390/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
0.35mm Pitch SlimStack Board-to-Board Receptacles	505413

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