Part Number : 559090774
Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 70 Circuits
Series Number : 55909
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

559090774_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

559090774.dxf

Specifications

SPK-55909-001-001.pdf

PS-500913-001-001.pdf

PS-51338-002-001.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

Downloaded from Arrow.com.

Compliance Statements

- EU RoHS
- REACH SVHC
- 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	0.4, J-Bend
Description	SlimStack Board-to-Board Plug, 0.40mm Pitch, J-Bend Series, 0.20µm Gold (Au) Plating, 1.50 or 1.80mm Mated Height, 3.40 or 4.20mm Mated Width, 70 Circuits
Application	Board-to-Board
Comments	Solder Tab Plating: Tin
Component Type	Plug
Product Name	SlimStack
UPC	822348176212

Electrical

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

Physical

Breakaway	No

Downloaded from Arrow.com.

Circuits (Loaded)	70
Circuits (maximum)	70
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	1.50mm, 1.80mm
Mated Width	3.40mm, 4.20mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	61.090/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.40mm Pitch SlimStack Board-to-Board Receptacles	500913
0.40mm Pitch Vertical SlimStack Receptacles	51338

Downloaded from Arrow.com.