Part Number : 528851274
Product Description : SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 120 Circuits
Series Number : 52885
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

528851274_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

SPK-52885-001-001.pdf

527600000-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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

Downloaded from Arrow.com.

- 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	0.635, Rigid
Description	SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, with Vacuum Pick-Up Area, 120 Circuits
Application	Board-to-Board
Comments	Stacking-Type
Component Type	Receptacle
Product Name	SlimStack
UPC	822348246205

Agency

UL	E29179

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	100V

Downloaded from Arrow.com.

Physical

Circuits (Loaded)	120
Circuits (maximum)	120
Color - Resin	Natural
Durability (mating cycles max)	50
Glow-Wire Capable	No
Lock to Mating Part	No
Mated Height	10.00mm, 6.00mm, 7.00mm, 8.00mm, 9.00mm
Mated Width	6.40mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1343.848/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm min
Pitch - Mating Interface	0.635mm
Plating min - Mating	0.254µm
Plating min - Termination	2.032µm
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	2
Max-Temp	250

Downloaded from Arrow.com.

Mates With / Use With

Mates with Part(s)

Description	Part Number
0.635mm Pitch Vertical SlimStack Plugs	53625
0.635mm Pitch Vertical SlimStack Plugs	53627
0.635mm Pitch Vertical SlimStack Plugs	53647
0.635mm Pitch Vertical SlimStack Plugs	53649
0.635mm Vertical SlimStack Plugs	55091

Downloaded from Arrow.com.