Part Number : 459712385
Product Description : 1.27mm Pitch, SEARAY Receptacle, 160 Circuits, 6.60mm Unmated Height, 8 Rows, with Pegs, Solder Charge Lead-Free
Series Number : 45971
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

459712385_sd.pdf

PK-45971-002-001.pdf

459700004REVA-000.pdf

459700004REVA-000.zip

Specifications

AS-45970-001-001.pdf

AS-45970-002-001.pdf

AS-45970-990-001.pdf

PS-45970-001-001.pdf

PS-45970-002-001.pdf

TS-45970-001-001.pdf

TS-45970-002-001.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(2024)7663-DC (21 Jan 2025)

EU RoHS	Compliant per EU 2015/863

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	45971
Description	1.27mm Pitch, SEARAY Receptacle, 160 Circuits, 6.60mm Unmated Height, 8 Rows, with Pegs, Solder Charge Lead-Free
Application	Board-to-Board, Signal, Mezzanine
Component Type	PCB Receptacle
Product Name	SEARAY
UPC	883906234072

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	2.7A

Grounding to PCB	No
Voltage - Maximum	240V AC

Physical

Circuits (Loaded)	160
Circuits (maximum)	160
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.170/g
Number of Rows	8
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Stackable	No
Temperature Range - Operating	-55° to +125°C
Termination Interface Style	Surface Mount
Unmated Height	6.60mm

Solder Process Data

Max-Duration	3
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
1.27mm Pitch, SEARAY Plugs	45970