

**Part Number: 46557-7247**

Image not available

Status: Contact Molex
Series: [46557](#)
Category: PCB Receptacles
Overview: [SEARAY*](#)

Series image - Reference only

Mates With Part(s):
[46556](#) Searay* Slim Plug Connector

Part Detail**General**

Status	Contact Molex
Category	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Overview	SEARAY*
Product Name	SEARAY*

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold, Nickel
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Rows	4
Orientation	Vertical
PC Tail Length	1.60mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.18mm
Packaging Type	Embossed Tape on Reel
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
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
Unmated Height	6.00mm

Electrical**(Please review the Product Specification for specific details.)**

Current - Maximum per Contact	2.7A
Grounding to PCB	No
Voltage - Maximum	240V AC

Agency Certification

CSA	LR19980
UL	E29179

Solder Process Data

Duration at Max. Process Temperature (seconds)	60
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230
Replacement RoHS Compliant Part Number	0465577245

Material Info

UPC	883906530587
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Reference - Drawing Numbers

Application Specification
Product Specification
Sales Drawing
Test Summary

AS-45970-001, AS-45970-002, AS-45970-990
PS-45970-001
SD-46557-001
TS-45970-001, TS-45970-002

Application Tooling

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling

[Check our list of old tooling that used to be available for this part](#)