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Part Number: [46557-5545](#)
Status: **Active**
Overview: [SEARAY* Plugs, Receptacles and Copper Flex Assemblies](#)
Description: SEARAY* Slim Receptacle, 200 Circuits, 8.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-45970-001 \(PDF\)](#)
[Application Specification AS-45970-001 \(PDF\)](#)
[Application Specification AS-45970-002 \(PDF\)](#)
[Application Specification AS-45970-990 \(PDF\)](#)
[Test Summary TS-45970-001 \(PDF\)](#)
[Test Summary TS-45970-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

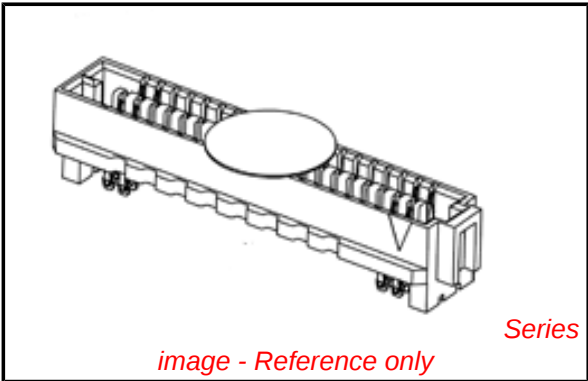
CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [46557](#)
Application Board-to-Board, Signal
Electrical Model Yes
Overview [SEARAY* Plugs, Receptacles and Copper Flex Assemblies](#)
Product Name SEARAY*
UPC 883906529765

Physical

Circuits (Loaded) 200
Circuits (maximum) 200
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
Material - Resin High Temperature Thermoplastic
Net Weight 3.929/g
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



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[46557Series](#)

Mates With
[46556](#) SEARAY* Slim Plug Connector

Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	8.50mm

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Application Specification	AS-45970-001, AS-45970-002, AS-45970-990
Electrical Model Document	EE-45970-010
Product Specification	PS-45970-001
S-Parameter Model	SP-45970-010
Sales Drawing	SD-46557-001
Test Summary	TS-45970-001, TS-45970-002

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