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Part Number: [0465577247](#)
Status: **Active**
Overview: [searay](#)
Description: 1.27mm (.050") by 1.27mm (.050") Pitch SEARAY* Slim Receptacle, 100 Circuits, 6.00mm (.236") Unmated Height, 4 Rows, With Pegs, Solder Charge™

Documents:

- | | |
|--|--|
| 3D Model | Application Specification AS-45970-990 (PDF) |
| Drawing (PDF) | Test Summary TS-45970-001 (PDF) |
| Product Specification PS-45970-001 (PDF) | Test Summary TS-45970-002 (PDF) |
| Application Specification AS-45970-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-45970-002 (PDF) | |

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	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 (.063")
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.18mm (.086")
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.27mm (.050")
Pitch - Termination Interface	1.27mm (.050")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	2.540µm (100µ")
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

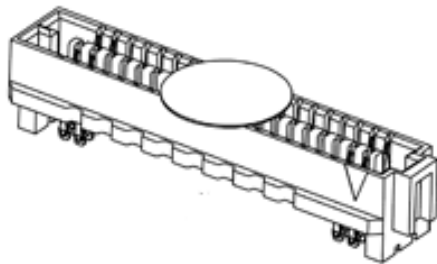


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Series

EU RoHS

Not RoHS Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Reviewed

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

Electrical

Current - Maximum per Contact	1A
Grounding to PCB	No
Voltage - Maximum	240V AC

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

Reference - Drawing Numbers

Application Specification	AS-45970-001, AS-45970-002, AS-45970-990
Product Specification	PS-45970-001
Sales Drawing	SD-46557-001
Test Summary	TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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