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Part Number: [0465572545](#)
Status: **Active**
Overview: [searay](#)
Description: 1.27mm by 1.27mm Pitch SEARAY* Slim Receptacle, 80 Circuits, 8.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

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

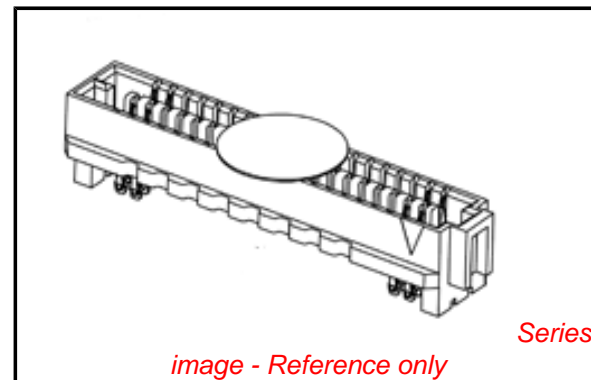
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|------------------------|
| Product Family | PCB Receptacles |
| Series | 46557 |
| Application | Board-to-Board, Signal |
| Overview | searay |
| Product Name | SEARAY* |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 80 |
| Circuits (maximum) | 80 |
| 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 |
| 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 |



EU RoHS

ELV and 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

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
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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