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Part Number: [46557-4345](#)
Status: **Active**
Overview: [SEARAY*](#)
Description: 1.27mm by 1.27mm Pitch SEARAY* Slim Receptacle, 160 Circuits, 6.50mm 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

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

General

| | |
|----------------|-------------------------|
| Product Family | PCB Receptacles |
| Series | 46557 |
| Application | Board-to-Board, Signal |
| MolexKits | Yes |
| Overview | SEARAY* |
| Product Name | SEARAY* |
| UPC | 800756832586 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 160 |
| Circuits (maximum) | 160 |
| 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 | 2.160/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 |
| Stackable | No |

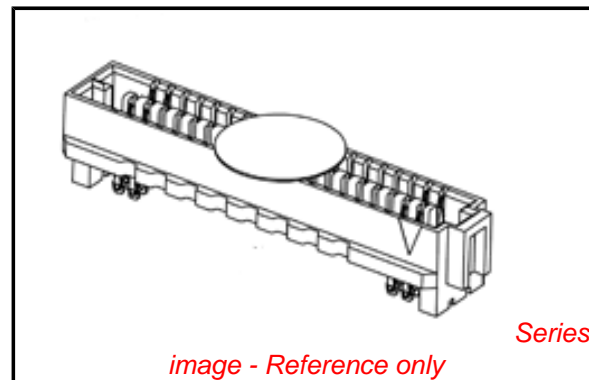


image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

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

| | |
|--------------------------------|-----------------|
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55°C to +125°C |
| Termination Interface: Style | Through Hole |
| Unmated Height | 6.50mm |

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 |

*SEARAY is a trademark of Samtec, Inc.

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