



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 |
|-----|--------------|

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](#)