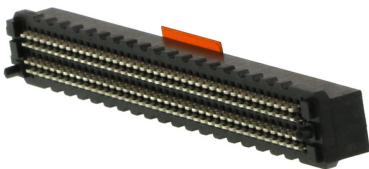




Part Number : [465574145](#)
Product Description : SEARAY Slim Receptacle, 160 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free
Series Number : 46557
Status : Active
Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[465574145_sd.pdf](#)
[PK-45971-002-001.pdf](#)

3D Models and Design Files


[465574145_stp.zip](#)
[EE-45970-010-010.pdf](#)
[EE-46556-0085-001.pdf](#)
[SP-45970-010-010.zip](#)
[SP-46556-0085-001.zip](#)
[SYM-46557-4145-001.zip](#)

Specifications

[AS-45970-001-001.pdf](#)
[AS-45970-002-001.pdf](#)
[AS-45970-990-001.pdf](#)
[PS-45970-001-001.pdf](#)
[TS-45970-001-001.pdf](#)
[TS-45970-002-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | Board-to-Board Connectors |
| Series | 46557 |
| Description | SEARAY Slim Receptacle, 160 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | SEARAY |
| UPC | 883906136864 |

Agency

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

Electrical

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

Physical

| | |
|-------------------|-----|
| Circuits (Loaded) | 160 |
|-------------------|-----|

| | |
|--------------------------------|--------------------------------|
| Circuits (maximum) | 160 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | Yes |
| Lock to Mating Part | No |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1.962/g |
| Number of Rows | 4 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 2.18mm |
| 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 |
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface Style | Surface Mount |
| Unmated Height | 5.00mm |

Solder Process Data

| | |
|------------------------------|--------|
| Max-Duration | 20 |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle | 3 |

| | |
|----------|-----|
| Max-Temp | 260 |
|----------|-----|

Mates With / Use With

Mates with Part(s)

| | |
|-------------------|--------------|
| Description | Part Number |
| Searay Slim Plugs | <u>46556</u> |