



**Part Number :** [465574345](#)

**Product Description :** SEARAY Slim Receptacle, 160 Circuits, 6.50mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free

**Series Number :** 46557

**Status :** Active

**Product Category :** Board-to-Board Connectors

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## Documents and Resources

### Drawings

[465574345 sd.pdf](#)

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

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-46557-4345-001.zip](#)

[EE-45970-010-010.pdf](#)

[SP-45970-010-010.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](#)

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## Product Environment Compliance

### Compliance

|            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS | Not Relevant                                                                                            |
| China RoHS |  per SJ/T 11365-2006 |

|                    |                                                |
|--------------------|------------------------------------------------|
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                 |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS            | Compliant per EU 2015/863                      |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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**Part Details**

**General**

|                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                  |
| Category       | Board-to-Board Connectors                                                                               |
| Series         | 46557                                                                                                   |
| Description    | SEARAY Slim Receptacle, 160 Circuits, 6.50mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free |
| Application    | Board-to-Board, Mezzanine                                                                               |
| Component Type | Receptacle                                                                                              |
| Product Name   | SEARAY                                                                                                  |
| UPC            | 800756832586                                                                                            |

**Agency**

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

## Electrical

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.7A    |
| 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                     | 2.160/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 | 6.50mm |
|----------------|--------|

**Solder Process Data**

|                              |        |
|------------------------------|--------|
| Max-Duration                 | 20     |
| Lead-Free Process Capability | REFLOW |
| Max-Cycle                    | 3      |
| Max-Temp                     | 260    |

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**Mates With / Use With**

**Mates with Part(s)**

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