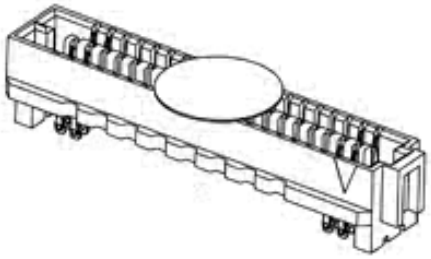
**Part Number :** 465574245
**Product Description :** SEARAY Slim Receptacle, 160 Circuits, 6.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free
**Series Number :** 46557
**Status :** Active
**Product Category :** Board-to-Board Connectors



## Documents and Resources

### Drawings

465574245_sd.pdf

PK-45971-002-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

SYM-46557-4245-001.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

## 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, 6.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free |
| Application | Board-to-Board, Signal, Mezzanine |
| Component Type | Receptacle |
| Product Name | SEARAY |
| UPC | 883906530518 |

### 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 | 2.171/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 | 8.00mm |

### 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 | 46556 |