

Part Number : 465564145

Series Number : 46556

Product Category : Board-to-Board
Connectors

Product Description : Searay Slim Plug, 160 Circuits, 2.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free

Status : Active

Documents & Resources

Drawings

Drawing 465564145_sd.pdf

Packaging Design Drawing PK-45970-002-001.pdf

3D Models and Design Files

3D Model 465564145_stp.zip

Electrical Model Document EE-45970-010-010.pdf

S-Parameter Model SP-45970-010-010.zip

Symbol Footprint Data SYM-46556-4145-001.zip

Specifications

Application Specification AS-45970-002-001.pdf

Application Specification AS-45970-990-001.pdf

Application Specification AS-45970-001-001.pdf

Product Specification PS-45970-001-001.pdf

Product Specification TS-45970-001-001.pdf

Test Summary 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(2023)3788-DC (14 Jun 2023) |
| 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 | 46556 |
| Description | Searay Slim Plug, 160 Circuits, 2.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free |
| Application | Board-to-Board, Signal |
| Component Type | PCB Header |
| Product Family | SEARAY and SEARAY Slim Mezzanine Family |
| Product Name | SEARAY |
| UPC | 800756842844 |

Agency

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

Electrical

| | |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.7A |
| Voltage - Maximum | 240V AC |

Physical

| | |
|--------------------|-----|
| Breakaway | No |
| Circuits (Loaded) | 160 |
| Circuits (maximum) | 160 |

| | |
|--------------------------------|--------------------------------|
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | None |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.179/g |
| Number of Rows | 4 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 1.27mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 0.762µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Robotic Placement | Pick and Place Cap |
| Shrouded | No |
| Stackable | No |
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface Style | Surface Mount |
| Unmated Height | 2.00mm |

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 Receptacles | <u>46557</u> |

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