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Part Number: [0465572145](#)
Status: **Active**
Overview: SEARAY and SEARAY Slim Mezzanine Family
Description: SEARAY Slim Receptacle, 80 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free

Documents:

| | |
|------------------------------------------------------------------|------------------------------------------------------------------|
| 3D Model | Application Specification AS-45970-002-001 (PDF) |
| Drawing (PDF) | Application Specification AS-45970-990-001 (PDF) |
| Product Specification PS-45970-001-001 (PDF) | Packaging Specification PK-45971-002 (PDF) |
| Product Specification TS-45970-001-001 (PDF) | Packaging Specification RPK-45971-009 (PDF) |
| Product Specification TS-45970-002-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-45970-001-001 (PDF) | |

Agency Certification

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

General

| | |
|------------------|---------------------------------------------------------|
| Product Family | PCB Receptacles |
| Series | 46557 |
| Application | Board-to-Board, Signal |
| Electrical Model | Yes |
| Overview | SEARAY and SEARAY Slim Mezzanine Family |
| Product Name | SEARAY |
| UPC | 800756911830 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 80 |
| Circuits (maximum) | 80 |
| 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 | 1.069/g |
| Number of Rows | 4 |
| Orientation | Vertical |
| 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) | Yes |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2018 (15
January 2018)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[46557](#) Series

Mates With

[46556](#) SEARAY Slim Plug

| | |
|-------------------------------|----------------|
| Temperature Range - Operating | -55° to +125°C |
| Termination Interface: Style | Surface Mount |
| Unmated Height | 5.00mm |

Electrical

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

Solder Process Data

| | |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 020 |
| Lead-free Process Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 003 |
| Process Temperature max. C | 260 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|---------------------------------------------------------|
| Application Specification | AS-45970-001-001, AS-45970-002-001, AS-45970-990-001 |
| Electrical Model Document | EE-45970-010, EE-46556-0085 |
| Packaging Specification | PK-45971-002, RPK-45971-009 |
| Product Specification | PS-45970-001-001, TS-45970-001-001, TS-45970-002-001 |
| S-Parameter Model | SP-45970-010, SP-46556-0085 |
| Sales Drawing | SD-46557-001 |
| Symbol/Footprint Data | SYM-46557-2145 |

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