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**Part Number:** [0465577345](#)  
**Status:** **Active**  
**Overview:** SEARAY and SEARAY Slim Mezzanine Family  
**Description:** SEARAY Slim Receptacle, 100 Circuits, 6.60mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>   | <a href="#">Application Specification AS-45970-002-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Application Specification AS-45970-990-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-45971-002-001 (PDF)</a>   |
| <a href="#">Product Specification PS-45970-001-001 (PDF)</a>     | <a href="#">Test Summary TS-45970-002-001 (PDF)</a>              |
| <a href="#">Product Specification TS-45970-001-001 (PDF)</a>     | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Application Specification AS-45970-001-001 (PDF)</a> |  |

**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Receptacles   |
| Series         | <a href="#">46557</a>                                   |
| Application    | Board-to-Board, Signal                                  |
| Overview       | <a href="#">SEARAY and SEARAY Slim Mezzanine Family</a> |
| Product Name   | SEARAY  |
| UPC            | 883906117528  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 100                            |
| Circuits (maximum)             | 100                            |
| 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                     | 1.430/g                        |
| Number of Rows                 | 4                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| 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                            |
| Temperature Range - Operating  | -55° to +125°C                 |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[46557](#) Series

**Mates With**

[46556](#) SEARAY Slim Plug

Termination Interface: Style Surface Mount  
Unmated Height 6.60mm

**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-freeProcess 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  
Packaging Specification PK-45971-002-001  
Product Specification PS-45970-001-001, TS-45970-001-001  
Sales Drawing SD-46557-001-001  
Test Summary TS-45970-002-001

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