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**Part Number:** [0465574345](#)  
**Status:** **Active**  
**Overview:** [SEARAY and SEARAY Slim Mezzanine Family](#)  
**Description:** SEARAY Slim Receptacle, 160 Circuits, 6.50mm 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="#">Symbol Footprint Data SYM-46557-4345-001 (PDF)</a>   |
| <a href="#">Application Specification AS-45970-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

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

**General**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| Product Family   | PCB Receptacles                                         |
| Series           | <a href="#">46557</a>                                   |
| Application      | Board-to-Board, Signal                                  |
| Electrical Model | Yes                                                     |
| Overview         | <a href="#">SEARAY and SEARAY Slim Mezzanine Family</a> |
| Product Name     | SEARAY                                                  |
| UPC              | 800756832586                                            |

**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                       |
| 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                            |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | 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                                 | 6.50mm                                                  |
| <b>Electrical</b>                              |                                                         |
| Current - Maximum per Contact                  | 2.7A                                                    |
| Grounding to PCB                               | No                                                      |
| Voltage - Maximum                              | 240V AC                                                 |
| <b>Solder Process Data</b>                     |                                                         |
| Duration at Max. Process Temperature (seconds) | 020                                                     |
| Lead-freeProcess Capability                    | REFLOW                                                  |
| Max. Cycles at Max. Process Temperature        | 003                                                     |
| Process Temperature max. C                     | 260                                                     |
| <b>Material Info</b>                           |                                                         |
| <b>Reference - Drawing Numbers</b>             |                                                         |
| Application Specification                      | AS-45970-001-001, AS-45970-002-001,<br>AS-45970-990-001 |
| Electrical Model Document                      | EE-45970-010-010                                        |
| Packaging Specification                        | PK-45971-002-001                                        |
| Product Specification                          | PS-45970-001-001, TS-45970-001-001                      |
| S-Parameter Model                              | SP-45970-010-010                                        |
| Sales Drawing                                  | SD-46557-001-001                                        |
| Symbol/Footprint Data                          | SYM-46557-4345-001                                      |
| Test Summary                                   | TS-45970-002-001                                        |

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