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Part Number:

0459713385

Status:

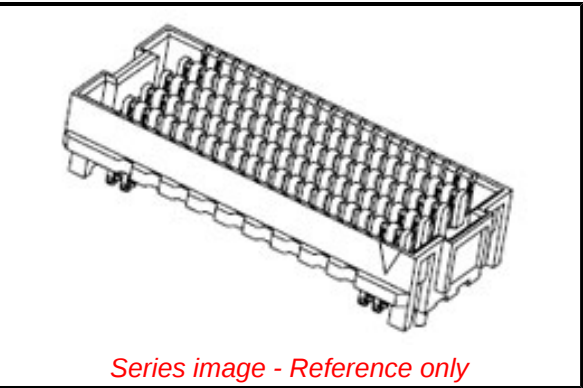
Active

Overview:

SEARAY and SEARAY Slim Mezzanine Family

Description:

1.27mm Pitch, SEARAY Receptacle, 240 Circuits, 6.50mm Unmated Height, 8 Rows, with Pegs, Solder Charge Lead-Free



|                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                       |                                                                  |
| <a href="#">3D Model</a>                                         | <a href="#">Application Specification AS-45970-990-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-45970-002-001 (PDF)</a>   |
| <a href="#">Product Specification PS-45970-001-001 (PDF)</a>     | <a href="#">Packaging Specification PK-45971-001 (PDF)</a>       |
| <a href="#">Product Specification PS-45970-002-001 (PDF)</a>     | <a href="#">Packaging Specification PK-45971-002 (PDF)</a>       |
| <a href="#">Product Specification TS-45970-002-001 (PDF)</a>     | <a href="#">Packaging Specification RPK-45971-009 (PDF)</a>      |
| <a href="#">Application Specification AS-45970-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Application Specification AS-45970-002-001 (PDF)</a> |                                                                  |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Agency Certification           |                                         |
| CSA                            | LR19980                                 |
| UL                             | E29179                                  |
| General                        |                                         |
| Product Family                 | PCB Receptacles                         |
| Series                         | 45971                                   |
| Application                    | Board-to-Board, Signal                  |
| Electrical Model               | Yes                                     |
| Overview                       | SEARAY and SEARAY Slim Mezzanine Family |
| Product Name                   | SEARAY                                  |
| UPC                            | 883906034535                            |
| Physical                       |                                         |
| Circuits (Loaded)              | 240                                     |
| Circuits (maximum)             | 240                                     |
| Color - Resin                  | Black                                   |
| Durability (mating cycles max) | 100                                     |
| Flammability                   | 94V-0                                   |
| Glow-Wire Capable              | No                                      |
| Guide to Mating Part           | No                                      |
| Keying to Mating Part          | None                                    |
| Lock to Mating Part            | No                                      |
| Material - Metal               | Copper Alloy                            |
| Material - Plating Mating      | Gold                                    |
| Material - Plating Termination | Tin                                     |
| Material - Resin               | High Temperature Thermoplastic          |
| Net Weight                     | 3.079/g                                 |
| Number of Rows                 | 8                                       |
| 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                                      |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/61/2018 (27 June 2018)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

45971 Series

Mates With

45970 SEARAY Plug

|                                                |                                                                |
|------------------------------------------------|----------------------------------------------------------------|
| Surface Mount Compatible (SMC)                 | Yes                                                            |
| 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) | 003                                                            |
| Lead-freeProcess Capability                    | REFLOW                                                         |
| Max. Cycles at Max. Process Temperature        | 001                                                            |
| 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                                                   |
| Packaging Specification                        | PK-45970-002-001, PK-45971-001, PK-45971-002,<br>RPK-45971-009 |
| Product Specification                          | PS-45970-001-001, PS-45970-002-001,<br>TS-45970-002-001        |
| S-Parameter Model                              | SP-45970-010                                                   |
| Sales Drawing                                  | SD-45971-001                                                   |
| Symbol/Footprint Data                          | SYM-45971-3385                                                 |

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