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Part Number:

0465577145

Status:

Active

Overview:

SEARAY and SEARAY Slim Mezzanine Family

Description:

SEARAY Slim Receptacle, 100 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

800756931661

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

1.292/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

China RoHS

REACH SVHC

Not Contained Per -  
ED/61/2018 (27 June  
2018)

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                                 | 5.00mm                                                  |
| <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, EE-46556-0085                             |
| Packaging Specification                        | PK-45971-002, RPK-45971-009                             |
| Product Specification                          | PS-45970-001-001, TS-45970-001-001,<br>TS-45970-002-001 |
| S-Parameter Model                              | SP-45970-010, SP-46556-0085                             |
| Sales Drawing                                  | SD-46557-001                                            |
| Symbol/Footprint Data                          | SYM-46557-7145                                          |

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