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Part Number:

46556-2147

Status:

Active

Overview:

SEARAY\* Slim

Description:

1.27mm by 1.27mm Pitch SEARAY\* Slim Plug, 80 Circuits, 2.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™

- Documents:
- 3D Model

Application Specification AS-45970-990 (PDF)
- Drawing (PDF)

Test Summary TS-45970-001 (PDF)
- Product Specification PS-45970-001 (PDF)

Test Summary TS-45970-002 (PDF)
- Application Specification AS-45970-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Application Specification AS-45970-002 (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

46556

Application

Board-to-Board, Signal

Overview

SEARAY\* Slim

Product Name

SEARAY\*

UPC

883906482527

Physical

Breakaway

No

Circuits (Loaded)

80

Circuits (maximum)

80

Color - Resin

Black

Durability (mating cycles max)

100

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

Yes

Keying to Mating Part

None

Lock to Mating Part

None

Material - Metal

Copper Alloy

Material - Plating Mating

Gold

Material - Plating Termination

Tin-Lead

Material - Resin

High Temperature Thermoplastic

Net Weight

1.166/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

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Robotic Placement

Pick and Place Cap

Shrouded

No

Stackable

No

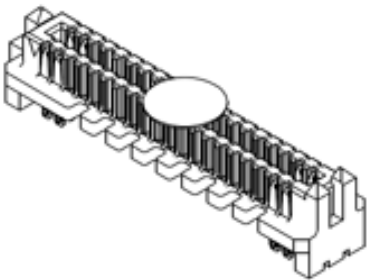


image - Reference only

Series

EU RoHS

Not RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

46556Series

Mates With

46557 SEARAY\* Slim Receptacles

|                                |                 |
|--------------------------------|-----------------|
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -55°C to +125°C |
| Termination Interface: Style   | Surface Mount   |
| Unmated Height                 | 5.61mm          |

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.7A    |
| Voltage - Maximum             | 240V AC |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 60                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 1                         |
| Process Temperature max. C                     | 230                       |
| Replacement RoHS Compliant Part Number         | 0465562145                |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                          |
|---------------------------|------------------------------------------|
| Application Specification | AS-45970-001, AS-45970-002, AS-45970-990 |
| Electrical Model Document | EE-45970-010                             |
| Product Specification     | PS-45970-001                             |
| S-Parameter Model         | SP-45970-010_REVA                        |
| Sales Drawing             | SD-46556-001                             |
| Test Summary              | TS-45970-001, TS-45970-002               |

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