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Part Number:

46557-2345

Status:

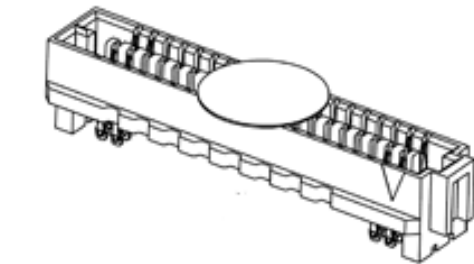
Active

Overview:

SEARAY\* Plugs, Receptacles and Copper Flex Assemblies

Description:

SEARAY\* Slim Receptacle, 80 Circuits, 6.50mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free



Series

image - Reference only

- 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 Receptacles

Series

46557

Application

Board-to-Board, Signal

Electrical Model

Yes

Overview

SEARAY\* Plugs, Receptacles and Copper Flex Assemblies

Product Name

SEARAY\*

UPC

800756931654

Physical

Circuits (Loaded)

80

Circuits (maximum)

80

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Glow-Wire Compliant

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

1.187/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

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

China RoHS



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

46557Series

Mates With

46556 SEARAY\* Slim Plug

|                                |                 |
|--------------------------------|-----------------|
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -55°C to +125°C |
| Termination Interface: Style   | Surface Mount   |
| Unmated Height                 | 6.50mm          |

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.7A    |
| Grounding to PCB              | No      |
| Voltage - Maximum             | 240V AC |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 20                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

**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                             |
| Sales Drawing             | SD-46557-001                             |
| Test Summary              | TS-45970-001, TS-45970-002               |

\*SEARAY is a trademark of Samtec, Inc.