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Part Number:

46557-4547

Status:

Active

Overview:

SEARAY*

Description:

1.27mm by 1.27mm Pitch SEARAY* Slim Receptacle, 160 Circuits, 8.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Tin-Lead

- 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

Overview

SEARAY*

Product Name

SEARAY*

UPC

883906530556

Physical

Circuits (Loaded)

160

Circuits (maximum)

160

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

No

Material - Metal

Copper Alloy

Material - Plating Mating

Gold, Nickel

Material - Plating Termination

Tin-Lead

Material - Resin

High Temperature Thermoplastic

Net Weight

3.205/g

Number of Rows

4

Orientation

Vertical

PC Tail Length

1.60mm

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

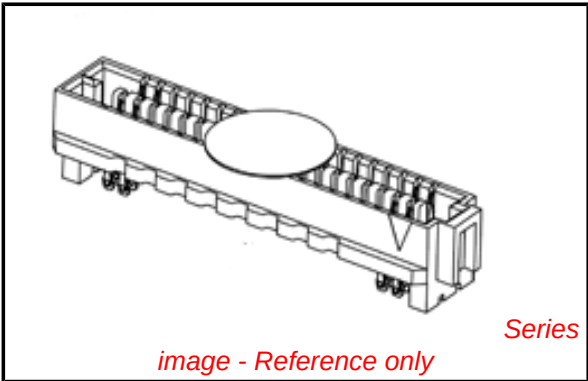
Pick and Place Cap

Stackable

No

Surface Mount Compatible (SMC)

No



EU RoHS

Not RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS

50

Need more information on product environmental compliance?

Email 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 Connector

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
Unmated Height	8.50mm

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	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	0465574545

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-46557-001
Test Summary	TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.