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Part Number:

46556-4347

Status:

Active

Overview:

SEARAY* Slim

Description:

1.27mm by 1.27mm Pitch SEARAY* Slim Plug, 160 Circuits, 3.50mm Unmated Height, 4 Rows, with Pegs, Solder Charge™

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45970-001 (PDF)

Application Specification AS-45970-002 (PDF)

Application Specification AS-45970-990 (PDF)

Test Summary TS-45970-002 (PDF)

RoHS Certificate of Compliance (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

883906482657

Physical

Breakaway

No

Circuits (Loaded)

160

Circuits (maximum)

160

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

2.383/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

Surface Mount Compatible (SMC)

Yes

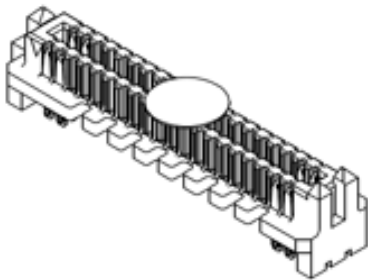


image - Reference only

Series

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

46556Series

Mates With

46557 SEARAY* Slim Receptacles

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	7.11mm

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	0465564345

Material Info

Reference - Drawing Numbers

Application Specification	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-45970-002

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