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Part Number:

46556-2345

Status:

Active

Overview:

SEARAY* Slim

Description:

SEARAY* Slim Plug, 80 Circuits, 3.50mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

- 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

Electrical Model

Yes

MolexKits

Yes

Overview

SEARAY* Slim

Product Name

SEARAY*

UPC

800756931647

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

Material - Resin

High Temperature Thermoplastic

Net Weight

1.291/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

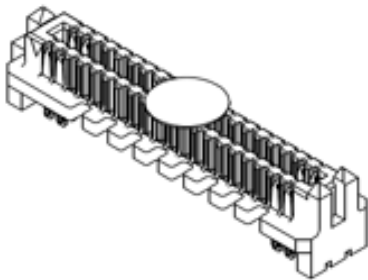


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen



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

Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
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)	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
S-Parameter Model	SP-45970-010
Sales Drawing	SD-46556-001
Test Summary	TS-45970-001, TS-45970-002

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[46556-2345](#)