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Part Number:

0459714115

Status:

Active

Overview:

Description:

1.27mm Pitch, SEARAY Receptacle, 400 Circuits, 5.00mm Unmated Height, 10 Rows, with Pegs, Solder Charge Lead-Free

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Receptacles

Series

45971

Application

Board-to-Board, Signal

Electrical Model

Yes

Overview

searay

Product Name

SEARAY

UPC

883906236168

Physical

Circuits (Loaded)

400

Circuits (maximum)

400

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Glow-Wire Capable

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

No

Material - Metal

Copper Alloy

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

4.392/g

Number of Rows

10

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

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)

Yes

Temperature Range - Operating

-55° to +125°C

Termination Interface: Style

Surface Mount

Unmated Height

5.00mm

Electrical

Current - Maximum per Contact

2.7A

Grounding to PCB

No

Voltage - Maximum

240V AC

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
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Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

45971 Series

Mates With

45970 SEARAY Plug

Solder Process Data

Duration at Max. Process Temperature (seconds)	003
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Application Specification	AS-45970-001-001, AS-45970-002-001, AS-45970-990-001
Electrical Model Document	EE-45970-010-010, EE-46556-0085-001
Packaging Specification	PK-45971-002-001
Product Specification	PS-45970-001-001, PS-45970-002-001, TS-45970-001-001
S-Parameter Model	SP-45970-010-010, SP-46556-0085-001
Sales Drawing	SD-45971-001-001
Symbol/Footprint Data	SYM-45971-4115-001
Test Summary	TS-45970-002-001

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