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Part Number:

0459703385

Status:

Active

Overview:

Description:

1.27mm Pitch, SEARAY Plug, 240 Circuits, 3.50mm Unmated Height, 8 Rows, with
Pegs, Solder Charge Lead-Free

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

45970

Application

Board-to-Board, Signal

Electrical Model

Yes

Overview

searay

Product Name

SEARAY

Taxonomy

Board-to-Board Connectors

UPC

883906034528

Physical

Breakaway

No

Circuits (Loaded)

240

Circuits (maximum)

240

Color - Resin

Black

Durability (mating cycles max)

100

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Capable

No

Guide to Mating Part

Yes

Keying to Mating Part

Yes

Lock to Mating Part

None

Material - Metal

Copper Alloy

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

3.044/g

Number of Rows

8

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

Shrouded

No

Stackable

No

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-55° to +125°C

Termination Interface: Style

Surface Mount

Unmated Height

3.50mm

Electrical

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

45970 Series

Mates With

45971 SEARAY Receptacle

Current - Maximum per Contact	2.7A
Voltage - Maximum	240V AC
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-45970-007-007, EE-45970-010-010, EE-45970-015-015, EE-46556-0085-001
Packaging Specification	PK-45970-002-001
Product Specification	PS-45970-001-001, PS-45970-002-001, TS-45970-001-001
S-Parameter Model	SP-45970-007-001, SP-45970-010-010, SP-45970-015-015
Sales Drawing	SD-45970-001-001
Symbol/Footprint Data	SYM-45970-3385-001
Test Summary	TS-45970-0007-001, TS-45970-002-001

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