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Part Number: [0459714515](#)
Status: **Active**
Overview:
Description: 1.27mm Pitch, SEARAY Receptacle, 400 Circuits, 8.00mm 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
Component Type	PCB Receptacle
Electrical Model	Yes
Overview	searay
Product Name	SEARAY
Taxonomy	Board-to-Board Connectors
UPC	883906237387

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	7.125/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	8.00mm

Electrical

Current - Maximum per Contact	2.7A
Grounding to PCB	No

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

[45971](#) Series

Mates With

[45970](#) SEARAY Plug

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-45970-010-010
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
Sales Drawing SD-45971-001-001
Symbol/Footprint Data SYM-45971-4515-001
Test Summary TS-45970-002-001

This document was generated on 01/04/2023

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