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Part Number: [0459712385](#)
Status: **Active**
Overview: SEARAY and SEARAY Slim Mezzanine Family
Description: 1.27mm Pitch, SEARAY Receptacle, 160 Circuits, 6.60mm Unmated Height, 8 Rows, with Pegs, Solder Charge Lead-Free

Documents:

Drawing (PDF)	Packaging Specification PK-45971-001 (PDF)
Product Specification PS-45970-001-001 (PDF)	Packaging Specification PK-45971-002-001 (PDF)
Product Specification PS-45970-002-001 (PDF)	Packaging Specification RPK-45971-009 (PDF)
Application Specification AS-45970-001 (PDF)	Test Summary TS-45970-002-001 (PDF)
Application Specification AS-45970-002-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-45970-990-001 (PDF)	

Agency Certification

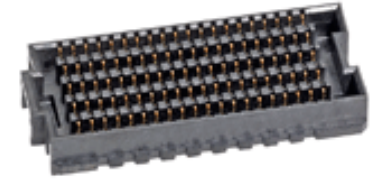
CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	45971
Application	Board-to-Board, Signal
Overview	SEARAY and SEARAY Slim Mezzanine Family
Product Name	SEARAY
UPC	883906234072

Physical

Circuits (Loaded)	160
Circuits (maximum)	160
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	2.170/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
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +125°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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

Termination Interface: Style	Surface Mount
Unmated Height	6.60mm

Electrical

Current - Maximum per Contact	2.7A
Grounding to PCB	No
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, AS-45970-002-001, AS-45970-990-001
Electrical Model Document	459700004REVA-000
Packaging Specification	PK-45971-001, PK-45971-002-001, RPK-45971-009
Product Specification	PS-45970-001-001, PS-45970-002-001
Sales Drawing	SD-45971-001-001
Test Summary	TS-45970-002-001

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