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Part Number:	**45971-3383**
Status:	**Active**
Overview:	SEARAY*
Description:	1.27mm by 1.27mm Pitch SEARAY* Receptacle, 240 Circuits, 6.50mm Unmated Height, 8 Rows, with Pegs, Solder Charge™ Lead

Documents:

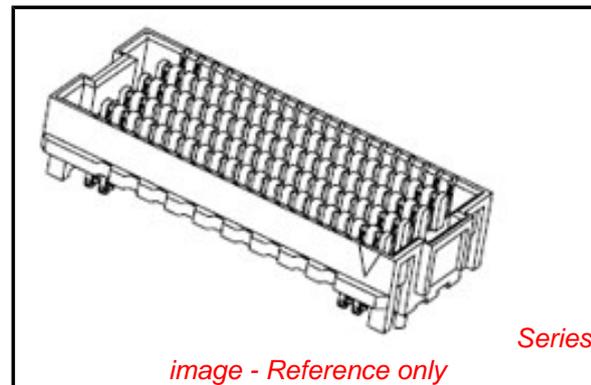|	
3D Model	Application Specification AS-45970-002 (PDF)
Drawing (PDF)	Application Specification AS-45970-990 (PDF)
Product Specification PS-45970-001 (PDF)	Test Summary TS-45970-001 (PDF)
Product Specification PS-45970-002 (PDF)	Test Summary TS-45970-002 (PDF)
Application Specification AS-45970-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	45971
Application	Board-to-Board, Signal
Overview	SEARAY*
Product Name	SEARAY*
UPC	822350724982

Physical

Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	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	Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	3.127/g
Number of Rows	8
Orientation	Vertical
PC Tail Length	2.18mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
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

Series
image - Reference only

EU RoHS   **China RoHS**

Not RoHS Compliant

REACH SVHC
Not Reviewed
Low-Halogen Status
Low-Halogen

50

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
45971Series

Mates With
45970 SEARAY* Plug

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	6.50mm

Electrical

Current - Maximum per Contact	2.7A
Grounding to PCB	No
Voltage - Maximum	240V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230
Replacement RoHS Compliant Part Number	0459713381

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, PS-45970-002
S-Parameter Model	SP-45970-010_REVA
Sales Drawing	SD-45971-001
Test Summary	TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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