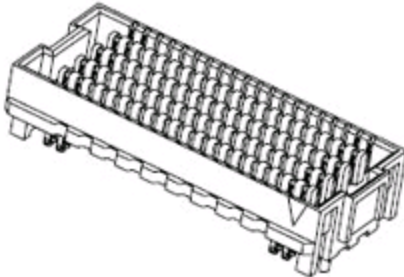


Home: PCB Receptacles >

Part Number: 45971-3180

SEARAY\* Receptacle, 240 Circuits, 5.00mm Unmated Height, 8 Rows, Solder Charge™ Lead-Free



Series image - Reference only

Status:OBSELETE

Replacement:45971-3181

Series:45971

Category:PCB Receptacles

Overview:SEARAY\* Plugs, Receptacles and Copper Flex Assemblies

CHECK DISTRIBUTOR INVENTORY

Add to My Parts

Email this page

Go to **Part Detail**

Mates With Part(s):  
[45970](#) SEARAY\* Plug

Product Environmental Compliance

EU ELV:Product not active

EU RoHS:Product not active

EU RoHS Phthalates:Product not active

China RoHS:

REACH SVHC:Product not active

Low-Halogen Status:Product not active

PDF

EU RoHS Certificate of Compliance (PDF)

PDF

Multiple Part Product Compliance Statements  
EU RoHS, REACH SVHC, & Low-Halogen

PDF

Multiple Part Industry Compliance Documents

\*IPC 1752A Class C

\*IPC 1752A Class D

\*Molex Product Compliance Declaration

Questions on Product Environmental Compliance? Email[ProductCompliance@molex.com](mailto:ProductCompliance@molex.com)  
Request Molex's CMRT from [conflictminerals@molex.com](mailto:conflictminerals@molex.com)

Application Tooling

FAQ

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling  
[Check our list of old tooling that used to be available for this part](#)

Part Detail

COLLAPSE ALL

General

Status	Obsolete
Category	PCB Receptacles
Series	<a href="#">45971</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SEARAY* Plugs, Receptacles and Copper Flex Assemblies</a>
Product Name	SEARAY*
Trademark Attribution	*SEARAY is a trademark of Samtec, Inc.
UPC	800756786124

Physical

Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	100
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	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.764/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	No
Robotic Placement	Pick and Place Cap
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount

Electrical

(Please review the Product Specification for specific details.)

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

PRODUCTS

Antennas

Application Tooling

Cable Assemblies

Connected Lighting

Connectors

Copper Flex

Electrical Products

Industrial Automation

Membrane Switches

Optical Solutions

Printed Electronic Solutions

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