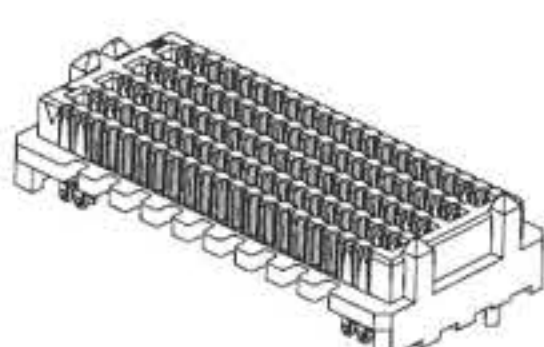


[Home: PCB Headers](#)

Part Number: 45970-3180

SEARAY® Plug, 300 Circuits, 2.00mm Unmated Height, 8 Rows, Lead-Free



Series image - Reference only

Status:	OBSOLETE
Replacement:	NONE

**Series:** [45970](#)  
**Category:** PCB Headers  
**Overview:** [SEARAY® Plugs, Receptacles](#)  
[and Conner Flex Assemblies](#)

[Go to Part Detail](#) CHECK DISTRIBUTOR INVENTORY

 [Add to My Parts](#)

 [Email this page](#)

**Mates With Part(s):**  
45971 SEAPAY\* Receptacle

### Specifications & Other Documents:

Note - Please disable browser pop-up blockers to view documents on [www.mox.com](http://www.mox.com)

## Product Environmental Compliance

Questions on Product Environmental Compliance? Email [productcompliance@mglex.com](mailto:productcompliance@mglex.com)

EU ELY: Not Reviewed  
EU RoHS: Not Reviewed  
China RoHS: Not Reviewed  
REACH SVHC: Not Reviewed  
Low-Halogen Status: Not Reviewed

 RoHS Certificate of Compliance (PDF)

 Multiple Part Product Compliance Form

### Part Detail

COLLAPSE ALL

▼ General

Status	Obsolete
Category	PCB Headers
Series	<a href="#">45970</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SEARAY* Plugs, Receptacles and Copper Flex Assemblies</a>
Product Name	SEARAY*
Trademark Credit	*SEARAY is a trademark of Samtec, Inc.
UPC	800756785509

## ▼ Physical

Breakaway	No
Circuits (Loaded)	300
Circuits (maximum)	300
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	8
Orientation	Vertical
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
Shrouded	No
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
Voltage - Maximum	240V AC

## ▼ Material Info

## Molex Connectors

- Wire-to-Board
- Board-to-Board
- Wire-to-Wire
- Input/Output (IO)
- FFC/FPC
- Sockets

## Other Products

Other Products:  
Optical Solutions:  
Antennas  
Industrial Automation  
Membrane Switches  
Copper Flex  
PCB Assemblies  
Woodhead Electrical  
Solid State Lighting  
Application Tooling  
Noise Suppression Sheets

## Resources

Resources  
Contact Us  
Catalog  
Cross-Reference  
Industries  
Literature  
Product Name

### Company Info

- Company Info
- About Us
- California Supply Chains Act
- Careers
- Compliance
- ecocare
- Investors
- Press Room
- Shows & Events
- Supplier Portal

### Other Info

[Feedback](#)  
[Help](#)  
[Legal Disclaimer](#)  
[Trademarks](#)  
[View Mobile Site](#)  
[Privacy Policy](#)  
[Sitemap](#)

Stay Connected with Molex:

