

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Status:	Obsolete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 Copper Flex Assemblies

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Mates With Part(s):

[45971](#) SEARAY® Receptacle

Specifications & Other Documents:

Note - Please disable browser pop-up blockers to view documents on www.molex.com.

Product Environmental Compliance

Questions on Product Environmental Compliance? Email productcompliance@molex.com

[EU ELV](#): 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

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 Headers
Series	45970
Application	Board-to-Board, Signal
Overview	SEARAY® Plugs, Receptacles and Copper Flex Assemblies
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

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Board-to-Board

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