Home: PCB Headers >

Part Number: 45970-2511

SEARAY® Plug, 200 Circuits, 4.50mm Unmated Height, 10 Rows, Lead-Free

Series image - Reference only
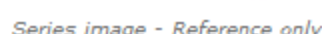
Status:	**OBSOLETE**
Replacement:	Contact Molex
Series:	45970
Category:	PCB Headers
Overview:	SEARAY® Plugs, Receptacles and Copper Flex Assemblies

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Mates With Part(s):
45971 SEARAY® Receptacle

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

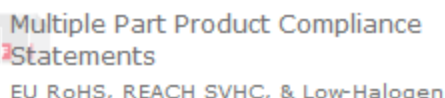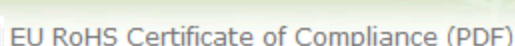### Product Environmental Compliance

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

EU RoHS Certificate of Compliance (PDF)

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

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
Request Molex's CMRT from conflictminerals@molex.com

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 Attribution	*SEARAY is a trademark of Samtec, Inc.
UPC	883906606640

▼ Physical

Breakaway	No
Circuits (Loaded)	200
Circuits (maximum)	200
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
Net Weight	4.042/g
Number of Rows	10
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

▼ Solder Process Data

Solderability Shelf Life Statement

Duration at Max. Process Temperature (seconds)	003
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

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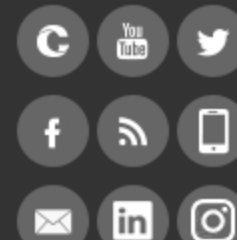Membrane Switches
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