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Part Number:

0459703715

Status:

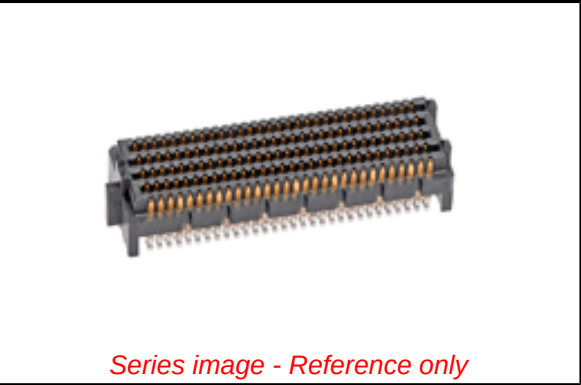
Active

Overview:

SEARAY* Plugs, Receptacles and Copper Flex Assemblies

Description:

SEARAY* Plug, 300 Circuits, 7.00mm Unmated Height, 10 Rows, with Pegs, Solder Charge™ Lead-Free



Series image - Reference only

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

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	45970
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Product Name	SEARAY*
UPC	883906027049
Physical	
Breakaway	No
Circuits (Loaded)	300
Circuits (maximum)	300
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	7.134/g
Number of Rows	10
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
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

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series
[45970](#) Series

Mates With
[45971](#) SEARAY* Receptacle

Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	7.00mm
Electrical	
Current - Maximum per Contact	2.7A
Voltage - Maximum	240V AC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	003
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-45970-002, AS-45970-990
Electrical Model Document	EE-45970-007, EE-45970-010, EE-45970-015
Product Specification	PS-45970-001, PS-45970-002
S-Parameter Model	SP-45970-007, SP-45970-010, SP-45970-015
Sales Drawing	SD-45970-001
Symbol/Footprint Data	SYM-45970-3715
Test Summary	TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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