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Part Number:

0459714315

Status:

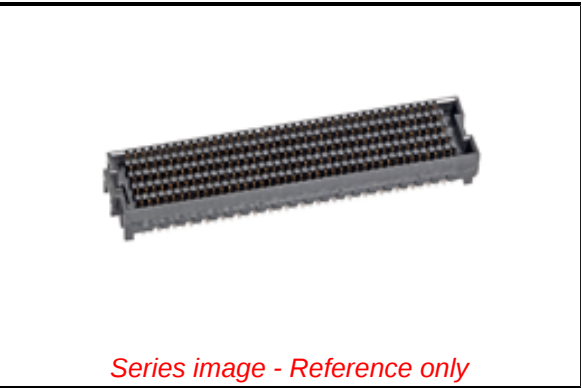
Active

Overview:

SEARAY* Plugs, Receptacles and Copper Flex Assemblies

Description:

SEARAY* Receptacle, 400 Circuits, 6.50mm Unmated Height, 10 Rows, with Pegs, Solder Charge™ Lead-Free



Documents:	
3D Model	Application Specification AS-45970-002-001 (PDF)
Drawing (PDF)	Application Specification AS-45970-990-001 (PDF)
Product Specification PS-45970-001-001 (PDF)	Packaging Specification PK-45971-001 (PDF)
Product Specification PS-45970-002-001 (PDF)	Packaging Specification PK-45971-002 (PDF)
Product Specification TS-45970-001-001 (PDF)	Packaging Specification RPK-45971-009 (PDF)
Product Specification TS-45970-002-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-45970-001-001 (PDF)	

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Receptacles
Series	45971
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Product Name	SEARAY*
UPC	883906236793
Physical	
Circuits (Loaded)	400
Circuits (maximum)	400
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	4.872/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	
Not Contained Per	
-ED/01/2017 (12	
January 2017)	
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
RoHS Phthalates	Not Contained

Search Parts in this Series

45971 Series

Mates With

45970 SEARAY* Plug

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	6.50mm

Electrical

Current - Maximum per Contact	2.7A
Grounding to PCB	No
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-45970-001-001, AS-45970-002-001, AS-45970-990-001
Electrical Model Document	EE-45970-010
Packaging Specification	PK-45971-001, PK-45971-002, RPK-45971-009
Product Specification	PS-45970-001-001, PS-45970-002-001, TS-45970-001-001, TS-45970-002-001
S-Parameter Model	SP-45970-010
Sales Drawing	SD-45971-001
Symbol/Footprint Data	SYM-45971-4315

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