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Part Number:

0459713185

Status:

Active

Overview:

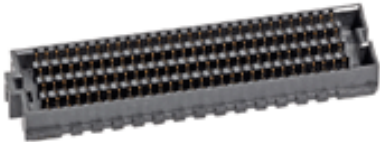
SEARAY and SEARAY Slim Mezzanine Family

Description:

1.27mm Pitch, SEARAY Receptacle, 240 Circuits, 5.00mm Unmated Height, 8 Rows, with Pegs, Solder Charge Lead-Free

Documents:	
3D Model	Application Specification AS-45970-002-001 (PDF)
3D Model (PDF)	Application Specification AS-45970-990-001 (PDF)
Drawing (PDF)	Packaging Specification PK-45971-002-001 (PDF)
Product Specification PS-45970-001-001 (PDF)	Test Summary TS-45970-002-001 (PDF)
Product Specification PS-45970-002-001 (PDF)	Symbol Footprint Data SYM-45971-3185-001 (PDF)
Product Specification TS-45970-001-001 (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 and SEARAY Slim Mezzanine Family
Product Name	SEARAY
Taxonomy	Board-to-Board Connectors
UPC	883906234959
Physical	
Circuits (Loaded)	240
Circuits (maximum)	240
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.768/g
Number of Rows	8
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



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2022)4187-DC (10 June 2022)	
Halogen-Free	
Status	
Low-Halogen	
For more information, please visit Contact US	
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° to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	5.00mm
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-45970-010-010, EE-46556-0085-001
Packaging Specification	PK-45971-002-001
Product Specification	PS-45970-001-001, PS-45970-002-001, TS-45970-001-001
S-Parameter Model	SP-45970-010-010, SP-46556-0085-001
Sales Drawing	SD-45971-001-001
Symbol/Footprint Data	SYM-45971-3185-001
Test Summary	TS-45970-002-001

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