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Part Number:

0459704305

Status:

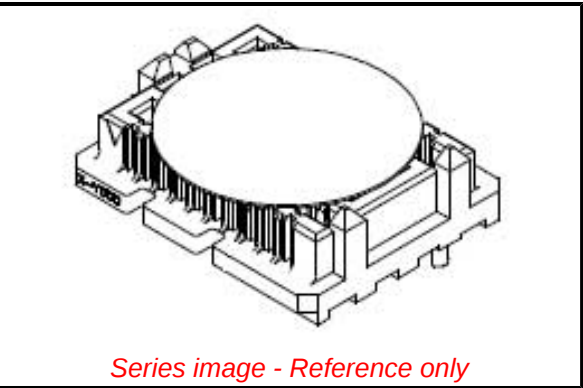
Active

Overview:

SEARAY and SEARAY Slim Mezzanine Family

Description:

1.27mm Pitch, SEARAY Plug, 400 Circuits, 3.50mm Unmated Height, 10 Rows, with Pegs, Solder Charge Lead-Free, with Voids, per VITA-57



Documents:	
3D Model	Application Specification AS-45970-001-001 (PDF)
Drawing (PDF)	Application Specification AS-45970-002-001 (PDF)
3D Model (PDF)	Application Specification AS-45970-990-001 (PDF)
Product Specification PS-45970-001-001 (PDF)	Test Summary TS-45970-0007-001 (PDF)
Product Specification PS-45970-002-001 (PDF)	Test Summary TS-45970-002-001 (PDF)
Product Specification TS-45970-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	45970
Application	Board-to-Board, Signal
Component Type	PCB Header
Electrical Model	Yes
Overview	SEARAY and SEARAY Slim Mezzanine Family
Product Name	SEARAY
Taxonomy	Board-to-Board Connectors
UPC	884982013131
Physical	
Breakaway	No
Circuits (Loaded)	400
Circuits (maximum)	400
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
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	3.702/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

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

45970 Series

Mates With

45971 SEARAY Receptacle

Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	3.50mm
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-45970-001-001, AS-45970-002-001, AS-45970-990-001
Electrical Model Document	EE-45970-007-007, EE-45970-010-010, EE-45970-015-015, EE-46556-0085-001
Product Specification	PS-45970-001-001, PS-45970-002-001, TS-45970-001-001
S-Parameter Model	SP-45970-007-001, SP-45970-010-010, SP-45970-015-015
Sales Drawing	SD-45970-057-001
Test Summary	TS-45970-0007-001, TS-45970-002-001

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