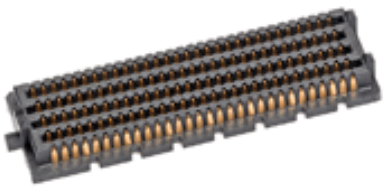
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Part Number: 0459703115
Status: Active
Overview: SEARAY and SEARAY Slim Mezzanine Family
Description: 1.27mm Pitch, SEARAY Plug, 300 Circuits, 2.00mm Unmated Height, 10 Rows, with Pegs, Solder Charge Lead-Free



Series image - Reference only

Documents:

3D Model
3D Model (PDF)
Drawing (PDF)
Product Specification PS-45970-001-001 (PDF)
Product Specification PS-45970-002-001 (PDF)
Product Specification TS-45970-001-001 (PDF)
Application Specification AS-45970-002-001 (PDF)
Application Specification AS-45970-990-001 (PDF)
Packaging Specification PK-45970-002-001 (PDF)
Test Summary TS-45970-0007-001 (PDF)
Test Summary TS-45970-002-001 (PDF)
Symbol Footprint Data SYM-45970-3115-001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	45970
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY and SEARAY Slim Mezzanine Family
Product Name	SEARAY
UPC	883906606886

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 Capable	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	3.926/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

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - D(2021)4569-DC (8 July 2021)

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

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	2.00mm

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-45970-002-001, AS-45970-990-001
Electrical Model Document	EE-45970-007-007, EE-45970-010-010, EE-45970-015-015, EE-46556-0085-001
Packaging Specification	PK-45970-002-001
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-45970-001-001
Symbol/Footprint Data	SYM-45970-3115-001
Test Summary	TS-45970-0007-001, TS-45970-002-001