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Part Number: **0465573445**

Status: **Active**

Overview: SEARAY and SEARAY Slim Mezzanine Family

Description: SEARAY Slim Receptacle, 120 Circuits, 7.50mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free

Documents:

Drawing (PDF)	Packaging Specification PK-45971-002-001 (PDF)
Product Specification PS-45970-001-001 (PDF)	Packaging Specification RPK-45971-009 (PDF)
Application Specification AS-45970-001 (PDF)	Test Summary TS-45970-002-001 (PDF)
Application Specification AS-45970-002-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-45970-990-001 (PDF)	

Series image - Reference only

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Overview	SEARAY and SEARAY Slim Mezzanine Family
Product Name	SEARAY
UPC	883906533038

Physical

Circuits (Loaded)	120
Circuits (maximum)	120
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Capable	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	2.348/g
Number of Rows	4
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
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +125°C
Termination Interface: Style	Surface Mount

EU ELV
Not Relevant

EU RoHS   **China RoHS**
Compliant

REACH SVHC
Not Contained Per - ED/71/2019 (16 July 2019)

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
46557 Series

Mates With
46556 SEARAY Slim Plug

Unmated Height   7.50mm

Electrical
Current - Maximum per Contact   2.7A
Grounding to PCB   No
Voltage - Maximum   240V AC

Solder Process Data
Duration at Max. Process Temperature (seconds)   020
Lead-freeProcess Capability   REFLOW
Max. Cycles at Max. Process Temperature   003
Process Temperature max. C   260

Material Info

Reference - Drawing Numbers
Application Specification   AS-45970-001, AS-45970-002-001, AS-45970-990-001
Packaging Specification   PK-45971-002-001, RPK-45971-009
Product Specification   PS-45970-001-001
Sales Drawing   SD-46557-001-001
Test Summary   TS-45970-002-001

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  [46557-3445](#)