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Part Number: 0465577145
Status: Active
Overview: SEARAY and SEARAY Slim Mezzanine Family
Description: SEARAY Slim Receptacle, 100 Circuits, 5.00mm Unmated Height, 4 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 TS-45970-001-001 (PDF)
- Application Specification AS-45970-001-001 (PDF)
- Application Specification AS-45970-002-001 (PDF)
- Application Specification AS-45970-990-001 (PDF)
- Packaging Specification PK-45971-002-001 (PDF)
- Test Summary TS-45970-002-001 (PDF)
- Symbol Footprint Data SYM-46557-7145-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY and SEARAY Slim Mezzanine Family
Product Name	SEARAY
UPC	800756931661

Physical

Circuits (Loaded)	100
Circuits (maximum)	100
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	1.292/g
Number of Rows	4
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.18mm
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

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - D(2021)10043-DC (17 Jan 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
46557 Series

Mates With
46556 SEARAY Slim Plug

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)	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-45970-001-001, 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, TS-45970-001-001
S-Parameter Model	SP-45970-010-010, SP-46556-0085-001
Sales Drawing	SD-46557-001-001
Symbol/Footprint Data	SYM-46557-7145-001
Test Summary	TS-45970-002-001