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Part Number: [0465576145](#)
Status: **Active**
Overview: SEARAY and SEARAY Slim Mezzanine Family
Description: SEARAY Slim Receptacle, 60 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge Lead-Free

Documents:

Drawing (PDF)	Application Specification AS-45970-990-001 (PDF)
Product Specification PS-45970-001-001 (PDF)	Packaging Specification PK-45971-002-001 (PDF)
Product Specification TS-45970-001-001 (PDF)	Test Summary TS-45970-002-001 (PDF)
Application Specification AS-45970-001-001 (PDF)	Symbol Footprint Data SYM-46557-6145-001 (PDF)
Application Specification AS-45970-002-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Overview	SEARAY and SEARAY Slim Mezzanine Family
Product Name	SEARAY
UPC	883906529789

Physical

Circuits (Loaded)	60
Circuits (maximum)	60
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	0.846/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



Series image - Reference only

**EU ELV
Compliant**

**EU RoHS
Compliant**

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

**Halogen-Free
Status**

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Compliant

Not Contained

Search Parts in this Series

[46557](#) Series

Mates With

[46556](#) SEARAY Slim Plug

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-free Process 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-46556-0085-001
Packaging Specification PK-45971-002-001
Product Specification PS-45970-001-001, TS-45970-001-001
S-Parameter Model SP-46556-0085-001
Sales Drawing SD-46557-001-001
Symbol/Footprint Data SYM-46557-6145-001
Test Summary TS-45970-002-001

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