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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:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-45971-002-001 (PDF)</a>
<a href="#">Product Specification PS-45970-001-001 (PDF)</a>	<a href="#">Packaging Specification RPK-45971-009 (PDF)</a>
<a href="#">Application Specification AS-45970-001 (PDF)</a>	<a href="#">Test Summary TS-45970-002-001 (PDF)</a>
<a href="#">Application Specification AS-45970-002-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-46557-6145 (PDF)</a>
<a href="#">Application Specification AS-45970-990-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">46557</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SEARAY and SEARAY Slim Mezzanine Family</a>
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**      **China RoHS**

**REACH SVHC**  
Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free  
Status**

**Low-Halogen**

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

China ROHS	Green Image
ELV	Compliant
RoHS Phthalates	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, AS-45970-002-001, AS-45970-990-001  
Electrical Model Document EE-46556-0085  
Packaging Specification PK-45971-002-001, RPK-45971-009  
Product Specification PS-45970-001-001  
S-Parameter Model SP-46556-0085  
Sales Drawing SD-46557-001-001  
Symbol/Footprint Data SYM-46557-6145  
Test Summary TS-45970-002-001

This document was generated on 10/22/2020

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