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

Documents:

Drawing (PDF)	Packaging Specification PK-45971-002 (PDF)
Product Specification PS-45970-001 (PDF)	Packaging Specification RPK-45971-009 (PDF)
Application Specification AS-45970-001 (PDF)	Test Summary TS-45970-001 (PDF)
Application Specification AS-45970-002 (PDF)	Test Summary TS-45970-002 (PDF)
Application Specification AS-45970-990 (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* Plugs, Receptacles and Copper Flex Assemblies
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 Compliant	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°C to +125°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS
ELV

Green Image
Not Relevant

Search Parts in this Series

[46557 Series](#)

Mates With

[46556 SEARAY* Slim Plug](#)

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, AS-45970-002, AS-45970-990
Electrical Model Document EE-46556-0085
Packaging Specification PK-45971-002, RPK-45971-009
Product Specification PS-45970-001
S-Parameter Model SP-46556-0085
Sales Drawing SD-46557-001
Test Summary TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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