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Part Number: [0465572145](#)
Status: **Active**
Overview: SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Description: SEARAY* Slim Receptacle, 80 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

Documents:

- | | |
|--|--|
| 3D Model | Application Specification AS-45970-002-001 (PDF) |
| Drawing (PDF) | Application Specification AS-45970-990-001 (PDF) |
| Product Specification PS-45970-001-001 (PDF) | Packaging Specification PK-45971-002 (PDF) |
| Product Specification TS-45970-001-001 (PDF) | Packaging Specification RPK-45971-009 (PDF) |
| Product Specification TS-45970-002-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-45970-001-001 (PDF) | |

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Electrical Model	Yes
MolexKits	Yes
Overview	SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Product Name	SEARAY*
UPC	800756911830

Physical

Circuits (Loaded)	80
Circuits (maximum)	80
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	1.069/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[46557](#) Series

Mates With

[46556](#) SEARAY* Slim Plug

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C 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, EE-46556-0085
Packaging Specification	PK-45971-002, RPK-45971-009
Product Specification	PS-45970-001-001, TS-45970-001-001, TS-45970-002-001
S-Parameter Model	SP-45970-010, SP-46556-0085
Sales Drawing	SD-46557-001
Symbol/Footprint Data	SYM-46557-2145

*SEARAY is a trademark of Samtec, Inc.

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