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Part Number: [0465571145](#)
Status: **Active**
Overview: SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Description: SEARAY* Slim Receptacle, 40 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™

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

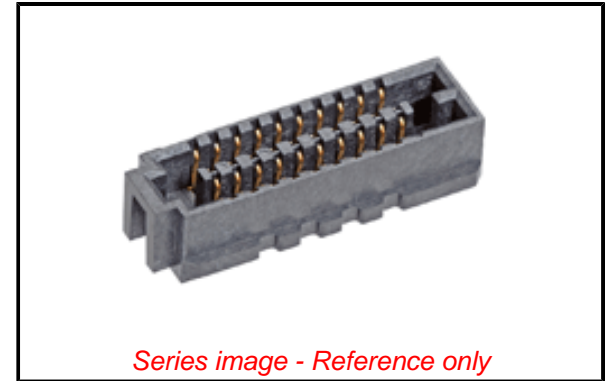
CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Product Name	SEARAY*
UPC	883906371890

Physical

Circuits (Loaded)	40
Circuits (maximum)	40
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	0.623/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



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/30/2017 (7 July 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

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-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-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-46557-1145

*SEARAY is a trademark of Samtec, Inc.

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