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Part Number: [0465572545](#)
Status: **Active**
Overview: SEARAY* Plugs, Receptacles and Copper Flex Assemblies
Description: SEARAY* Slim Receptacle, 80 Circuits, 8.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

Documents:

[3D Model](#) [Packaging Specification RPK-45971-009 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Packaging Specification PK-45971-002 \(PDF\)](#)

Agency Certification

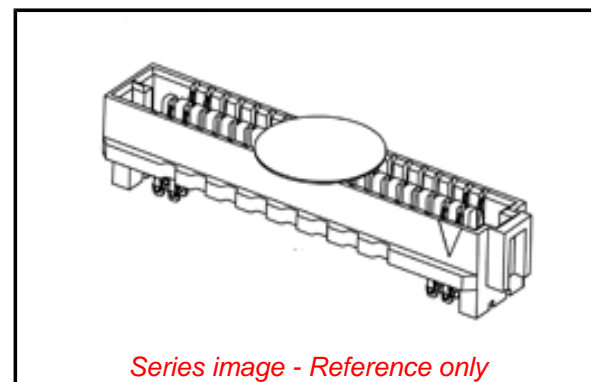
CSA LR19980
 UL E29179

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 800756911847

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 1.757/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
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -55°C to +125°C
 Termination Interface: Style Surface Mount



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/21/2016 (20 June
 2016)

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](#)

Unmated Height 8.00mm

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

Electrical Model Document EE-45970-010
Packaging Specification PK-45971-002, RPK-45971-009
S-Parameter Model SP-45970-010
Sales Drawing SD-46557-001
Symbol/Footprint Data SYM-46557-2545

*SEARAY is a trademark of Samtec, Inc.

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