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Part Number: [46557-4145](#)
Status: **Active**
Overview: [SEARAY*](#)
Description: 1.27mm by 1.27mm Pitch SEARAY* Slim Receptacle, 160 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

Documents:

3D Model	Application Specification AS-45970-990 (PDF)
Drawing (PDF)	Test Summary TS-45970-001 (PDF)
Product Specification PS-45970-001 (PDF)	Test Summary TS-45970-002 (PDF)
Application Specification AS-45970-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-45970-002 (PDF)	

Agency Certification

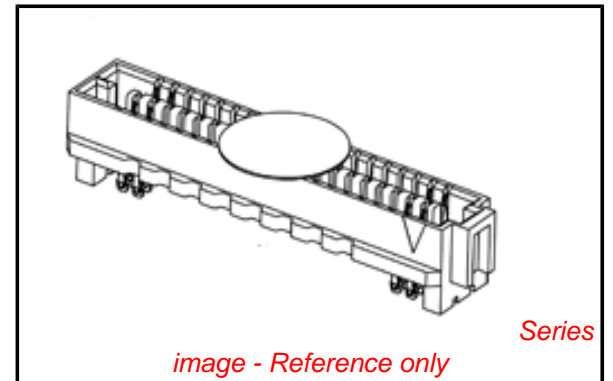
CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Overview	SEARAY*
Product Name	SEARAY*

Physical

Circuits (Loaded)	160
Circuits (maximum)	160
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold, Nickel
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	4
Orientation	Vertical
PC Tail Length	1.60mm
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)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole



EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[46557Series](#)

Mates With

[46556](#) Searay* Slim Plug Connector

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) 20
Lead-free Process Capability Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature 3
Process Temperature max. C 260

Material Info

UPC 883906136864

Reference - Drawing Numbers

Application Specification AS-45970-001, AS-45970-002, AS-45970-990
Product Specification PS-45970-001
Sales Drawing SD-46557-001
Test Summary TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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