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Part Number: [46557-4345](#)
Status: **Active**
Overview: [SEARAY*](#)
Description: 1.27mm by 1.27mm Pitch SEARAY* Slim Receptacle, 160 Circuits, 6.50mm 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

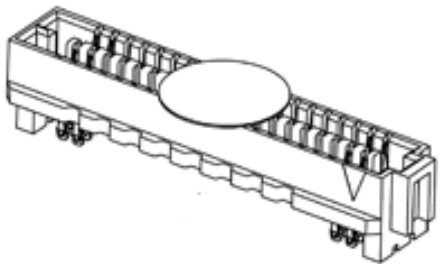
CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
MolexKits	Yes
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



Series

image - Reference only

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

Termination Interface: Style
Unmated Height

Through Hole
6.50mm

Electrical

Current - Maximum per Contact
Grounding to PCB
Voltage - Maximum

2.7A
No
240V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)
Lead-free Process Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

20
Reflow Capable (SMT only)
3
260

Material Info

UPC

800756832586

Reference - Drawing Numbers

Application Specification
Product Specification
Sales Drawing
Test Summary

AS-45970-001, AS-45970-002, AS-45970-990
PS-45970-001
SD-46557-001
TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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