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Part Number:

46557-2147

Status:

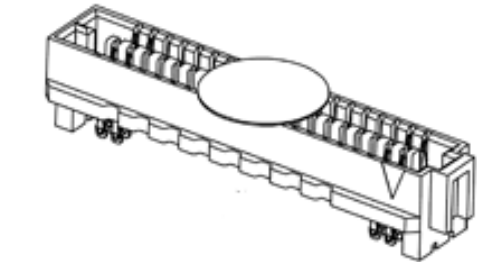
Active

Overview:

SEARAY*

Description:

1.27mm by 1.27mm Pitch SEARAY* Slim Receptacle, 80 Circuits, 5.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Tin-Lead



Series

image - Reference only

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	46557
Application	Board-to-Board, Signal
Overview	SEARAY*
Product Name	SEARAY*
UPC	883906530204

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	None
Lock to Mating Part	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold, Nickel
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	1.069/g
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

EU RoHSChina RoHS

Not RoHS Compliant
REACH SVHC
Not Reviewed
Low-Halogen Status
Low-Halogen



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

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole
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
Replacement RoHS Compliant Part Number	None

Material Info

Reference - Drawing Numbers

Application Specification	AS-45970-001, AS-45970-002, AS-45970-990
Electrical Model Document	EE-45970-010
Product Specification	PS-45970-001
S-Parameter Model	SP-45970-010_REVA
Sales Drawing	SD-46557-001
Test Summary	TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.