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Part Number: [46556-2145](#)
Status: **Active**
Overview: SEARAY* Slim
Description: 1.27mm by 1.27mm Pitch SEARAY* Slim Plug, 80 Circuits, 2.00mm 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

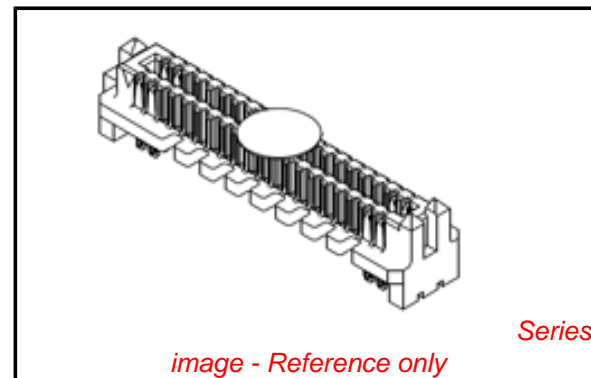
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	46556
Application	Board-to-Board, Signal
Overview	SEARAY* Slim
Product Name	SEARAY*

Physical

Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	4
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C



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

[46556Series](#)

Mates With

[46557 SEARAY* Slim Receptacles](#)

Termination Interface: Style Surface Mount
Unmated Height 2.00mm

Electrical

Current - Maximum per Contact 2.7A
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 800756911823

Reference - Drawing Numbers

Application Specification AS-45970-001, AS-45970-002, AS-45970-990
Product Specification PS-45970-001
Sales Drawing SD-46556-001
Test Summary TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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