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Part Number: [0465561245](#)
Status: **Active**
Overview: SEARAY* Slim
Description: SEARAY* Slim Plug, 40 Circuits, 3.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	46556
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY* Slim
Product Name	SEARAY*
UPC	883906482145

Physical

Breakaway	No
Circuits (Loaded)	40
Circuits (maximum)	40
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	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.689/g
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

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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

[46556](#) Series

Mates With

[46557](#) SEARAY* Slim Receptacles

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	3.00mm

Electrical

Current - Maximum per Contact	2.7A
Voltage - Maximum	240V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)	020
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Application Specification	AS-45970-001, AS-45970-002, AS-45970-990
Electrical Model Document	EE-45970-010
Packaging Specification	PK-45970-002
Product Specification	PS-45970-001
S-Parameter Model	SP-45970-010
Sales Drawing	SD-46556-001
Symbol/Footprint Data	SYM-46556-1245
Test Summary	TS-45970-001, TS-45970-002

*SEARAY is a trademark of Samtec, Inc.

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