

Part Number: 46556-2245



Status:	Contact Molex
Series:	46556
Category:	PCB Headers
Overview:	SEARAY* Slim

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Series image - Reference only

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Part Detail

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General

Status	Contact Molex
Category	PCB Headers
Series	46556
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	SEARAY* Slim
Product Name	SEARAY*
Trademark Credit	*SEARAY is a trademark of Samtec, Inc.
UPC	883906212179

▼ 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
Net Weight	1.196/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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount
Unmated Height	6.60mm

▼ Electrical

(Please review the Product Specification for specific details.)

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

▼ Agency Certification

Please find UL Certificates by searching the UL Database using the Moely Series

Please find UL Certificates by serial
Number. [Click here to visit the UL Database.](#)

CSA	LR19980
UL	E29179

▼ Solder Process Data

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

▼ Material Info

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
Sales Drawing	SD-46556-001
Test Summary	TS-45970-001, TS-45970-002

Molex Connectors

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- Board-to-Board
- Wire-to-Wire
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- FFC/FPC
- Sockets

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