Part Number: 46556-7545

Image not available

Series image - Reference only

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

Go to Part Detail▼

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Mates With Part(s):
46557 SEARAY* Slim Receptacles

Specifications & Other Documents:

Note - Please disable browser pop-up blockers to view documents on www.molex.com

Application Tooling

FAQ

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling
Check our list of old tooling that used to be available for this part

Part Detail

COLLAPSE ALL

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	883906156770

Physical

Breakaway	No
Circuits (Loaded)	100
Circuits (maximum)	100
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	2.142/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	8.10mm

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 Molex Series 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

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

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