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**Part Number:** [0465561745](#)  
**Status:** **Active**  
**Overview:** SEARAY\* Slim  
**Description:** SEARAY\* Slim Plug, 40 Circuits, 7.00mm Unmated Height, 4 Rows, with Pegs, Solder Charge™ Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-45970-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

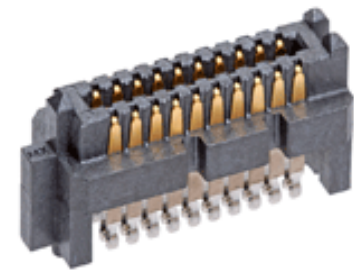
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [46556](#)  
 Application Board-to-Board, Signal  
 Electrical Model Yes  
 Overview [SEARAY\\* Slim](#)  
 Product Name SEARAY\*  
 UPC 883906481704

**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 1.242/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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto: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

Unmated Height 7.00mm

**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**

Electrical Model Document EE-45970-010  
Packaging Specification PK-45970-002  
S-Parameter Model SP-45970-010  
Sales Drawing SD-46556-001  
Symbol/Footprint Data SYM-46556-1745

\*SEARAY is a trademark of Samtec, Inc.

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