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**Part Number:** [0448281162](#)  
**Status:** **Active**  
**Overview:** HandyLink™ I/O Interconnect System  
**Description:** 0.80mm Pitch HandyLink™ Surface Mount Receptacle, 16 Circuit

**Documents:**

[3D Model](#) [Packaging Specification PK-44828-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

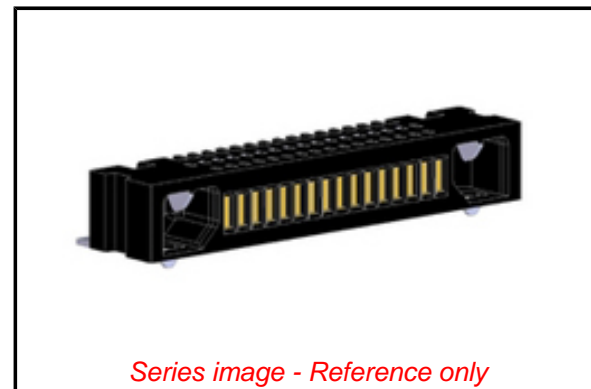
Product Family I/O Connectors  
 Series [44828](#)  
 Application Board-to-Board, Wire-to-Board  
 Comments Please reference Application Specification AS-44828-001 when designing  
 Component Type Receptacle  
 MolexKits Yes  
 More Detailed Tech Information [handylink@molex.com](mailto:handylink@molex.com)  
 Overview [HandyLink™ I/O Interconnect System](#)  
 Product Name HandyLink@  
 Type N/A  
 UPC 822348013128

**Physical**

Circuits (Loaded) 16  
 Circuits (maximum) 16  
 Circuits Detail Terminals 1 through 16 loaded  
 Color - Resin Black  
 Flammability 94V-0  
 Lock to Mating Part Yes  
 Material - Metal High Performance Alloy (HPA)  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 0.500/g  
 Orientation Right Angle  
 PCB Locator Yes  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Panel Mount No  
 Pitch - Mating Interface 0.80mm  
 Plating min - Mating 0.051µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -40°C to +85°C  
 Termination Interface: Style Surface Mount  
 Wire Size AWG N/A

**Electrical**

Current - Maximum per Contact 1.5A  
 Shielded No  
 Voltage - Maximum 30V



*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**

[44828](#) Series

**Mates With**

[45560](#) PCB Cradle Connector, [45339](#) Wire Plug Connector, [45593](#) PCB Plug Connector

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	040
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	245

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-44828-001
Sales Drawing	SD-44828-001

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