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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:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification AS-44828-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-44828-001 (PDF)</a>   |
| <a href="#">Product Specification PS-44828-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

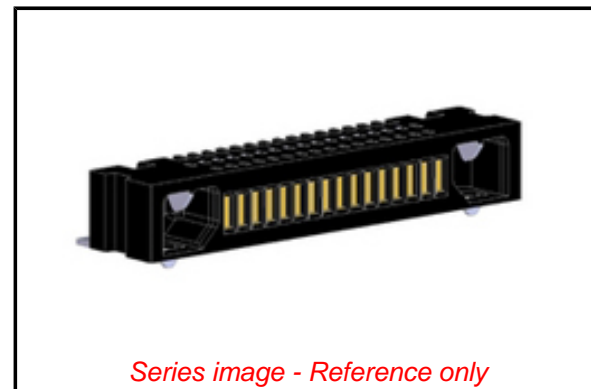
|                                |  |
|--------------------------------|--|
| Product Family                 | I/O Connectors   |
| Series                         | <a href="#">44828</a>  |
| Application                    | Board-to-Board, Wire-to-Board  |
| Comments                       | Please reference Application Specification AS-44828-001 when designing |
| Component Type                 | Receptacle   |
| MolexKits                      | Yes  |
| More Detailed Tech Information | <a href="mailto:handylink@molex.com">handylink@molex.com</a>           |
| Overview                       | <a href="#">HandyLink™ I/O Interconnect System</a>                     |
| 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   |



*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

Voltage - Maximum 30V

**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**

Application Specification AS-44828-001

Packaging Specification PK-44828-001

Product Specification PS-44828-001

Sales Drawing SD-44828-001

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