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**Part Number:** [0455931600](#)  
**Status:** **Active**  
**Overview:** [handylink](#)  
**Description:** 0.80mm (.031") Pitch HandyLink™ Plug for PCB Termination, 16 Circuit

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-44828-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Test Summary (PDF)</a>	

**Agency Certification**

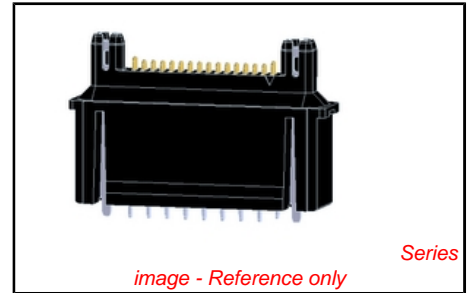
CSA	LR19980
UL	E29179

**General**

Product Family	I/O Connectors
Series	45593
Application	Board-to-Board
Comments	Please reference Application Specification AS-44828-001 when designing
Component Type	Plug
MolexKits	Yes
More Detailed Tech Information	<a href="mailto:handylink@molex.com">handylink@molex.com</a>
Overview	<a href="#">handylink</a>
Product Name	HandyLink®
Type	N/A

**Physical**

Circuits (Loaded)	16
Circuits (maximum)	16
Circuits Detail	Terminals 1 through 16 loaded
Color - Resin	Black
Durability (mating cycles max)	700
Flammability	94V-0
Gender	Plug
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating	Gold, Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Orientation	Vertical
PC Tail Length	1.10mm (.043")
PCB Retention	Yes
PCB Thickness - Recommended	1.00mm (.039")
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	0.80mm (.031")
Plating min - Mating	0.102µm (4µ"), 1.270µm (50µ")
Plating min - Termination	1.270µm (50µ"), 5.080µm (200µ")
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Wire Size AWG	N/A



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
 Not Low-Halogen

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[45593Series](#)

**Mates With**

[44828 HandyLink™ SMT Receptacle](#)

**Electrical**

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

**Solder Process Data**

Lead-free Process Capability	Wave Capable (TH only)
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**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-45593-001
Product Specification	PS-44828-001
Sales Drawing	SD-45593-001

This document was generated on 01/11/2011

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