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Part Number: [0455931603](#)
Status: **Active**
Overview: HandyLink™ I/O Interconnect System
Description: 0.80mm Pitch HandyLink™ Plug for PCB Termination, 16 Circuit (pins 2,3,4,5,6,7,15 voided)

Documents:

[3D Model](#) [Packaging Specification PK-45593-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-44828-001 \(PDF\)](#)

Agency Certification

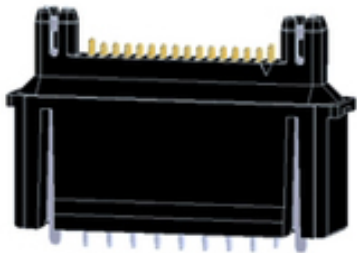
CSA LR19980
UL E29179

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
More Detailed Tech Information handylink@molex.com
Overview [HandyLink™ I/O Interconnect System](#)
Product Name HandyLink®
Type N/A
UPC 756054882641

Physical

Circuits (Loaded) 9
Circuits (maximum) 16
Circuits Detail Terminals 1, 8, 9, 10, 11, 12, 13, 14, 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
Net Weight 6.150/g
Orientation Vertical
PC Tail Length 1.10mm
PCB Retention Yes
PCB Thickness - Recommended 1.00mm
Packaging Type Tray
Panel Mount No
Pitch - Mating Interface 0.80mm
Plating min - Mating 0.102µm, 1.270µm
Plating min - Termination 1.270µm, 5.080µm
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Not Reviewed
ELV	Not Relevant
RoHS Phthalates	Not Reviewed

Search Parts in this Series

[45593](#) Series

Mates With

[44828](#) HandyLink®#153 Receptacle

Electrical

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

Solder Process Data

Lead-freeProcess Capability	WAVE
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-45593-001
Product Specification	PS-44828-001
Sales Drawing	SD-45593-001, SD-45593-3600

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