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Part Number: [0455931602](#)
Status: **Active**
Overview: HandyLink™ I/O Interconnect System
Description: 0.80mm Pitch HandyLink™ Plug for PCB Termination, 16 Circuit (pins 2,3,4,5,6,7,8,15 voided)

Documents:

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

Agency Certification

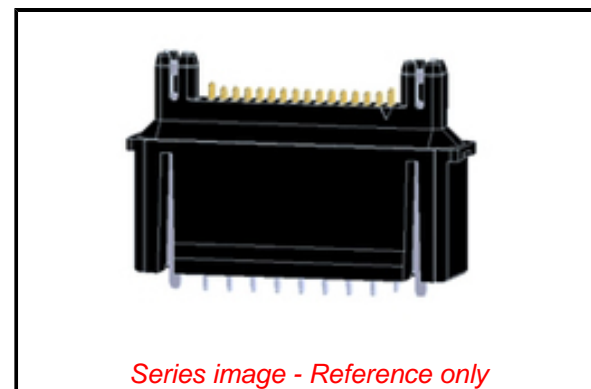
CSA LR19980
 UL E29179

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 756054882634

Physical

Circuits (Loaded) 8
 Circuits (maximum) 16
 Circuits Detail Terminals 1, 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 5.770/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-free Process Capability WAVE

Material Info**Reference - Drawing Numbers**

Packaging Specification PK-45593-001
Product Specification PS-44828-001-001
Sales Drawing SD-45593-001, SD-45593-001-002, SD-45593-3600

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