

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [45593-1600](#)
Status: **Active**
Overview: HandyLink™ I/O Interconnect System
Description: 0.80mm Pitch HandyLink™ Plug for PCB Termination, 16 Circuit

Documents:

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

Agency Certification

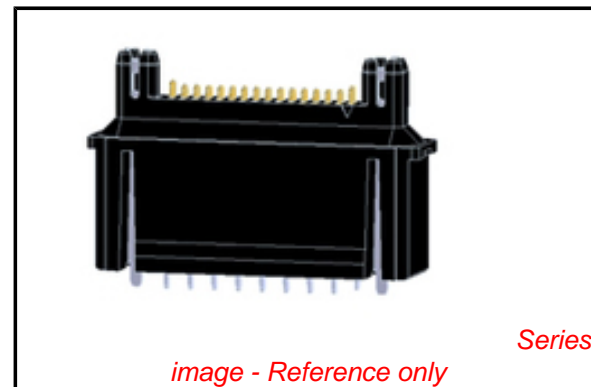
CSA LR19980
 UL E29179

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
 MolexKits Yes
 More Detailed Tech Information handylink@molex.com
 Overview [HandyLink™ I/O Interconnect System](#)
 Product Name HandyLink®
 Type N/A
 UPC 756054882610

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
 Net Weight 2.051/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



EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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)
------------------------------	------------------------

Material Info**Reference - Drawing Numbers**

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

This document was generated on 10/03/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION