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Part Number:

0455931601

Status:

Active

Overview:

HandyLink™ I/O Interconnect System

Description:

0.80mm Pitch HandyLink™ Plug for PCB Termination, 16 Circuit (pins 2-15 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

756054882627

Physical

Circuits (Loaded)

16

Circuits (maximum)

16

Circuits Detail

Terminals 1 and 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

2.235/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

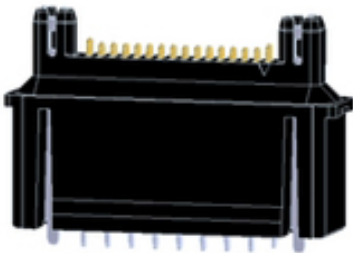
-40°C to +85°C

Termination Interface: Style

Through Hole

Wire Size AWG

N/A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per - ED/21/2016 (20 June 2016)

Halogen-Free

Status

Not Low-Halogen

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

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-44828-001-001
Sales Drawing	SD-45593-001, SD-45593-001-002, SD-45593-3600

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