

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [76866-1123](#)
Status: **Active**
Overview: [iPass+™ HD Interconnect System](#)
Description: [iPass+™ HD Cage and Receptacle 1x4, 0.76µm Tin over Nickel, Lead-Free](#)

Documents:

[Drawing \(PDF\)](#) [Test Summary TS-76866-100 \(PDF\)](#)
[Product Specification PS-76866-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Test Summary TS-76866-001 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E107635

General

Product Family I/O Connectors
 Series [76866](#)
 Application Wire-to-Board
 Component Type External Integrated Cage, Receptacle
 Electrical Model Yes
 Overview [iPass+™ HD Interconnect System](#)
 Product Name iPass+™
 Type N/A
 UPC 887191049267

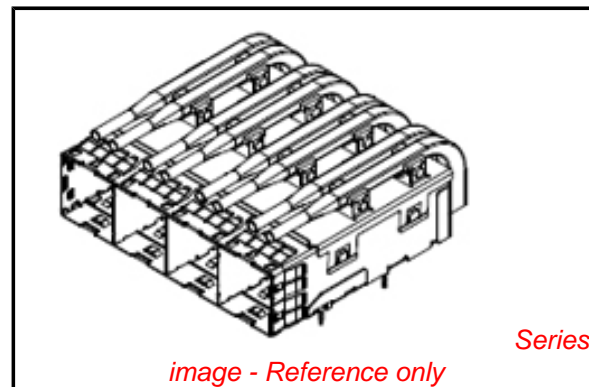
Physical

Circuits (Loaded) 144
 Circuits (maximum) 144
 Color - Resin Black
 Durability (mating cycles max) 250
 Flammability 94V-0
 Lock to Mating Part Yes
 Material - Metal High Performance Alloy (HPA)
 Material - Plating Mating Gold over Nickel
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 29.781/g
 Orientation Right Angle
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.37mm
 Packaging Type Tray
 Panel Mount No
 Pitch - Mating Interface 0.75mm
 Pitch - Termination Interface 0.75mm
 Plating min - Mating 0.762µm, 1.524µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Temperature Range - Operating -40°C to +80°C
 Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 1A
 Voltage - Maximum 30V AC (RMS)/DC

Material Info



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

[76866Series](#)

Mates With

[111068 iPass™ Cable Assembly](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description | Product # |
|-----------------|----------------------------|
| Press-In Tool | 0622030050 |
| HD Removal Tool | 0622030060 |

Reference - Drawing Numbers

Electrical Model Document
Product Specification
S-Parameter Model
Sales Drawing
Signal Integrity Report
Test Summary

EE-76866-001, EE-76866-100
PS-76866-001
SP-76866-001, SP-76866-100
SD-76866-1001
SI-76866-101
TS-76866-001, TS-76866-100

This document was generated on 10/03/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION