

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0768661013](#)
Status: **Active**
Overview: [iPass+™ HD Interconnect System](#)
Description: [iPass+™ HD Cage and Receptacle 1x4, 0.76µm, Lead-Free](#)

Documents:

3D Model	Application Specification AS-76866-002 (PDF)
Drawing (PDF)	Test Summary TS-76866-001 (PDF)
Product Specification PS-76866-001 (PDF)	Test Summary TS-76866-100 (PDF)
Application Specification AS-76866-001 (PDF)	RoHS Certificate of Compliance (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	887191048864

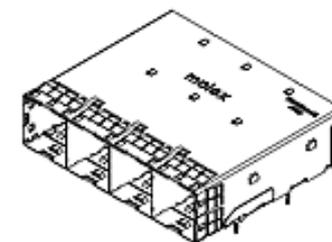
Physical

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	26.796/g
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	0.75mm
Pitch - Termination Interface	0.75mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
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	0.75A
Voltage - Maximum	30V AC (RMS)/DC

Solder Process Data



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

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

Search Parts in this Series

[76866 Series](#)

Mates With

iPass™ Cable Assembly [111068](#) , [111075](#)

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

Lead-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Application Specification	AS-76866-001, AS-76866-002
Electrical Model Document	EE-76866-100
Product Specification	PS-76866-001
S-Parameter Model	SP-76866-100
Sales Drawing	SD-76866-1000
Signal Integrity Report	SI-76866-101
Test Summary	TS-76866-001, TS-76866-100

This document was generated on 07/01/2015

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION