

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0768661015](#)
Status: **Active**
Overview: [iPass+ HD Interconnect System](#)
Description: [iPass+ HD Cage and Receptacle 1x2, 0.76µm, Lead-Free](#)

Documents:

3D Model (PDF)	Application Specification AS-76866-002-001 (PDF)
3D Model	Packaging Specification PK-76866-001-001 (PDF)
Drawing (PDF)	Test Summary TS-76866-001-001 (PDF)
Product Specification PS-76866-001-001 (PDF)	Test Summary TS-76866-1004-001 (PDF)
Application Specification AS-76866-001-001 (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+
Taxonomy	High-Speed Pluggable Connector
Type	N/A
UPC	887191048871

Physical

Circuits (Loaded)	72
Circuits (maximum)	72
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
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	14.033/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° to +80°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	0.75A
-------------------------------	-------



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

[76866 Series](#)

Mates With

iPass Cable Assembly [111068](#) , [111075](#) ,
[111077](#)

Voltage - Maximum	30V AC (RMS)/DC
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-76866-001-001, AS-76866-002-001
Electrical Model Document	EE-76866-1004-001
Packaging Specification	PK-76866-001-001
Product Specification	PS-76866-001-001
S-Parameter Model	SP-76866-100-001, SP-76866-1004-001
Sales Drawing	SD-76866-1000-001
Test Summary	TS-76866-001-001, TS-76866-1004-001

This document was generated on 10/01/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION