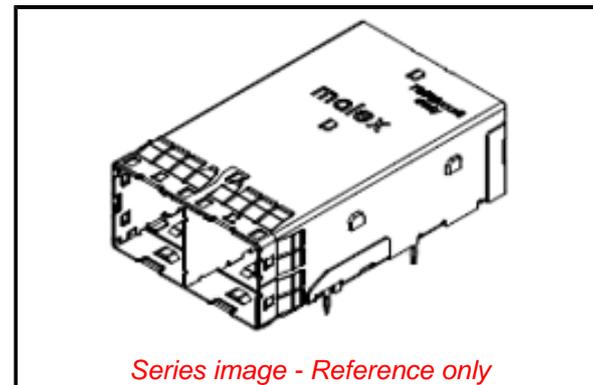


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

Documents:

| | |
|---|--|
| 3D Model | Application Specification AS-76866-001-001 (PDF) |
| Drawing (PDF) | Application Specification AS-76866-002-001 (PDF) |
| Product Specification PS-76866-001-001 (PDF) | Packaging Specification PK-76866-001 (PDF) |
| Product Specification TS-76866-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification TS-76866-1004-001 (PDF) | |



Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E107635 |

General

| | |
|------------------|---------------------------------------|
| Product Family | I/O Connectors |
| Series | <u>76866</u> |
| Application | Wire-to-Board |
| Component Type | External Integrated Cage, Receptacle |
| Electrical Model | Yes |
| Overview | <u>iPass+™ HD Interconnect System</u> |
| Product Name | iPass+™ |
| 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 over Nickel |
| 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°C to +80°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical

| | |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.75A |
| Voltage - Maximum | 30V AC (RMS)/DC |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

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 |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

76866 Series

Mates With

iPass™ Cable Assembly 111068 , 111075 , 111077

Solder Process Data

Lead-free Process Capability

N/A

Material Info**Reference - Drawing Numbers**

Application Specification

AS-76866-001-001, AS-76866-002-001

Electrical Model Document

EE-76866-1004

Packaging Specification

PK-76866-001

Product Specification

PS-76866-001-001, TS-76866-001-001,
TS-76866-1004-001

S-Parameter Model

SP-76866-100, SP-76866-1004

Sales Drawing

SD-76866-1000

This document was generated on 05/30/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION