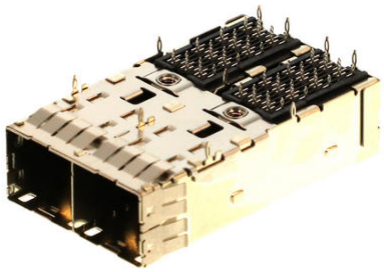
**Part Number :** 768661015
**Product Description :** iPass+ HD Cage and Receptacle 1x2, 0.76µm, Lead-Free
**Series Number :** 76866
**Status :** Active
**Product Category :** High-Speed I/O Connectors



## Documents & Resources

### Drawings

768661015_sd.pdf

PK-76866-001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

EE-76866-1004-001.pdf

SP-76866-100-001.zip

SP-76866-1004-001.zip

### Specifications

AS-76866-001-001.pdf

AS-76866-002-001.pdf

PS-76866-001-001.pdf

TS-76866-001-001.pdf

TS-76866-1004-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Compliant per 2000/53/EC |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |

| | |
|---|---|
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | High-Speed I/O Connectors |
| Series | 76866 |
| Description | iPass+ HD Cage and Receptacle 1x2, 0.76µm, Lead-Free |
| Application | Wire-to-Board |
| Component Type | External Integrated Cage, Receptacle |
| Product Name | iPass+ |
| Type | Pluggable |
| UPC | 887191048871 |

### Agency

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

### Electrical

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

**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 |
| Packaging Type | Tray |
| Panel Mount | No |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.57mm |
| 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 |

**Solder Process Data**

| | |
|---|---|
| Lead-Free Process Capability | N/A |

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## Mates With / Use With

**Mates with Part(s)**

| Description | Part Number |
|---|---|
| Mini-SAS HD Cable Assemblies | 111068 |
| Mini-SAS HD-to-Mini-SAS HD 3.0 Cable Assemblies | 111075 |
| Mini-SAS HD-to-Mini-SAS HD 3.0 Cable Assemblies | 111077 |

## Application Tooling