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Part Number:

0768661125

Status:

Active

Overview:

iPass+™ HD Interconnect System

Description:

iPass+™ HD Cage and Receptacle with Light Pipes 1x2, 0.76µm, Lead-Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-76866-001 (PDF)

Test Summary TS-76866-001 (PDF)

Test Summary TS-76866-100 (PDF)

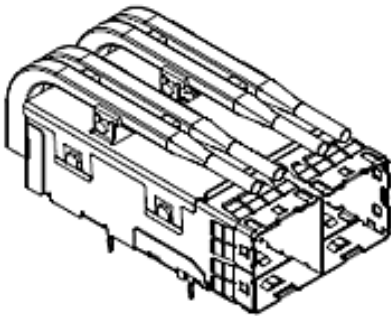
RoHS Certificate of Compliance (PDF)

|                      |                                      |
|----------------------|--------------------------------------|
| 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                  | 887191049274                         |

|                                |                                |
|--------------------------------|--------------------------------|
| 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                     | 19.611/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         |     |
| Lead-freeProcess Capability | N/A |



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](mailto: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](#) , [111077](#)

|                                                                                                                                                                                 |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 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                                                                                                                                                                   | <a href="#">0622030050</a> |
| HD Removal Tool                                                                                                                                                                 | <a href="#">0622030060</a> |

**Material Info**

**Reference - Drawing Numbers**

|                           |                            |
|---------------------------|----------------------------|
| Electrical Model Document | EE-76866-001, EE-76866-100 |
| Product Specification     | PS-76866-001               |
| S-Parameter Model         | SP-76866-001, SP-76866-100 |
| Sales Drawing             | SD-76866-1001              |
| Signal Integrity Report   | SI-76866-101               |
| Test Summary              | TS-76866-001, TS-76866-100 |

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