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Part Number: [1707290001](#)
Status: **Active**
Overview: iPass+™ HD Interconnect System
Description: iPass+™ zHD Vertical Internal Cable and Connector Assembly, 1x1, 0.76µm

Documents:

[3D Model](#) [Packaging Specification PK-76867-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E107635

General

Product Family I/O Connectors
 Series [170729](#)
 Application Wire-to-Board
 Component Type Internal Receptacles
 Overview [iPass+™ HD Interconnect System](#)
 Product Name iPass+™, zHD™
 Type N/A
 UPC 887191187877

Physical

Circuits (Loaded) 36
 Circuits (maximum) 36
 Color - Resin Black
 Durability (mating cycles max) 50
 Flammability 94V-0
 Lock to Mating Part Yes
 Material - Metal Copper Alloy
 Material - Plating Mating Gold over Nickel
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 3.037/g
 Number of Rows 1
 Orientation Vertical
 PC Tail Length 1.57mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.57mm
 Packaging Type Tray
 Panel Mount No
 Pitch - Mating Interface 0.75mm
 Plating min - Mating 0.076µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Temperature Range - Operating -40°C to +80°C
 Termination Interface: Style Through Hole - Compliant Pin
 Waterproof / Dustproof No

Electrical

Current - Maximum per Contact 1.0A
 Voltage - Maximum 48V DC

Solder Process Data

Lead-freeProcess Capability N/A



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/21/2016 (20 June
 2016)

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

ELV

Green Image

Not Relevant

Search Parts in this Series

[170729](#) Series

Mates With

[111074](#) , [111076](#) iPass Internal Cable
 Assembly

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 #**

I-PASS™ zHD Wafer [0622024900](#)

Assembly Removal

Tool

Press-In Tool for [0622030770](#)

iPass Vertical zHD

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|-----------------|
| Electrical Model Document | EE-170729-0001 |
| Packaging Specification | PK-76867-002 |
| S-Parameter Model | SP-170729-0001 |
| Sales Drawing | SD-170729-0001 |
| Signal Integrity Report | SI-170729-0001 |
| Symbol/Footprint Data | SYM-170729-0001 |

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