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**Part Number:** [1707290001](#)  
**Status:** **Active**  
**Overview:** [iPass+ HD Interconnect System](#)  
**Description:** iPass+ zHD Vertical Internal Connector Assembly, 1x1, Through Hole, 0.76µm Gold (Au) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-76867-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-76867-002-000 (PDF)</a>
<a href="#">Product Specification PS-170729-001-001 (PDF)</a>	<a href="#">Test Summary 1707290001-000 (PDF)</a>
<a href="#">Application Specification 1707290002-000 (PDF)</a>	<a href="#">Test Summary TS-170729-9906-001 (PDF)</a>
<a href="#">Application Specification AS-170729-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E107635

**General**

Product Family	I/O Connectors
Series	<a href="#">170729</a>
Application	Wire-to-Board
Component Type	Internal Receptacle
Overview	<a href="#">iPass+ HD Interconnect System</a>
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
Gender	Receptacle
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	High Temperature Thermoplastic
Net Weight	3.037/g
Number of Rows	4
Orientation	Vertical
PC Tail Length	1.37mm
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	0.760µm
Plating min - Termination	0.760µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-40° to +80°C
Termination Interface: Style	Through Hole - Compliant Pin



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[170729](#) Series

**Mates With**

[100189](#) , [100171](#) , [100190](#) , [100219](#) , [100172](#) , [100220](#) , [100221](#) , [100222](#) , [100223](#) , [100224](#) , [100225](#) , [100226](#)

**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 [622024900](#)

Assembly Removal Tool

Press-In Tool for [622030770](#)

iPass Vertical zHD

**Electrical**

Current - Maximum per Contact 1.0A  
Voltage - Maximum 48V AC (RMS) / 67V DC

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info****Reference - Drawing Numbers**

Application Specification 1707290002-000, AS-170729-0001-001,  
AS-76867-002-001  
Electrical Model Document EE-170729-0001  
Packaging Specification PK-76867-002-000  
Product Specification PS-170729-001-001  
S-Parameter Model SP-170729-0001  
Sales Drawing SD-170729-0001-000  
Signal Integrity Report SI-170729-0001  
Symbol/Footprint Data SYM-170729-0001  
Test Summary 1707290001-000, TS-170729-9906-001

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