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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	Application Specification AS-170729-0001 (PDF)
Drawing (PDF)	Application Specification AS-76867-002 (PDF)
Product Specification PS-170729-001 (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-free Process Capability	N/A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2014 December 17): No

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 Assembly Removal Tool	0622024900
Press-In Tool for iPass Vertical zHD	0622030770

Material Info

Reference - Drawing Numbers

Application Specification	AS-170729-0001, AS-76867-002
Electrical Model Document	EE-170729-0001
Product Specification	PS-170729-001
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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