



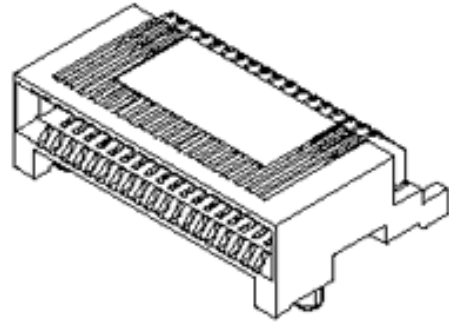
**Part Number :** [755860010](#)

**Product Description :** 0.80mm Pitch, iPass I/O Surface Mount Receptacle, Right-Angle, External Application, 38 Circuit, 0.38µm Gold (Au), Supports QSFP14 / FDR

**Series Number :** 75586

**Status :** Active

**Product Category :** High-Speed I/O Connectors



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## Documents & Resources

### Drawings

[Drawing 755860010\\_sd.pdf](#)

[Packaging Design Drawing PK-75586-002-001.pdf](#)

[Packaging Design Drawing PK-75586-101-001.pdf](#)

### 3D Models and Design Files

[3D Model 755860010\\_stp.zip](#)

[Electrical Model Document EE-75586-001-001.pdf](#)

[Signal Integrity Report SI-75586-0001-001.pdf](#)

[S-Parameter Model SP-75586-001-001.zip](#)

### Specifications

[Application Specification AS-170432-0003-001.pdf](#)


[Application Specification AS-75586-001-001.pdf](#)

[Product Specification PS-75586-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

#### Multiple Part Industry Compliance Documents

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

#### EU RoHS Certificate of Compliance

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### Part Details

#### General

Status	Active
Category	High-Speed I/O Connectors
Series	75586
Description	0.80mm Pitch, iPass I/O Surface Mount Receptacle, Right-Angle, External Application, 38 Circuit, 0.38µm Gold (Au), Supports QSFP14 / FDR
Application	Wire-to-Board
Comments	QSFP14 / FDR
Component Type	Receptacle
Product Family	iPass Connector System
Product Name	iPass,Mini Multi-Lane,PCI Express
Type	Pluggable
UPC	822348852499

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	0.5A
Data Rate	10.0 Gbps
Grounding to Panel	N/A

Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

## Physical

Boot Color	N/A
Circuits (Loaded)	38
Circuits (maximum)	38
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.977/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
Panel Mount	No
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.35mm
Pitch - Mating Interface	0.80mm
Pitch - Termination Interface	0.80mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-40° to +80°C
Termination Interface Style	Surface Mount
Waterproof / Dustproof	No

Wire Insulation Diameter	N/A
Wire Size (AWG)	N/A

### Solder Process Data

Max-Duration	20
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

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### Use with Part(s)

Description	Part Number
External iPass Mini Multi-Lane SAS Guide Frames	<u>74548</u>