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Part Number: [0755860009](#)
Status: **Active**
Overview: [ipass](#)
Description: 0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Right Angle, External Application, 26 Circuit, 0.76µm (30µ") Gold (Au)

Documents:
[3D Model](#) [Product Specification PS-75586-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

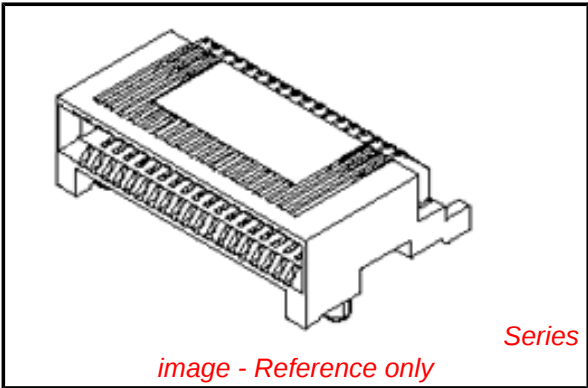
CSA LR19980
UL E29179

General

Product Family I/O Connectors
Series [75586](#)
Application Wire-to-Board
Component Type Receptacle
MolexKits Yes
Overview [ipass](#)
Product Name iPass™, PCI Express*, SAS
Type N/A

Physical

Boot Color N/A
Circuits (Loaded) 26
Circuits (maximum) 26
Color - Resin Black
Durability (mating cycles max) 250
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
Number of Rows 2
Orientation Right Angle
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (in) 0.053 In
PCB Thickness Recommended (mm) 1.35 mm
Packaging Type Embossed Tape on Reel
Panel Mount No
Pitch - Mating Interface (in) 0.031 In
Pitch - Mating Interface (mm) 0.80 mm
Pitch - Term. Interface (in) 0.031 In
Pitch - Term. Interface (mm) 0.80 mm
Plating min: Mating (µin) 30.4
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 101.6
Plating min: Termination (µm) 2.54
Polarized to Mating Part Yes
Polarized to PCB Yes



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Halogen-Free

China RoHS



Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[75586Series](#)

Mates With
[74547](#) iPass™ Cable Assembly

Use With
[74548](#) I/O Connectors

Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +80°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Insulation Diameter	N/A
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	N/A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	40
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

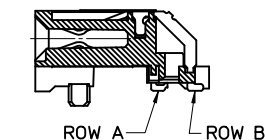
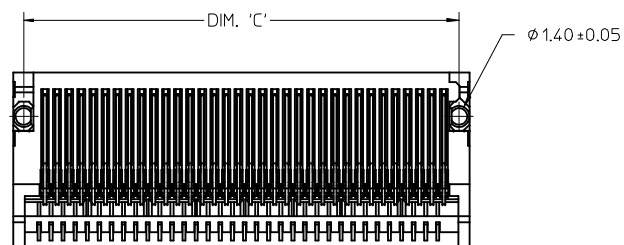
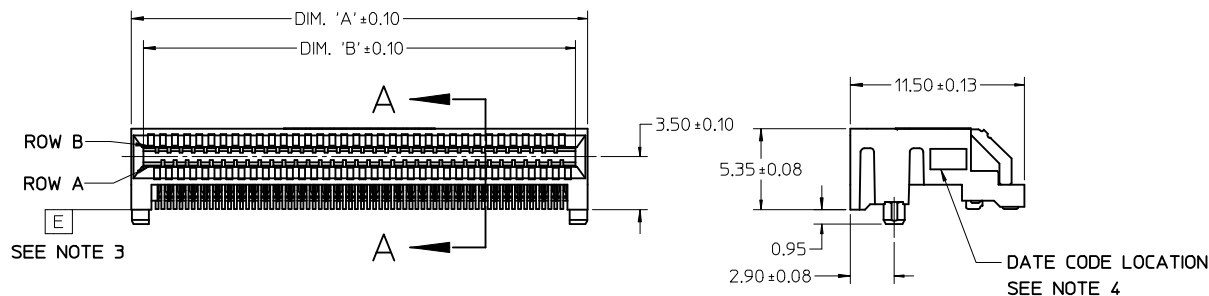
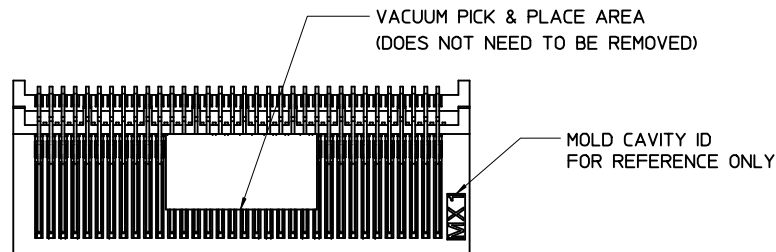
Material Info

Reference - Drawing Numbers

Application Specification	AS-75586-001
Packaging Specification	PK-75586-002, PK-75586-101
Product Specification	PS-75586-001
Sales Drawing	SD-75586-001

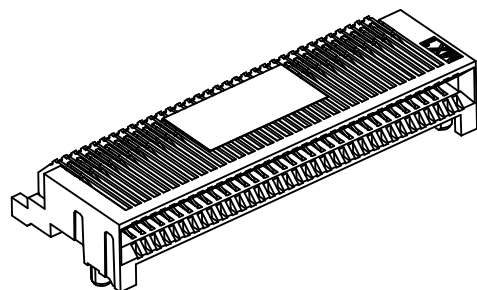
This document was generated on 06/07/2010

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SECTION A-A

68 CIRCUIT ASSEMBLY SHOWN



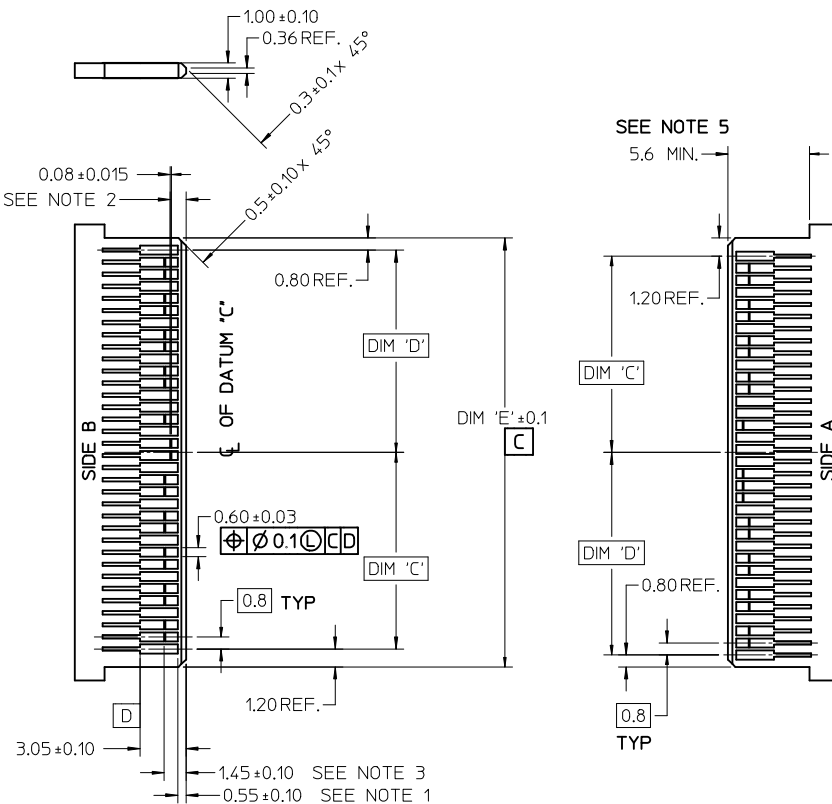
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	DIM 'A'	DIM 'B'	DIM 'C'
26	75586-0004	OPTION 1	13.40	11.80	12.00
26	75586-0009	OPTION 2	13.40	11.80	12.00
36	75586-0003	OPTION 1	17.40	15.80	16.00
36	75586-0008	OPTION 2	17.40	15.80	16.00
38	75586-0010	OPTION 1	18.20	16.60	16.80
38	75586-0011	OPTION 2	18.20	16.60	16.80
50	75586-0001	OPTION 1	23.00	21.40	21.60
50	75586-0006	OPTION 2	23.00	21.40	21.60
68	75586-0002	OPTION 1	30.20	28.60	28.80
68	75586-0007	OPTION 2	30.20	28.60	28.80

NOTES

- MATERIAL:
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED,
UL 94V-0, BLACK
TERMINALS - COPPER ALLOY
- PLATING:
OPTION 1
CONTACT AREA - 0.38 μm MIN GOLD OVER 2.54 μm MIN NICKEL
SOLDER FOOT AREA - 2.54 - 5.09 μm TIN OVER 2.54 μm MIN NICKEL.
OPTION 2
CONTACT AREA - 0.76 μm MIN GOLD OVER 2.54 μm NICKEL
SOLDER AREA - 2.54 - 5.09 μm TIN OVER 2.54 μm MIN NICKEL
- TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10/004 MEASURED FROM FRONT HOUSING STAND OFF (DATUM E)
- DATE CODE: 4 DIGIT (3 DIGIT DATE, 1 DIGIT YEAR)
- CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1
- TO BE USED WITH EXTERNAL CABLES (74546 & 74547 SERIES) AND GUIDE FRAMES (74540 & 74548 SERIES)
- TESTER/ANALYZER CABLES AVAILABLE (74557 & 74558 SERIES)
- PACKAGED PER PACKAGING SPECIFICATION: PK-75586-002
- CONFORMS TO PRODUCT SPECIFICATION: PS-75586-001
- THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

iPass™ IS A TRADEMARK OF MOLEX

UPDATE TOLERANCES EC NO: UCP2010-0536 2009/08/27 IDRWKLANG CHKD: 2009/09/29 APPR: MBANAKIS 2009/09/30	QUALITY SYMBOLS ▽=0 ◻=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	I-PASS R/A CONNECTOR EXTERNAL ASSEMBLY .8 MM PITCH I/O MOLEX INCORPORATED
				mm	INCH	DRAWN BY KREGNIER	DATE 07/28/04	TITLE		
			4 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 07/29/04			
			3 PLACES	± ---	± ---	APPROVED BY RNELSON	DATE 07/30/04			
			2 PLACES	± 0.13	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
			1 PLACE	± 0.25	± ---	SEE CHART	SD-75586-001	1 OF 3		
			ANGULAR ±1/2°							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



- NOTES:
1. PAD CONFIGURATION FOR FIRST MATE.
 2. PAD CONFIGURATION FOR SECOND MATE.
 3. PAD CONFIGURATION FOR THIRD MATE
(HIGH SPEED SIGNALS).
 4. FOR PIN ASSIGNMENTS AND MATING SEQUENCE
(1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
 5. MINIMUM STEP REQUIRED IF PCB MADE
WIDER THAN CARD TOUNGE.
 6. SEE 74540 OR 74548 SERIES FOR GUIDE FRAME
FOOT PRINT AND KEEP OUT AREA.

CIRCUIT SIZE	TERM/SIDE 'N'	PEG TO PEG FIRST PAD TO LAST PAD CENTERLINE TO PAD CENTERLINE TO PAD MODULE BOARD WIDTH CONNECTOR WIDTH					
		DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
26	13	12.00	10.00	4.60	5.00	11.60	13.90
36	18	16.00	14.00	6.60	7.00	15.60	17.90
38	19	16.80	14.80	7.00	7.40	16.40	18.70
50	25	21.60	19.60	9.40	9.80	21.20	23.50
68	34	28.80	26.80	13.00	13.40	28.40	30.70

SEE SHEET 1

EC NO: UCP2010-0536

DRW/KLANG

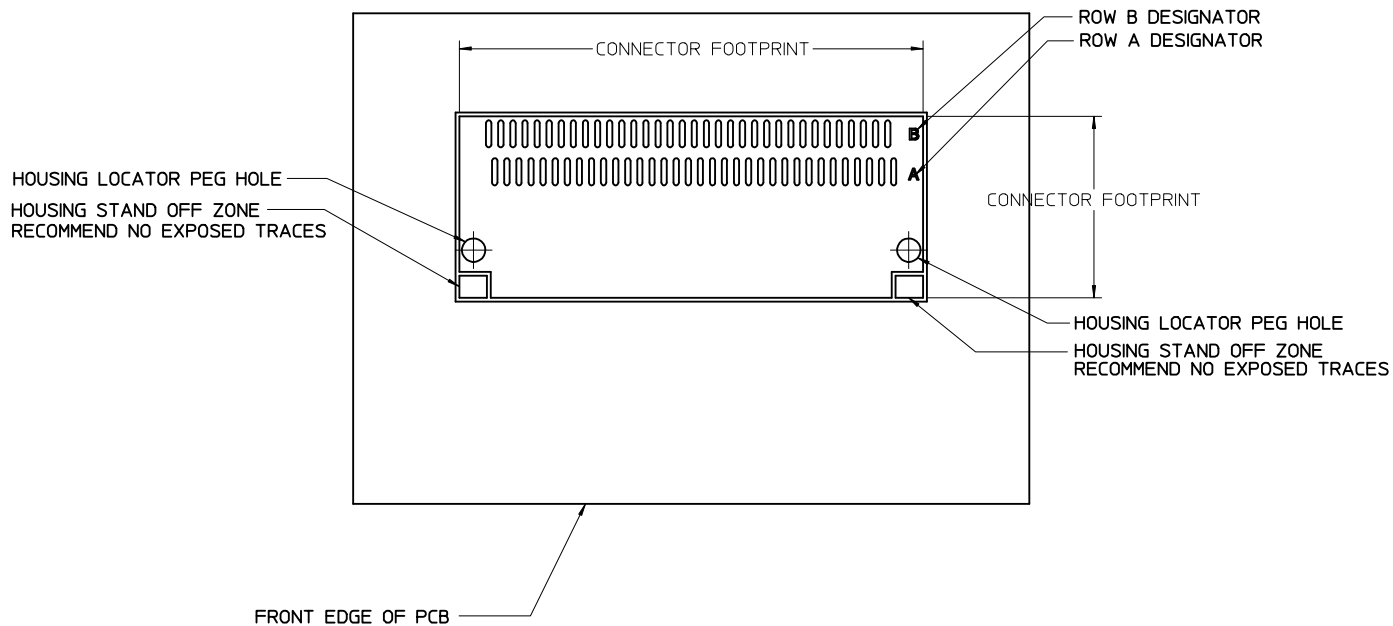
CHKD: 2009/08/27

2009/09/29

2009/09/30

PPR: MRANAK/S

SEE SHEET 1	EC NO: UCP2010-0536 DRWN:KLANG CHKD: APPR:MBANKI S	2009/08/27 2009/09/29 2009/09/30	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE I-PASS R/A CONNECTOR EXTERNAL ASSEMBLY .8 MM PITCH I/O MOLEX INCORPORATED	DOCUMENT NO. SD-75586-001	SHEET NO. 2 OF 3	
				▽=0 ◻=0	mm	INCH	DRAWN BY KREGNIER	DATE 07/28/04							
				4 PLACES ± --- ± ---	CHECKED BY JLONG	DATE 07/29/04									
				3 PLACES ± --- ± ---	APPROVED BY RNELSON	DATE 07/30/04									
				2 PLACES ± 0.13 ± ---											
				1 PLACE ± 0.25 ± ---											
				ANGULAR ± 1/2°											
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1									
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



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SEE SHEET 1 EC NO: UCP2010-0536 2009/08/27 DRWN:KLANG CHKD: 2009/09/29 APPR:MBANAKIS 2009/09/30	QUALITY SYMBOLS ▽=0 ◻=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE I-PASS R/A CONNECTOR EXTERNAL ASSEMBLY .8 MM PITCH I/O MOLEX INCORPORATED	
				mm	INCH						
			4 PLACES	± ---	± ---	DRAWN BY	DATE				
			3 PLACES	± ---	± ---	CHECKED BY	DATE				
			2 PLACES	± 0.13	± ---	JLONG	07/29/04				
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE				
			ANGULAR ±1/2°		RNELSON	07/30/04					
					MATERIAL NO.		DOCUMENT NO.				
					SEE CHART		SD-75586-001				SHEET NO. 3 OF 3
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						