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Part Number: [0755860010](#)
Status: **Active**
Overview: ipass
Description: 0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Right Angle, External Application, 38 Circuit, 0.38µm (15µ") Gold (Au)

Documents:

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

Agency Certification

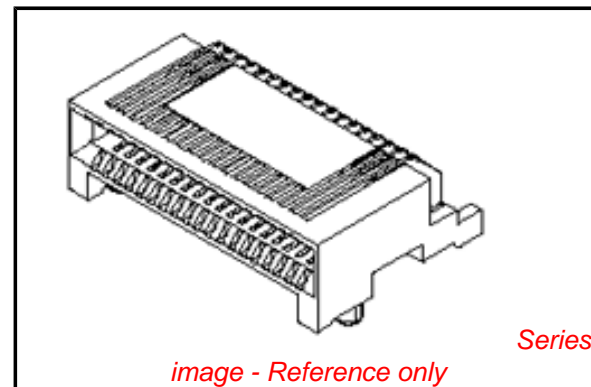
CSA LR19980

General

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

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
 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) 15.2
 Plating min: Mating (µm) 0.38
 Plating min: Termination (µin) 101.6
 Plating min: Termination (µm) 2.54
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Ports 1
 Surface Mount Compatible (SMC) Yes



EU RoHS

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

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](#)

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

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260

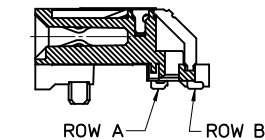
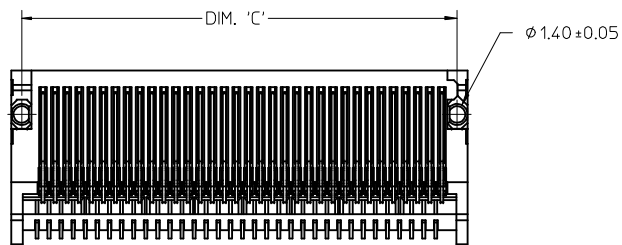
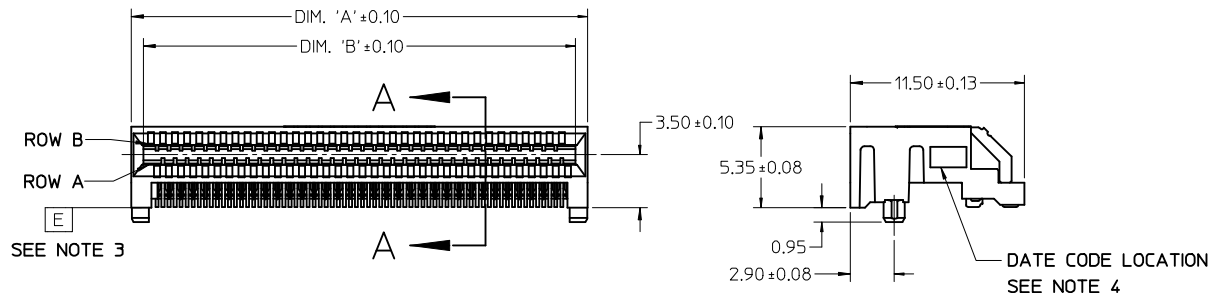
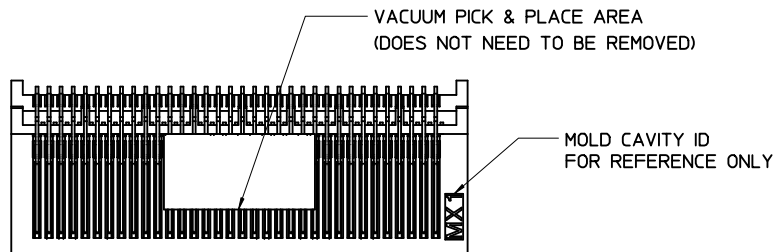
Material Info

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

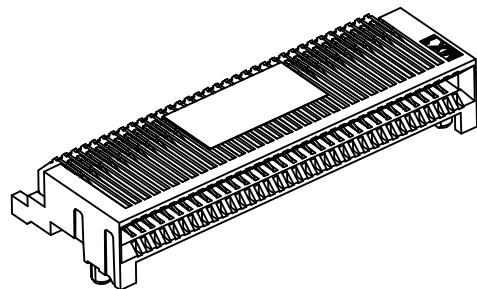
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SECTION A-A

68 CIRCUIT ASSEMBLY SHOWN



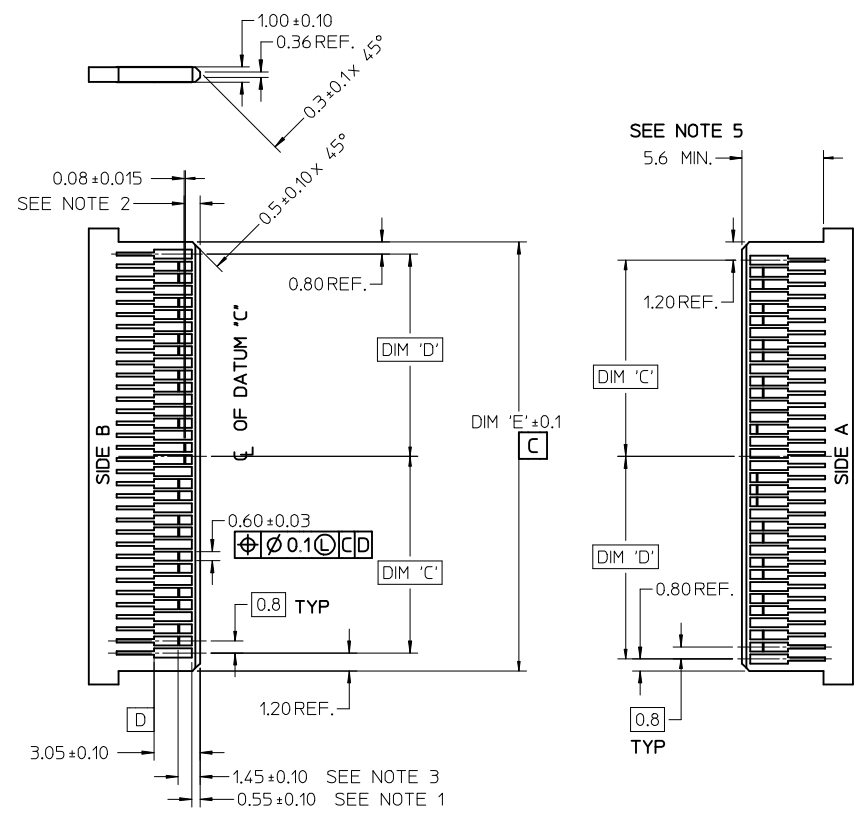
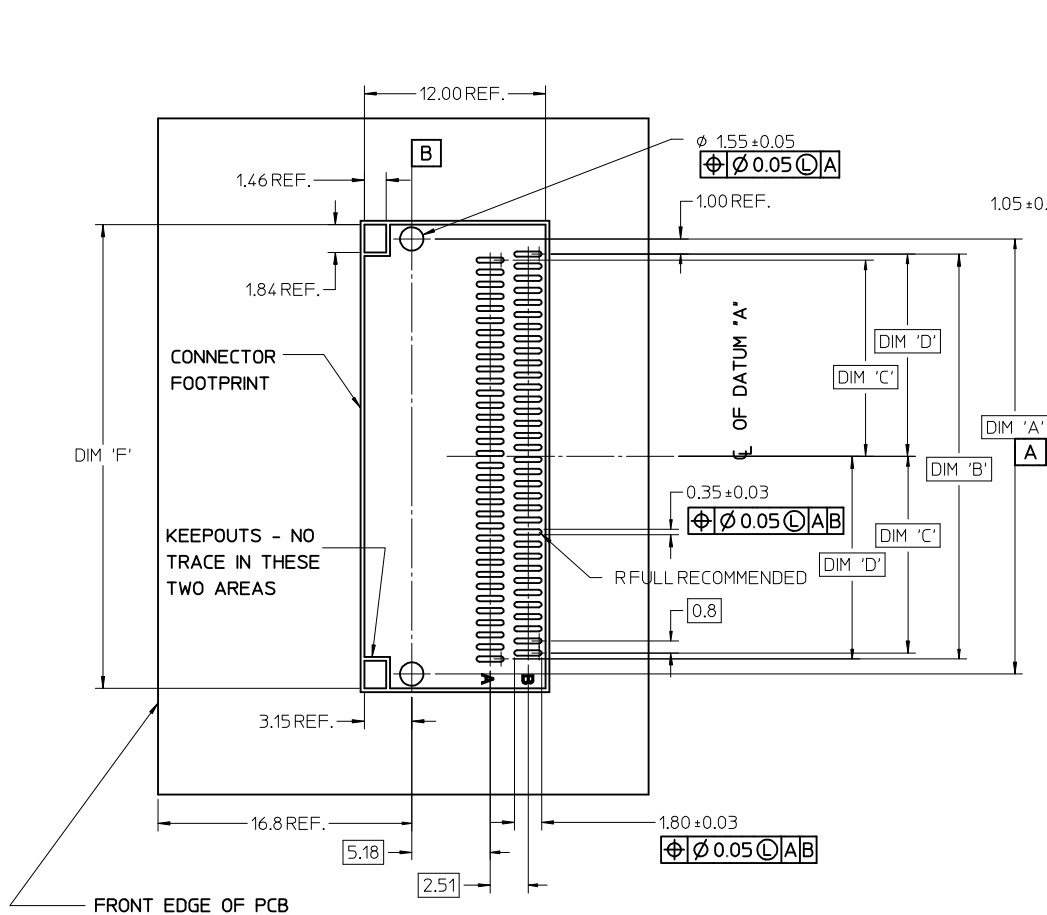
CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	DIM 'A'	DIM 'B'	DIM 'C'
26	75586-0004	OPTION 1	13.40	11.80	12.00
26	75586-0009	OPTION 2	13.40	11.80	12.00
36	75586-0003	OPTION 1	17.40	15.80	16.00
36	75586-0008	OPTION 2	17.40	15.80	16.00
38	75586-0010	OPTION 1	18.20	16.60	16.80
38	75586-0011	OPTION 2	18.20	16.60	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.

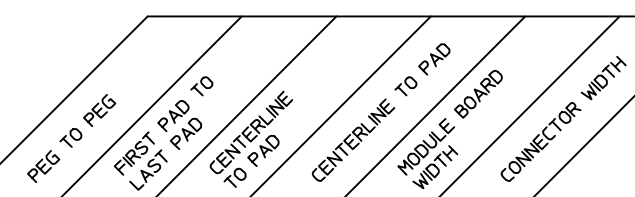
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UPDATE TOLERANCES EC NO: UCP2010-0536 IDRWINKLANG 2009/08/27 CHKD: 2009/09/29 APPR: MBANK LIS 2009/09/30 REV:	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY KREGNIER	DATE 07/28/04	I-PASS R/A CONNECTOR EXTERNAL ASSEMBLY .8 MM PITCH I/O		
						CHECKED BY JLONG	DATE 07/29/04			
						APPROVED BY RNELSON		DATE 07/30/04	MOLEX INCORPORATED DOCUMENT NO. SD-75586-001 SHEET NO. 1 OF 3	
				MATERIAL NO.		SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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

68 CIRCUIT SHOWN



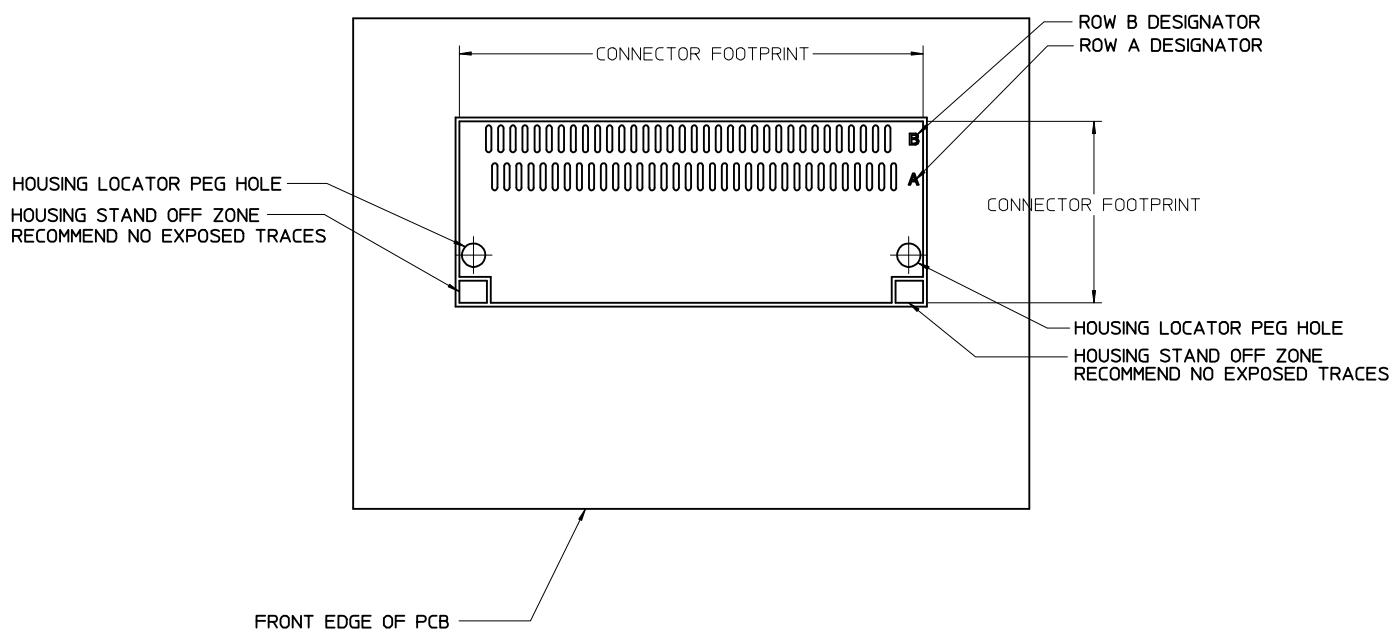
CIRCUIT SIZE	TERM/SIDE 'N'	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
26	13	12.00	10.00	4.60	5.00	11.60	13.90
36	18	16.00	14.00	6.60	7.00	15.60	17.90
38	19	16.80	14.80	7.00	7.40	16.40	18.70
50	25	21.60	19.60	9.40	9.80	21.20	23.50
68	34	28.80	26.80	13.00	13.40	28.40	30.70

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SEE SHEET 1 EC NO: UCP2010-0536 DRINKLANG 2009/08/27 CHKD: 2009/09/29 APPR: MBANAKIS 2009/09/30	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	DRAWN BY KREGNIER DATE 07/28/04	CHECKED BY JLONG DATE 07/29/04	APPROVED BY RNELSON DATE 07/30/04		MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-75586-001

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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