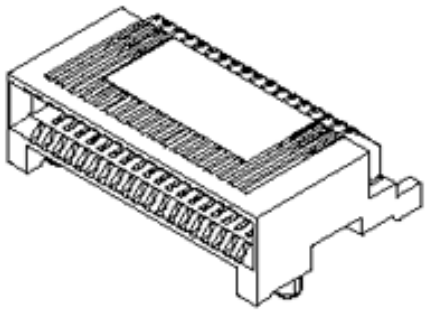
This document was generated on 05/28/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0755860004
Status: Active
Overview: ipass
Description: 0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Right Angle, External Application, 26 Circuit, 0.38µm (15µ") Gold (Au)



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-75586-001 (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
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)	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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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

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

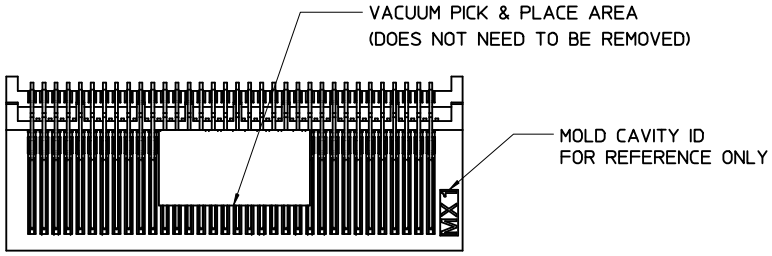
Solder Process Data

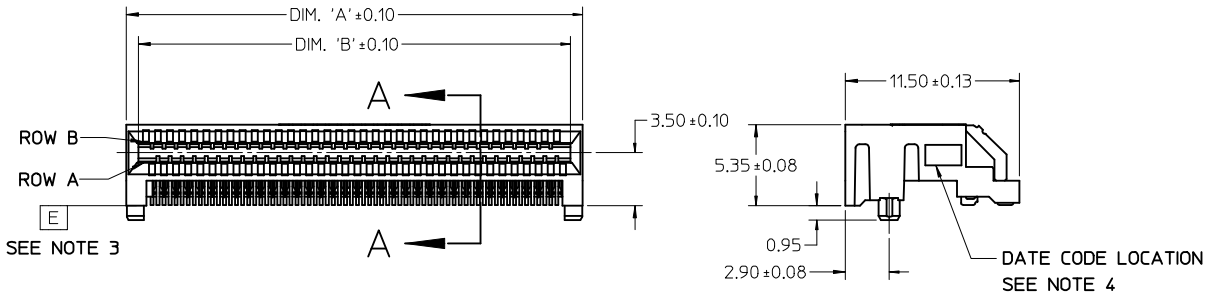
Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	260

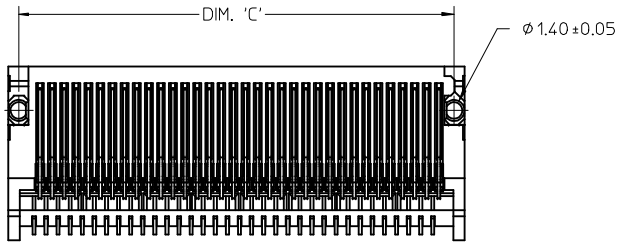
Material Info

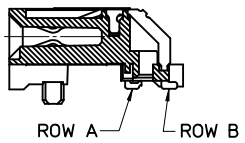
Reference - Drawing Numbers

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



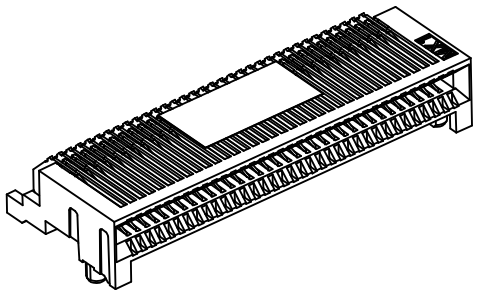






SECTION A-A

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

1. MATERIAL:
   HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
   TERMINALS - COPPER ALLOY
2. 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
3. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10/.004 MEASURED FROM FRONT HOUSING STAND OFF (DATUM E)
4. DATE CODE: 4 DIGIT (3 DIGIT DATE, 1 DIGIT YEAR)
5. CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1
6. TO BE USED WITH EXTERNAL CABLES (74546 & 74547 SERIES) AND GUIDE FRAMES (74540 & 74548 SERIES)
7. TESTER/ANALYZER CABLES AVAILABLE (74557 & 74558 SERIES)
8. PACKAGED PER PACKAGING SPECIFICATION: PK-75586-002
9. CONFORMS TO PRODUCT SPECIFICATION: PS-75586-001
10. 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
DRWN:KLANG 2009/09/29
CH'KD: APPR:MBANAKIS 2009/09/30
DESCRIPTION
REV: G

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

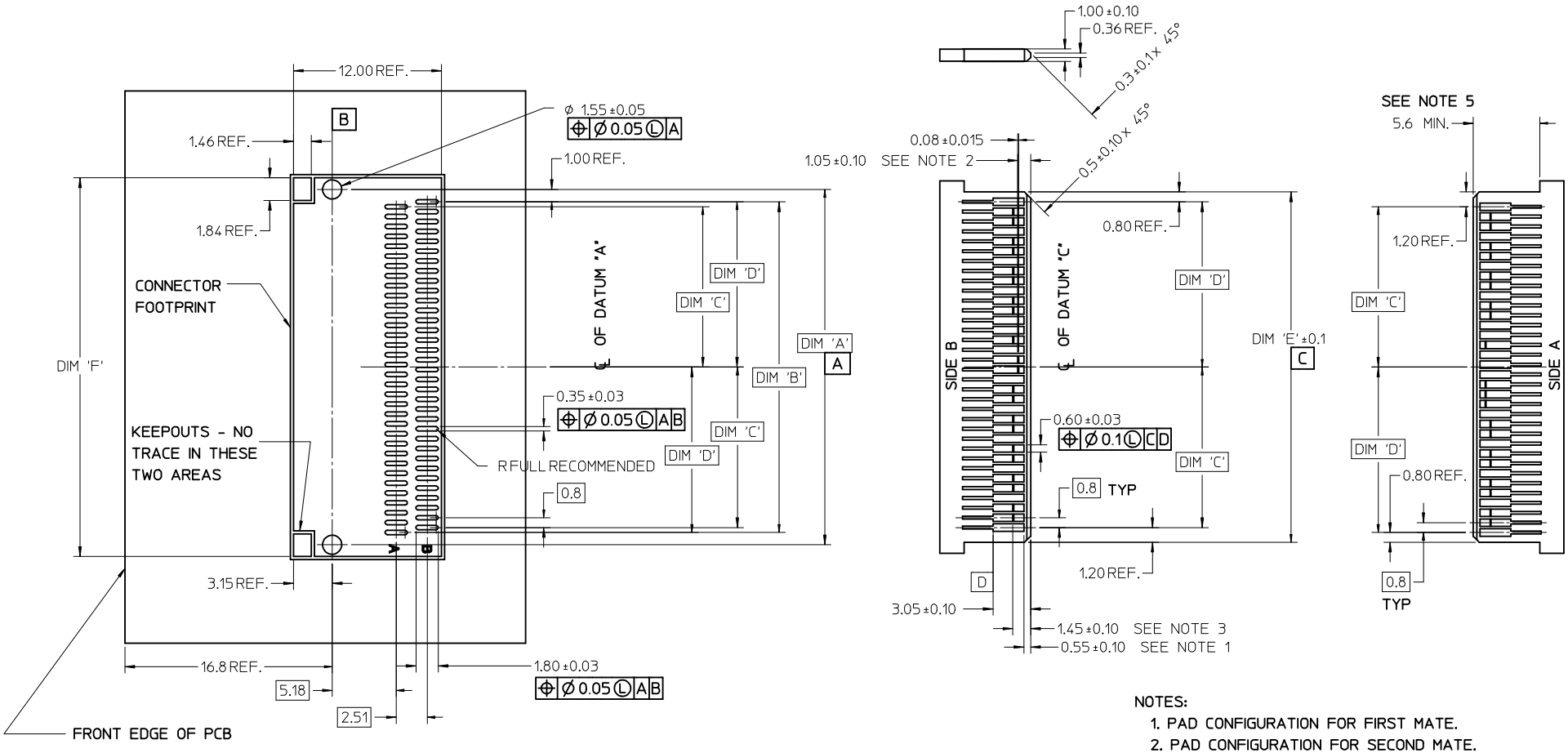
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	KREGNIER	07/28/04
CHECKED BY	JLONG	07/29/04
APPROVED BY	RNELSON	07/30/04

TITLE: I-PASS R/A CONNECTOR EXTERNAL ASSEMBLY .8 MM PITCH I/O
MOLEX INCORPORATED
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-75586-001
SHEET NO.: 1 OF 3
SIZE: C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



68 CIRCUIT SHOWN

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'	DIM 'A' (PEG TO PEG)	DIM 'B' (FIRST PAD TO LAST PAD)	DIM 'C' (CENTERLINE TO PAD)	DIM 'D' (CENTERLINE TO PAD)	DIM 'E' (MODULE BOARD WIDTH)	DIM 'F' (CONNECTOR WIDTH)
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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1
EC NO: UCP2010-0536 2009/08/27
DRWN:KLANG 2009/09/29
CH'KD: APPR:MBANAKIS 2009/09/30
DESCRIPTION
G REV

QUALITY SYMBOLS
▼=0
▽C=0

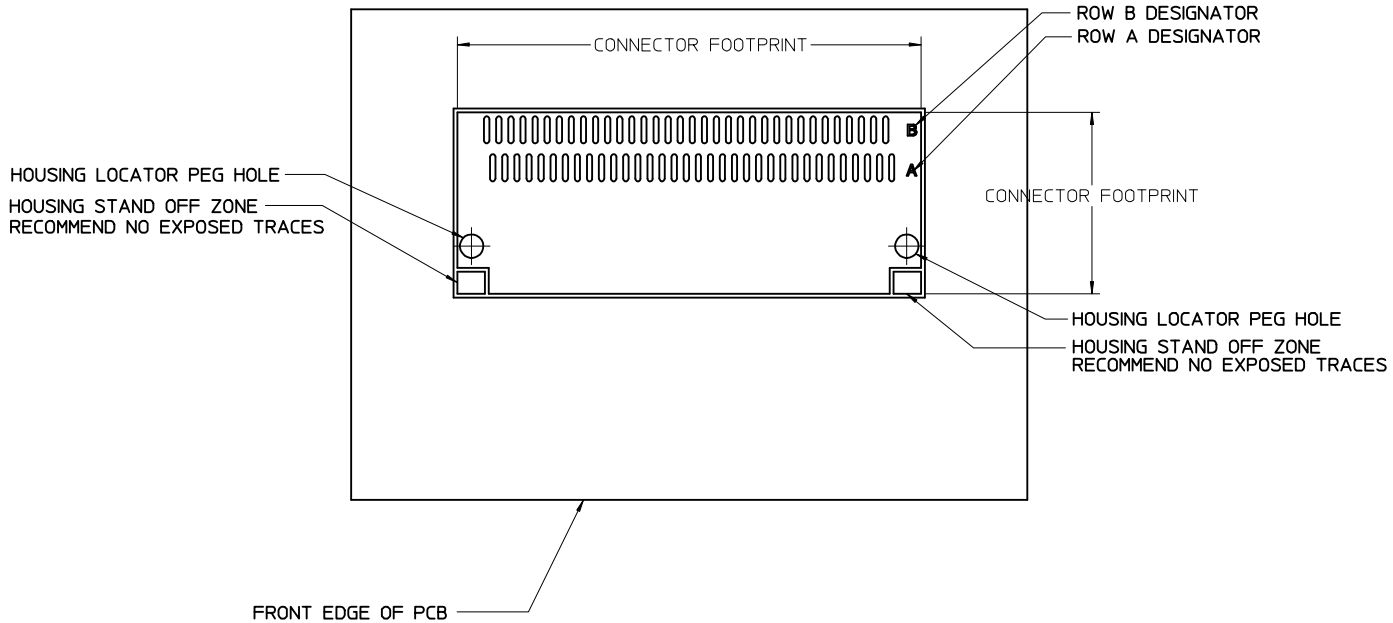
GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	KREGNIER 07/28/04
CHECKED BY / DATE	JLONG 07/29/04
APPROVED BY / DATE	RNELSON 07/30/04
MATERIAL NO.	SEE SHEET 1
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
SIZE	C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: UCP2010-0536 2009/08/27	▼=0		mm	INCH	MM ONLY	4:1	METRIC		
DRWN:KLANG 2009/09/29	▽(C)=0	4 PLACES	± ---	± ---	DRAWN BY KREGNIER	DATE 07/28/04	TITLE	I-PASS R/A CONNECTOR EXTERNAL ASSEMBLY .8 MM PITCH I/O	
CHKD:		3 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 07/29/04			
APPR:MBANAKIS 2009/09/30		2 PLACES	± 0.13	± ---	APPROVED BY RNELSON	DATE 07/30/04	molex	MOLEX INCORPORATED	
DESCRIPTION		1 PLACE	± 0.25	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-75586-001		SHEET NO. 3 OF 3
REV		ANGULAR ±1/2°							
G		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		