

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0755860011

Status:

Active

Overview:

ipass

Description:

0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Right Angle, External Application, 38 Circuit, 0.76µm (30µ") Gold (Au)

Documents:

3D Model

Drawing (PDF)

Product Specification PS-75586-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

General

Product Family

Series

Application

Component Type

Overview

Product Name

Type

I/O Connectors

75586

Wire-to-Board

Receptacle

ipass

iPass™, PCI Express*, SAS

N/A

Physical

Boot Color

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Gender

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Ports

Surface Mount Compatible (SMC)

N/A

38

38

Black

250

94V-0

Female

None

None

High Performance Alloy (HPA)

Gold

Tin

High Temperature Thermoplastic

2

Right Angle

Yes

None

0.053 In

1.35 mm

Embossed Tape on Reel

No

0.031 In

0.80 mm

0.031 In

0.80 mm

30.4

0.76

101.6

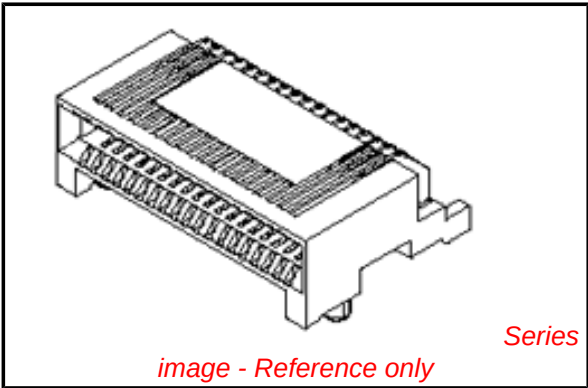
2.54

Yes

Yes

1

Yes



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free



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

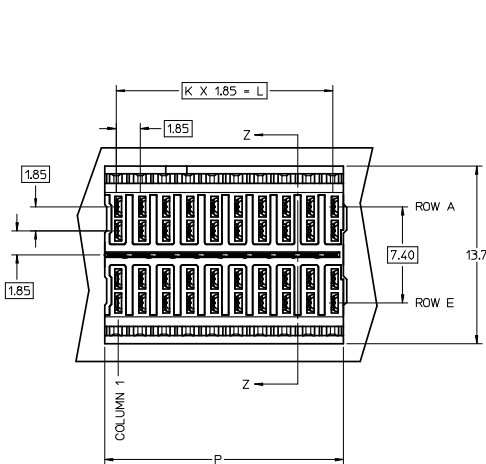
Material Info

Reference - Drawing Numbers

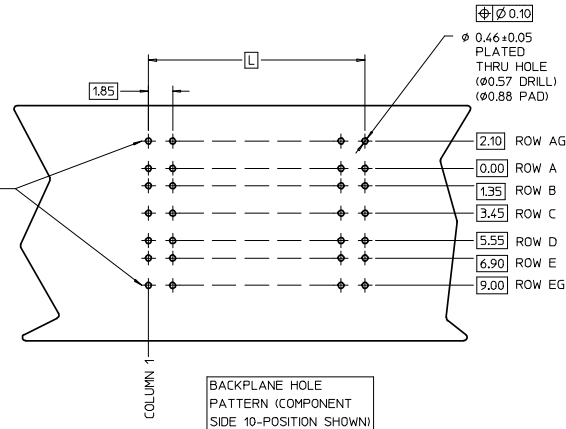
Application Specification	AS-75586-001
Packaging Specification	PK-75586-002, PK-75586-101
Product Specification	PS-75586-001
Sales Drawing	SD-75586-001

This document was generated on 05/28/2010

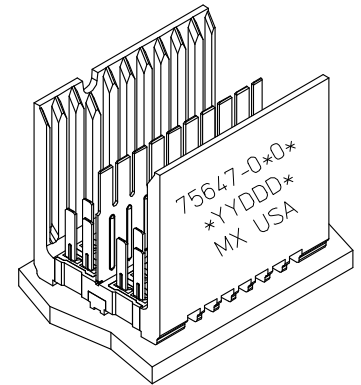
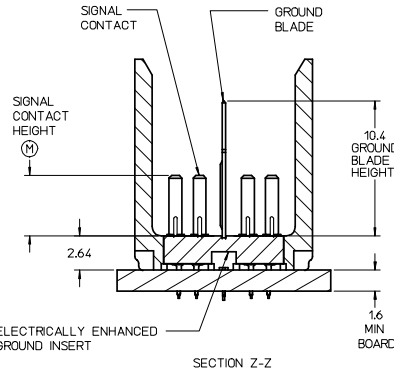
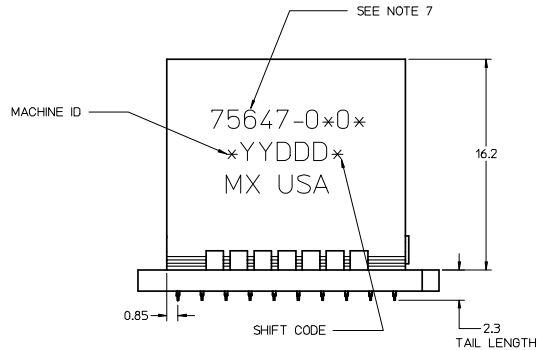
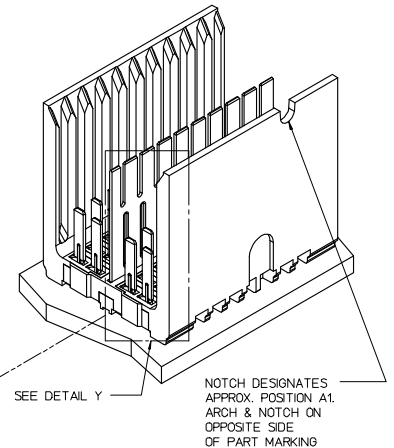
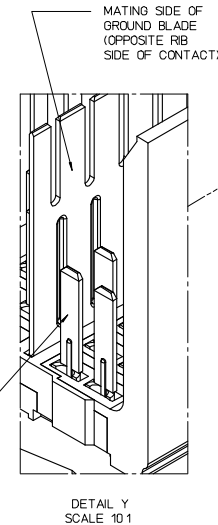
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ROWS AG & EG RECOMMENDED FOR ALL APPLICATIONS. THESE ROWS SHOULD BE CONNECTED TO GROUND.



BACKPLANE HOLE PATTERN (COMPONENT SIDE 10-POSITION SHOWN)



- NOTES:
1. MATERIAL: HOUSING - LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR - GRAY. ELECTRICALLY ENHANCED GROUND INSERT: CONDUCTIVE RESIN. COLOR - RED. SIGNAL CONTACT AND GROUND BLADE - HIGH PERFORMANCE COPPER ALLOY.
 2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA. SELECTIVE TIN/LEAD (Sn/Pb) ON PCB TAILS. NICKEL (Ni) OVERALL.
 3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
 4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR AVAILABILITY. CONTACT PAIRS MUST BE THE SAME LENGTH.
 5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION PLEASE REFER TO CHART.
 6. PACKAGE PER PK-70873-5058.
 7. MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN.
 8. THIS PART CONFORMS TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

COLUMN
01 = 10 COL
02 = 25 COL
05 = 5 COL

75647-**-0*

PIN LENGTH
DIM "M"
3=3.55 mm
4=4.55 mm
5=5.55 mm

KEYING
ORIENTATION
OPEN = 0 (NONE)

PART NUMBER TABLE				
ASSY PART NO.	K	L	P	TOTAL NO. OF DIFFERENTIAL PAIRS
75647-050*	4	7.40	9.10	10
75647-010*	9	16.65	18.35	20
75647-020*	24	44.40	46.10	50

REVISED (MINOR) EC NO: UCP2008-2211 DRN: JB INGHAM CHKD: CHM APPR: JLAURX 2008/03/10 2008/03/12 2008/03/24	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JB INGHAM	DATE 2006/01/18	TITLE GBX 2-PAIR BACKPLANE ELECTRICALLY ENHANCED OPEN END SALES ASSEMBLY		
			4 PLACES	± ---	± ---	CHECKED BY KMULVEY	DATE 2006/01/18	 MOLEX INCORPORATED		
			3 PLACES	± ---	± ---	APPROVED BY SREED	DATE 2006/01/18			
			2 PLACES	± 0.13	± ---	MATERIAL NO. SEE CHART				DOCUMENT NO. SD-75647-010
			1 PLACE	± 0.25	± ---	SHEET NO. 1 OF 1				
B2	REV	ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		