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Part Number: [0760645001](#)
Status: **Active**
Overview: [sfp_stacked_multiport_connectors](#)
Description: Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-1 Multi-Port Press Fit Connector without Lightpipe Ports, EMI Metal Gasket, 40 Circuits, Tin (Sn) Tails

Documents:

- | | |
|---|--|
| Drawing (PDF) | Test Summary (PDF) |
| 3D Model | Product Specification PS-75310-001 (PDF) |
| Application Specification (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	76064
Application	Module-to-Board
Component Type	Receptacle
Overview	sfp_stacked_multiport_connectors
Product Name	SFP Plus
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	40
Circuits (maximum)	40
Circuits Detail	40
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
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
PC Tail Length (in)	0.081 In
PC Tail Length (mm)	2.07 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
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)	30.4

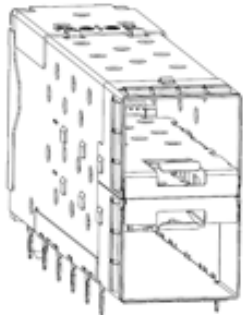


image - Reference only

Series

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

[76064Series](#)

Use With

[0759510999](#) SFP Dust Plug,

Application Tooling | FAQ

*Tooling specifications and manuals are
found by selecting the products below.
Crimp Height Specifications are then
contained in the Application Tooling
Specification document.*

Global

Description

Product #

SFP Insertion Tool, 20622029910	
x 1 Medium	
SFP Extraction Tool, 0622029930	
2 x 1 Medium	

Plating min: Termination (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Gasket
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

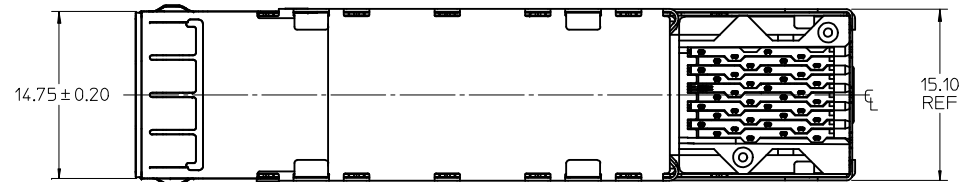
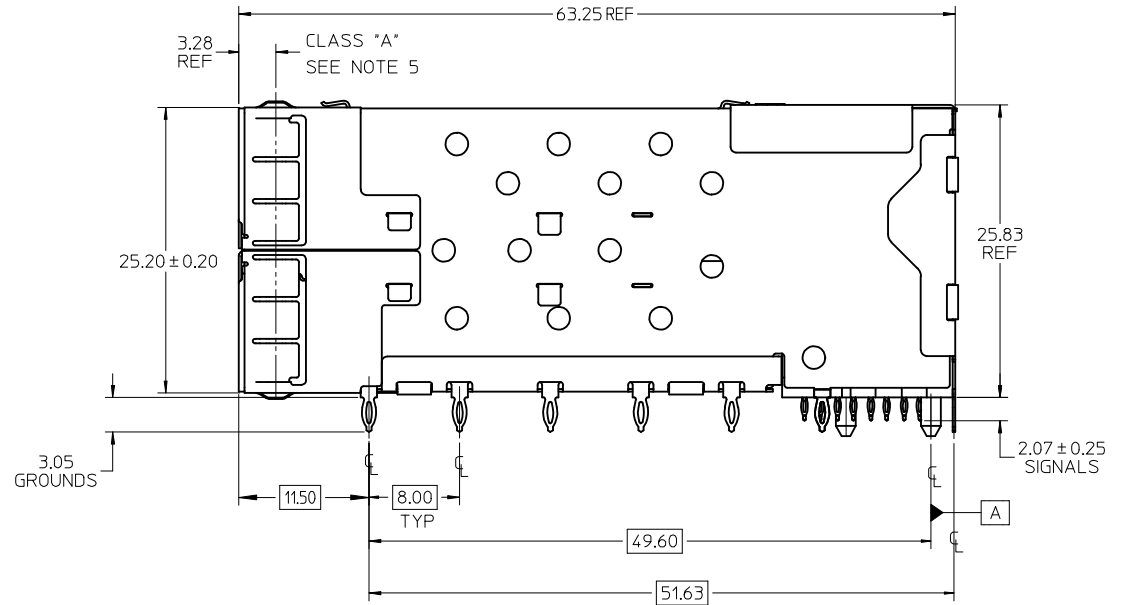
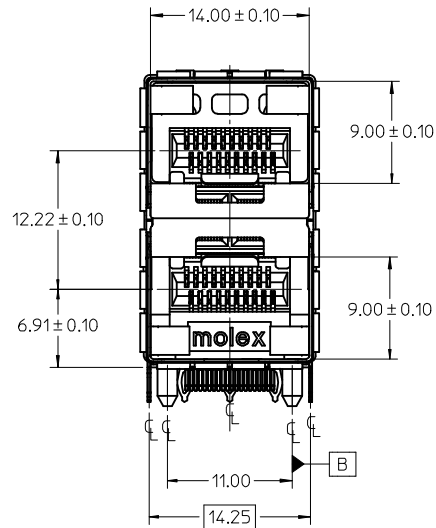
Reference - Drawing Numbers

Packaging Specification	PK-75462-001
Product Specification	PS-75310-001
Sales Drawing	SD-76064-001

This document was generated on 05/28/2010

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PART NUMBER	COMPLIANT TAIL PLATING
760640001	TIN / LEAD
760645001	TIN



NOTES

1. MATERIAL:

EMI METAL GASKET: PHOS-BRONZE
 CAGE: NICKEL SILVER, THICKNESS: 0.25mm
 CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC,
 COLOR: BLACK
 OVERMOLDED TERMINAL HOUSING: GLASS FILLED HIGH TEMP PLASTIC,
 COLOR: BLACK
 TERMINALS: BRASS

2. FINISH

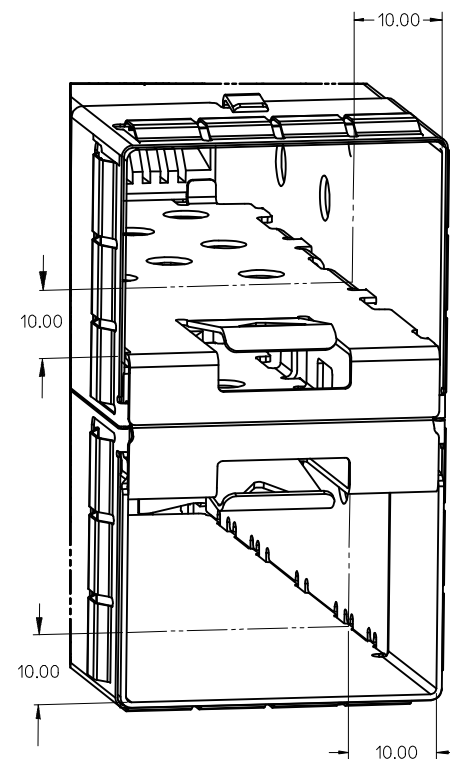
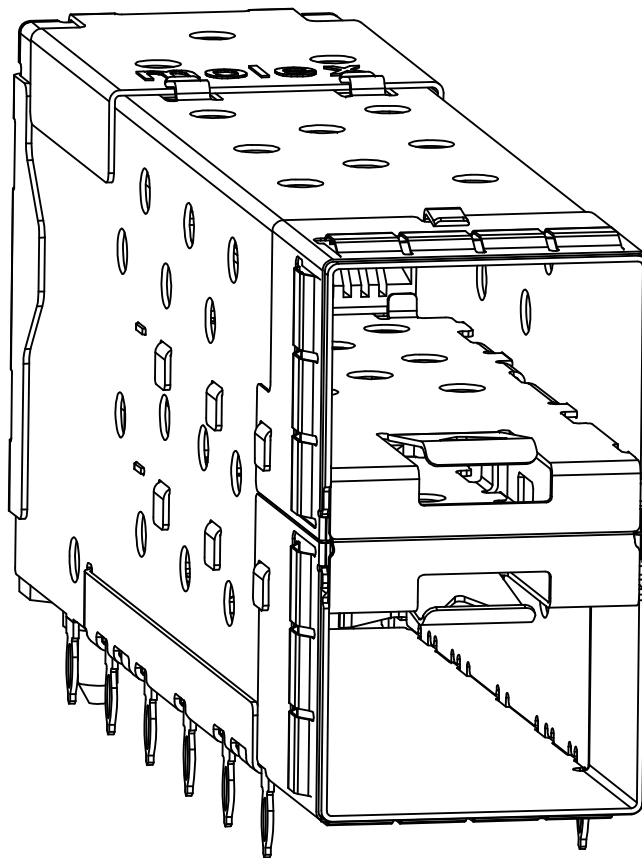
EMI METAL GASKET: 100 MICROINCHES NICKEL OVERALL
 TERMINALS: CONTACT AREA: 0.76 MICRONS MIN. HARD GOLD OVER
 1.27 MICRONS MIN. NICKEL.
 COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICRONS 90/10 TIN/LEAD
 OVER 0.76 - 1.52 MICRONS NICKEL
 COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICRONS TIN
 OVER 0.76 - 1.52 MICRONS NICKEL

3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECIFICATIONS.

4. REFER TO PK-75462-001 FOR ALL PACKAGING SPECIFICATIONS.

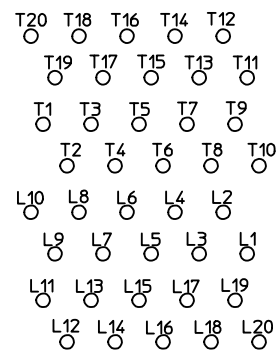
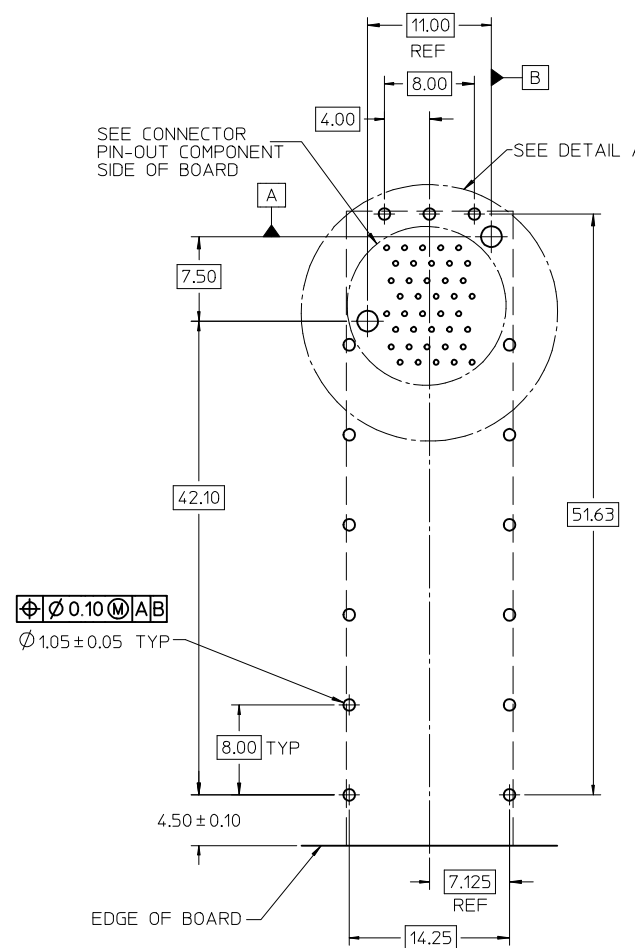
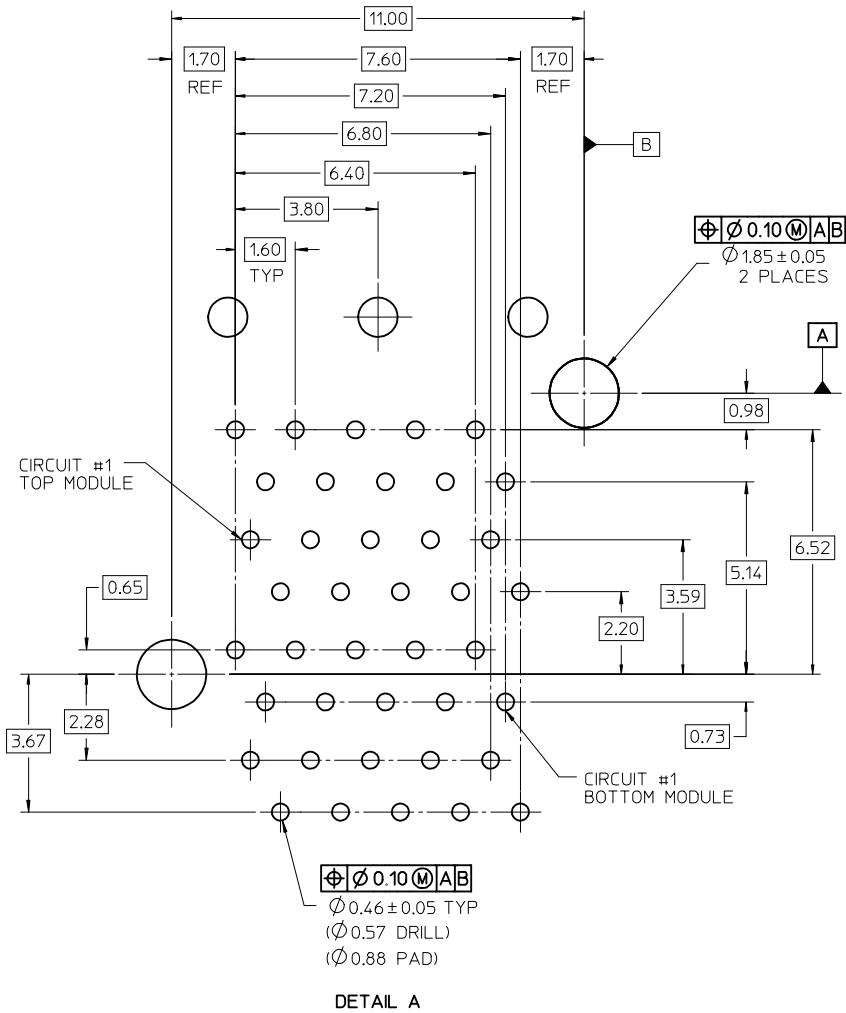
5. ALL EXTERIOR SURFACES TO BE CLASS 'B' SURFACE EXCEPT THE UNDER SIDE OF THE CAGE WHERE THE PCB WOULD BE LOCATED AND AS NOTED. THE SURFACES TO CONFORM TO THE MOLEX COSMETIC DOC PS-45499-002.

REVISED DIMENSIONS EC NO: UCP2009-0761 DRWN: JLONG 2008/09/29 CHKD: 2008/09/29 APPR: MBANAKIS2008/09/30	QUALITY SYMBOLS ▽ 0 ▽ 0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 5 °</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.13	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 5 °			SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
				mm	INCH																				
			4 PLACES	± ---	± ---																				
			3 PLACES	± ---	± ---																				
			2 PLACES	± 0.13	± ---																				
1 PLACE	± 0.25	± ---																							
ANGULAR ± 5 °																									
DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		TITLE STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET																					
		DRAWN BY JLANTELEZ		DATE 11/3/06		MOLEX INCORPORATED																			
		CHECKED BY JLONG		DATE 07/12/2007																					
		APPROVED BY MBANAKIS		DATE 07/12/2007																					
REV	D		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-76064-001		SHEET NO. 1 OF 4																		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						C																



MODULE PORT DETAIL
10.00MM AREA SETBACK IN CAGE IS TO BE FREE OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURES.
(4 SIDES PER MODULE PORT)

SEE SHEET 1 EC NO: UCP2009-0761 DRWN: JLONG 2008/09/29 CHKD: 2008/09/29 APPR: MBANAKIS2008/09/30	DESCRIPTION	QUALITY SYMBOLS ▽ - 0 ▽C - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET		
			4 PLACES	± ---	± ---	DRAWN BY JJANTELEZ	DATE 11/3/06			
			3 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 07/12/2007	molex MOLEX INCORPORATED		
			2 PLACES	± 0.13	± ---	APPROVED BY MBANAKIS	DATE 07/12/2007			MATERIAL NO. SEE CHART
			1 PLACE	± 0.25	± ---					
			ANGULAR ± 5 °							
			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					

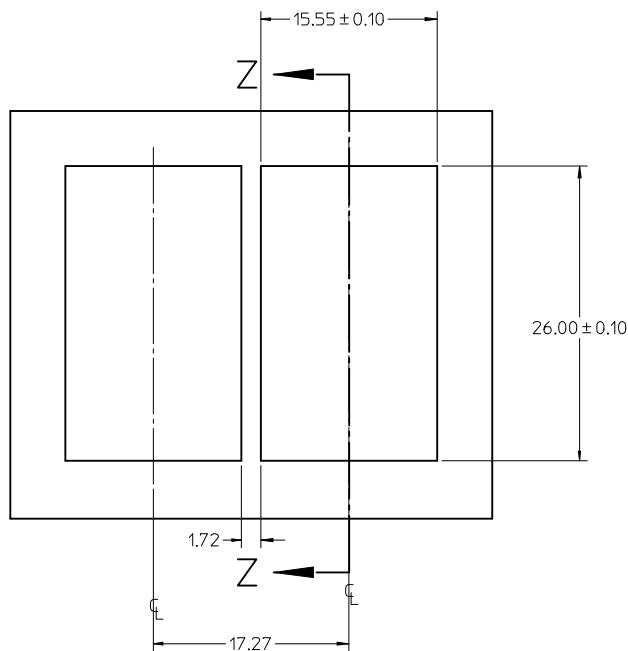


CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD
SCALE 10:1

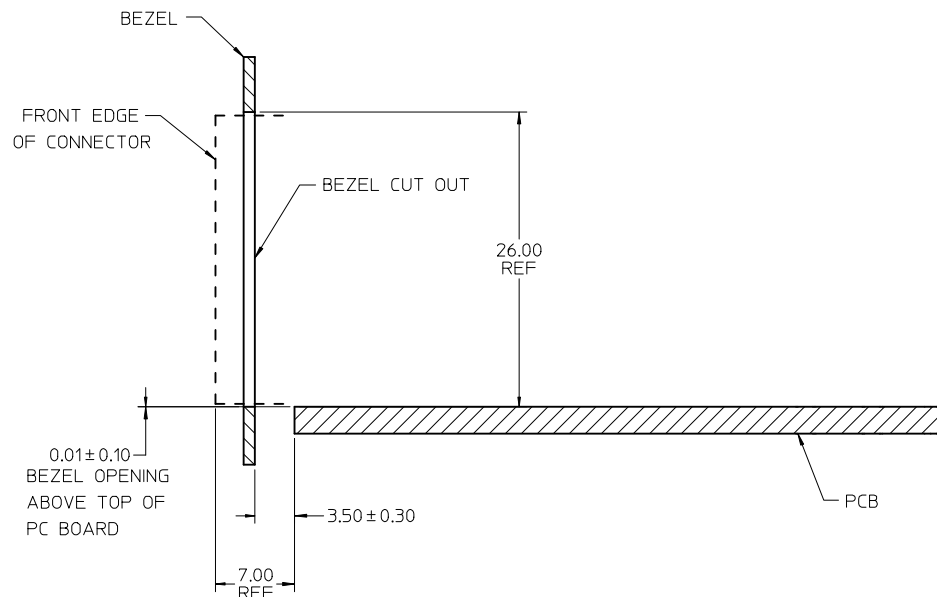
RECOMMENDED PCB LAYOUT - COMPONENT SIDE
MINIMUM PCB THICKNESS OF 1.57mm
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA INDICATED
BY THE DASHED LINE

SEE SHEET 1 EC NO: UCP2009-0761 DRWN: JLONG 2008/09/29 CHKD: 2008/09/29 APPR: MBANAKIS2008/09/30	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET		
			4 PLACES	± ---	± ---	DRAWN BY	DATE			
			3 PLACES	± ---	± ---	JJANTELEZ	11/3/06			
			2 PLACES	± 0.13	± ---	CHECKED BY	DATE	molex MOLEX INCORPORATED		
			1 PLACE	± 0.25	± ---	JLONG	07/12/2007			
D	REV		ANGULAR ± 5 °		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			DRAFT WHERE APPLICABLE		MBANAKIS	07/12/2007	SEE CHART	SD-76064-001	3 OF 4	
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					6.57

12 11 10 9 8 7 6 5 4 3 2 76064



BEZEL CUT-OUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



SECTION Z-Z

SEE SHEET 1 EC NO: UCP2009-0761 DRWN: JLONG 2008/09/29 CHKD: 2008/09/29 APPR: MBANAKIS2008/09/30	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		REVISE ON CAD ONLY	
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET			
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D	REV		1 PLACE	± 0.25	± ---	ANGULAR ± 5 °					
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11 10 9 8 7 6 5 4 3 2 1