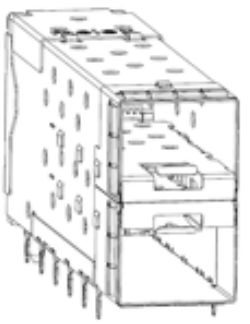
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Part Number: 0760640001
Status: Obsolete
Overview: sfp_stacked_multiport_connectors
Description: Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-1 Multi-Port Press Fit Connector without Lightpipe Ports, EMI Metal Gasket, 40 Circuits, Tin (Sn)/Lead(Pb) Tails



Series image - Reference only

Documents:
Drawing (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-Lead
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
Plating min: Termination (µm)	0.76

EU RoHS | **China RoHS**
RoHS Compliant by Exemption
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
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, 2 x 1 Medium	0622029910
SFP Extraction Tool, 2 x 1 Medium	0622029930

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

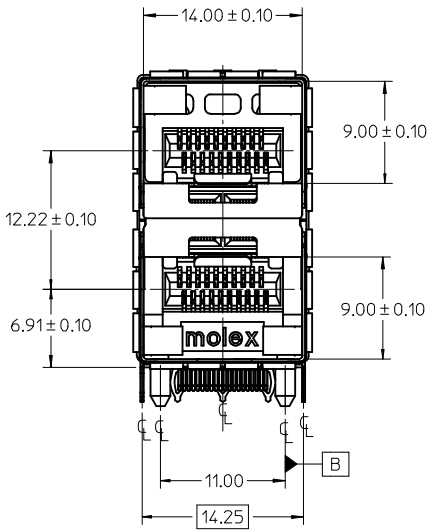
Packaging Specification	PK-75462-001
Product Specification	PS-75310-001
Sales Drawing	SD-76064-001

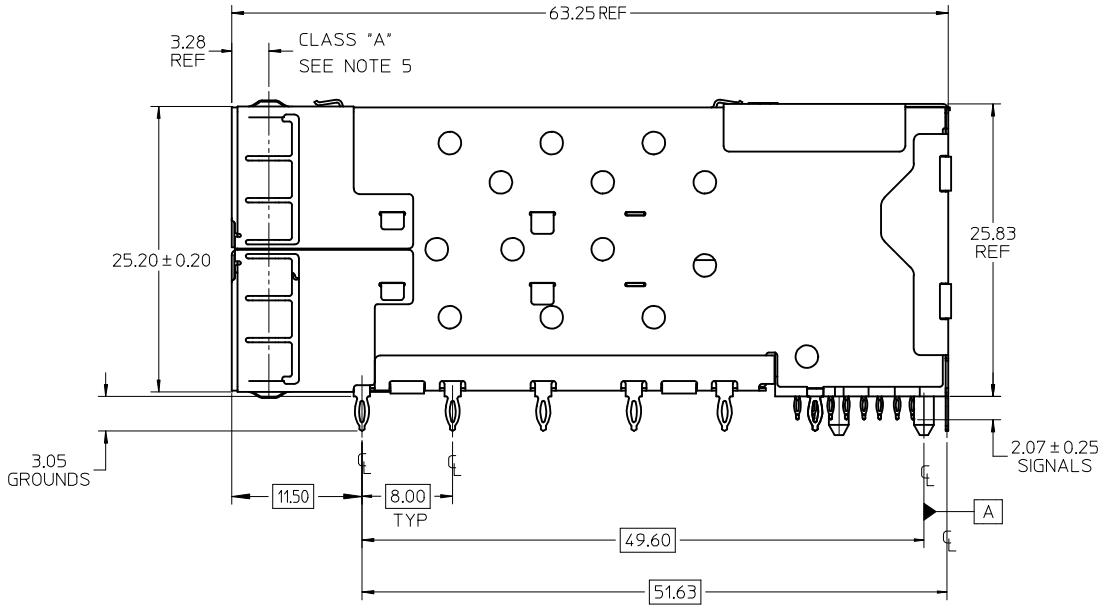
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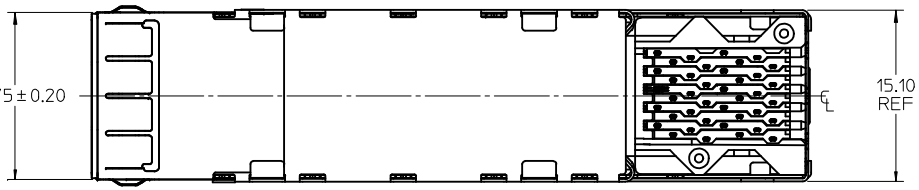
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76064

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 PACKLAGING 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 2008/09/29
DRWN: JLONG 2008/09/29
CH'KD: APPR: MBANAKIS 2008/09/30
DESCRIPTION
REV
D

QUALITY SYMBOLS
▼ - 0
Ⓒ - 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 5 °		

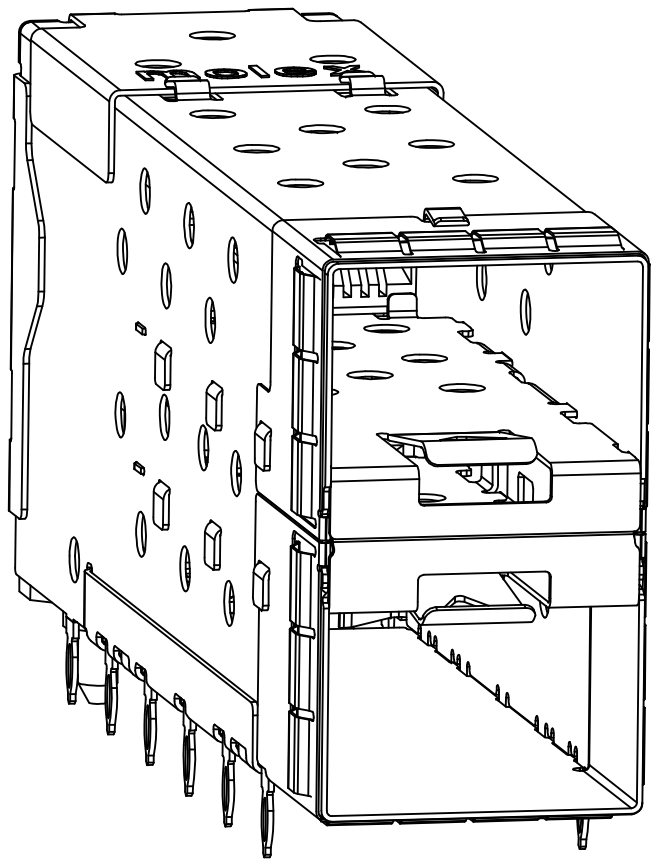
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

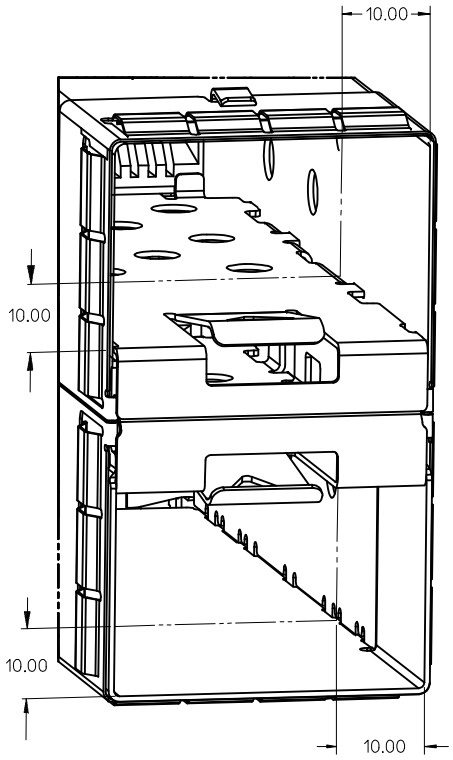
SCALE	3:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
DIMENSION STYLE	MM ONLY
DRAWN BY / DATE	JJANTELEZ 11/3/06
CHECKED BY / DATE	JLONG 07/12/2007
APPROVED BY / DATE	MBANAKIS 07/12/2007
TITLE	STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-76064-001
SHEET NO.	1 OF 4

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C

tb_frame_C-B1
rev. B1 2000/08/01



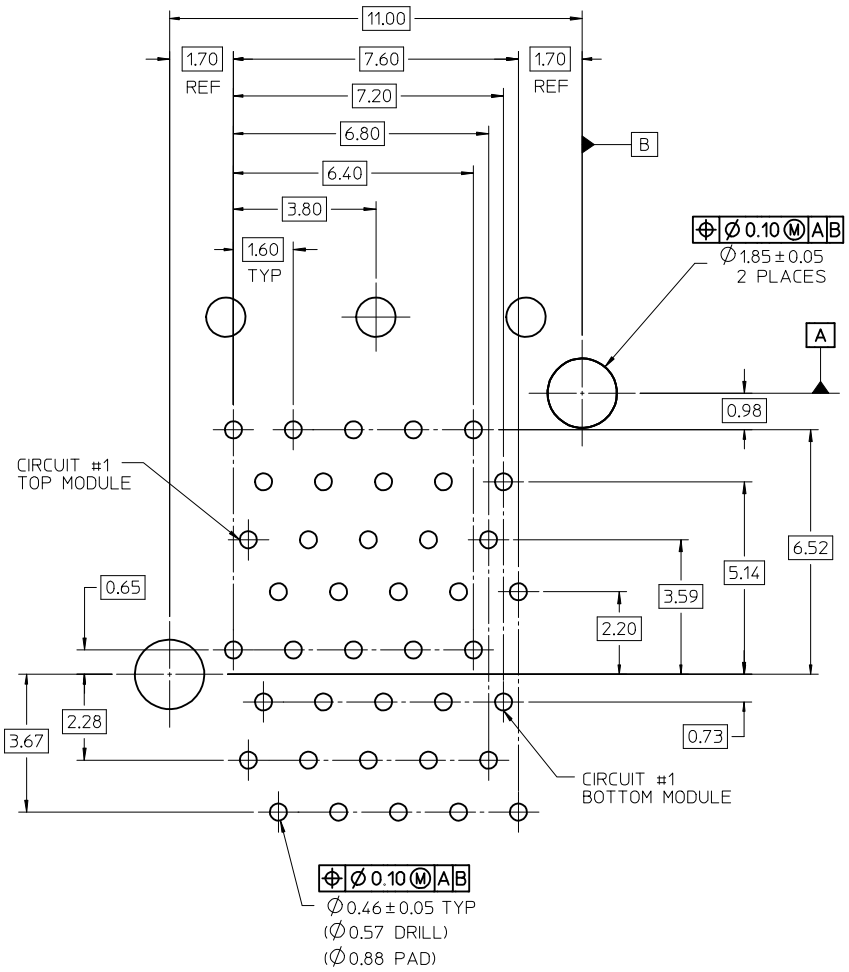


MODULE PORT DETAIL
10.00MM AREA SETBACK IN CAGE IS TO BE FREE OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURES.
(4 SIDES PER MODULE PORT)

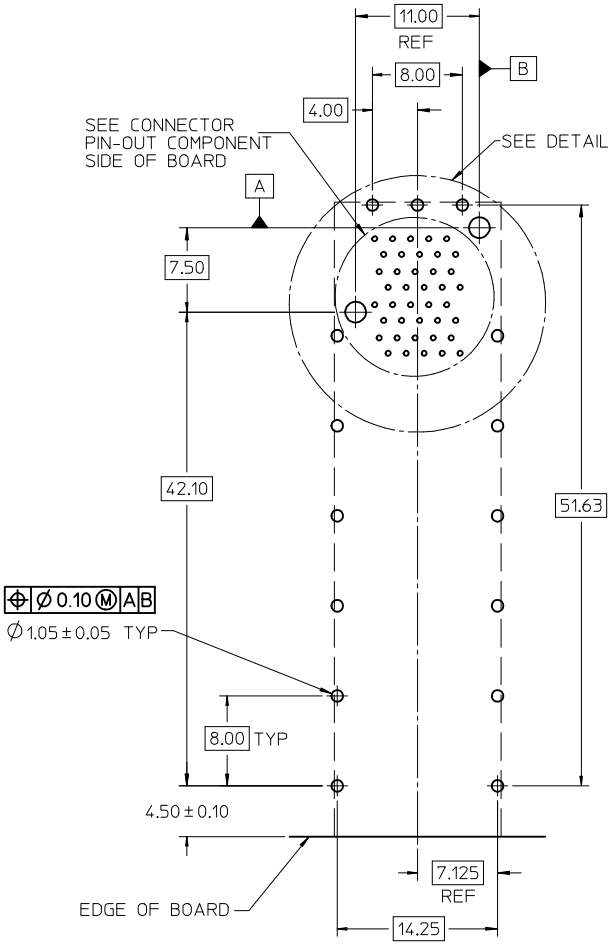
SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION / REVISE ON CAD ONLY
EC NO: UCP2009-0761 2008/09/29			mm / INCH	DIMENSION STYLE MM ONLY		TITLE: STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET
DRWN: JLONG 2008/09/29		4 PLACES	± --- / ± ---	DRAWN BY JJANTELEZ	DATE 11/3/06	
CH'KD:		3 PLACES	± --- / ± ---	CHECKED BY JLONG	DATE 07/12/2007	molex MOLEX INCORPORATED
APPR: MBANAKIS 2008/09/30		2 PLACES	± 0.13 / ± ---	APPROVED BY MBANAKIS	DATE 07/12/2007	MATERIAL NO. SEE CHART / DOCUMENT NO. SD-76064-001 / SHEET NO. 2 OF 4
DESCRIPTION		1 PLACE	± 0.25 / ± ---			
D		ANGULAR ± 5 °				
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

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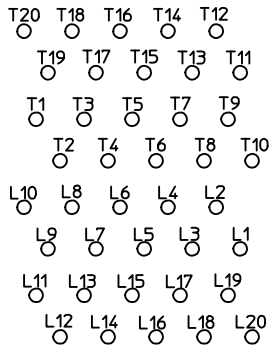
C



DETAIL A



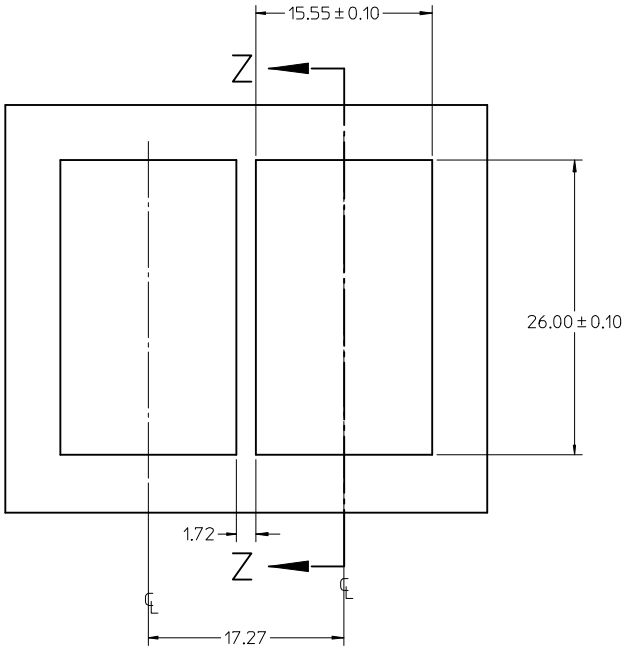
RECOMMENDED PCB LAYOUT - COMPONENT SIDE
MINIMUM PCB THICKNESS OF 1.57mm
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA INDICATED
BY THE DASHED LINE



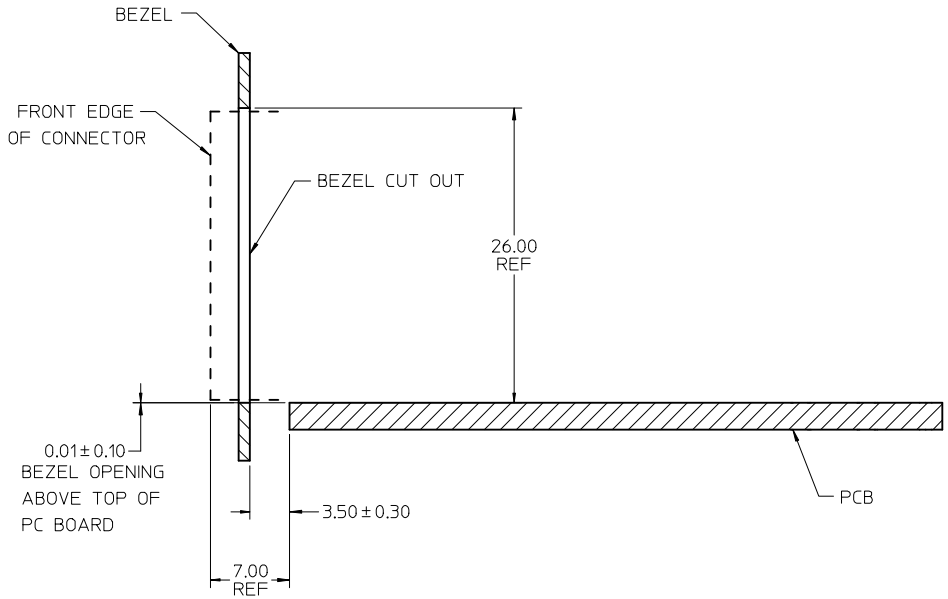
CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD
SCALE 10:1

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 3:1 / DESIGN UNITS METRIC / THIRD ANGLE PROJECTION / REVISE ON CAD ONLY
EC NO: UCP2009-0761 2008/09/29	▼ - 0	mm / INCH	DIMENSION STYLE: MM ONLY
DRWN: JLONG 2008/09/29	⌭ - 0	4 PLACES ± --- / ± ---	TITLE: STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET
CH'KD:		3 PLACES ± --- / ± ---	DRAWN BY: JJANTELEZ DATE: 11/3/06
APPR: MBANAKIS 2008/09/30		2 PLACES ± 0.13 / ± ---	CHECKED BY: JLONG DATE: 07/12/2007
DESCRIPTION		1 PLACE ± 0.25 / ± ---	molex MOLEX INCORPORATED
REV: D		ANGULAR ± 5 °	APPROVED BY: MBANAKIS DATE: 07/12/2007 / MATERIAL NO.: SEE CHART / DOCUMENT NO.: SD-76064-001 / SHEET NO.: 3 OF 4
		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

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rev. B1 2000/08/01



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



SECTION Z-Z

SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
EC NO: UCP2009-0761 2008/09/29			mm / INCH	DIMENSION STYLE MM ONLY		TITLE: STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET	
DRWN: JLONG 2008/09/29		4 PLACES	± --- / ± ---	DRAWN BY JJANTELEZ	DATE 11/3/06		
CH'KD:		3 PLACES	± --- / ± ---	CHECKED BY JLONG	DATE 07/12/2007	molex MOLEX INCORPORATED	
APPR: MBANAKIS 2008/09/30		2 PLACES	± 0.13 / ± ---	APPROVED BY MBANAKIS	DATE 07/12/2007	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-76064-001
DESCRIPTION		1 PLACE	± 0.25 / ± ---				SHEET NO. 4 OF 4
D		ANGULAR ± 5 °					
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

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C