

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0760445001

Status:

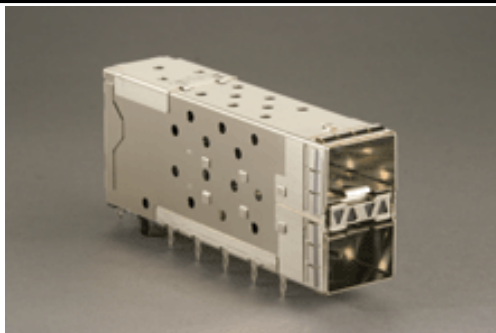
Active

Overview:

sfp_stacked_multiport_connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-1 Multi-Port Connector with 4 Lightpipe Ports, EMI Metal Gasket, 40 Circuits, Tin (Sn) Tails



Series
image - Reference only

Documents:

3D Model

Drawing (PDF)

Application Specification (PDF)

Product Specification PS-75310-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	76044
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, Clear (Blue Tint)
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic, Polycarbonate
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

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
76044Series

Use With
0759510999 SFP Dust Plug,

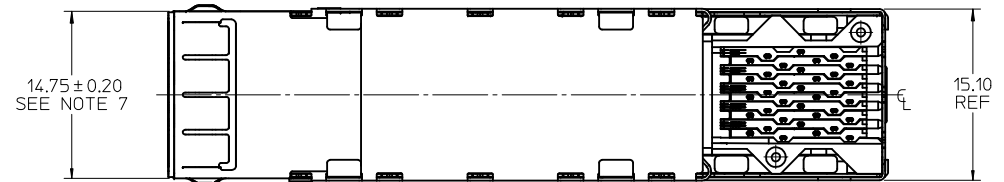
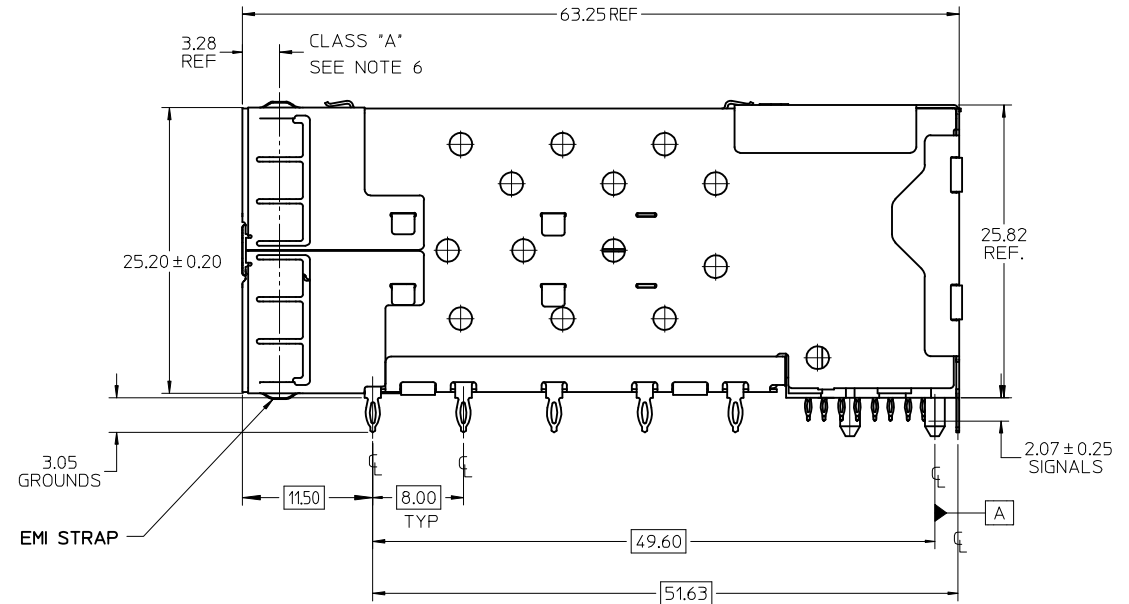
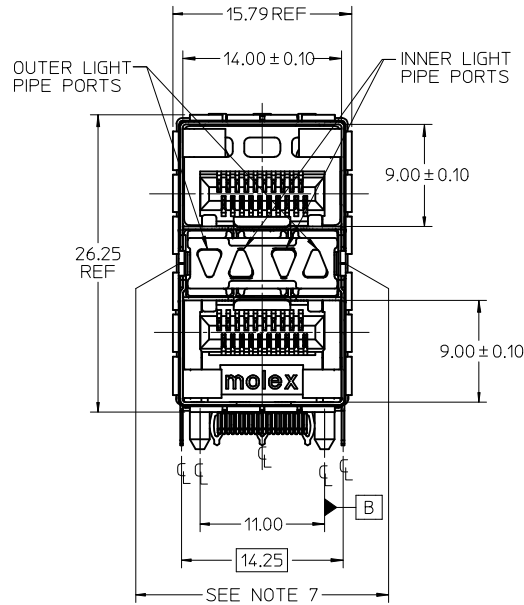
Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global
DescriptionProduct #
SFP Insertion Tool, 20622029910
x 1 Medium
SFP Extraction Tool, 0622029930
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)	No
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	
Application Specification	AS-75310-001
Packaging Specification	PK-75462-001
Product Specification	PS-75310-001
Sales Drawing	SD-76044-001
Test Summary	TS-75310-001

This document was generated on 05/27/2010

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PART NUMBER	DESCRIPTION	VIEW	COMPLIANT TAIL PLATING
760440001	4 LIGHT PORTS	SEE PG 2	TIN / LEAD
760440002	INNER 2 PORTS	SEE PG 2	TIN / LEAD
760440003	OUTER 2 PORTS	SEE PG 2	TIN / LEAD
760445001	4 LIGHT PORTS	SEE PG 2	TIN
760445002	INNER 2 PORTS	SEE PG 2	TIN
760445003	OUTER 2 PORTS	SEE PG 2	TIN



NOTES

1. MATERIAL:

EMI STRAPS: 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
 LIGHT PIPES: POLYCARBONITE, 94 V-0, CLEAR
 LIGHT PIPE HOUSING: ZINC

2. FINISH

EMI STRAPS: 100 MICROINCHES NICKEL OVERALL
 LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
 TERMINALS: CONTACT AREA: 0.76 MICRONS MIN. HARD GOLD OVER
 1.27 MICRONS MIN. NICKEL.
 COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 152 MICRONS 90/10 TIN/LEAD
 OVER 0.76 - 152 MICRONS NICKEL
 COMPLIANT TAIL - TIN OPTION: 0.76 - 152 MICRONS TIN
 OVER 0.76 - 152 MICRONS NICKEL

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

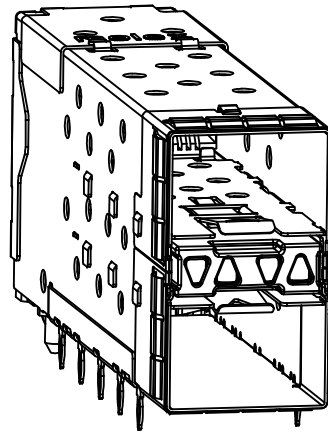
4. LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE, FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.

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

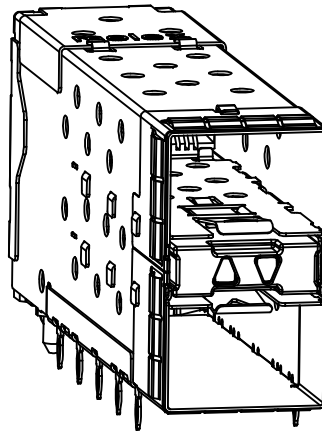
6. ALL EXTERIOR SURFACES TO BE CLASS *B* SURFACE EXCEPT THE UNDER SIDE OF THE CAGE WHERE THE PCB WOULD BE LOCATED AND AS NOTED. THE SURFACES TO CONFORM TO THE MOLEX COSMETIC DOC PS-45499-002.

7. THE OVERALL CAGE WIDTH AT THE VERTICAL CENTER OF THE FRONT EDGE WILL FALL WITHIN THIS DIMENSION: 15.05+/-0.30 MM. THIS PORTION OF THE CAGE WILL FLEX INWARD AS THE CAGE IS BEING INSERTED INTO THE BEZEL OPENING.

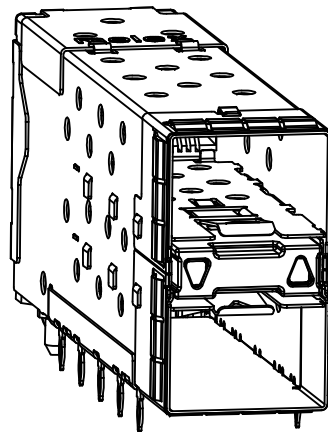
ADD NOTE 7/KEEPOUT'S EC NO: UCP2009-1582 DRWN:MS IBARRA 2009/01/07 CHKD:BBARKER 2009/01/09 APPR:SMILLER 2009/01/12	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES MOLEX INCORPORATED SD-76044-001	SHEET NO. 1 OF 4					
					mm	INCH	DRAWN BY JJANTELEZ10	DATE 11-3-06	TITLE								
				4 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 2-1-2007									
				3 PLACES	± ---	± ---	APPROVED BY KREGNIER	DATE 2-1-2007									
				2 PLACES	± 0.13	± ---	MATERIAL NO.	DOCUMENT NO.									
				1 PLACE	± 0.25	± ---	ANGULAR ± 5 °										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SEE TABLE							
										SIZE C							
										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



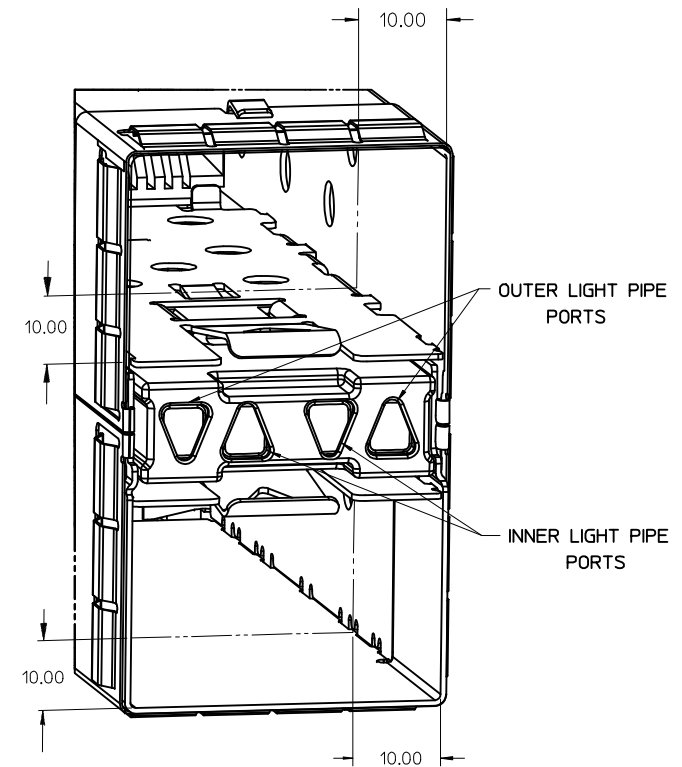
760440001 AND 760445001
WITH INNER AND OUTER LIGHT PIPES



760440002 AND 760445002
WITH INNER LIGHT PIPES

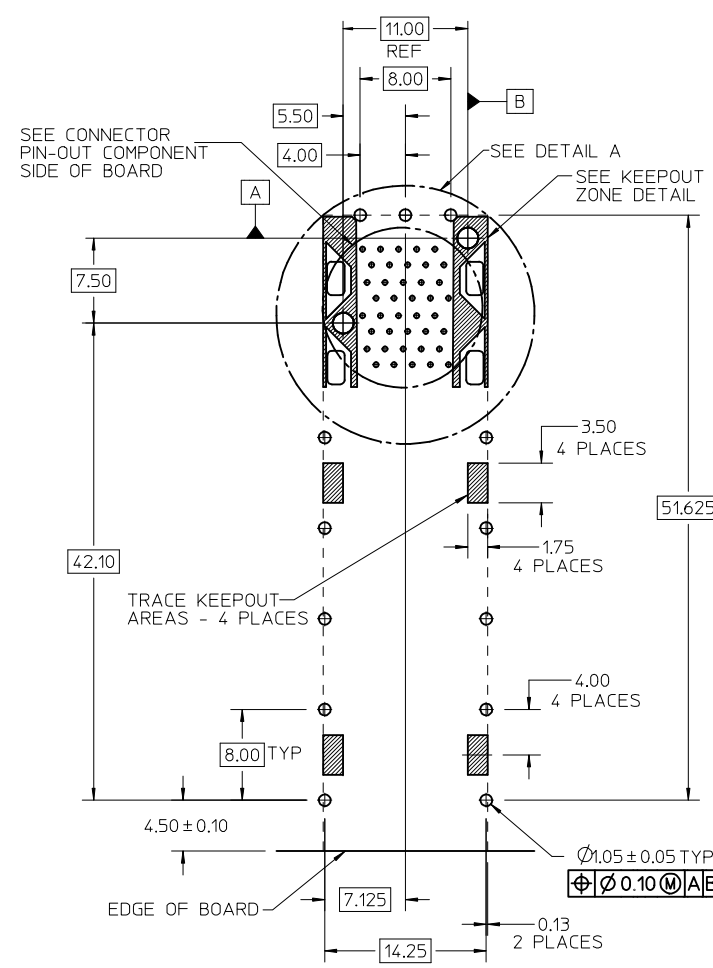
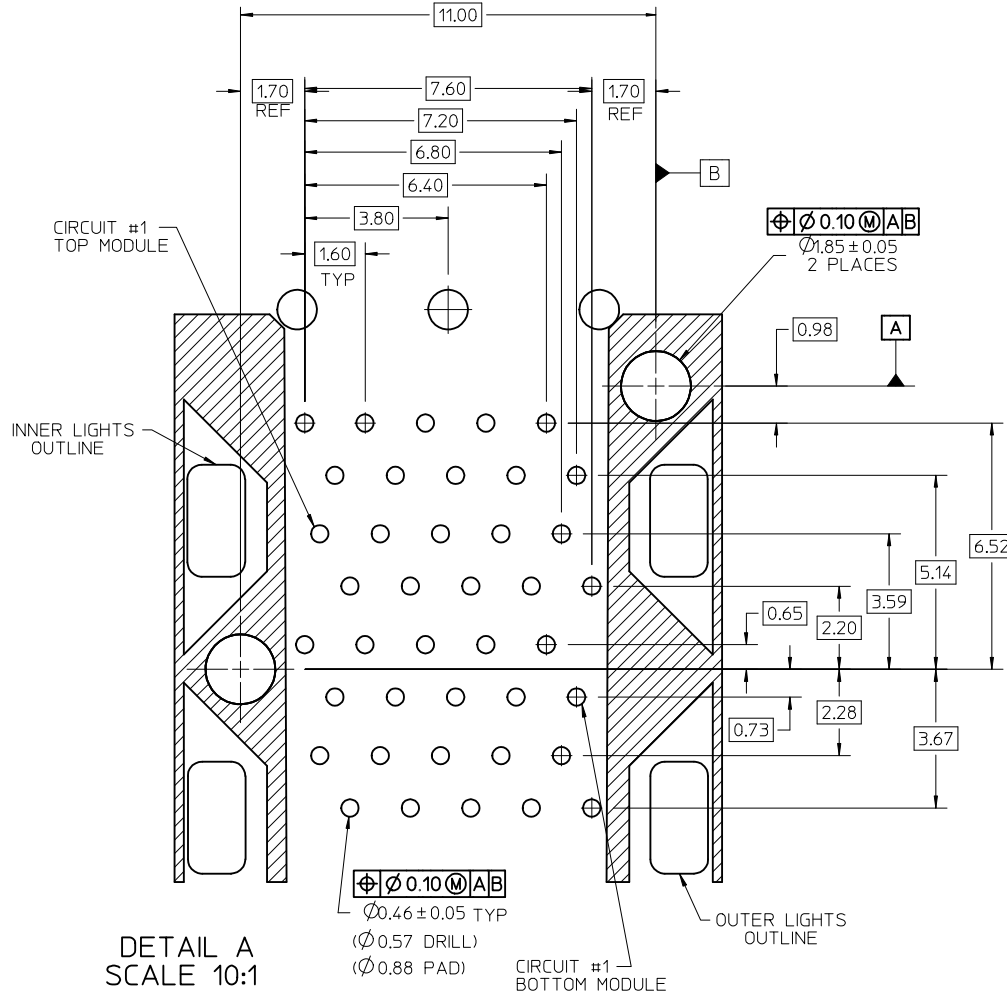


760440003 AND 760445003
WITH OUTER LIGHT PIPES

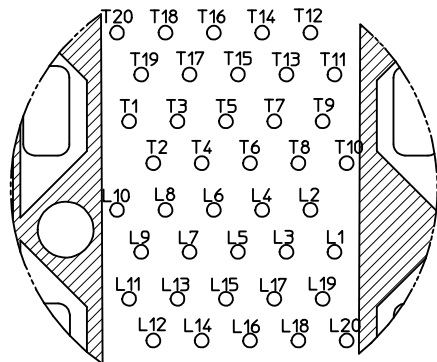


MODULE PORT DETAIL
10.00MM AREA SETBACK IN CAGE IS TO BE FREE OF ANY
HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURES.
(4 SIDES PER MODULE PORT)

SEE SHEET 1 EC NO: UCP2009-1582 DRWN:MSI BARRA 2009/01/07 CHKD:BBARKER 2009/01/09 APPR:SMILLER 2009/01/12	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES MOLEX INCORPORATED		
					mm	INCH	DRAWN BY JJANTELEZIO	DATE 11-3-06	DOCUMENT NO. SD-76044-001			SHEET NO. 2 OF 4	
				4 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 2-1-2007					
				3 PLACES	± ---	± ---	APPROVED BY KREGNIER	DATE 2-1-2007					
				2 PLACES	± 0.13	± ---	MATERIAL NO.						
				1 PLACE	± 0.25	± ---	SEE TABLE						
ANGULAR ± 5 °													
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					



RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS
(OTHER THAN LIGHT PIPE LED'S).
THIS AREA IS INDICATED BY THE DASHED LINE



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

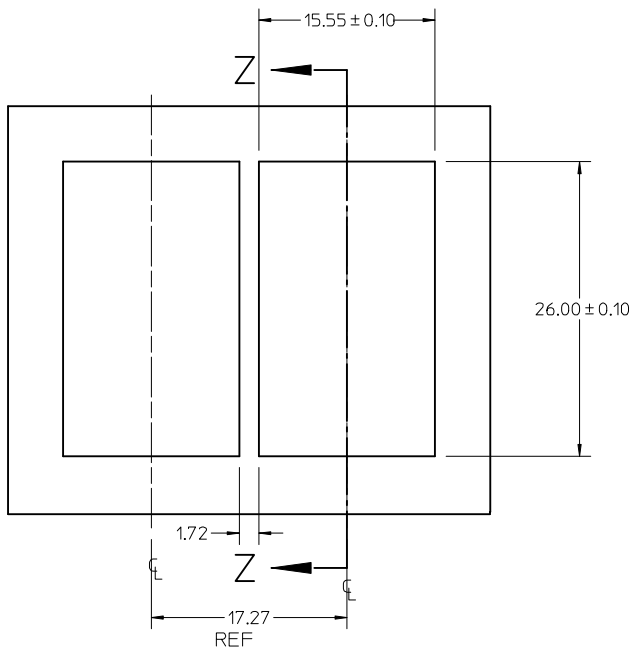
ADD KEEPOUT ZONES EC NO: UCP2009-1582 DRWN:MS BARRA 2009/01/07 CHKD:BBARKER 2009/01/09 APPR:SMILLER 2009/01/12	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY JJANTELEZIO	DATE 11-3-06	TITLE STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES	
			4 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 2-1-2007		
			3 PLACES	± ---	± ---	APPROVED BY KREGNIER	DATE 2-1-2007		
			2 PLACES	± 0.13	± ---	MATERIAL NO.	DOCUMENT NO.		
1 PLACE	± 0.25	± ---	ANGULAR ± 5 °		MOLEX MOLEX INCORPORATED		SHEET NO. 3 OF 4		
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-76044-001		
					SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

STACKED SFP+ 2X1 ASS'Y
WITH METAL EMI GASKET
AND LIGHTPIPES

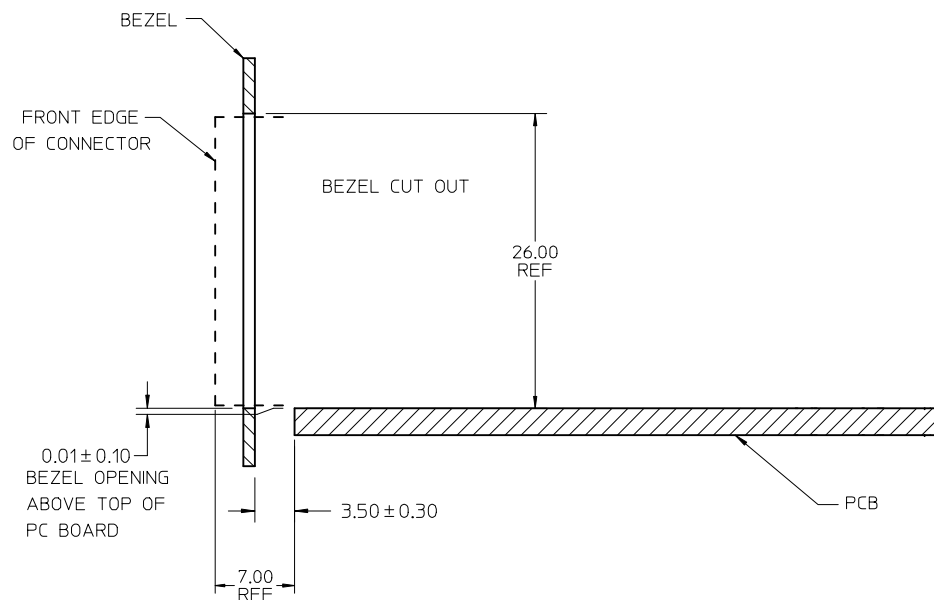
MOLEX INCORPORATED

SD-76044-001

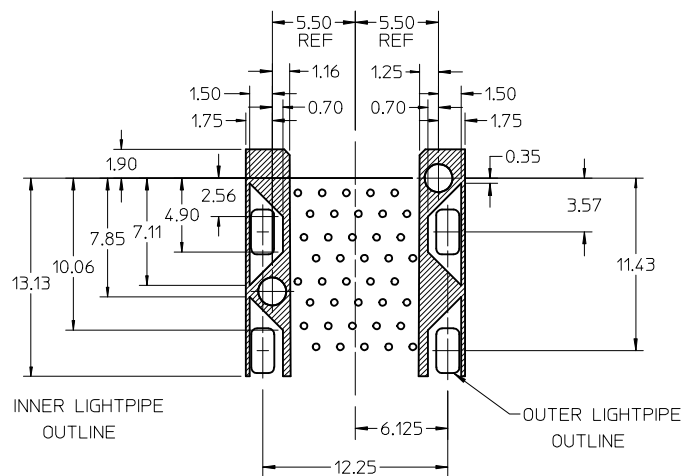
SHEET NO.
3 OF 4



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



SECTION Z-Z



DETAIL - LIGHT PIPE AND OTHER ZONES
SCALE 8:1

THE HATCHED AREA IN THIS VIEW INDICATES ZONES THAT ARE OCCUPIED BY THE PLASTIC HOUSING THAT SEATS AGAINST THE PCB AND BY THE VERTICAL METAL CAGE WALL THAT STOPS JUST SHORT OF THE PCB

SEE SHEET 1 EC NO: UCP2009-1582 2009/01/07 DRWN:MS BARA 2009/01/09 CHKD:BBARKER 2009/01/12 APPR:SMILLER	DESCRIPTION	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION
						MM ONLY		3:1	METRIC		
						DRAWN BY DATE		TITLE			
						CHECKED BY DATE		STACKED SFP+ 2X1 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES			
						APPROVED BY DATE		MOLEX MOLEX INCORPORATED			
		ANGULAR ± 5 °		KREGNIER 2-1-2007		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-76044-001		4 OF 4			
						SIZE					
						C					

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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