

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0760465001

Status:

Active

Overview:

sfp_stacked_multiport_connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-4 Multi-Port Connector with 4 Lightpipe Ports, EMI Metal Gasket, 160 Circuits, Tin (Sn) Tails

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

76046

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)

160

Circuits (maximum)

160

Circuits Detail

160

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

High Performance Alloy (HPA)

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

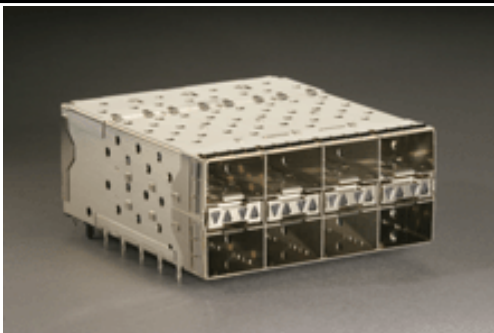


image - Reference onlySeries

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

76046Series

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

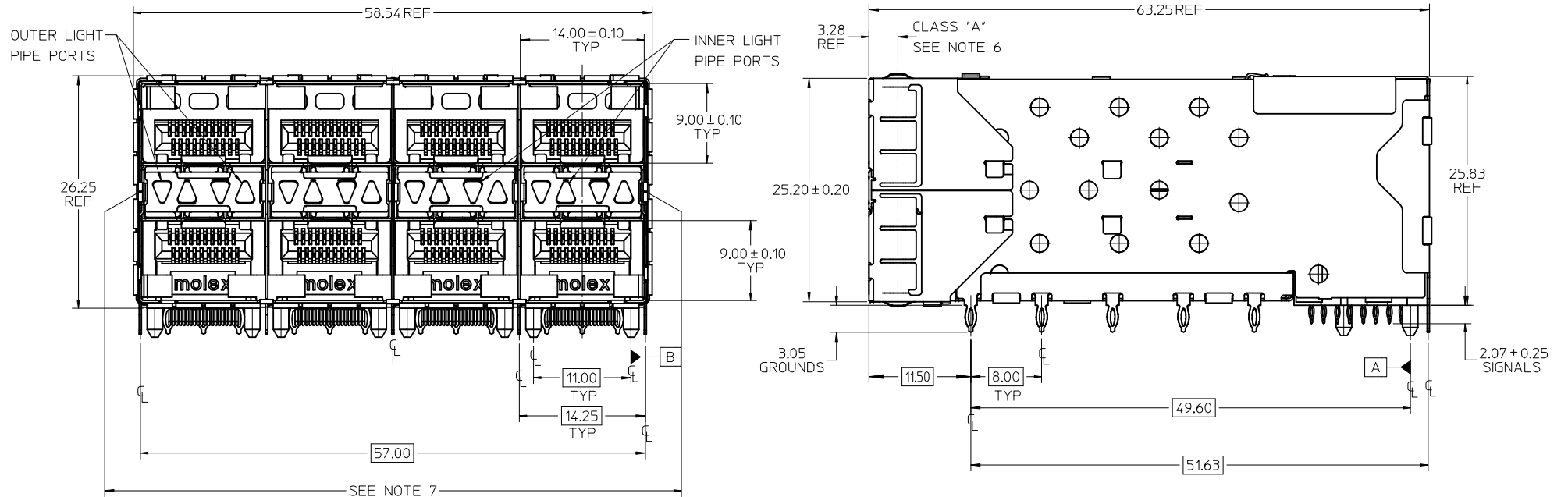
Description	Product #
SFP Stacked Multi-Port Insertion Tool, 2 by 4	0622029920
SFP Stacked Multi-Port Extraction Tool, 2 by 4	0622029940

Plating min: Termination (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	8
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-75450-001
Product Specification	PS-75310-001
Sales Drawing	SD-76046-001
Test Summary	TS-75310-001

This document was generated on 05/27/2010

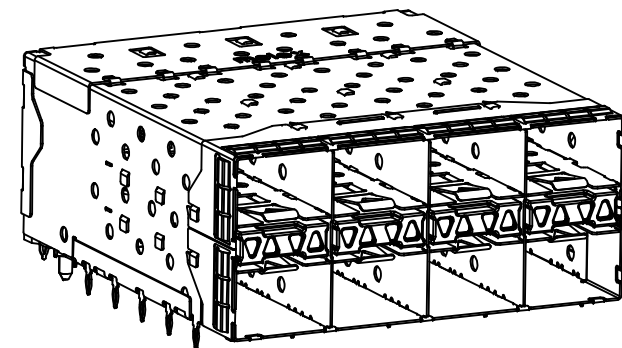
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PART NUMBER	DESCRIPTION	VIEW	COMPLIANT TAIL PLATING
760460001	4 LIGHT PORTS	SEE PG 2	TIN / LEAD
760460002	INNER 2 PORTS	SEE PG 2	TIN / LEAD
760460003	OUTER 2 PORTS	SEE PG 2	TIN / LEAD
760465001	4 LIGHT PORTS	SEE PG 2	TIN
760465002	INNER 2 PORTS	SEE PG 2	TIN
760465003	OUTER 2 PORTS	SEE PG 2	TIN

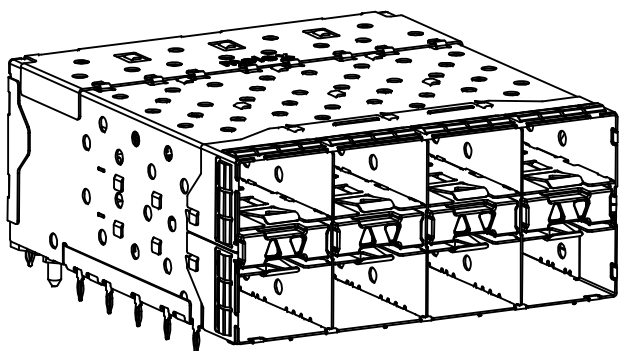


- NOTES:
- MATERIAL:
 - CAGE: NICKEL SILVER, THICKNESS: 0.25mm
 - EMI GASKET: PHOS-BRONZE
 - CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
 - OVERMOLDED TERMINAL HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
 - TERMINALS: TIN BRASS
 - LIGHT PIPES: POLYCARBONATE, 94 V-0, COLOR: CLEAR
 - LIGHT PIPE HOUSING: ZINC
 - FINISH:
 - LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
 - TERMINALS: CONTACT AREA: 0.76 MICROS MIN. HARD GOLD OVER 1.27 MICRONS 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
 - EMI GASKET: 2.54 MICRONS NICKEL OVERALL
 - REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
 - LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE, FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.
 - REFER TO PK-75450-001 FOR ALL PACKAGING SPECIFICATIONS.
 - 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.
 - THE OVERALL CAGE WIDTH AT THE VERTICAL CENTER OF THE FRONT EDGE WILL FALL WITHIN THIS DIMENSION: 57.80+/-0.30 MM. THIS PORTION OF THE CAGE WILL FLEX INWARD AS THE CAGE IS BEING INSERTED INTO THE BEZEL OPENING.

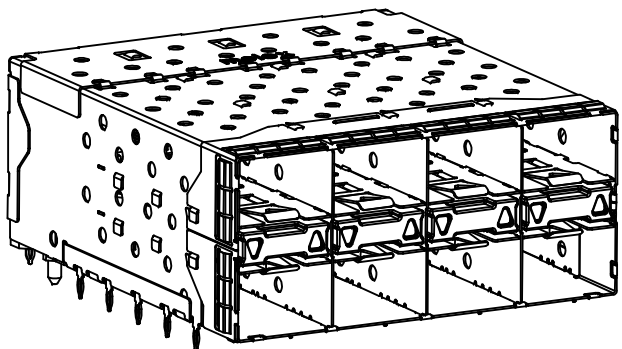
ADD NOTE 7/KEEPOUT'S EC NO: UCP2009-1582 DRWN:MSBARRA 2009/01/07 CHKD:BBARKER 2009/01/09 APPR:SMILLER 2009/01/12	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY MSANDBERG	DATE 1-26-2006	STACKED SFP+ 2X4 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES					
			4 PLACES	± .005	± .0004	CHECKED BY JLONG	DATE 1-26-2006						
			3 PLACES	± .005	± .0004								
			2 PLACES	± .013	± .0005	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED					
			1 PLACE	± .025	± .0010	RNELSON	1-26-2006						
			ANGULAR ± 5 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-76046-001		1 OF 4			
						SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



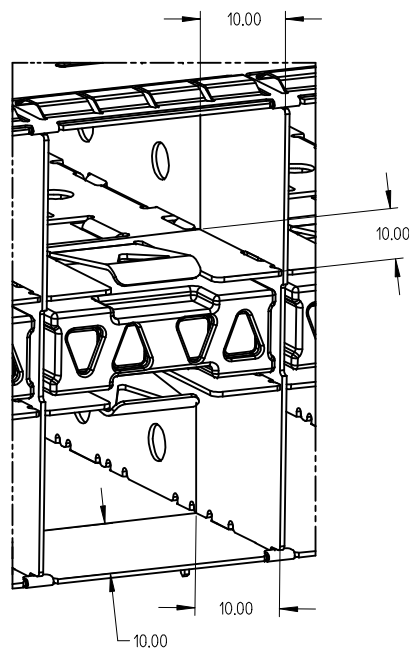
760460001 AND 760465001
WITH INNER AND OUTER LIGHT PIPES



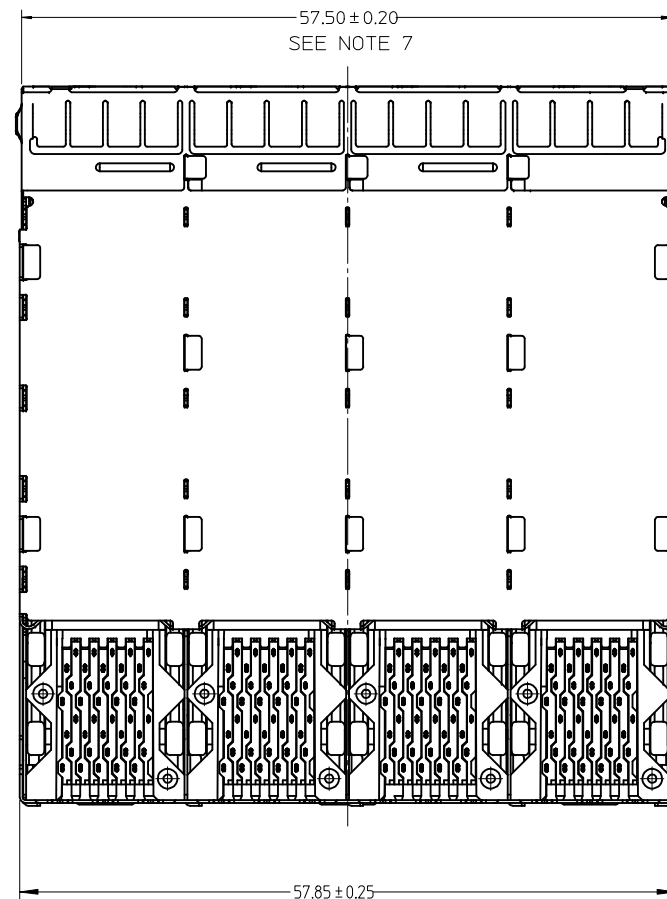
760460002 AND 760465002
WITH INNER LIGHT PIPES



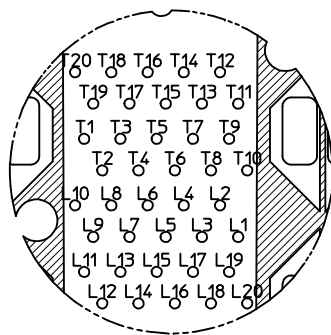
760460003 AND 760465003
WITH OUTER LIGHT PIPES



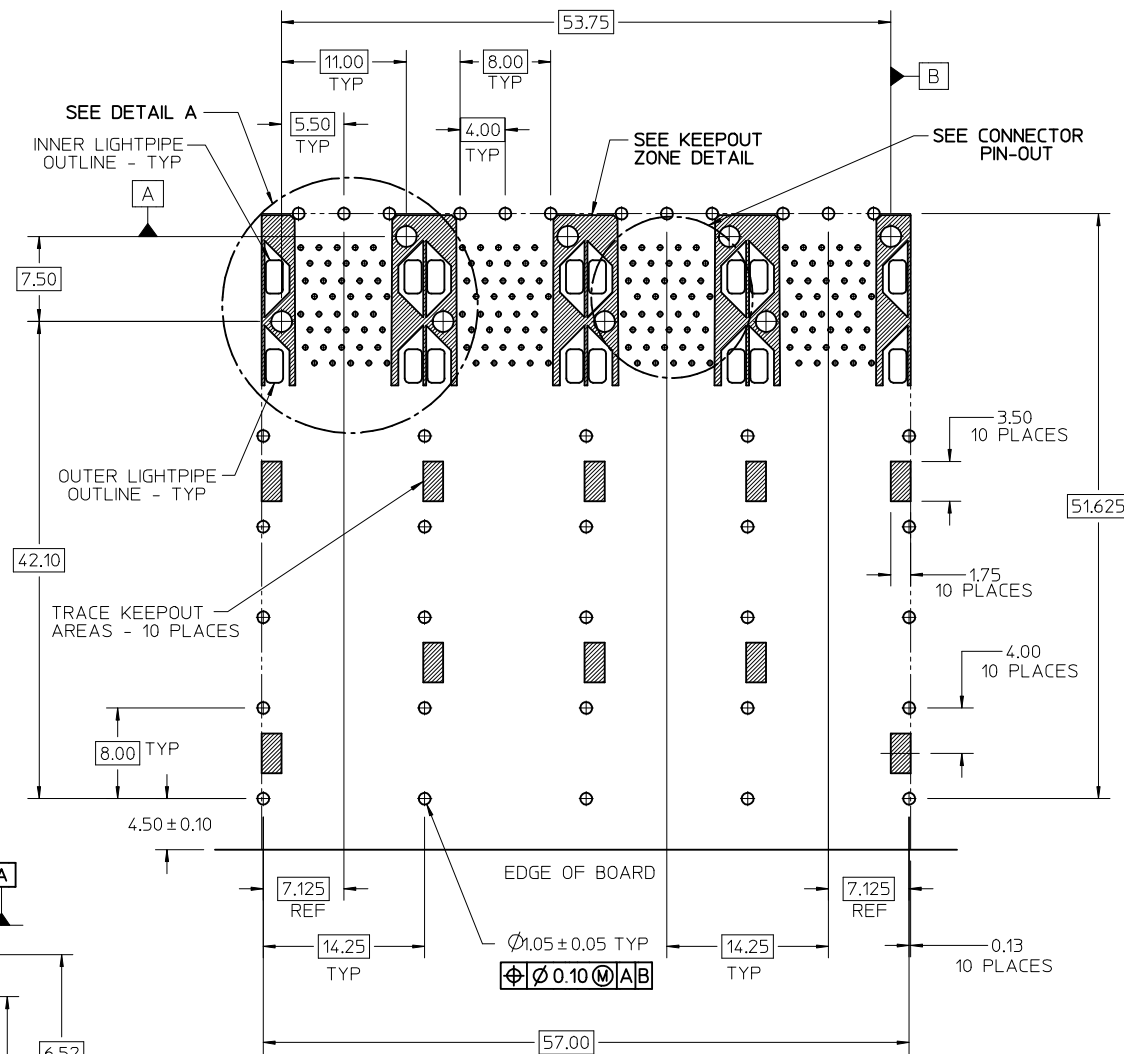
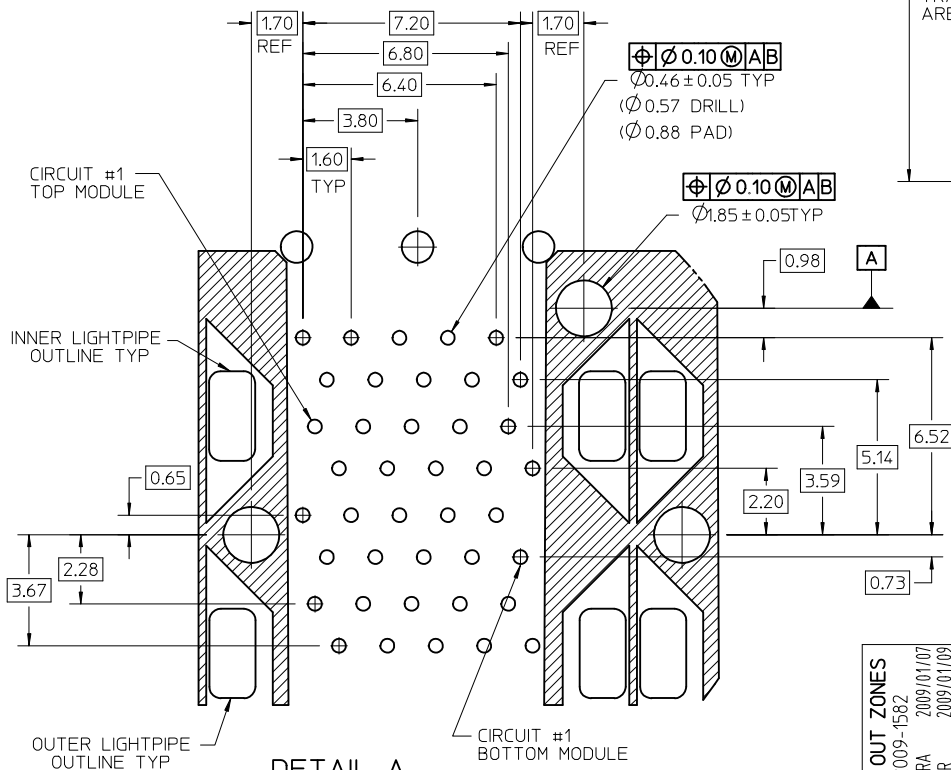
10.00mm AREA SETBACK IN CAGE IS TO BE FREE OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURE.
(4 SIDES PER MODULE PORT)



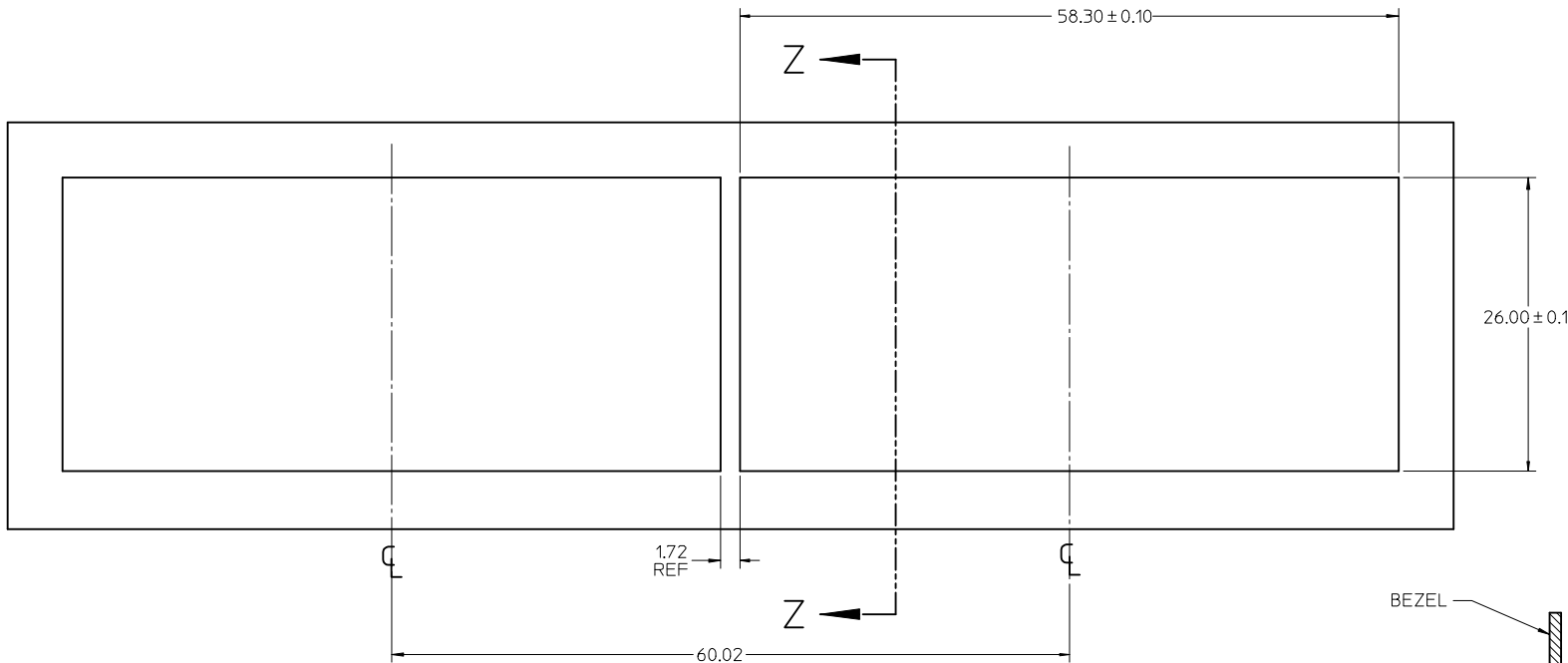
SEE SHEET 1 EC NO: UCP2009-1582 D DRAWN BY: MSANDBERG CHKD BY: JLONG APPR: RNELSON DATE: 2009/01/07 DATE: 2009/01/09 DATE: 2009/01/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	▽=0	mm	INCH	DRAWN BY	DATE	STACKED SFP+ 2X4 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES				
	▽=0	4 PLACES ± ---	± ---	MSANDBERG	1-26-2006					
		3 PLACES ± ---	± ---	CHECKED BY	DATE					
		2 PLACES ± 0.13	± ---	JLONG	1-26-2006					
			1 PLACE ± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED			
		ANGULAR ± 5 °		RNELSON	1-26-2006					
				MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO.		SHEET NO.		
	REV				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
						SD-76046-001		2 OF 4		



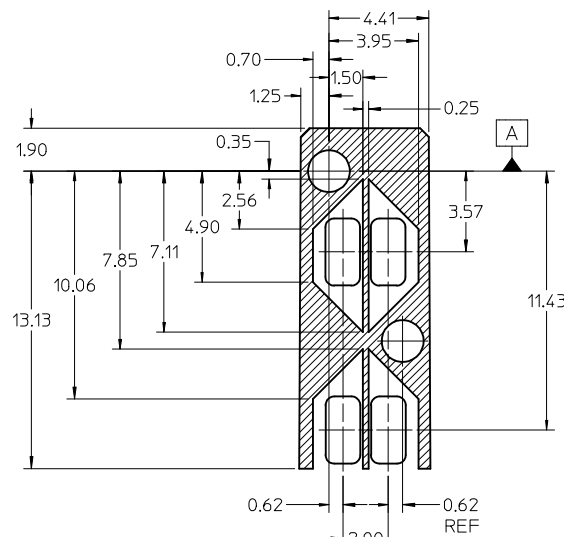
CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD



ADD KEEP OUT ZONES	EC NO: UCP2009-1582			DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE	
	DRWN:MSBARA 2009/01/07					MM ONLY		3:1	METRIC	PROJECTION			
	CHKD:BBARKER 2009/01/09					DRAWN BY DATE		TITLE STACKED SFP+ 2X4 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES					
	APPR:SMILLER 2009/01/12					MSANDBERG 1-26-2006							
						CHECKED BY DATE		MOLEX MOLEX INCORPORATED					
						JLONG 1-26-2006							
						APPROVED BY DATE		DOCUMENT NO. SHEET NO.					
						RNELSON 1-26-2006							
						MATERIAL NO.		SEE TABLE					
						ANGULAR ± 5 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C								

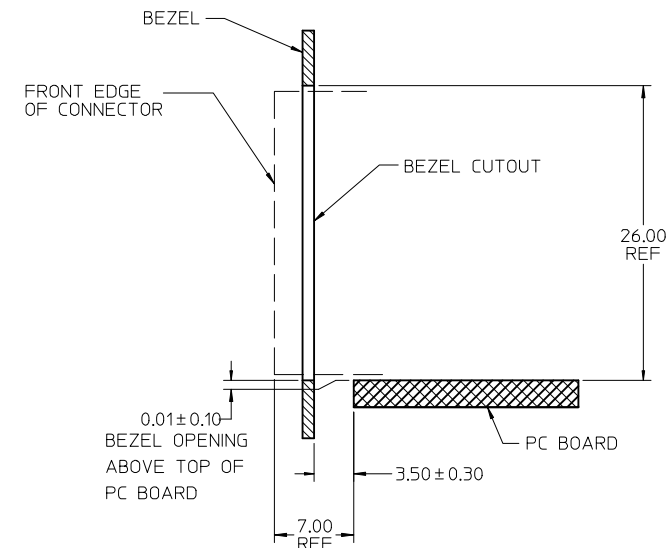


BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



DETAIL - LIGHTPIPE LOCATION 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



SECTION Z-Z
SCALE 3:1

SEE SHEET 1	EC NO: UCP2009-1582			DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	DRWN:SI BARRA 2009/01/07					mm		INCH		DRAWN BY MSANDBERG		DATE 1-26-2006		STACKED SFP+ 2X4 ASS'Y WITH METAL EMI GASKET AND LIGHTPIPES	
	CHKD:BBARKER 2009/01/09					4 PLACES ± ---		± ---		CHECKED BY JLONG		DATE 1-26-2006			
	APPR:SMILLER 2009/01/12					3 PLACES ± ---		± ---		APPROVED BY RNELSON		DATE 1-26-2006			
	2 PLACES ± 0.13		± ---			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-76046-001							
	1 PLACE ± 0.25		± ---												
						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					



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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