

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0760915002

Status:

Active

Overview:

sfp_stacked_multiport_connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-2 Multi-Port Connector with 2 Inner Lightpipe Ports, Elastomeric Gasket, 80 Circuits, Tin (Sn) Tails

Documents:

3D Model

Application Specification (PDF)

Drawing (PDF)

Test Summary (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

I/O Connectors

Series

76091

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)

80

Circuits (maximum)

80

Circuits Detail

80

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

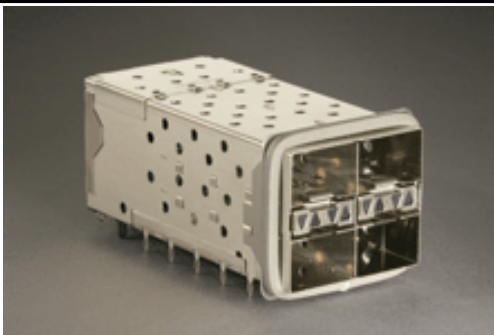


image - Reference onlySeries

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

50

Pb

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

76091Series

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 2	0622029970
SFP Stacked Multi-Port Extraction Tool, 2 by 2	0622029975

Plating min: Termination (μm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	4
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

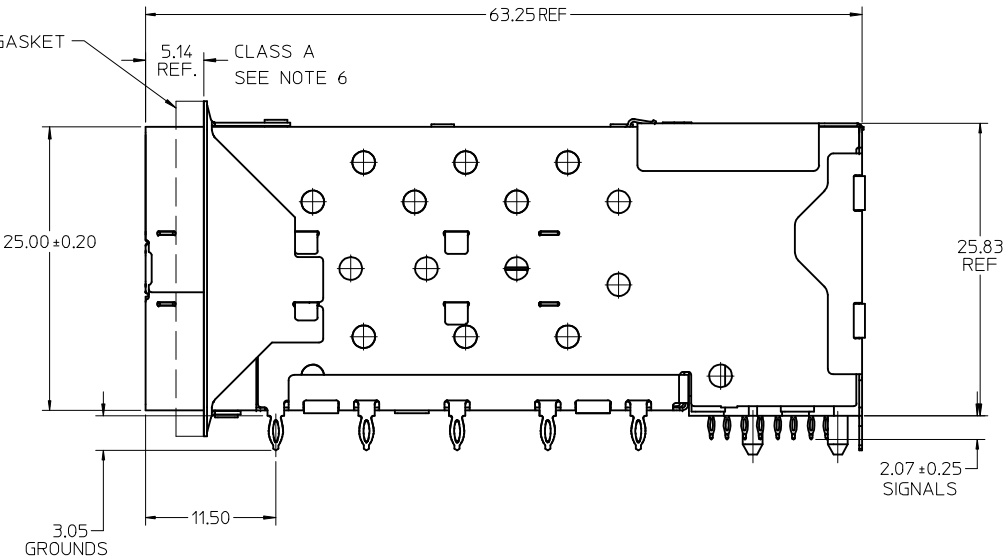
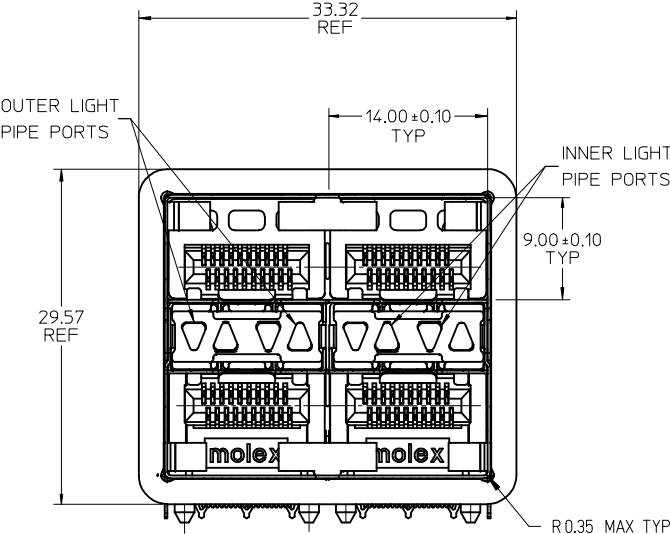
Reference - Drawing Numbers

Packaging Specification	PK-75714-001
Sales Drawing	SD-76091-001

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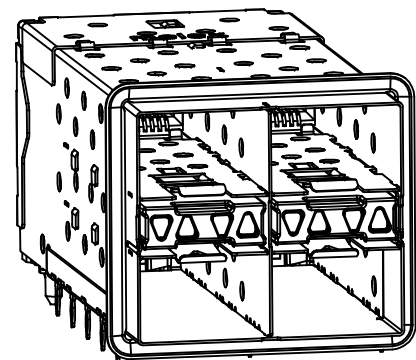
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PART NUMBER	DESCRIPTION	VIEW	COMPLIANT TAIL PLATING	CAGE PLATING
760910001	4 LIGHT PORTS	SEE PG 2	TIN / LEAD	N/A
760910002	INNER 2 PORTS	SEE PG 2	TIN / LEAD	N/A
760910003	OUTER 2 PORTS	SEE PG 2	TIN / LEAD	N/A
760915001	4 LIGHT PORTS	SEE PG 2	TIN	N/A
760915002	INNER 2 PORTS	SEE PG 2	TIN	N/A
760915003	OUTER 2 PORTS	SEE PG 2	TIN	N/A

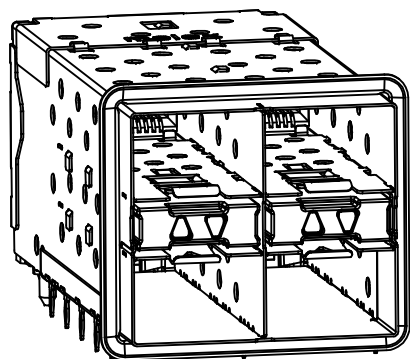


- NOTES
- MATERIAL:
 - CAGE: NICKEL SILVER, THICKNESS: 0.25mm
 - CAGE FLANGE: STAINLESS STEEL
 - EMI GASKET: CONDUCTIVE POLYMER
 - CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0 COLOR BLACK
 - OVERMOLDED TERMINALS HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
 - TERMINALS: TIN BRASS
 - LIGHT PIPES: POLYCARBONITE, 94 V-0, COLOR: CLEAR
 - LIGHT PIPE HOUSING: ZINC
 - FINISH:
 - LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
 - TERMINAL: 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
 - REFER TO PS-75310-001 PROTECT 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-75714-001 FOR ALL PACKAGING SPECIFICATIONS.
 - ALL EXTERIOR SURFACES TO BE A 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.

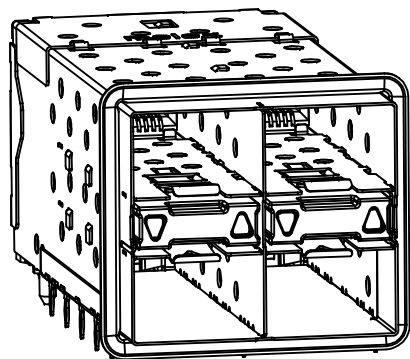
ADD KEEP-OUT ZONES EC NO: UCP2009-1356 DRAWN: S. BARRA 2009/08/04 CHKD: B. BARKER 2009/08/06 APPR: S. MILLER 2009/08/06	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
							DRAWN BY JJANTELEZIO		DATE 01-18-2007	TITLE STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPES			
							CHECKED BY MSANDBERG		DATE 01-18-2007				
							APPROVED BY RNELSON		DATE 01-18-2007				
							ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 4
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-76091-001		
									SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



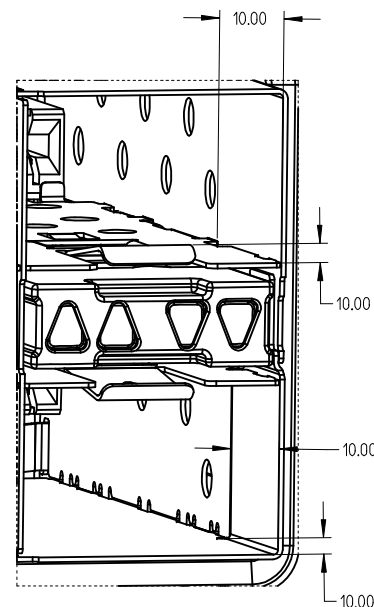
760910001 & 760915001
WITH INNER & OUTER LIGHT PIPE PORTS



760910002 & 760915002
WITH INNER LIGHT PIPE PORTS

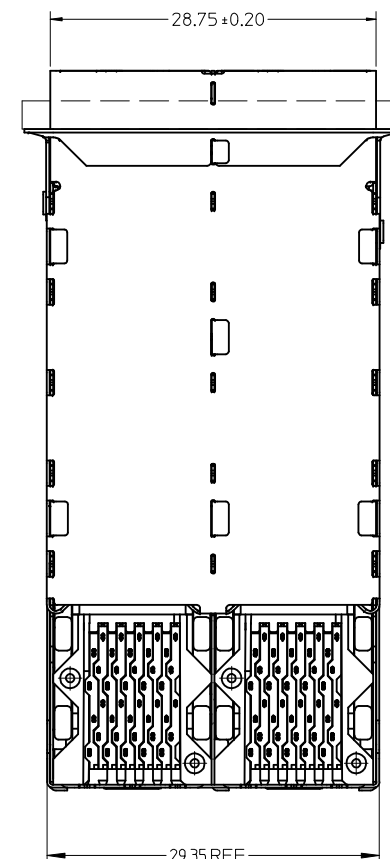


760910003 & 760915003
WITH OUTER LIGHT PIPE PORTS

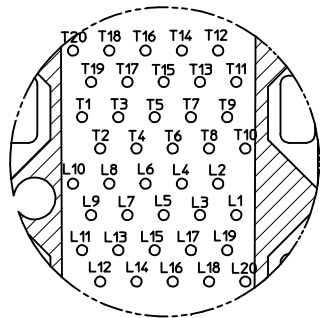


PORT DETAIL

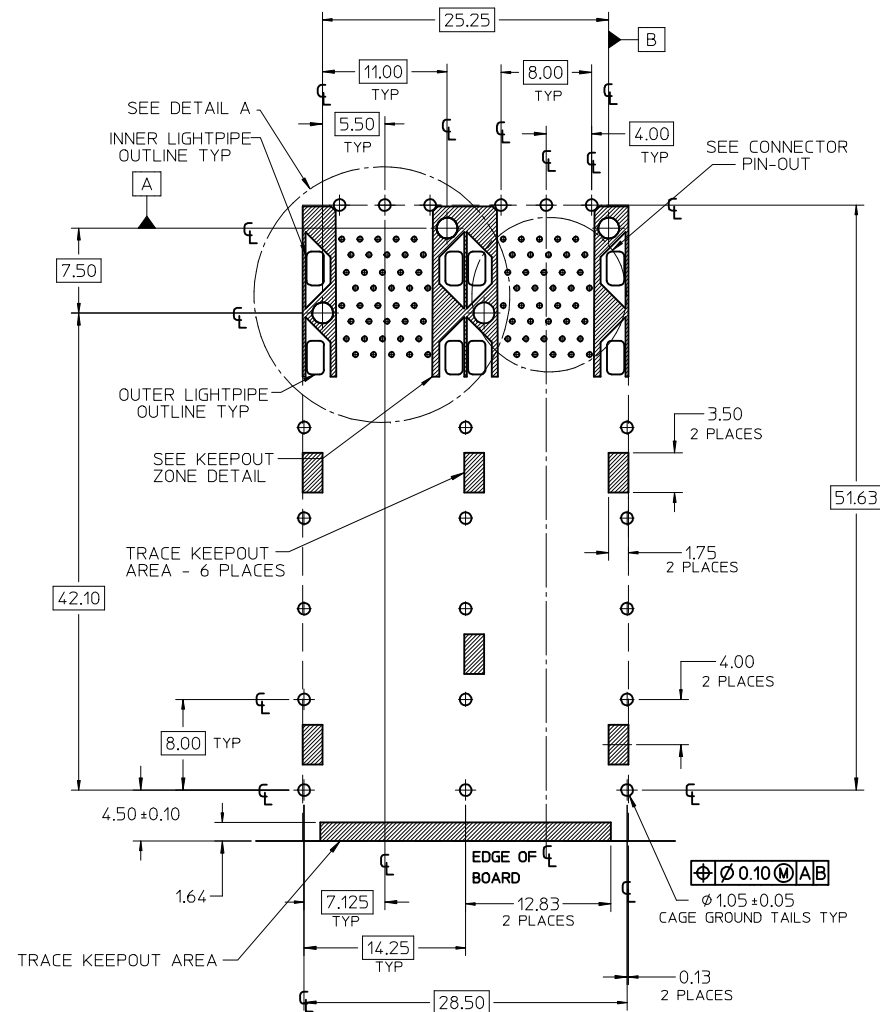
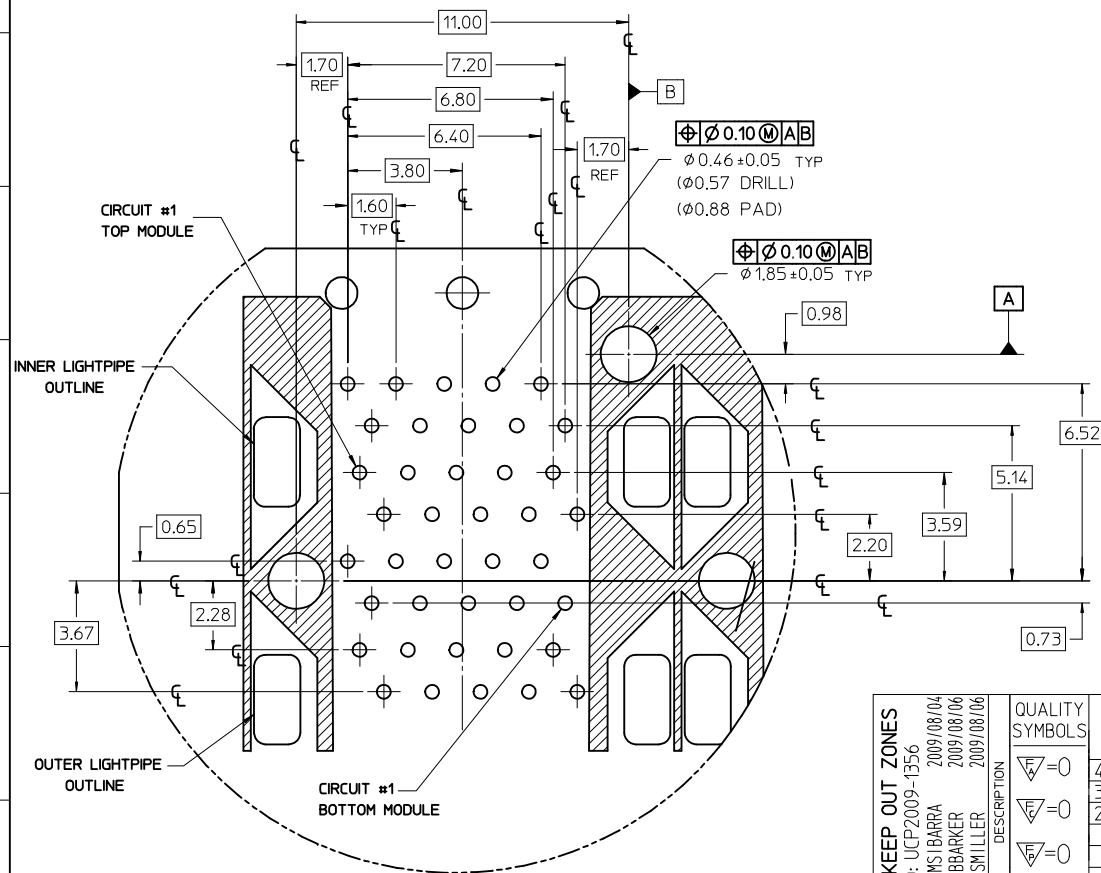
10.00mm AREA SETBACK IN CAGE IS TO BE FREE OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURE.
(4 SIDES PER PORT)



SEE SHEET 1	EC NO: UCP2009-1356			DRAWN:MSI BARRA 2009/08/04		CHKD:BBARKER 2009/08/06		APPR:SMILLER 2009/08/06		
	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
						MM ONLY		3:1	METRIC	
								TITLE		
								STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPES		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-76091-001		SHEET NO. 2 OF 4				
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

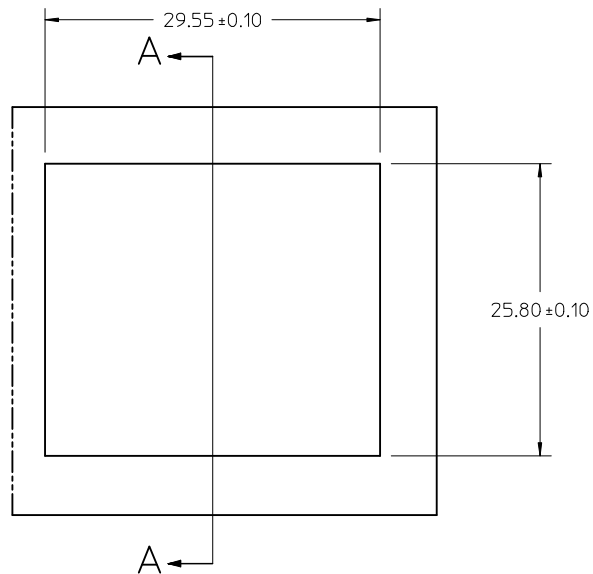


CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD

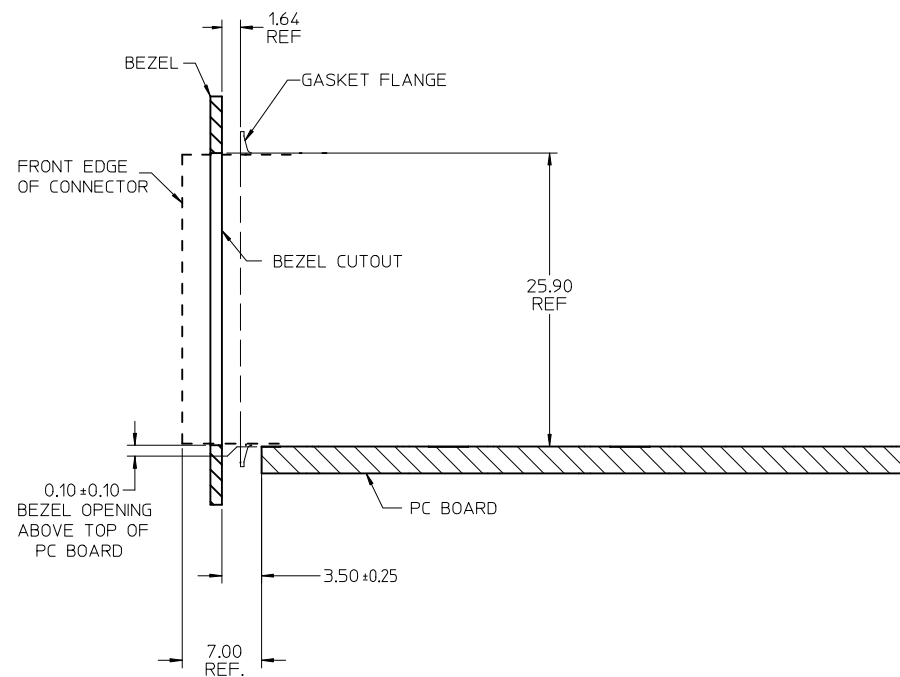


RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS
(OTHER THAN THE LIGHTPIPE LED'S)
THIS AREA IS INDICATED BY THE DASHED LINE

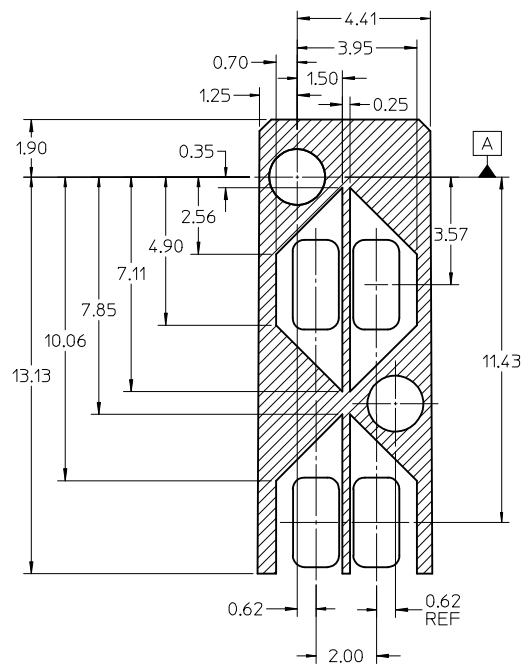
ADD KEEP OUT ZONES	EC NO: UCP2009-1356 DRWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY JJANTELEZIO	DATE 01-18-2007	TITLE STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPER			
				4 PLACES	± ---	± ---	CHECKED BY MSANDBERG	DATE 01-18-2007				
				3 PLACES	± ---	± ---	APPROVED BY RNELSON	DATE 01-18-2007				 MOLEX INCORPORATED
				2 PLACES	± 0.13	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-76091-001	SHEET NO. 3 OF 4		
				1 PLACE	± 0.25	± ---	SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
				ANGULAR ± 5 °								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								



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



SECTION A-A



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

SEE SHEET 1	EC NO: UCP2009-1356 DRAWN BY: DRWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06			DESCRIPTION REV	QUALITY SYMBOLS
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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
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- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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