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Part Number:

0760920003

Status:

Active

Overview:

sfp_stacked_multiport_connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-4 Multi-Port Connector with 2 Outer Lightpipe Ports, Elastomeric Gasket, 160 Circuits, Tin (Sn)/Lead(Pb) Tails

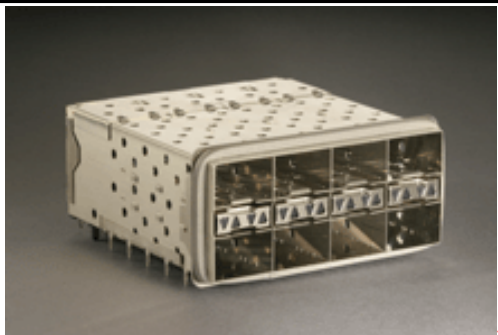


image - Reference onlySeries

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	76092
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-Lead
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

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



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
76092Series

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
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

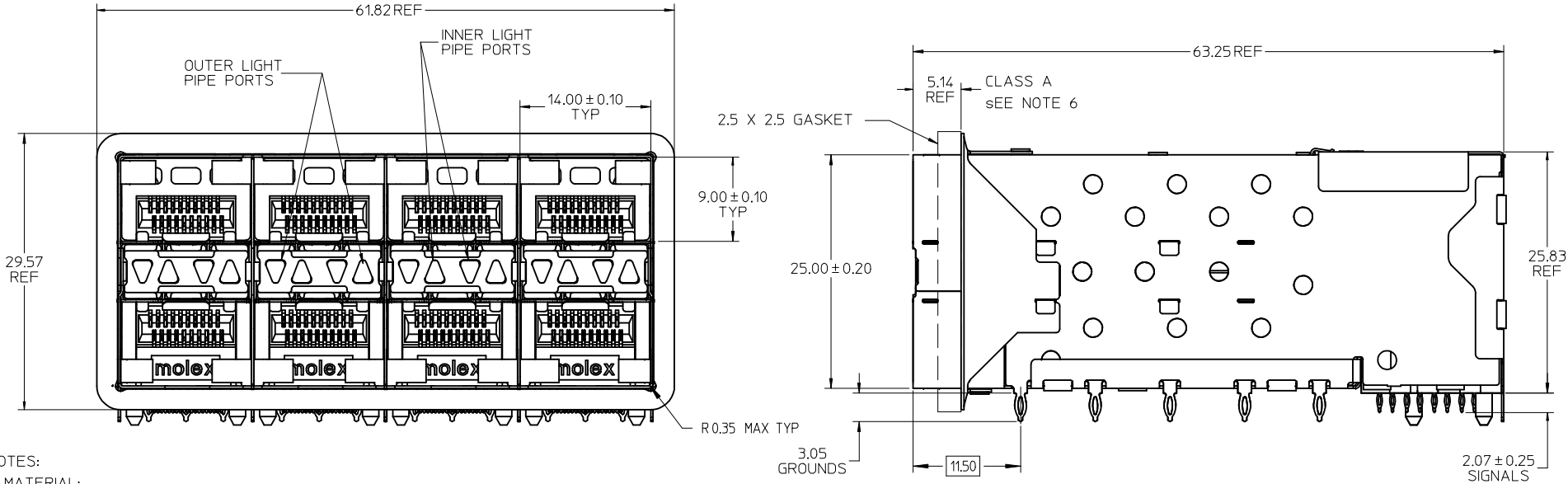
Reference - Drawing Numbers

Application Specification	AS-76090-001
Packaging Specification	PK-75450-001
Sales Drawing	SD-76092-001

This document was generated on 05/27/2010

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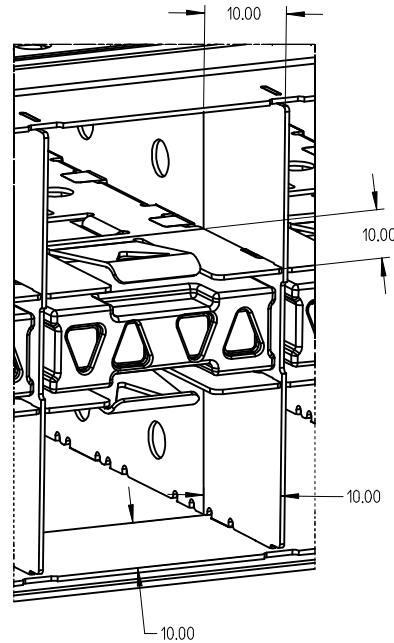
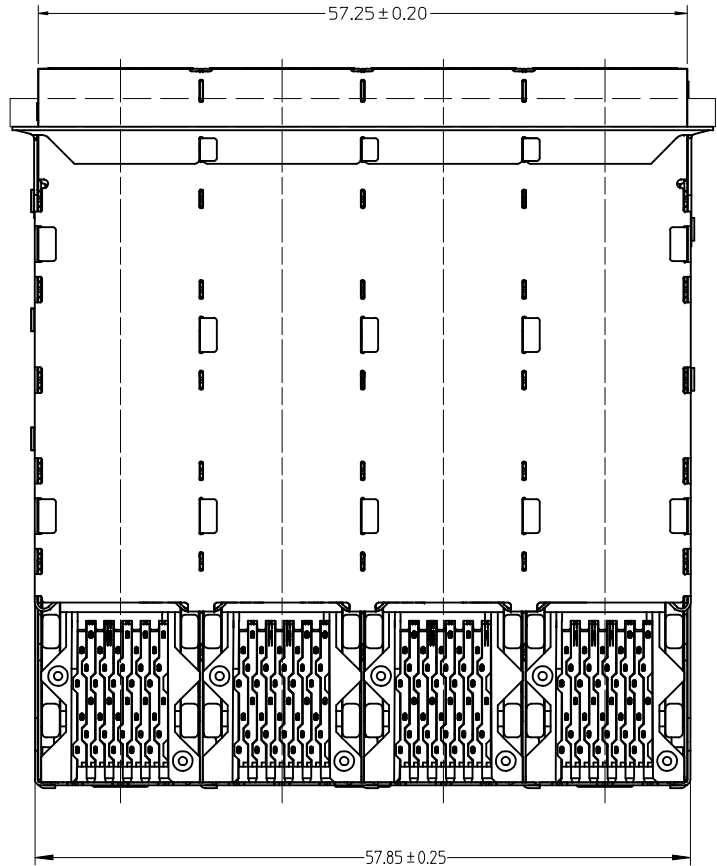
PART NUMBER	DESCRIPTION	VIEW	COMPLIANT TAIL PLATING	CAGE PLATING
760920001	4 LIGHT PORTS	SEE PG 2	TIN / LEAD	N/A
760920002	INNER 2 PORTS	SEE PG 2	TIN / LEAD	N/A
760920003	OUTER 2 PORTS	SEE PG 2	TIN / LEAD	N/A
760925001	4 LIGHT PORTS	SEE PG 2	TIN	N/A
760925002	INNER 2 PORTS	SEE PG 2	TIN	N/A
760925003	OUTER 2 PORTS	SEE PG 2	TIN	N/A



NOTES:

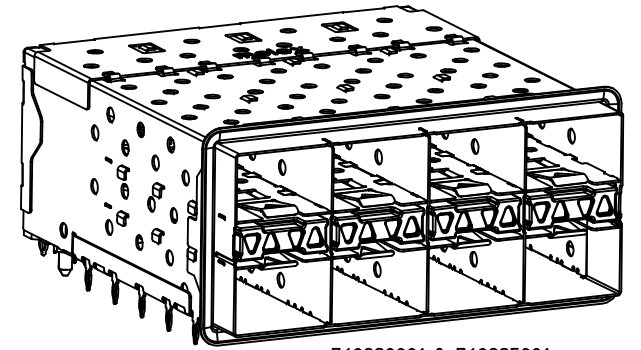
1. MATERIAL:
- CAGE: NICKEL SILVER, THICKNESS: 0.25mm
 - CAGE FLANGE: STAINLESS STEEL
 - EMI GASKET: CONDUCTIVE POLYMER
 - CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0
 - COLOR: BLACK
 - OVERMOLDED TERMINAL HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
 - TERMINALS: TIN BRASS
 - LIGHT PIPES: POLYCARBONITE, 94 V-0, COLOR: CLEAR
 - LIGHT PIPE HOUSING: ZINC
2. 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
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-75450-001 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.

ADD KEEP OUT ZONES EC NO: UCP2009-0978 DRWN:BBARKER 2009/02/11 CHKD:BBARKER 2009/02/16 APPR:SMILLER 2009/02/16 D	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY JLONG	DATE 01-26-2007	TITLE STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET AND LIGHTPIPES				
			4 PLACES	± ---	± ---	CHECKED BY MSANDBERG	DATE 01-26-2007	 MOLEX INCORPORATED				
			3 PLACES	± ---	± ---	APPROVED BY	DATE					
			2 PLACES	± 0.13	± ---	RNELSON	01-26-2007					
			1 PLACE	± 0.25	± ---	MATERIAL NO.	DOCUMENT NO.					
				ANGULAR ± 5 °		SEE TABLE		SD-76092-001		SHEET NO. 1 OF 4		
			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						

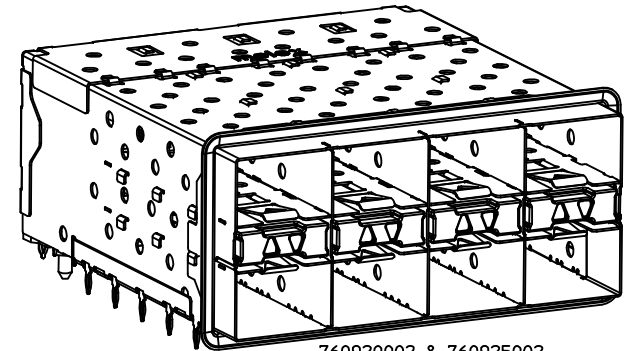


PORT DETAIL

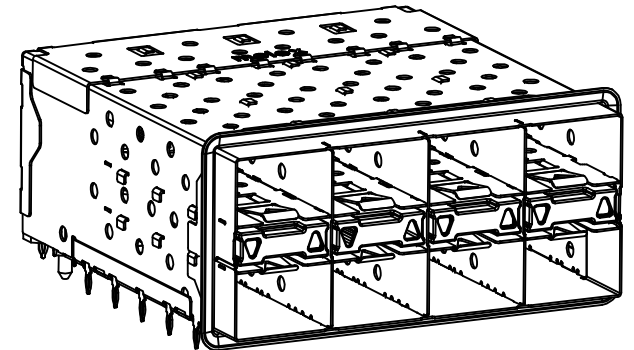
10.00mm AREA SETBACK IN CAGE IS TO BE FREE OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURE. (4 SIDES PER PORT)



760920001 & 760925001
WITH INNER & OUTER LIGHT PIPE PORTS



760920002 & 760925002
WITH INNER LIGHT PIPE PORTS



760920003 & 760925003
WITH OUTER LIGHT PIPE PORTS

SEE SHEET 1
EC NO: UCP2009-0978
2009/02/11
DRWN:BBARKER
2009/02/16
CHKD:BBARKER
2009/02/16
APPR:SMILLER

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

DIMENSION STYLE MM ONLY

DRAWN BY	DATE
JLONG	01-26-2007
CHECKED BY	DATE
MSANDBERG	01-26-2007
APPROVED BY	DATE
RNELSON	01-26-2007

SEE TABLE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
3:1

DESIGN UNITS
METRIC

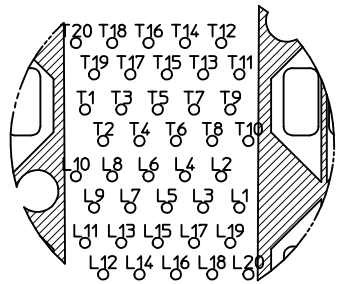
THIRD ANGLE
PROJECTION

STACKED SFP+ 2X4 ASS'Y
WITH ELASTOMERIC GASKET
AND LIGHTPIPES

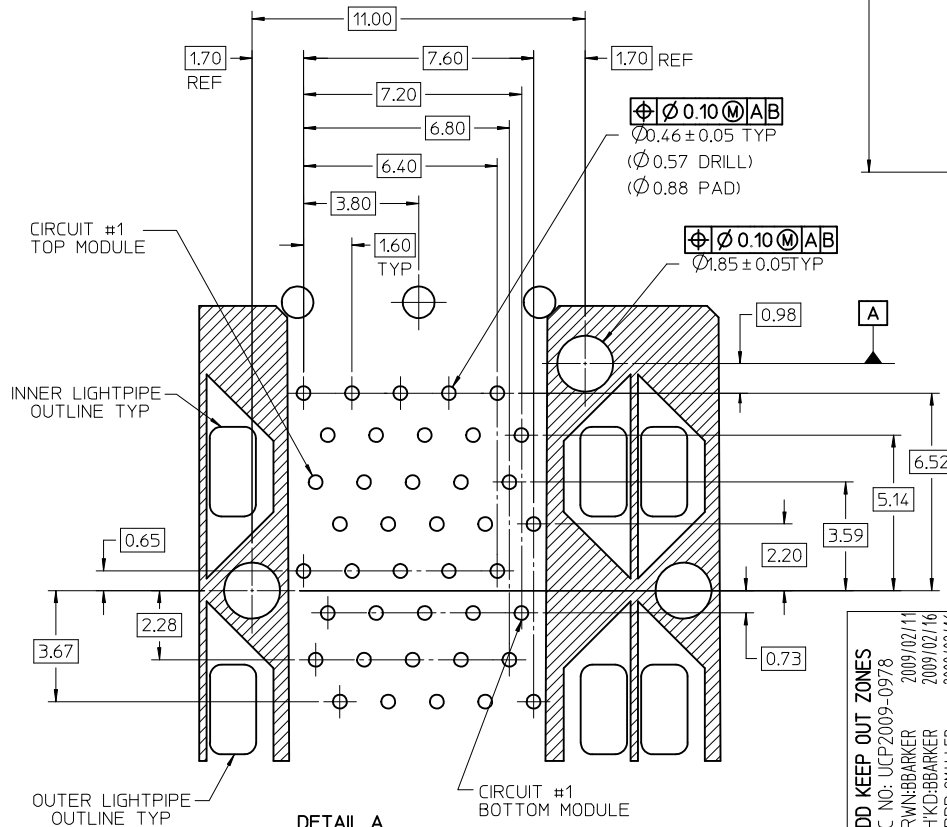
MOLEX INCORPORATED

SD-76092-001

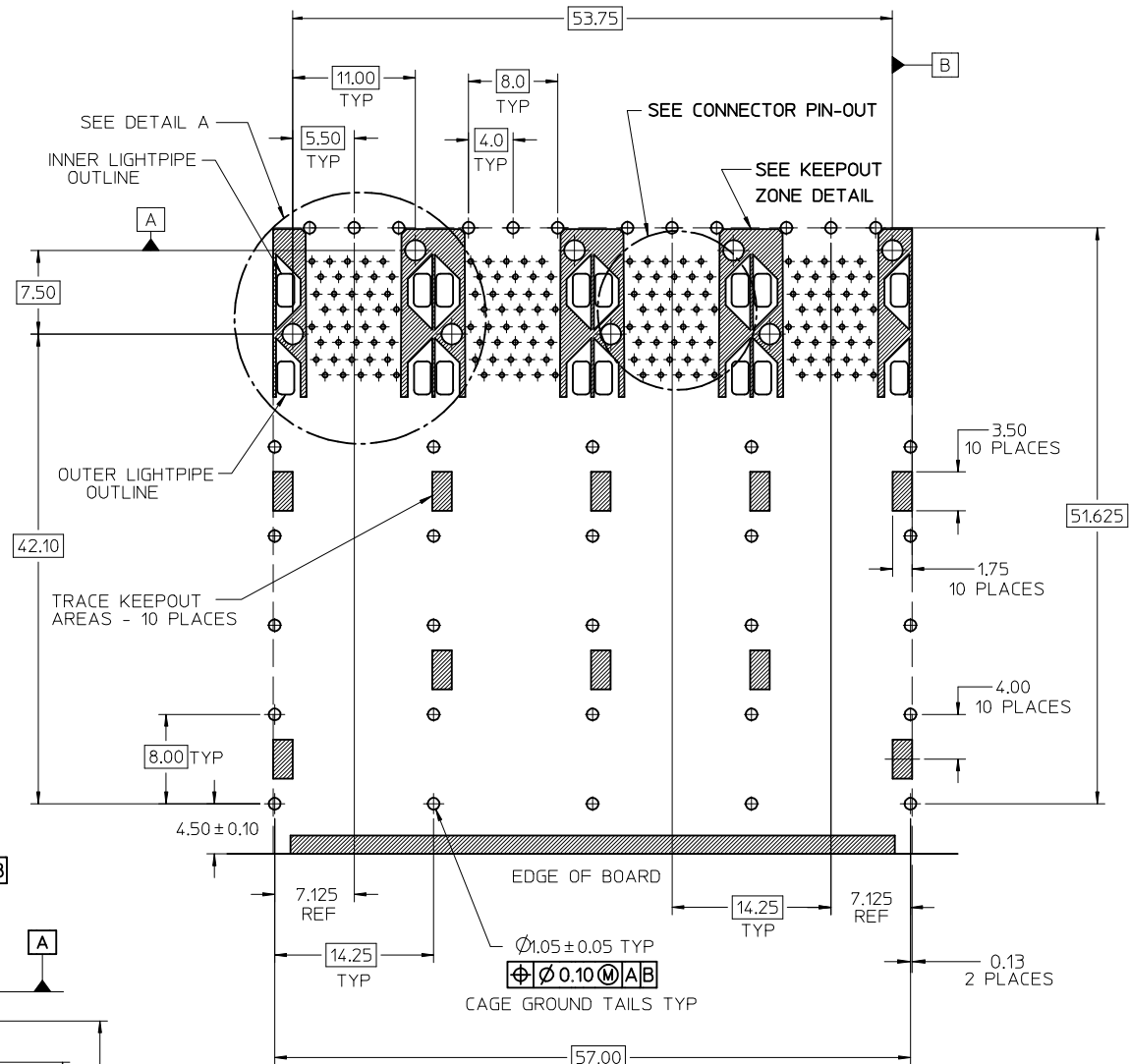
SHEET NO.
2 OF 4



CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD



DETAIL A
SCALE 8:1



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

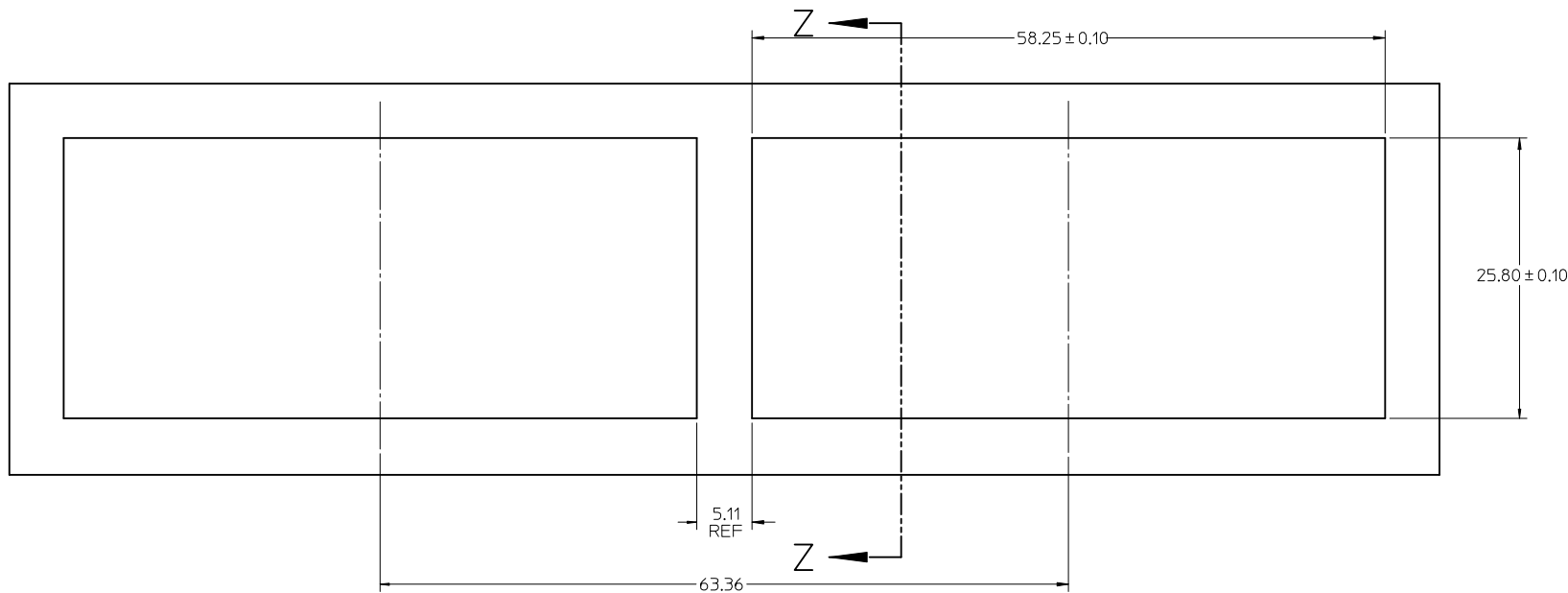
ADD KEEP OUT ZONES
EC NO: UCP2009-0978
DRAWN: BARKER 2009/02/11
CHKD: BARKER 2009/02/16
APPR: MILLER 2009/02/16

QUALITY SYMBOLS
▽=0
▽=0

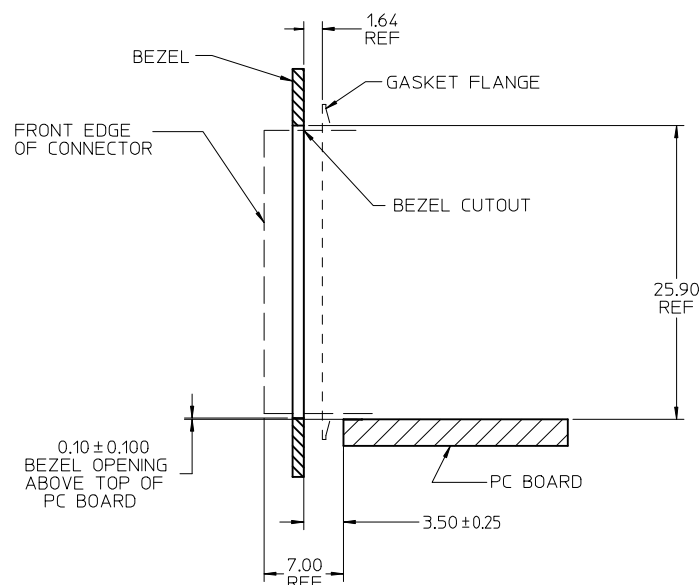
GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.13 ± ---
1 PLACE ± 0.25 ± ---
ANGULAR ± 5 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY DATE
JLONG 01-26-2007
CHECKED BY DATE
MSANDBERG 01-26-2007
APPROVED BY DATE
RNELSON 01-26-2007
MATERIAL NO.
SIZE C
SEE TABLE

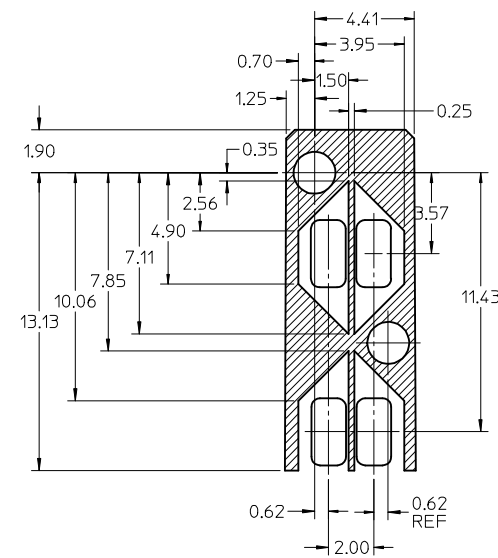
SCALE 3:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
STACKED SFP+ 2X4 ASS'Y
WITH ELASTOMERIC GASKET
AND LIGHTPIPES
MOLEX INCORPORATED
SD-76092-001
SHEET NO. 3 OF 4
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BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



SECTION Z-Z



CONNECTOR HOUSING
SCALE 6:1

SEE SHEET 1 EC NO: UCP2009-0978 DRWN:BBARKER 2009/02/11 CHKD:BBARKER 2009/02/16 APPR:SMILLER 2009/02/16 REV:	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET AND LIGHTPIPES MOLEX INCORPORATED SD-76092-001 SHEET NO. 4 OF 4
				mm	INCH	DRAWN BY JLONG	DATE 01-26-2007	TITLE			
			4 PLACES	± ---	± ---	CHECKED BY MSANDBERG	DATE 01-26-2007				
			3 PLACES	± ---	± ---	APPROVED BY RNELSON	DATE 01-26-2007				
			2 PLACES	± 0.13	± ---	MATERIAL NO.		DOCUMENT NO.			
			1 PLACE	± 0.25	± ---	SIZE		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			SEE TABLE		