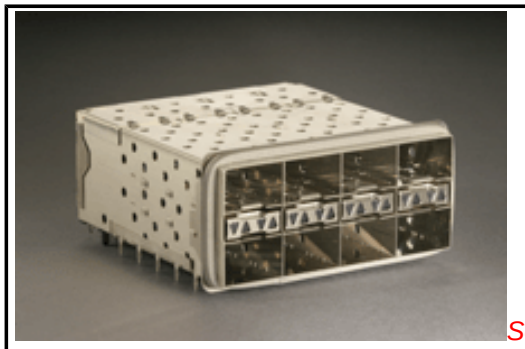
This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0761020001
Status: Obsolete
Overview: sfp_stacked_multiport_connectors
Description: Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-4 Multi-Port Press Fit Connector without Lightpipe Ports, Elastomeric Gasket, 160 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	76102
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
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Gold
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
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	8
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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
76102Series

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

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Gasket
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

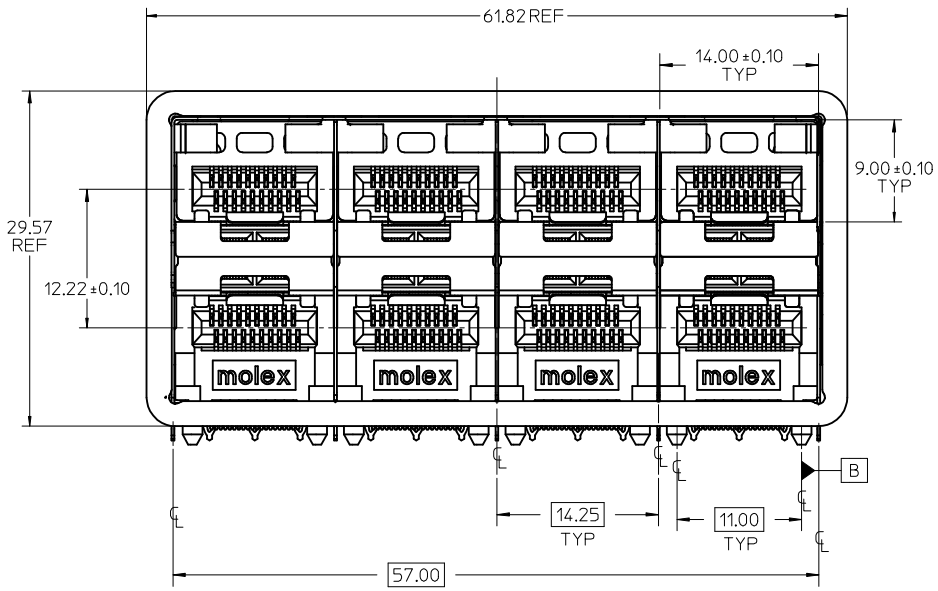
Material Info

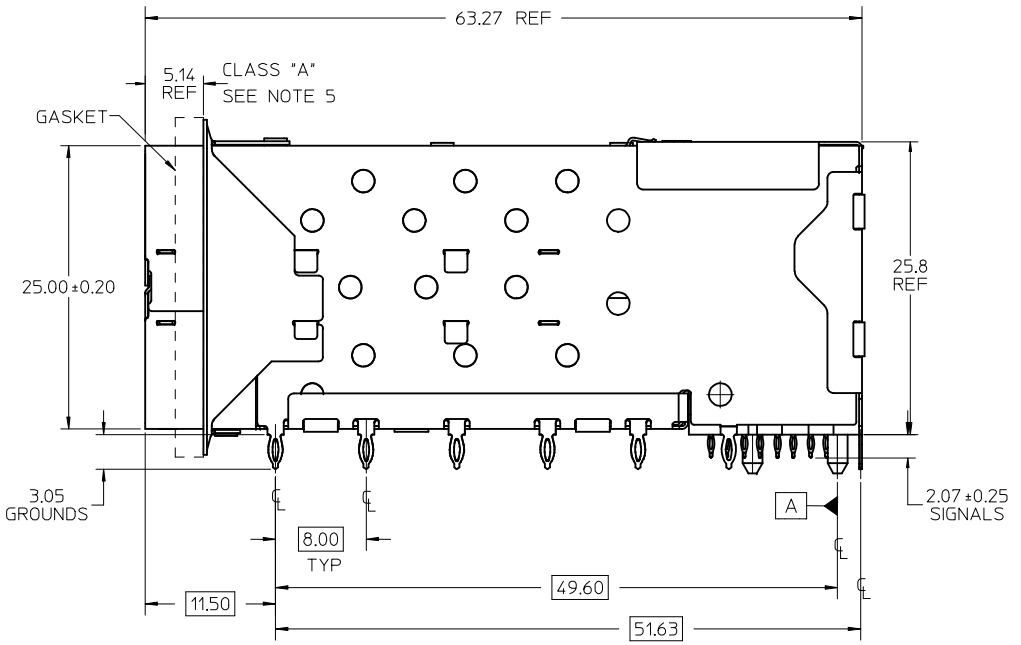
Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75450-001
Product Specification	PS-75310-001
Sales Drawing	SD-76102-001

This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





NOTES:

1. MATERIAL:
   - CAGE: NICKEL SILVER, THICKNESS: 0.25mm
   - EMI GASKET: CONDUCTIVE ELASTOMER
   - 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
2. FINISH:
   - 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: SILVER
3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
4. REFER TO PK-75450-001 FOR ALL PACKAGING 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.

PART NUMBER	COMPLIANT TAIL PLATING
761020001	TIN / LEAD
761025001	TIN

CLARIFY VIEWS
EC NO: UCP2010-0997 2009/10/30
DRWN:BBARKER 2009/11/02
CH'KD:MIBARRA 2009/11/02
APPR:SMILLER 2009/11/02
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

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

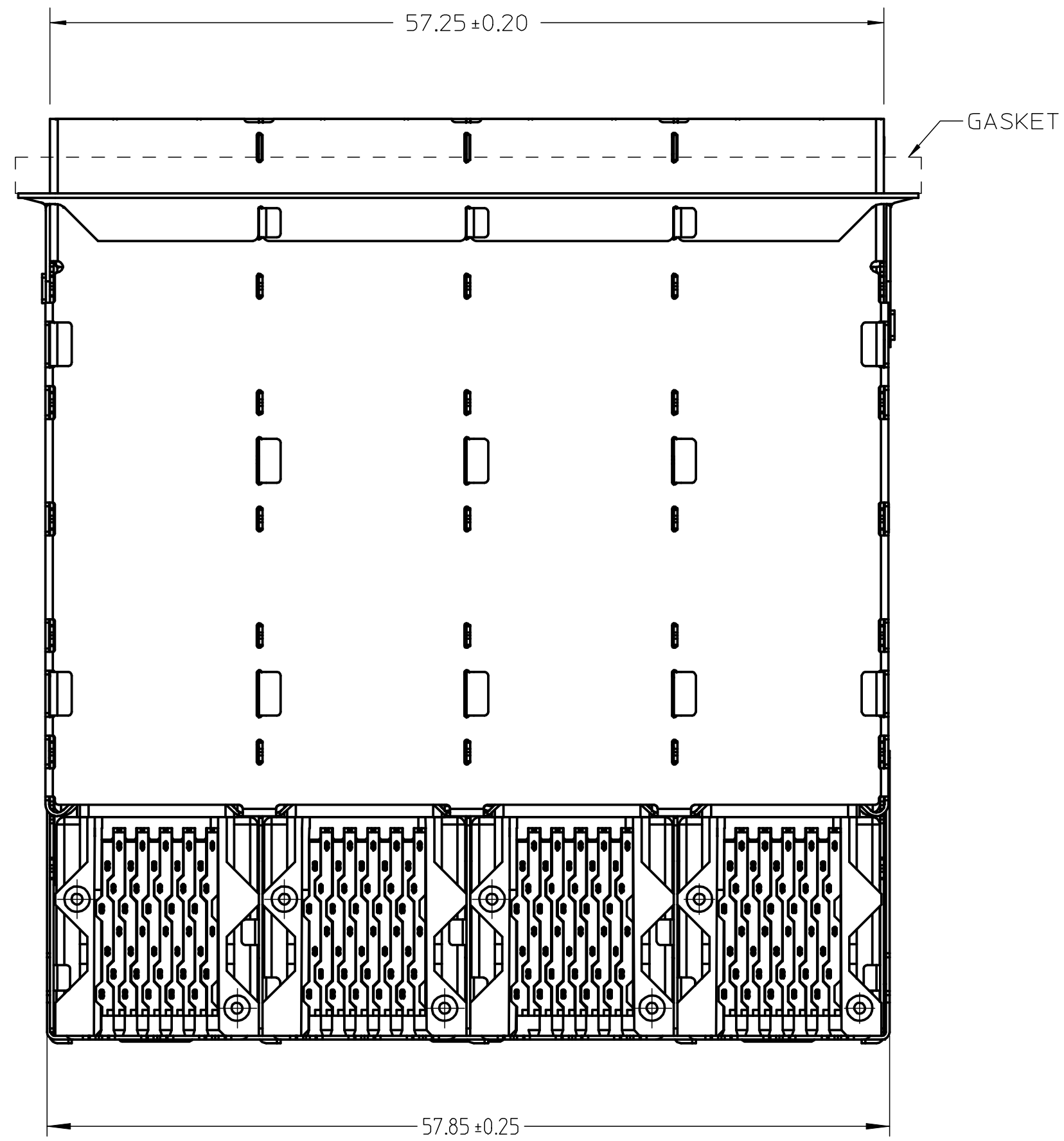
		DATE
DRAWN BY	JLONG	01-18-2007
CHECKED BY	MSANDBERG	01-18-2007
APPROVED BY	RNELSON	01-18-2007

TITLE: STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76102-001
SHEET NO.: 1 OF 4
SIZE: C

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



REV	DESCRIPTION
D	SEE SHEET 1 EC NO: UCP2010-0997 DRWN:BBARKER 2009/10/30 CH'KD:MIBARRA 2009/11/02 APPR:SMILLER 2009/11/02

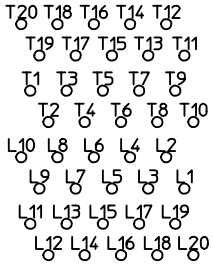
QUALITY SYMBOLS
▼=O
▽=O

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 5 °		

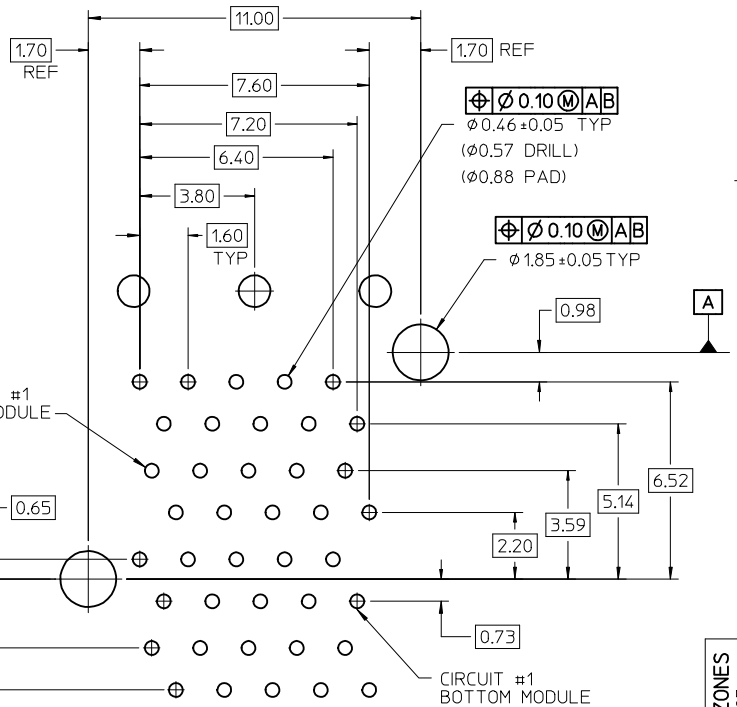
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	JLONG 01-18-2007
CHECKED BY / DATE	MSANDBERG 01-18-2007
APPROVED BY / DATE	RNELSON 01-18-2007
TITLE	STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET
	MOLEX INCORPORATED
MATERIAL NO.	SEE TABLE
DOCUMENT NO.	SD-76102-001
SHEET NO.	2 OF 4
SIZE	C

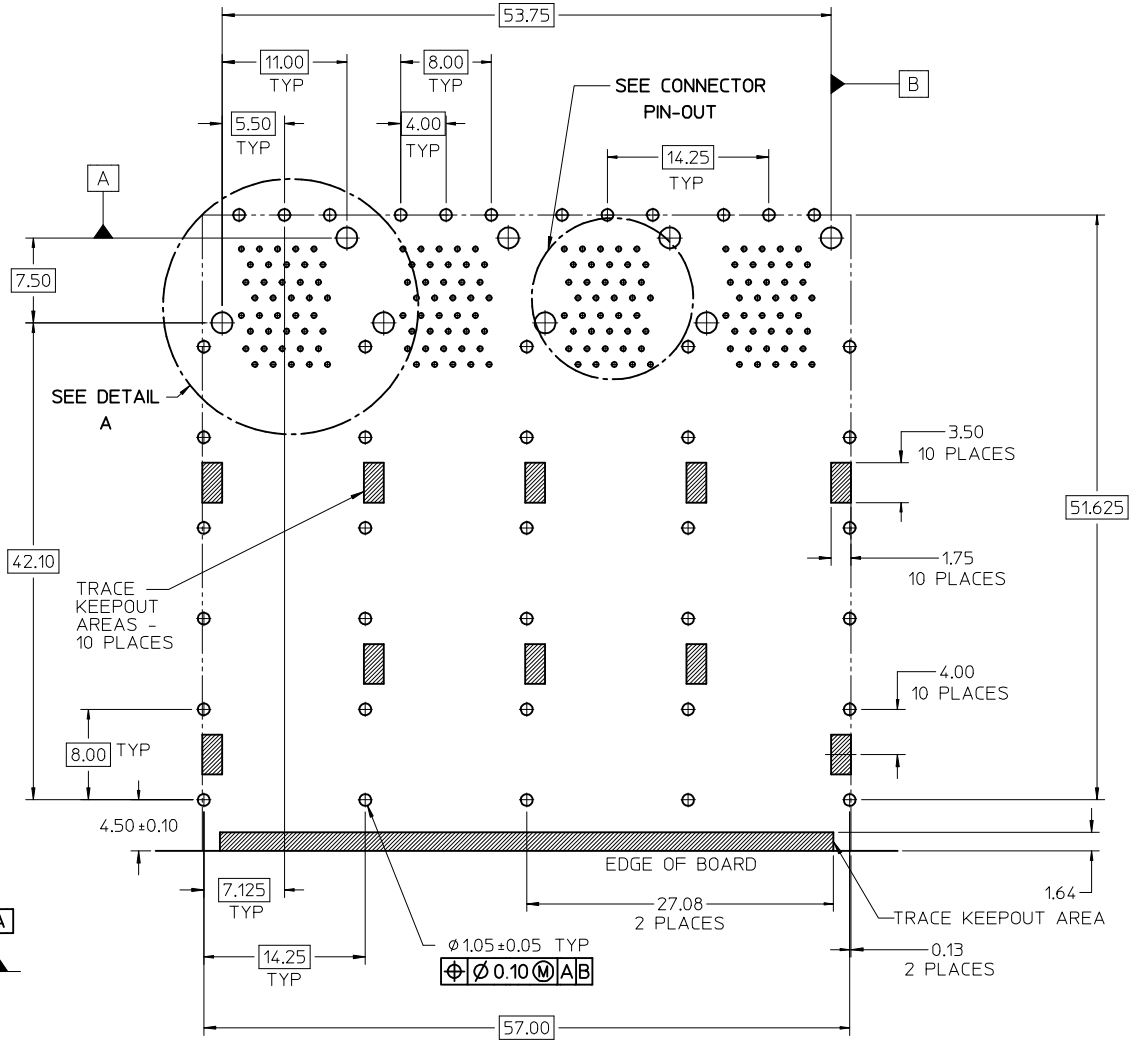
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



CONNECTOR PIN-OUT
SCALE 6:1



DETAIL A
SCALE 8:1



RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)

THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
THIS AREA IS INDICATED BY THE DASHED LINE

ADD KEEP OUT ZONES
EC NO: UCP2010-0997 2009/10/30
DRWN:BBARKER 2009/11/02
CH'KD:MIBARRA 2009/11/02
APPR:SMILLER 2009/11/02
DESCRIPTION
D
REV

QUALITY SYMBOLS
▼=0
▽C=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
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	JLONG	DATE 01-18-2007
CHECKED BY	MSANDBERG	DATE 01-18-2007
APPROVED BY	RNELSON	DATE 01-18-2007

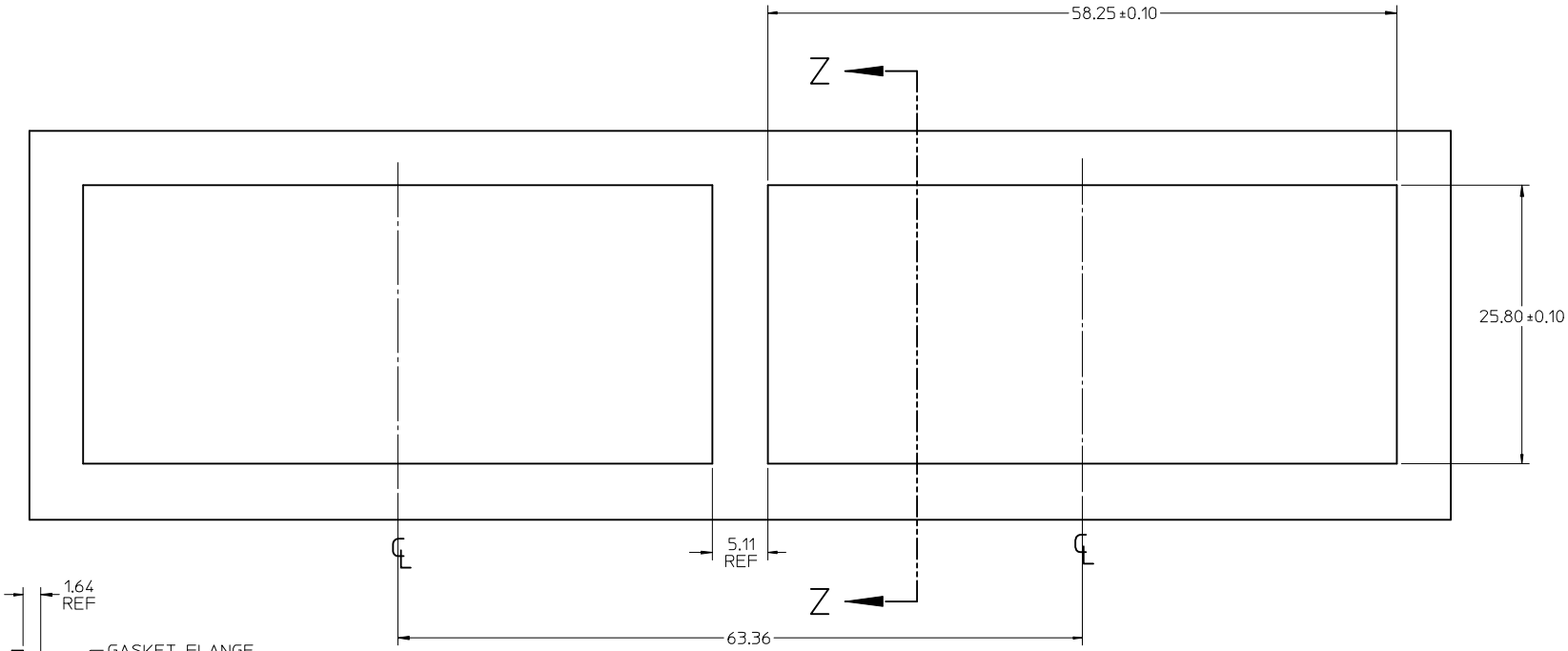
TITLE: STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET

MOLEX INCORPORATED

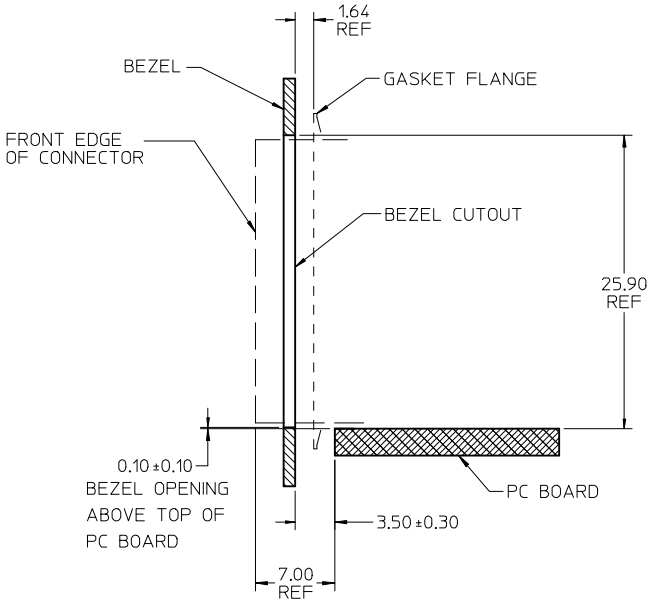
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76102-001
SHEET NO.: 3 OF 4

SIZE: C

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



BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



SECTION Z-Z
SCALE 3:1

SEE SHEET 1
EC NO: UCP2010-0997 2009/10/30
DRWN:BBARKER 2009/11/02
CHKD:MIBARRA 2009/11/02
APPR:SMILLER 2009/11/02
DESCRIPTION
D
REV

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
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	JLONG	01-18-2007
CHECKED BY	MSANDBERG	01-18-2007
APPROVED BY	RNELSON	01-18-2007

TITLE: STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76102-001
SHEET NO.: 4 OF 4
SIZE: C

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