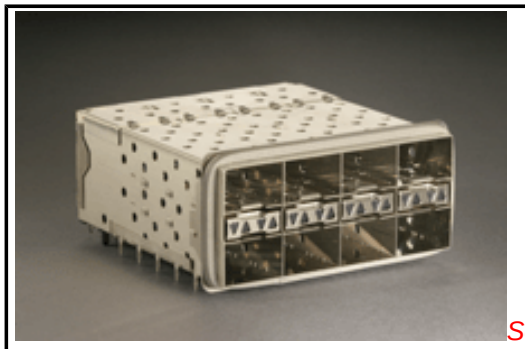
This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0760665001
Status: Active
Overview: sfp_stacked_multiport_connectors
Description: Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-4 Multi-Port Press Fit Connector without Lightpipe Ports, EMI Metal Gasket, 160 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	76066
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
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
Number of Rows	8
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
Contains SVHC: No
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
76066Series

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)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

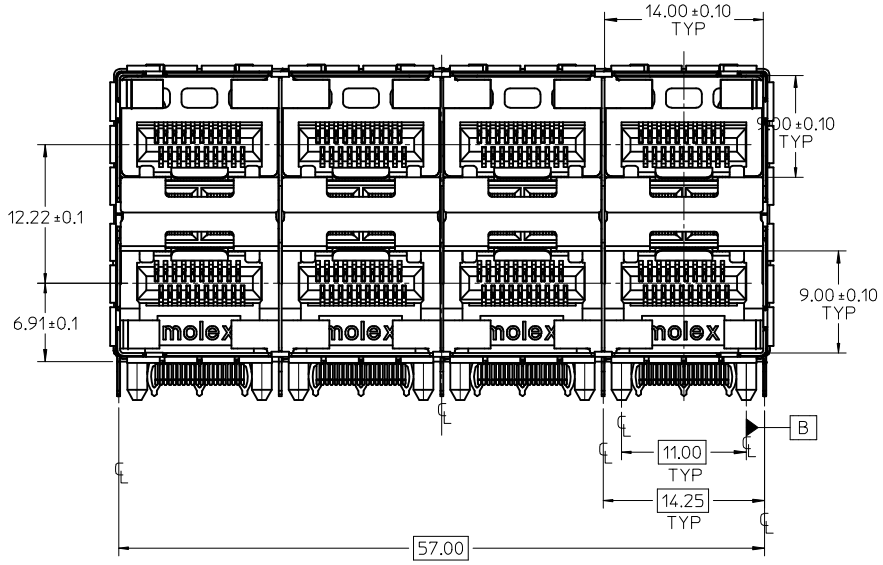
Electrical

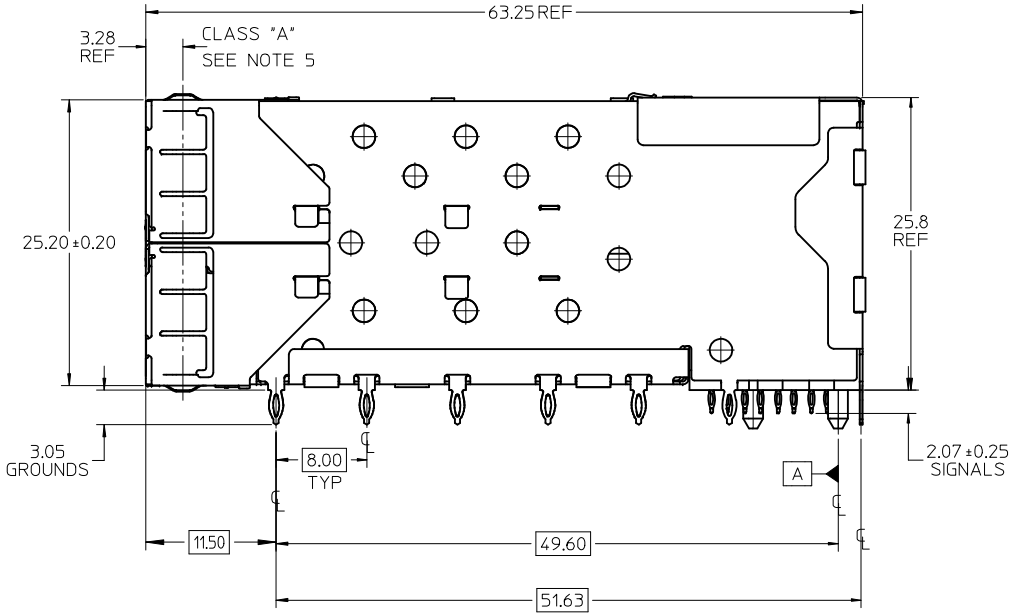
Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Fingers, Full Shield
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75450-001
Product Specification	PS-75310-001
Sales Drawing	SD-76066-001
Test Summary	TS-75310-001





NOTES:

1. MATERIAL:
   - CAGE: NICKEL SILVER, THICKNESS: 0.25mm
   - EMI METAL 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
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 METAL GASKET: 2.54 MICRONS NICKEL OVERALL
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
760660001	TIN / LEAD
760665001	TIN

ADD KEEP OUT ZONES
EC NO: UCP2009-1356 2009/08/04
DRWN:MSIBARRA 2009/08/06
CH'KD:BBAKER
APPR:SMILLER
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

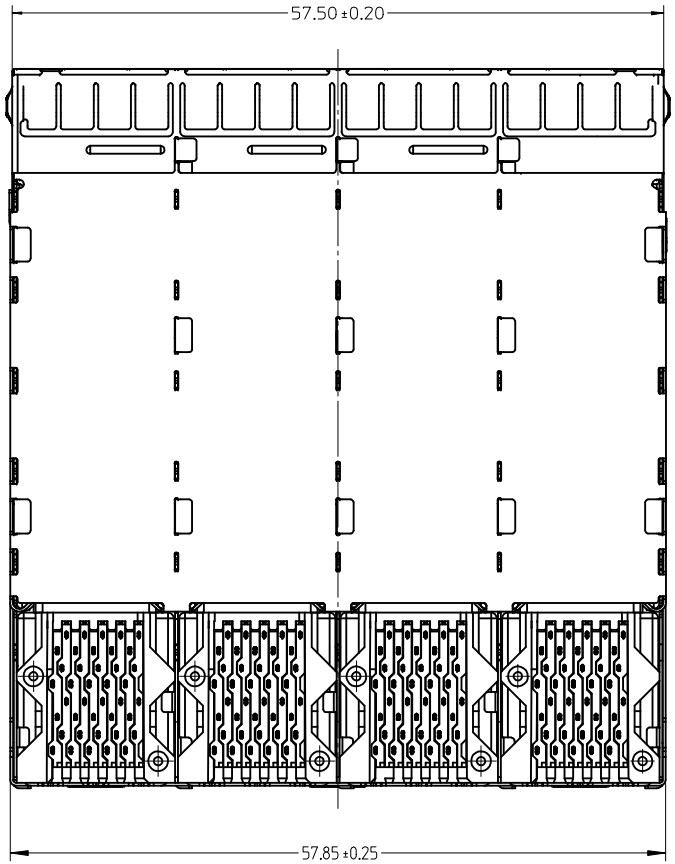
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DRAWN BY	MSANDBERG	10-19-2006
CHECKED BY	JLONG	10-19-2006
APPROVED BY	RNELSON	10-19-2006

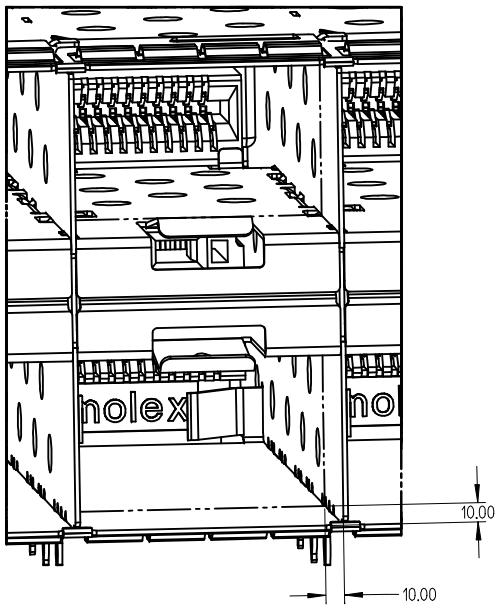
TITLE: STACKED SFP+ 2X4 ASS'Y WITH METAL EMI GASKET

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76066-001
SHEET NO.: 1 OF 4
SIZE: C

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10.00mm INTO PORT AREAS OF 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 2009/08/04
DRWN:MSIBARRA 2009/08/06
CH'KD:BBARKER 2009/08/06
APPR:SMILLER 2009/08/06
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

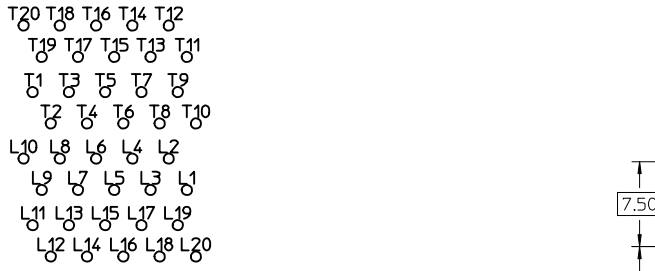
DRAWN BY	MSANDBERG	DATE 10-19-2006
CHECKED BY	JLONG	DATE 10-19-2006
APPROVED BY	RNELSON	DATE 10-19-2006

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

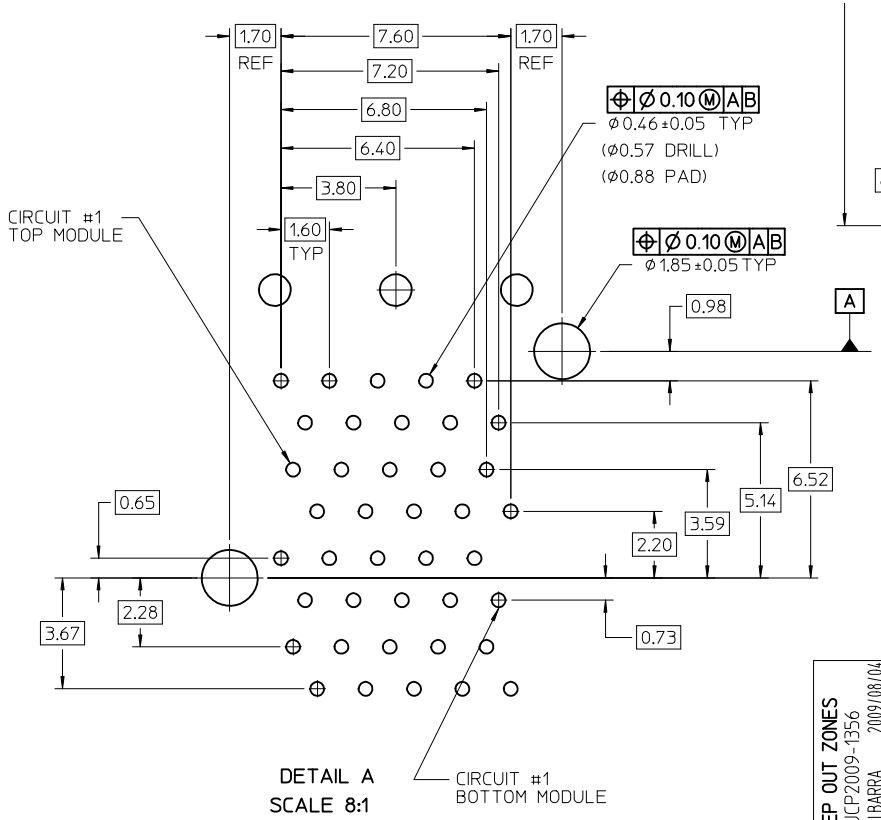
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76066-001
SHEET NO.: 2 OF 4
SIZE: C

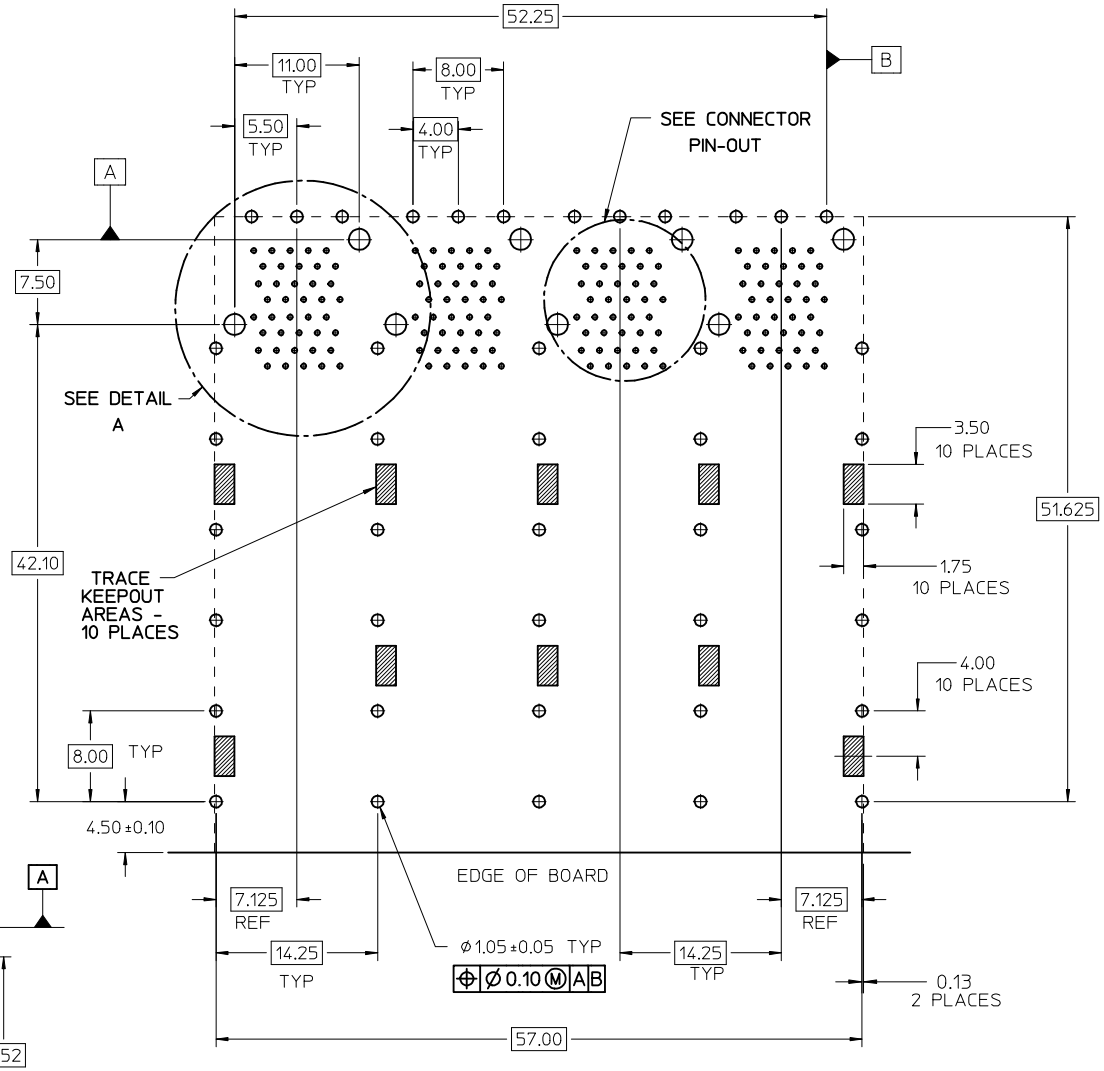
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CONNECTOR PIN-OUT
SCALE 6:1



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 AREA

ADD KEEP OUT ZONES
EC NO: UCP2009-1356
DRWN:MSIBARRA 2009/08/04
CH'KD:BBARKER 2009/08/06
APPR:SMILLER 2009/08/06
DESCRIPTION
D
REV

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

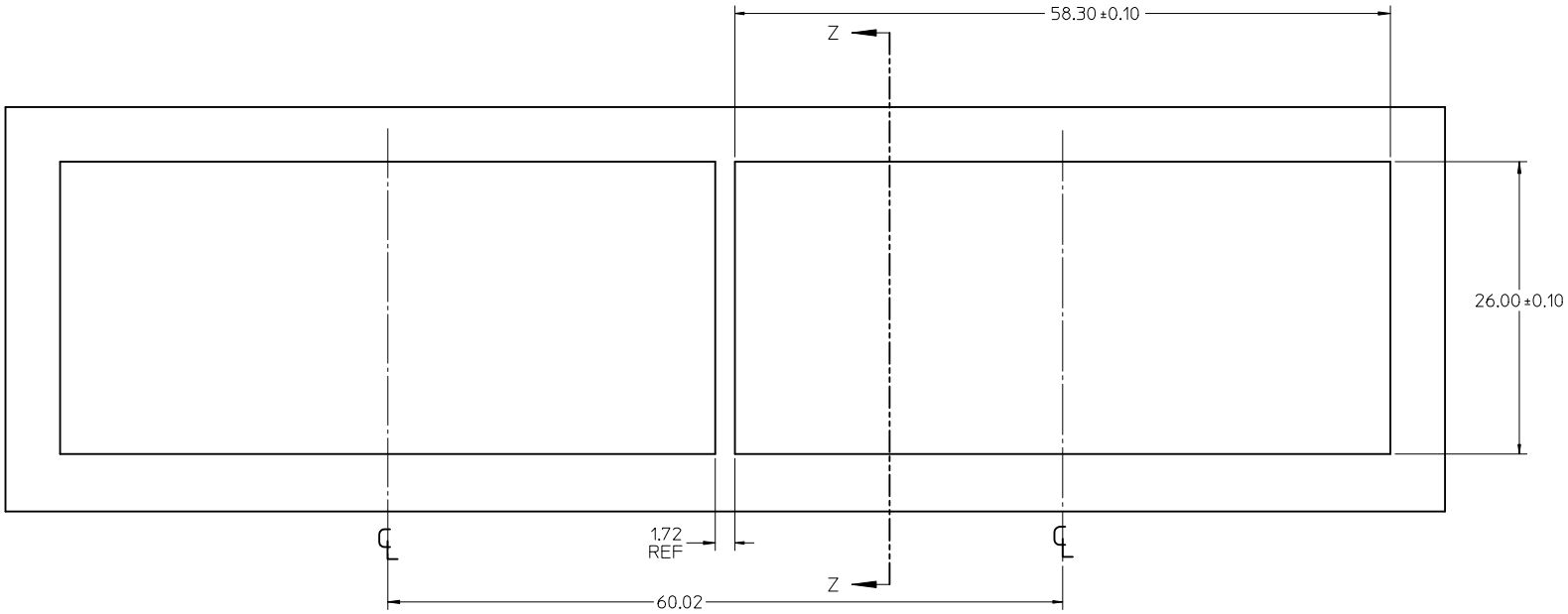
DIMENSION STYLE	MM ONLY
SCALE	3:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	MSANDBERG 10-19-2006
CHECKED BY / DATE	JLONG 10-19-2006
APPROVED BY / DATE	RNELSON 10-19-2006
MATERIAL NO.	SEE TABLE
SIZE	C

TITLE
STACKED SFP+ 2X4 ASS'Y WITH METAL EMI GASKET

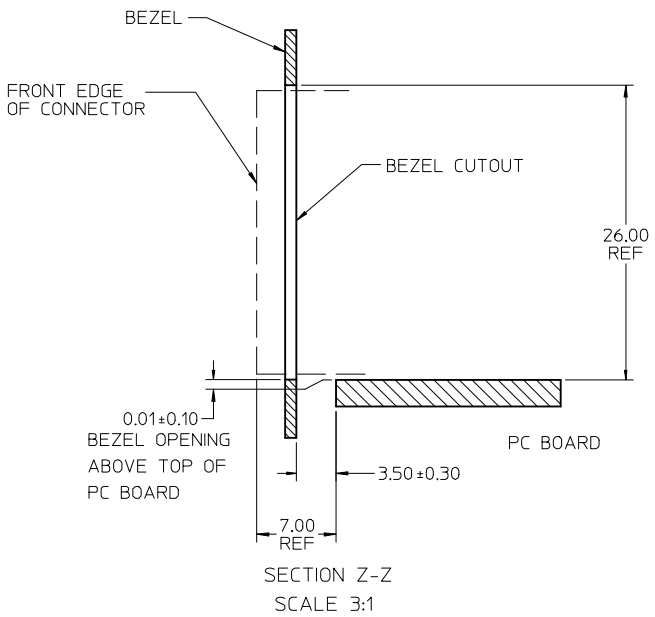
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DOCUMENT NO. SD-76066-001
SHEET NO. 3 OF 4

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BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



SECTION Z-Z
SCALE 3:1

SEE SHEET 1
EC NO: UCP2009-1356
DRWN:MSIBARRA 2009/08/04
CHKD:BBARKER 2009/08/06
APPR:SMILLER 2009/08/06
DESCRIPTION
REV
D

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

DRAWN BY: MSANDBERG DATE: 10-19-2006
CHECKED BY: JLONG DATE: 10-19-2006
APPROVED BY: RNELSON DATE: 10-19-2006

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

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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-76066-001
SHEET NO.: 4 OF 4
SIZE: C

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