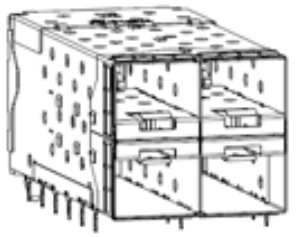
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This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0760650001
Status: Obsolete
Overview: sfp_stacked_multiport_connectors
Description: Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-2 Multi-Port Press Fit Connector without Lightpipe Ports, EMI Metal Gasket, 80 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	76065
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
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
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
Plating min: Termination (µm)	0.76

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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
76065Series

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

Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	4
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

Electrical

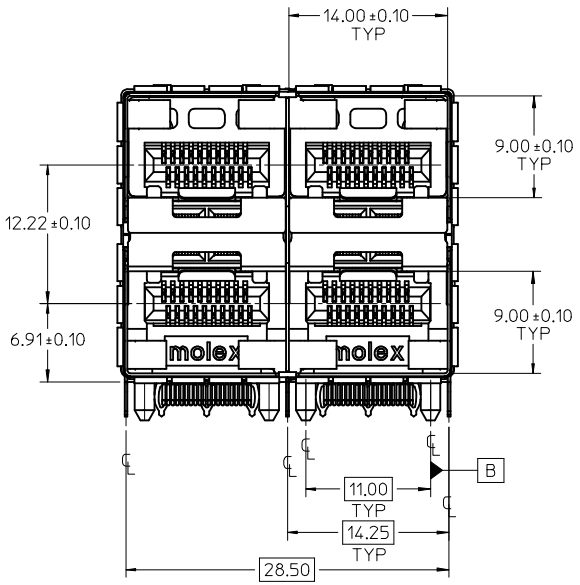
Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Gasket
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

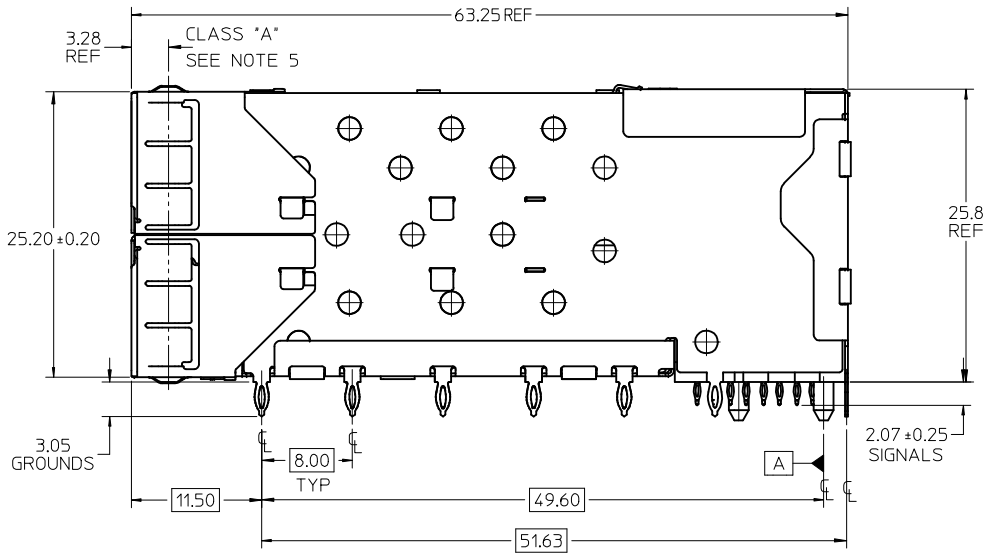
Material Info

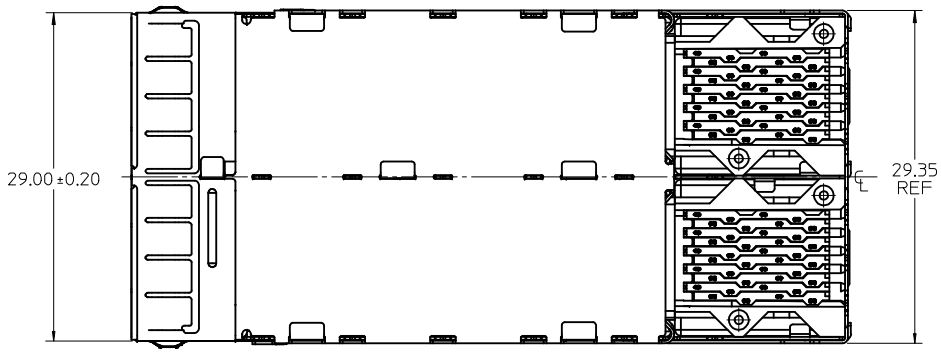
Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75714-001
Product Specification	PS-75310-001
Sales Drawing	SD-76065-001

PART NUMBER	COMPLIANT TAIL PLATING
760650001	TIN / LEAD
760655001	TIN







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 TERMINALS HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
   TERMINALS: TIN BRASS
2. 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 - 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-75714-001 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.

ADD KEEP-OUT ZONES
EC NO: UCP2009-1356 2009/08/04
DRWN:MSIBARRA 2009/08/06
CHKD:BBARKER 2009/08/06
APPR:SMILLER 2009/08/06
DESCRIPTION
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

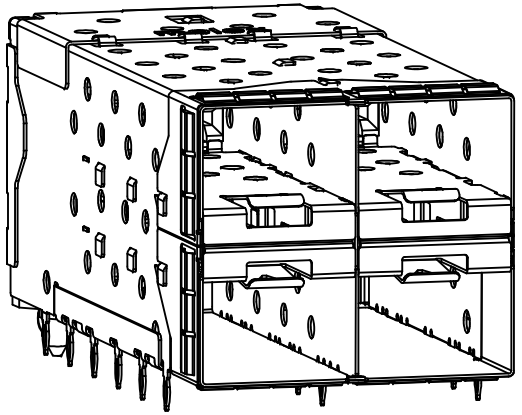
DRAWN BY	MSANDBERG	DATE 10-23-06
CHECKED BY	JLONG	DATE 10-23-06
APPROVED BY	RNELSON	DATE 10-23-06

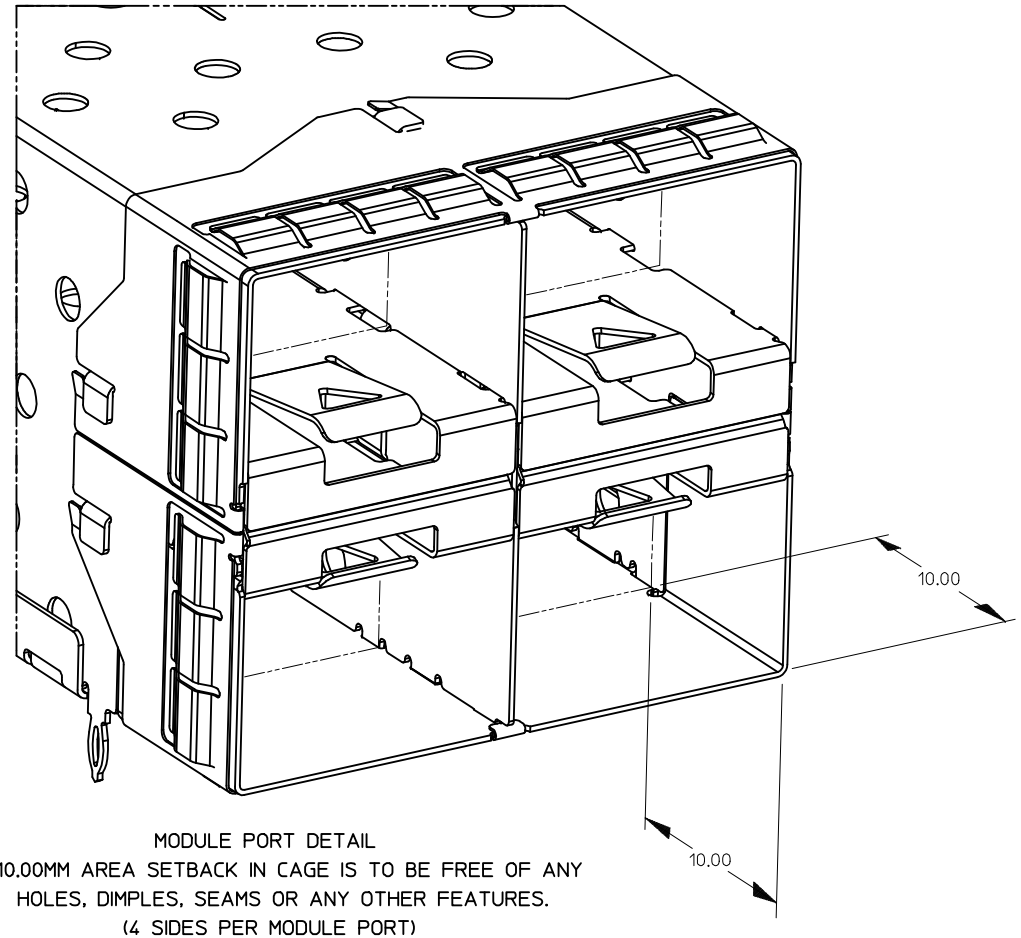
TITLE: STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-76065-001
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





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

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

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▽C=0

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

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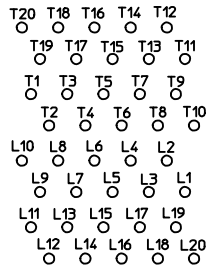
		DATE
DRAWN BY	MSANDBERG	10-23-06
CHECKED BY	JLONG	10-23-06
APPROVED BY	RNELSON	10-23-06

TITLE: STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET

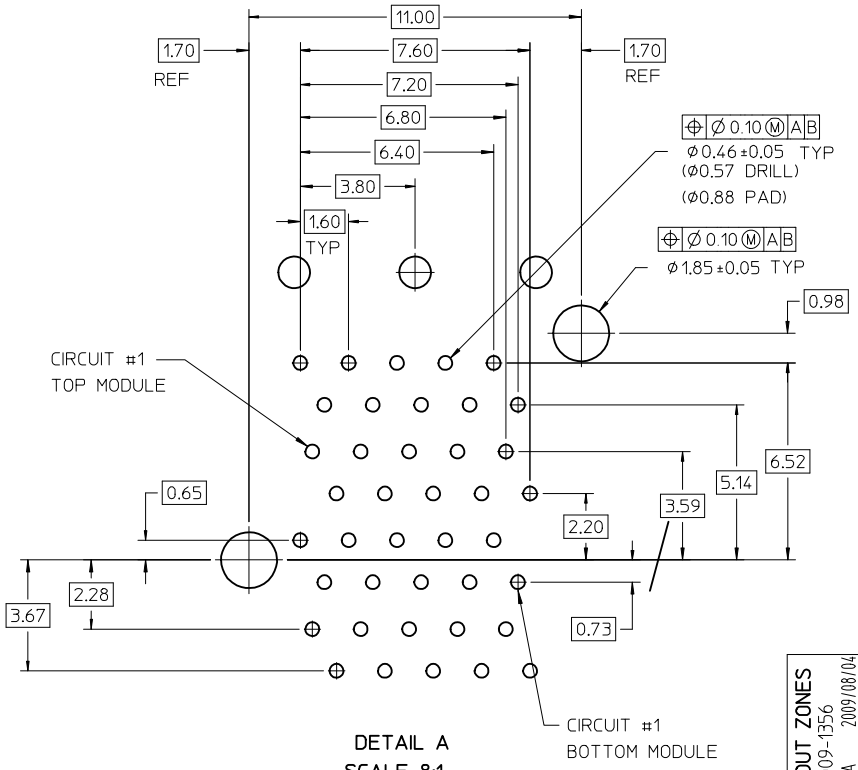
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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-76065-001
SHEET NO.: 2 OF 4
SIZE: C

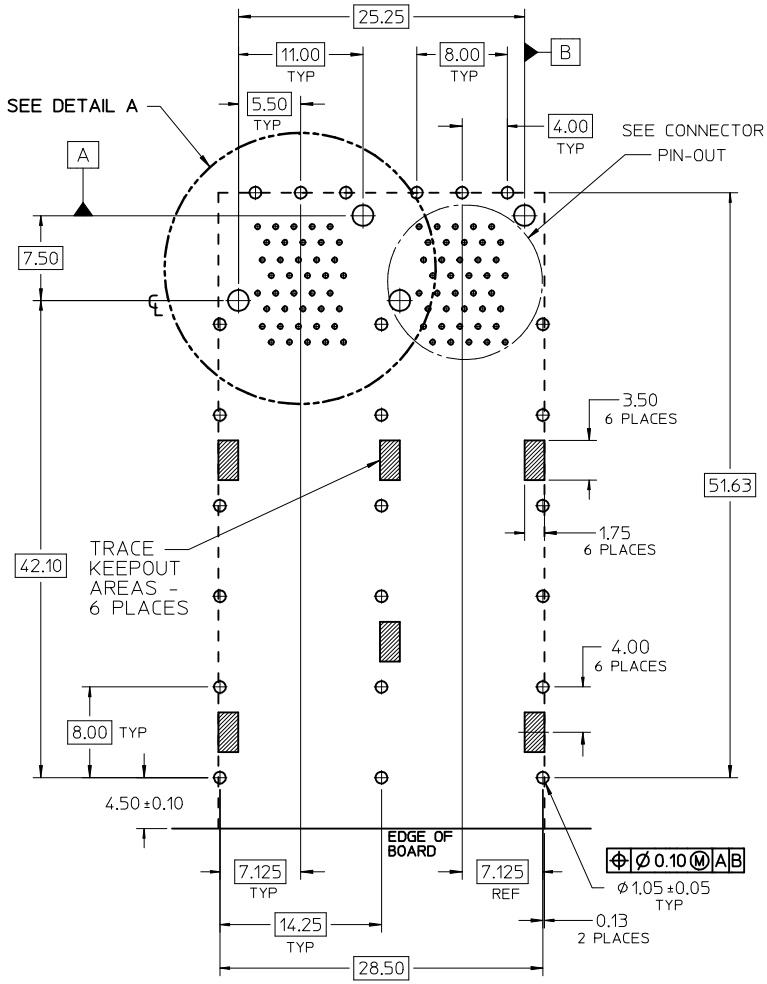
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CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD



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
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ANGULAR ± 5 °		

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

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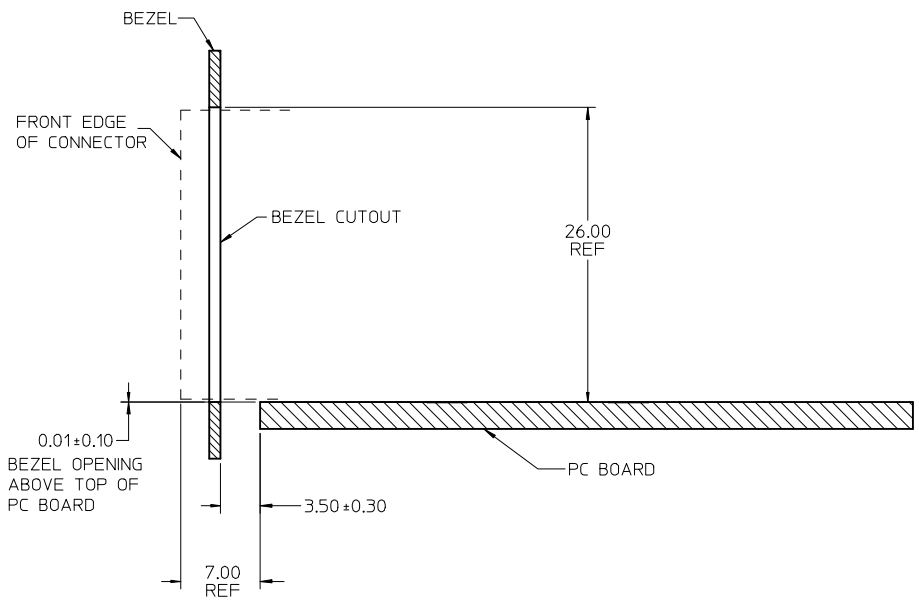
TITLE: STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET

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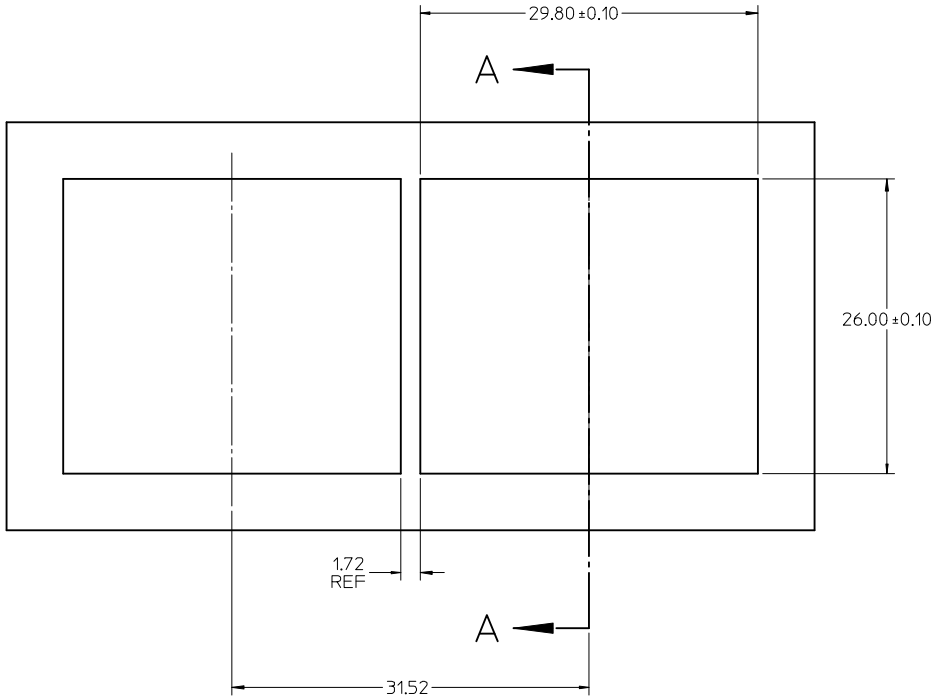
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-76065-001
SHEET NO.: 3 OF 4

SIZE C

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SECTION A-A



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

SEE SHEET 1
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