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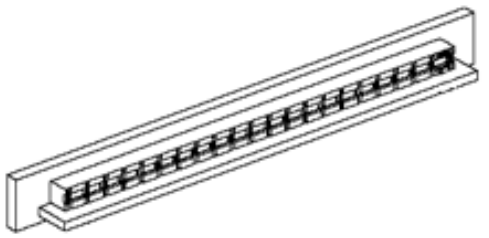
Part Number: 0757300223
Status: Active
Overview: extreme_micropower
Description: 4.00mm (.157") EXTreme MicroPower™ Header, 23 Circuits, 3.81mm (.150") Tail Length



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-75730-999 (PDF)
- RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	75730
Application	Board-to-Board
Overview	extreme_micropower
Product Name	EXTreme MicroPower™

Physical

Breakaway	No
Circuits (Loaded)	23
Circuits (maximum)	23
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	No
Material - Metal	Copper
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.150 In
PC Tail Length (mm)	3.81 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.066 In, 0.125 In
PCB Thickness Recommended (mm)	1.67 mm, 3.18 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.157 In
Pitch - Mating Interface (mm)	4.00 mm
Pitch - Term. Interface (in)	0.157 In
Pitch - Term. Interface (mm)	4.00 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.5
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
75730Series

Electrical

Current - Maximum per Contact	16A
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-75730-118
Product Specification	PS-75730-999
Sales Drawing	SD-75730-118

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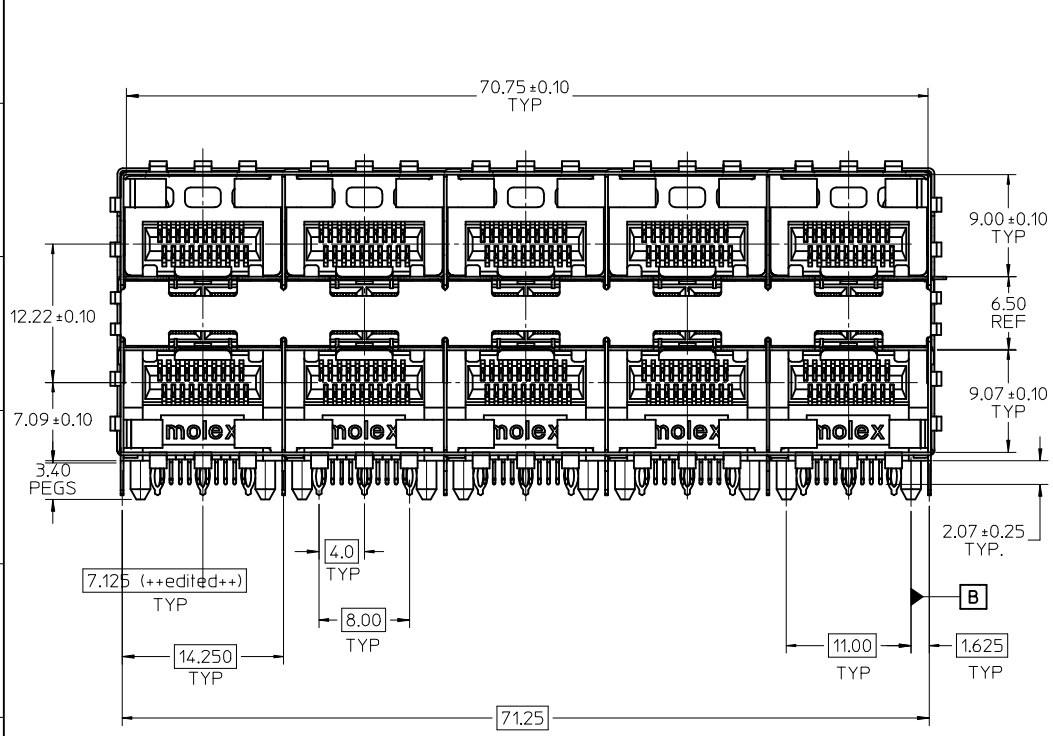
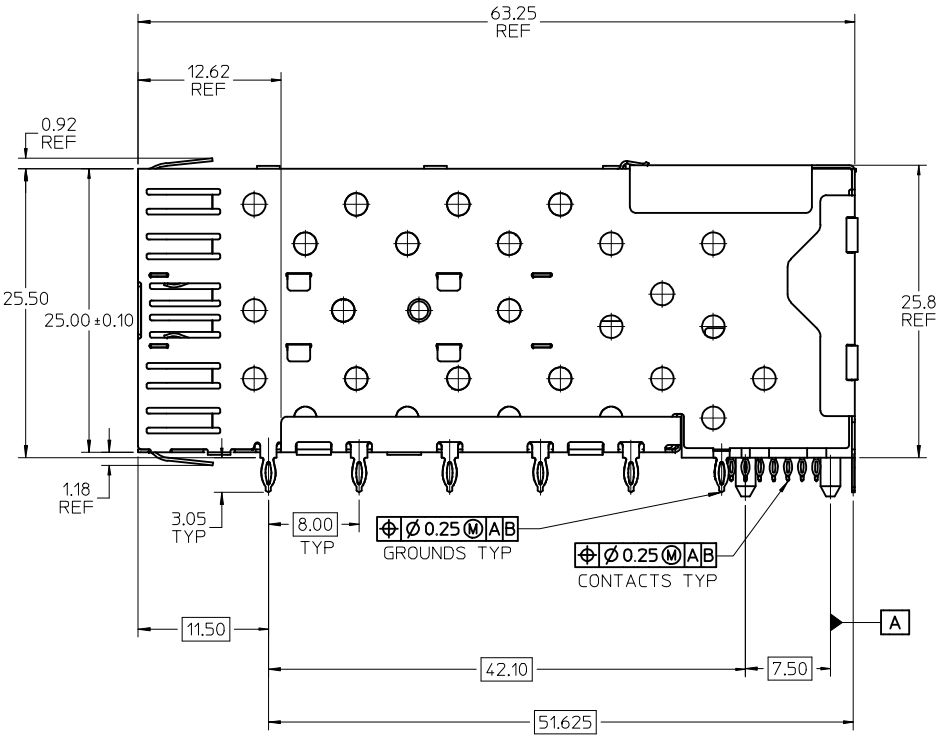




NOTES:

1. MATERIAL:
   CAGE: NICKEL SILVER, THICKNESS: 0.25mm
   CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94 V-0,
   COLOR: BLACK
   OVERMOLD TERMINAL HOUSING: GLASS FILLED THERMOPLASTIC.
   UL: 94 V-0, COLOR: BLACK
   TERMINALS: BRASS
2. FINISH
   TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD
   OVER 1.27 MICROMETERS MINIMUM NICKEL.
   COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICROMETERS 90/10 TIN/LEAD
   OVER 0.76 - 1.52 MICROMETERS NICKEL.
   COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICROMETERS TIN
   OVER 0.76 - 1.52 MICROMETERS NICKEL.
3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIROMENTAL SPECIFICATIONS.
4. REFER TO PK-75733-001 FOR ALL PACKAGING SPECIFICATIONS.
5. THE CURVED TAILS THAT GO INTO THE HOLES LOCATED BY THESE DIMENSIONS ARE BEING ELIMINATED. TO ACCOMMODATE THIS CONVERSION, IT IS RECOMMENDED THAT BOARDS DESIGNED TO THIS PRINT REVISION INCLUDE THESE HOLES.
6. PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.
   SEE SHEET 4 SECTION Z-Z FOR SURFACE CLASSIFICATIONS.
   UNDERSIDE OF CAGE COMPLIES WITH CLASS "C".

MATERIAL NO.	TERMINAL TAIL PLATING
757335001	TIN
757330001	TIN /LEAD

ADD KEEP OUT ZONES
EC NO: UCP2010-0369 2009/07/01
DRWN:MSIBARRA 2009/08/26
CH'KD:BBARKER 2009/08/27
APPR:SMILLER 2009/08/27
DESCRIPTION
REV
E

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

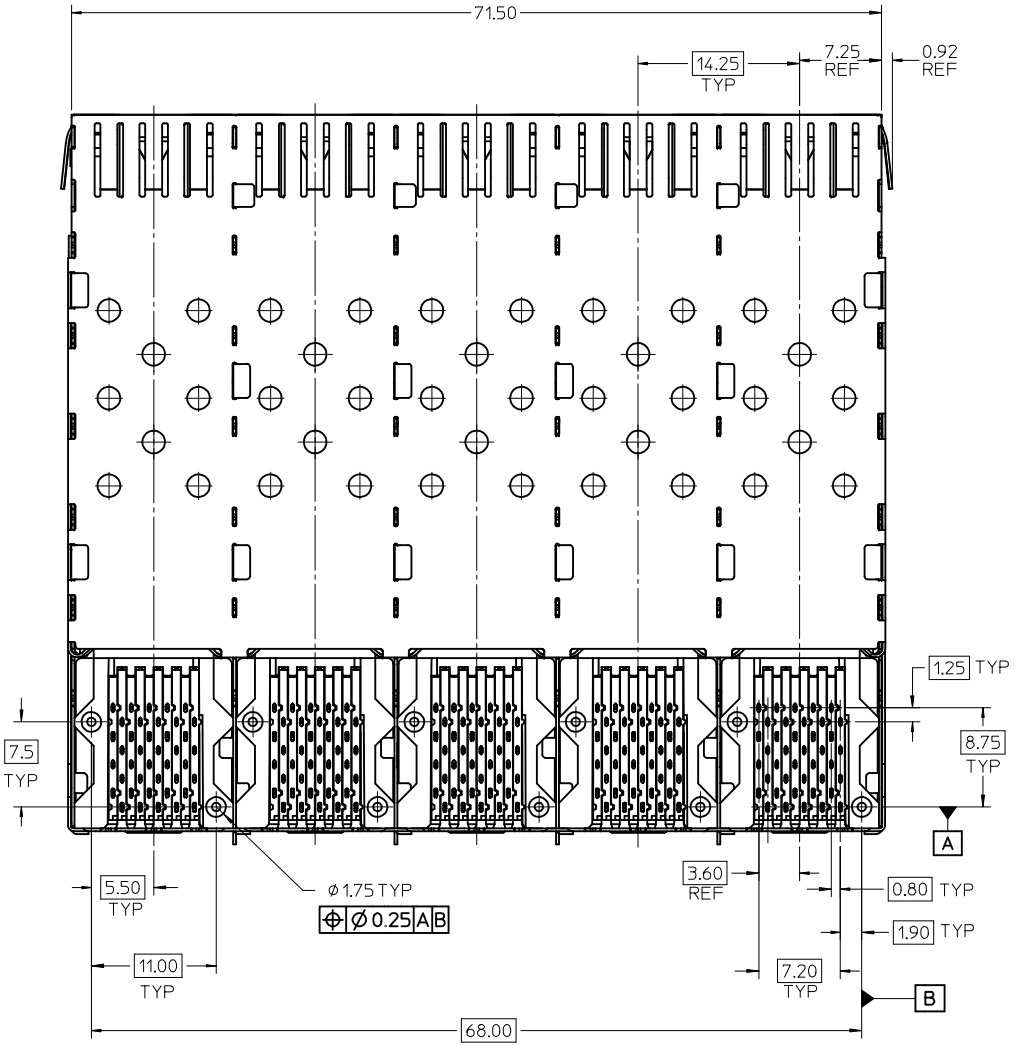
		DRAWN BY	DATE
		DROSCA	11/23/2004
		CHECKED BY	DATE
		JLONG	11/23/2004
		APPROVED BY	DATE
		RNELSON	11/23/2004

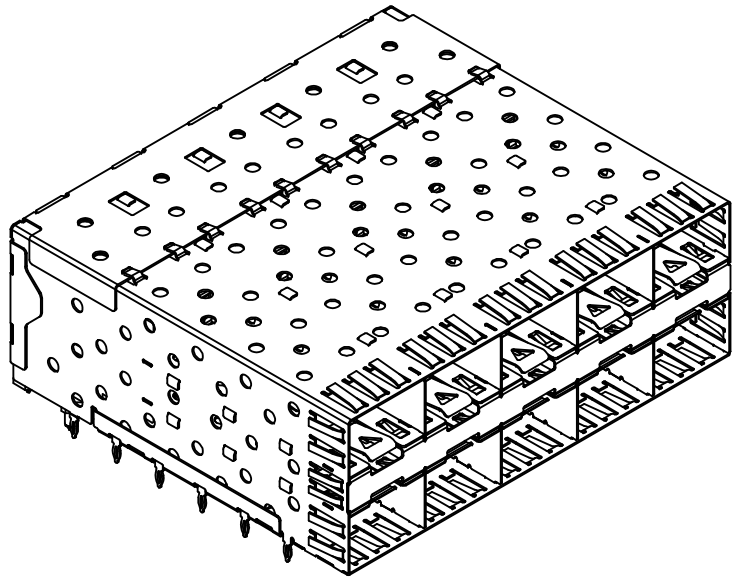
TITLE: STACKED SFP 2X5 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES

MOLEX INCORPORATED

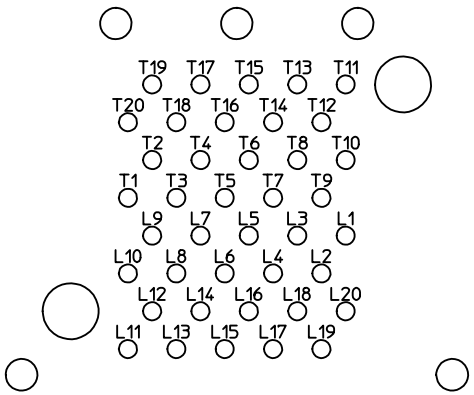
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-75733-001
SHEET NO.: 1 OF 4
SIZE: C

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

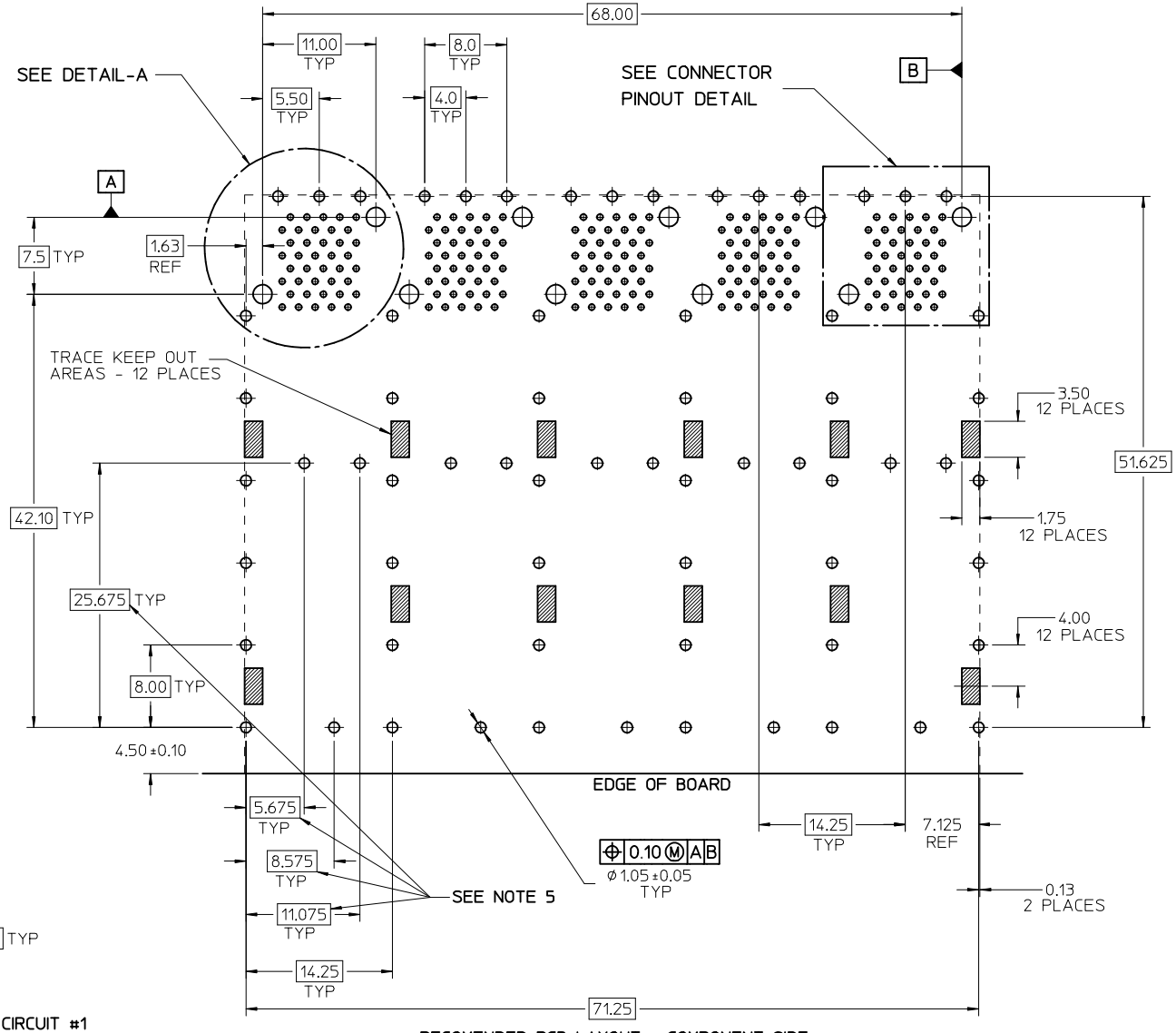


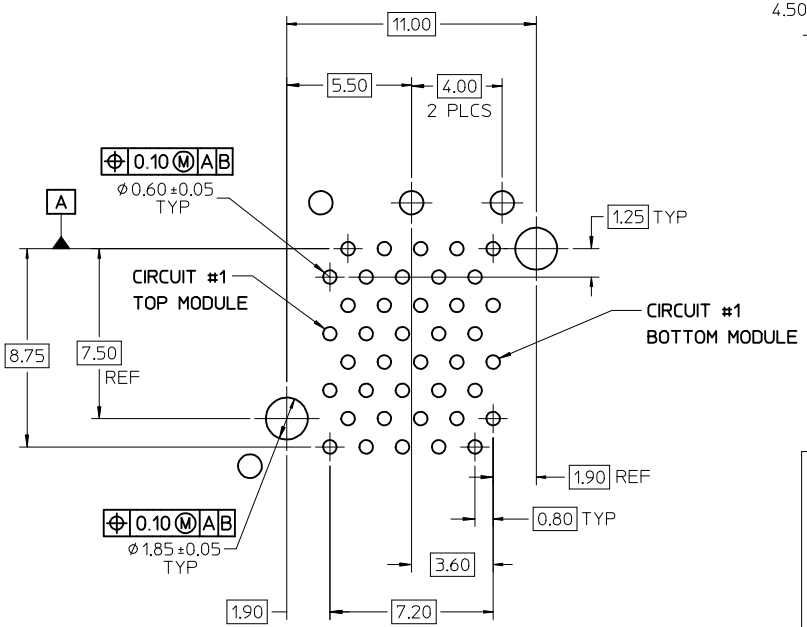


SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
EC NO: UCP2010-0369 2009/07/01	▼=0		mm / INCH	MM ONLY	3:1	METRIC	
DRWN:MSIBARRA 2009/08/26	▽=0	4 PLACES	± --- / ± ---	DRAWN BY: DROSCA DATE: 11/23/2004	TITLE: STACKED SFP 2X5 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES		
CH'KD:BBARKER 2009/08/27		3 PLACES	± --- / ± ---	CHECKED BY: JLONG DATE: 11/23/2004			
APPR:SMILLER		2 PLACES	± 0.13 / ± ---	APPROVED BY: RNELSON DATE: 11/23/2004	molex MOLEX INCORPORATED		
DESCRIPTION		1 PLACE	± 0.25 / ± ---				
REV: E		ANGULAR ± 5 °		MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-75733-001		SHEET NO.: 2 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		



CONNETION PINOUT DETAIL
COMPONENT SIDE OF BOARD





DETAIL-A
SCALE 6:1

RECOMENDED 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: UCP2010-0369 2009/07/01
DRWN:MS1BARRA 2009/08/26
CH'KD:BBARKER 2009/08/27
APPR:SMILLER
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

		DATE
DRAWN BY	DROSCA	11/23/2004
CHECKED BY	JLONG	11/23/2004
APPROVED BY	RNELSON	11/23/2004

TITLE: STACKED SFP 2X5 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES
MOLEX INCORPORATED
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-75733-001
SHEET NO.: 3 OF 4
SIZE: C

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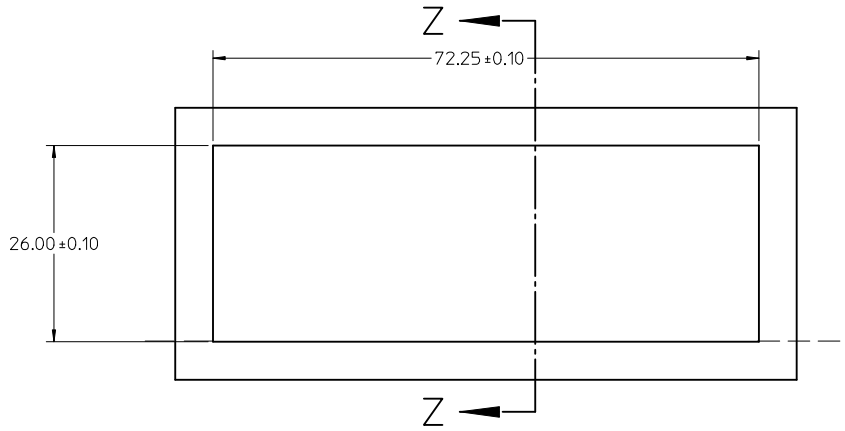
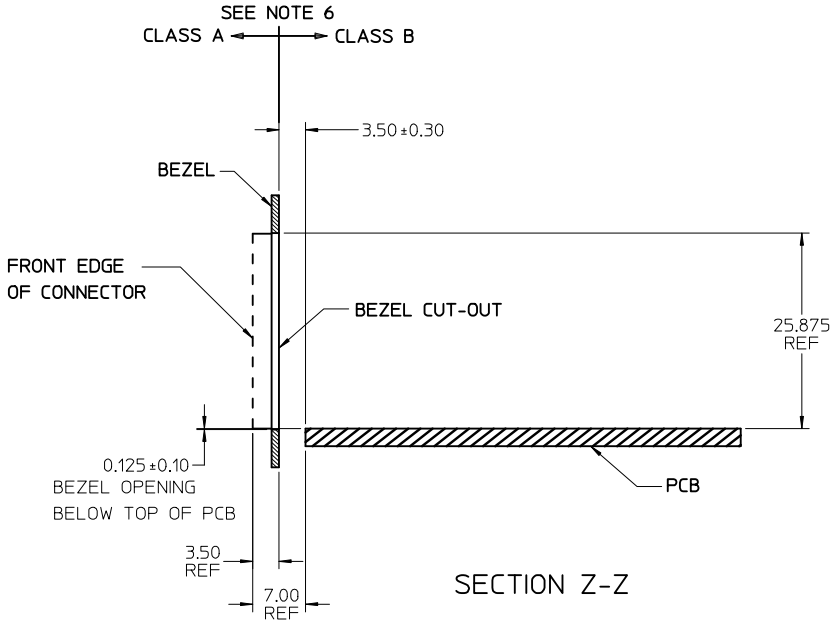


BEZEL CUT-OUT OPENING DETAIL
BEZEL THICKNESS 0.8 -2.6



SECTION Z-Z

SEE SHEET 1
EC NO: UCP2010-0369 2009/07/01
DRWN:MS|BARRA 2009/08/26
CH'KD:BBARKER 2009/08/27
APPR:SMILLER 2009/08/27
DESCRIPTION
REV
E

QUALITY SYMBOLS
▼=0
▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
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1 PLACE	± 0.25	± ---
ANGULAR ± 5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	DROSCA	11/23/2004
CHECKED BY	JLONG	11/23/2004
APPROVED BY	RNELSON	11/23/2004

TITLE: STACKED SFP 2X5 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-75733-001
SHEET NO.: 4 OF 4
SIZE: C

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