

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0754545001](#)  
**Status:** **Active**  
**Overview:** [sfp\\_stacked\\_connectors](#)  
**Description:** Small Form-factor Pluggable (SFP) Stacked 2-by-4 Multi-Port Connector with Press-fit PC Tails, 160 Circuits, Lead Free

**Documents:**

[3D Model](#) [Product Specification PS-75310-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification \(PDF\)](#)

**Agency Certification**

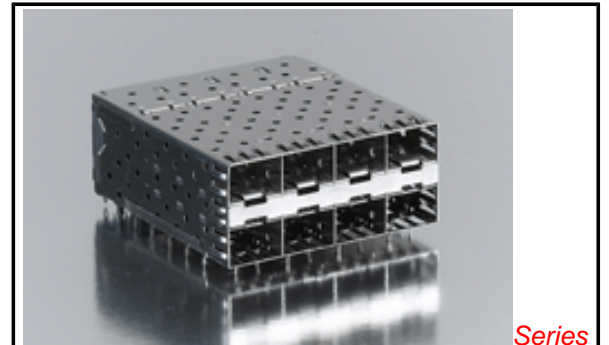
CSA LR19980  
 UL E29179

**General**

Product Family I/O Connectors  
 Series [75454](#)  
 Application Module-to-Board  
 Component Type Receptacle  
 Overview [sfp\\_stacked\\_connectors](#)  
 Product Name SFP  
 Type N/A

**Physical**

Boot Color N/A  
 Circuits (Loaded) 160  
 Circuits (maximum) 160  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Gender Female  
 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 2  
 Orientation Right Angle  
 PC Tail Length (in) 0.084 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  
 Polarized to Mating Part Yes



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
 Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free  
 Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[75454Series](#)

**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	<a href="#">0622029920</a>
SFP Stacked Multi-Port Extraction Tool, 2 by 4	<a href="#">0622029940</a>

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
Shield Type	EMI Fingers
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

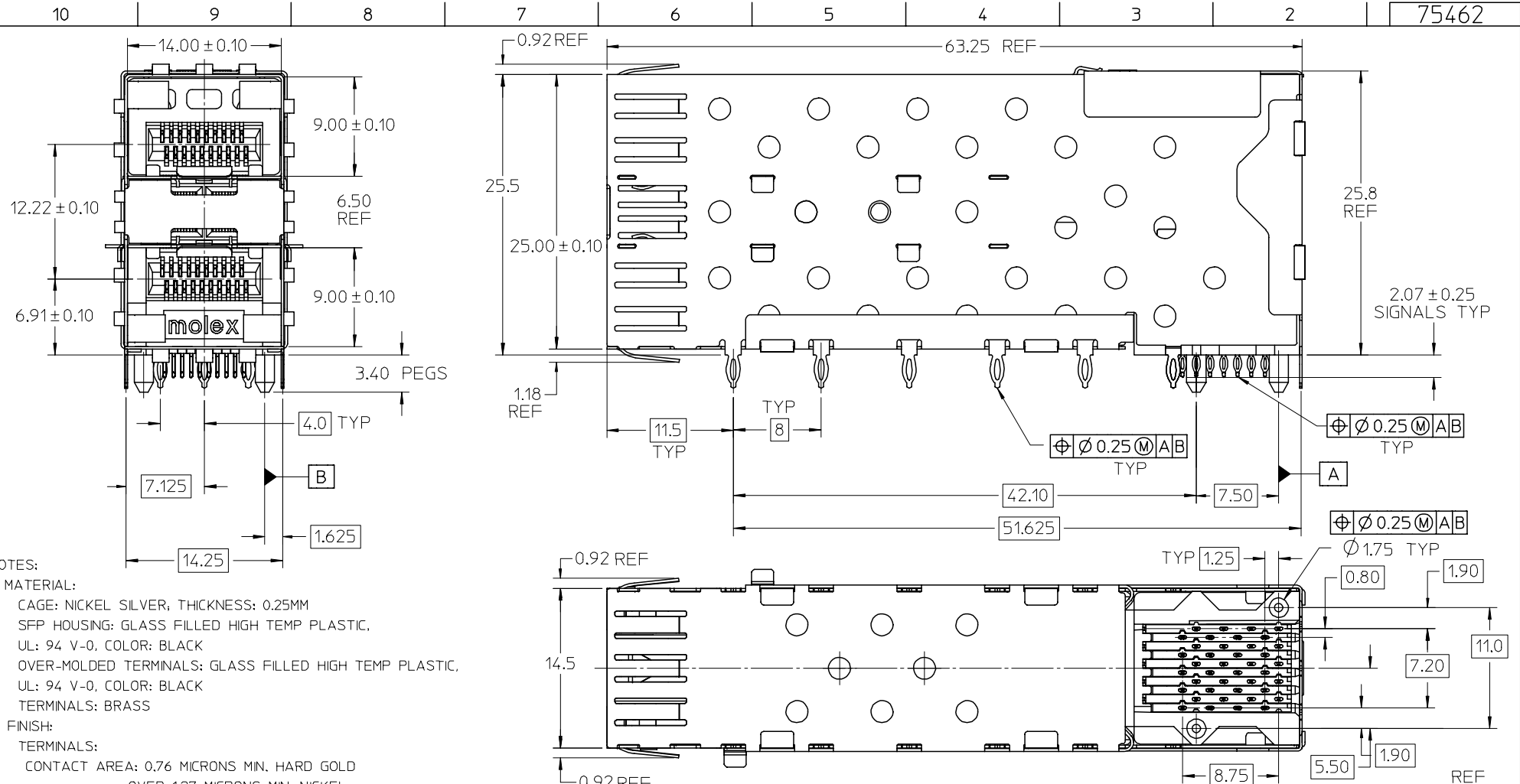
### **Material Info**

#### **Reference - Drawing Numbers**

Application Specification	AS-75310-001
Packaging Specification	PK-75450-001
Product Specification	PS-75310-001
Sales Drawing	SD-75454-001

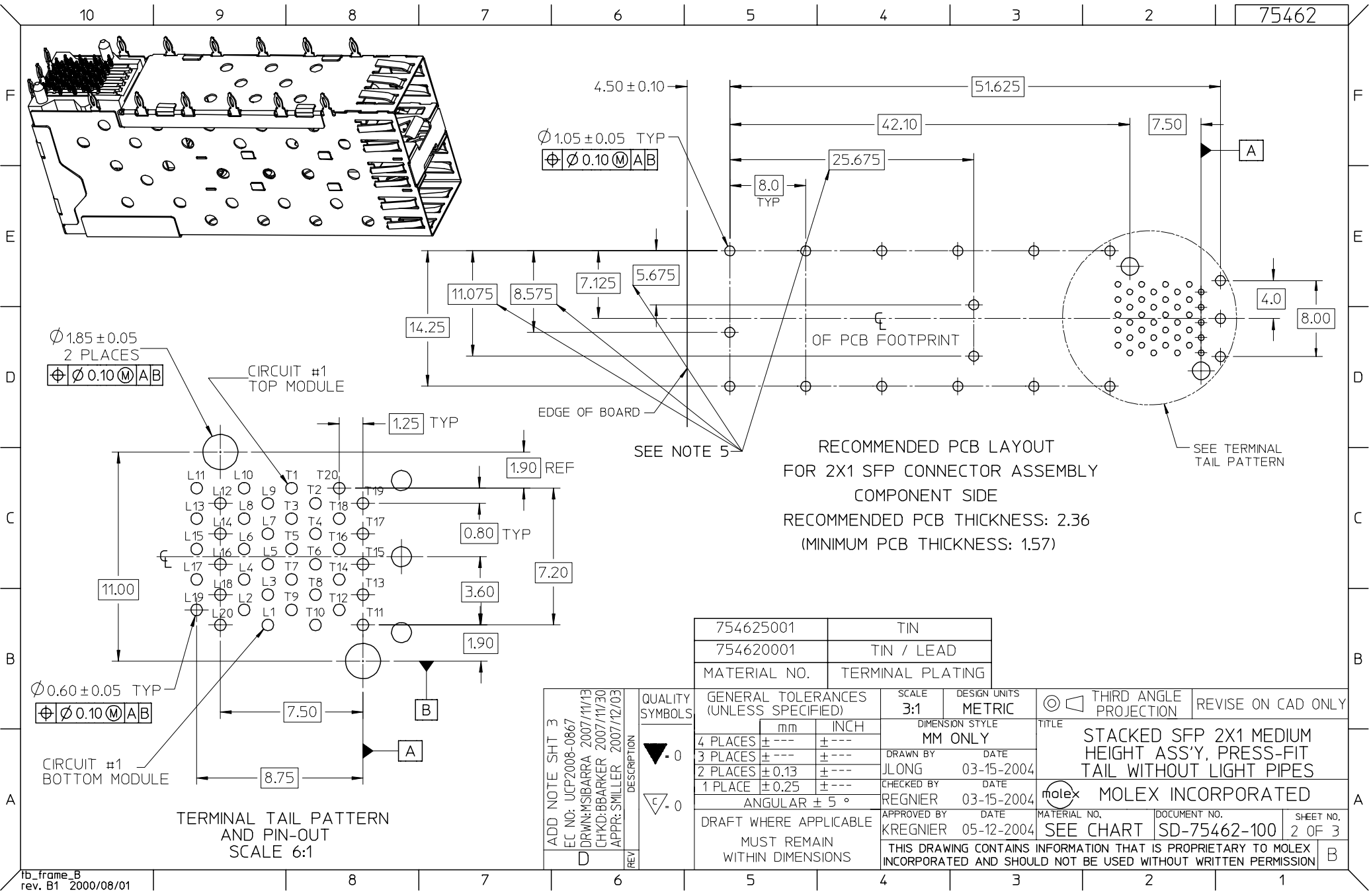
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- NOTES:
- MATERIAL:
    - CAGE: NICKEL SILVER, THICKNESS: 0.25MM
    - SFP HOUSING: GLASS FILLED HIGH TEMP PLASTIC,
    - UL: 94 V-0, COLOR: BLACK
    - OVER-MOLDED TERMINALS: GLASS FILLED HIGH TEMP PLASTIC,
    - UL: 94 V-0, COLOR: BLACK
    - TERMINALS: BRASS
  - FINISH:
    - TERMINALS:
      - 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.
  - REFER TO PS-75310-001 FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
  - REFER TO PK-75462-001 FOR ALL PACKAGING SPECIFICATIONS.
  - 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.

ADD NOTE SHT 3 EC NO: UCP2008-0867 DRWN: MSIBARRA 2007/11/13 CHKD: BBARKER 2007/11/30 APPR: SMILLER 2007/12/03	QUALITY SYMBOLS ▽ - 0 ▽ - 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
				DIMENSION STYLE MM ONLY		TITLE STACKED SFP 2X1 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES		
				DRAWN BY DATE JLONG 03-15-2004		MATERIAL NO. SEE CHART		
				CHECKED BY DATE REGNIER 03-15-2004		DOCUMENT NO. SD-75462-100		
		APPROVED BY DATE KREGNIER 05-12-2004		SHEET NO. 1 OF 3				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



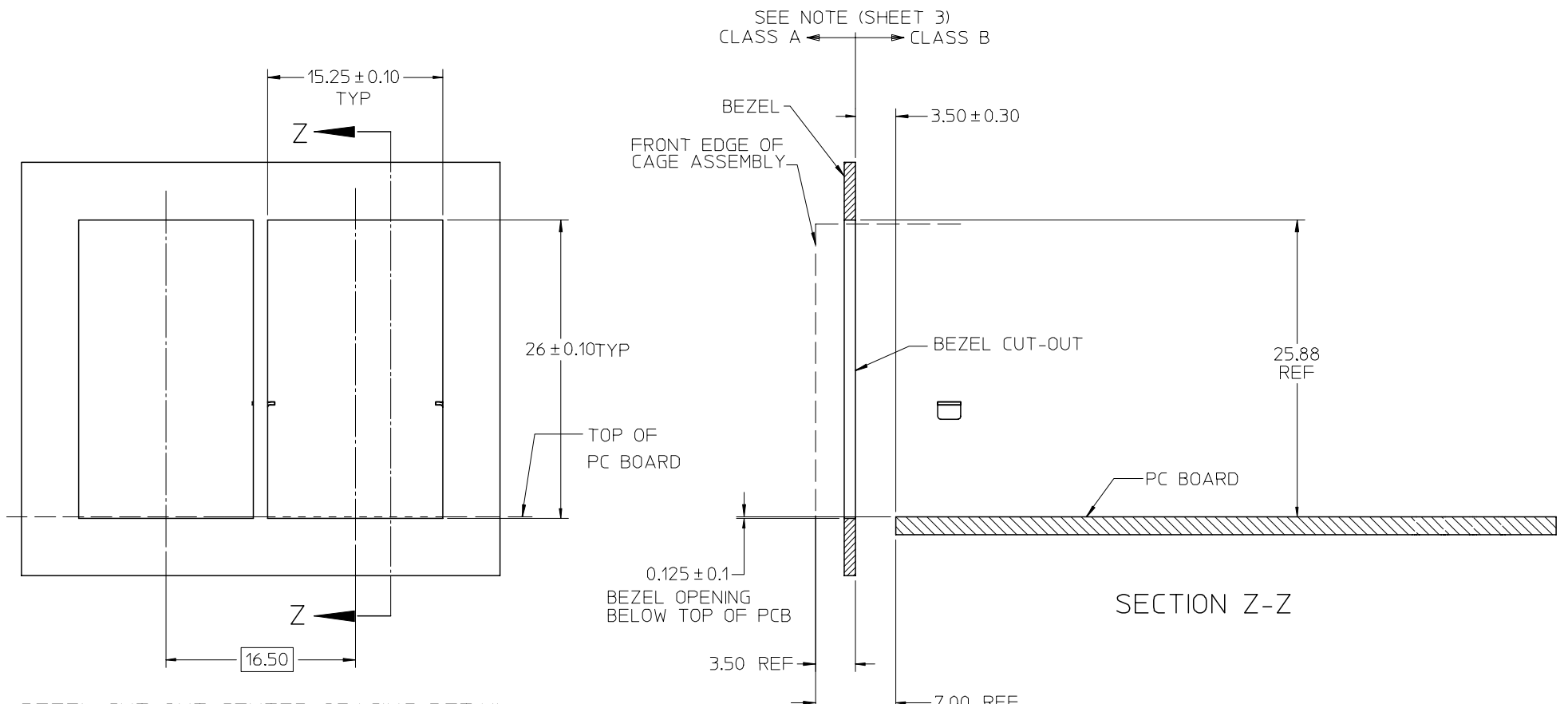
754625001	TIN
754620001	TIN / LEAD
MATERIAL NO.	TERMINAL PLATING

ADD NOTE SHT 3	QUALITY SYMBOLS
EC NO: UCP2008-0867	▽ - 0
DRWN: MSIBARRA 2007/11/13	▽ - 0
CHKD: BBARKER 2007/11/30	
APPR: SMILLER 2007/12/03	
REV	DESCRIPTION
D	

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	

SCALE 3:1	DESIGN UNITS METRIC
DIMENSION STYLE MM ONLY	
DRAWN BY JLONG	DATE 03-15-2004
CHECKED BY REGNIER	DATE 03-15-2004
APPROVED BY KREGNIER	DATE 05-12-2004

THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
TITLE STACKED SFP 2X1 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES	
MOLEX INCORPORATED	
MATERIAL NO. SEE CHART	DOCUMENT NO. SD-75462-100
SHEET NO. 2 OF 3	
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BEZEL CUT-OUT CENTER SPACING DETAIL  
BEZEL THICKNESS 0.8 - 2.6

NOTE:  
PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002.  
SEE SECTION Z-Z FOR SURFACE CLASSIFICATIONS.  
UNDERSIDE OF CAGE COMPLIES WITH CLASS 'C'.

ADD NOTE EC NO: UCP2008-0867 DRWN: MSIBARRA 2007/11/13 CHKD: BBARKER 2007/11/30 APPR: SMILLER 2007/12/03	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
			mm	INCH	DIMENSION STYLE MM ONLY		TITLE STACKED SFP 2X1 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES		
		4 PLACES	± ---	± ---	DRAWN BY JLONG	DATE 03-15-2004	MATERIAL NO. SEE CHART		
		3 PLACES	± ---	± ---	CHECKED BY REGNIER	DATE 03-15-2004	DOCUMENT NO. SD-75462-100		
			2 PLACES	± 0.13	± ---	APPROVED BY KREGNIER		DATE 05-12-2004	SHEET NO. 3 OF 3
			1 PLACE	± 0.25	± ---	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						