

Excellent Integrated System Limited

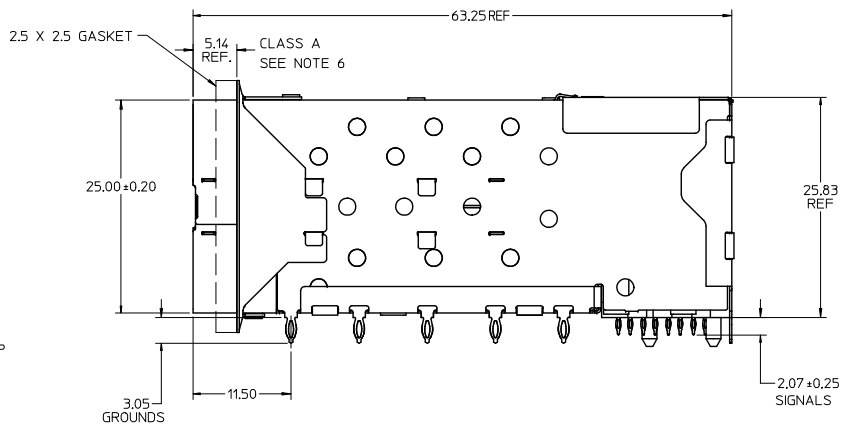
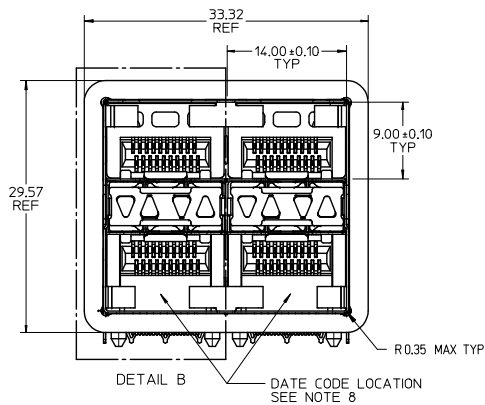
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[76091-5001](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



NOTES

1. MATERIAL:

CAGE: NICKEL SILVER, THICKNESS: 0.25mm
CONNECTOR HOUSING: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK
OVERMOLD TERMINAL HOUSING: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK
TERMINALS: TIN BRASS
EMI GASKET: CONDUCTIVE ELASTOMER
LIGHTPIPE HOUSING: ZINC
LIGHTPIPES: POLYCARBONATE, COLOR: CLEAR

2. FINISHES:

TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD OVER 1.27 MICROMETERS MINIMUM NICKEL.
COMPLIANT TAIL - MATTE TIN/LEAD OPTION: 0.76 TO 1.52 MICROMETERS 90/10 MATTE TIN-LEAD OVER 0.76 MICROMETERS MINIMUM NICKEL.
COMPLIANT TAIL - MATTE TIN OPTION: 0.76 TO 1.52 MICROMETERS MATTE TIN OVER 0.76 MICROMETERS MINIMUM NICKEL.

LIGHTPIPE HOUSING: 80 MICROMETERS MINIMUM NICKEL OVER COPPER

3. REFER TO PS-75310-001 PROTECT SPEC FOR ALL ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECIFICATIONS.

4. LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE. FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.

5. REFER TO PK-75714-001 FOR ALL PACKAGING SPECIFICATIONS.

6. ALL EXTERIOR SURFACES TO BE A 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.

7. REFER TO AS-76090-001 FOR HIGH SPEED ROUTING RECOMMENDATIONS.

8. DATE CODE LOCATION IS SHOWN ABOVE.

DATE CODE FORMAT: DDDY MX A1

DDD = DAY OF THE YEAR

Y = YEAR

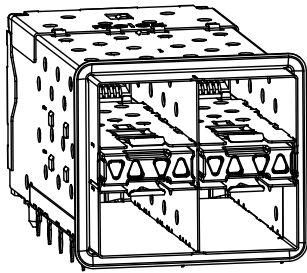
MX = MOLEX

A = ALPHA CHARACTER - INDICATES MANUFACTURING LINE

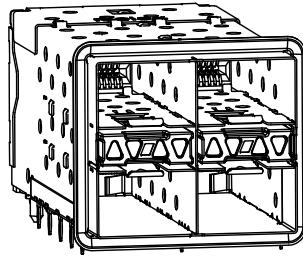
1 = NUMERIC CHARACTER - INDICATES PRODUCTION SHIFT

PART NUMBER	LIGHT PIPE CONFIGURATION SEE SHEET 2	COMPLIANT TAIL PLATING	CAGE PLATING
760910001	4 LIGHT PORTS	MATTE TIN / LEAD	N/A
760910002	INNER 2 PORTS	MATTE TIN / LEAD	N/A
760910003	OUTER 2 PORTS	MATTE TIN / LEAD	N/A
760915001	4 LIGHT PORTS	MATTE TIN	N/A
760915002	INNER 2 PORTS	MATTE TIN	N/A
760915003	OUTER 2 PORTS	MATTE TIN	N/A
760915005	4 LIGHT PORTS - SPECIAL CONFIGURATION	MATTE TIN	N/A

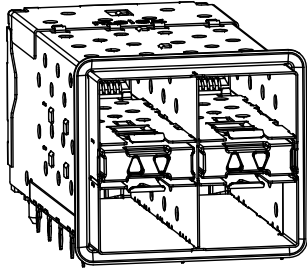
ADD -5005 EC NO: UCP2015-0336 DRAWN BY: J. BARKER CHKD: T. BARRA APPR: S. MILLER DATE: 2014/07/24 DATE: 2014/12/04 DATE: 2014/12/16	QUALITY SYMBOLS	 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					MM ONLY		3:1	METRIC		
					DATE		TITLE		STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPES	
			4 PLACES ± 0.13		J.JANTELEZ10 01-18-2007					
			3 PLACES ± 0.25		CHECKED BY DATE					
			2 PLACES ± 0.13		MSANDEBZ 01-18-2007					
			1 PLACE ± 0.25		APPROVED BY DATE					
ANGULAR ± 5 °		RNELSON 01-18-2007		MOLEX MOLEX INCORPORATED						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DOCUMENT NO.		SD-76091-001		SHEET NO.			
	SEE TABLE						1 OF 4			
	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



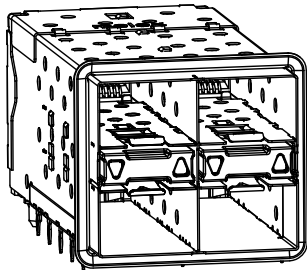
760910001 & 760915001
WITH INNER & OUTER LIGHTPIPE PORTS



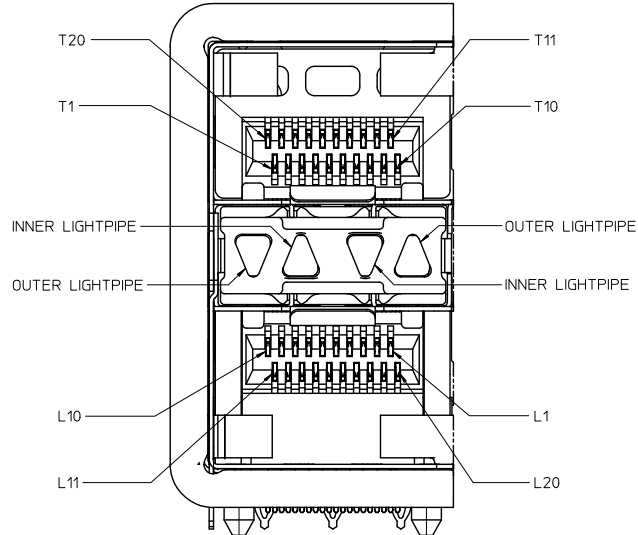
760915005
WITH INNER & OUTER LIGHTPIPE PORTS
SPECIAL CONFIGURATION



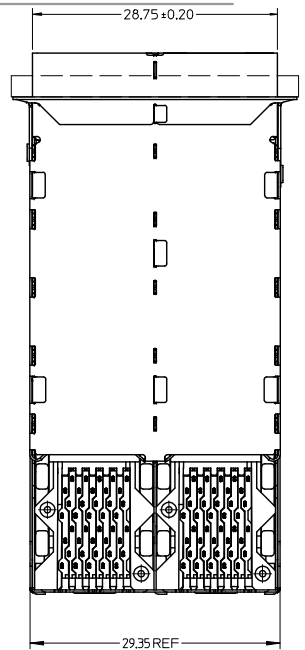
760910002 & 760915002
WITH INNER LIGHTPIPE PORTS



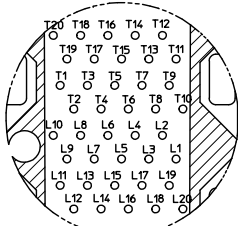
760910003 & 760915003
WITH OUTER LIGHTPIPE PORTS



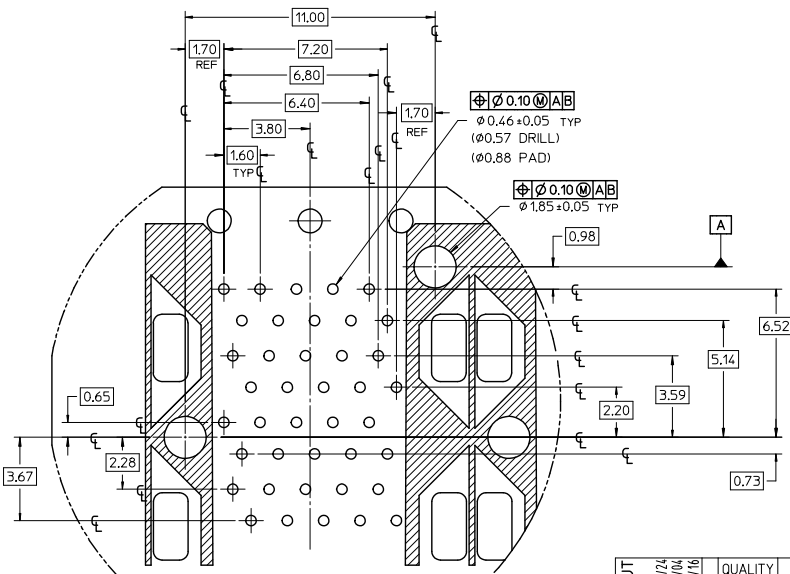
DETAIL B
SCALE 6:1
CIRCUIT NUMBERING AND
LIGHTPIPE IDENTIFICATION



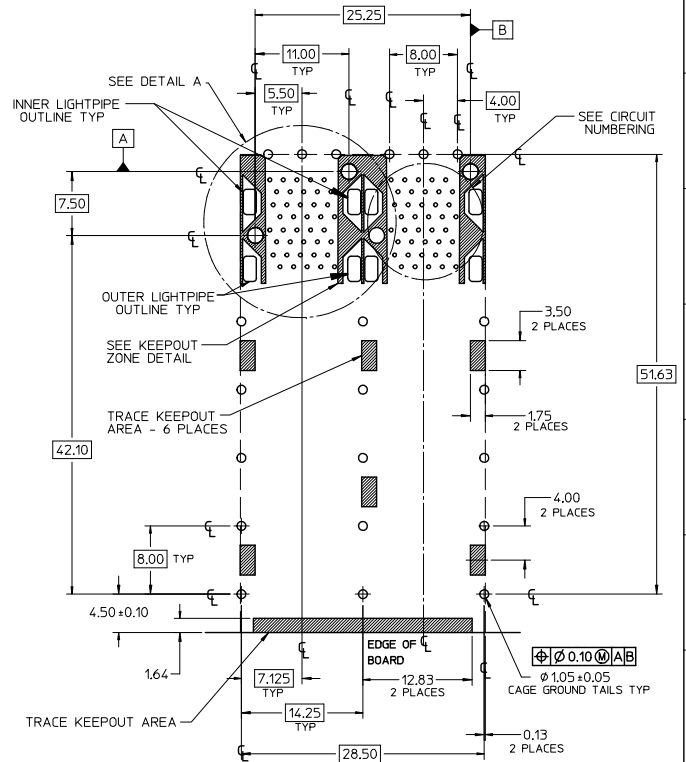
REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			mm	INCH	MM ONLY	DATE	3:1	METRIC		
ADD DETAIL B	EC NO: UCP2015-0336	4 PLACES ±	---	---	DRAWN BY	01-18-2007			STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPER	
1	DRWINBARKER 2014/07/24	3 PLACES ±	---	---	CHECKED BY	DATE				
2	CHKD: TIBARRA 2014/12/04	2 PLACES ±	0.13	---	MSANDBERG	01-18-2007				
3	APPROVAL: MILLER 2014/12/16	1 PLACE ±	0.25	---	APPROVED BY	DATE				
			ANGULAR ± 5 °		RNELSON	01-18-2007			MOLEX INCORPORATED	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					
					MATERIAL NO.				DOCUMENT NO. SD-76091-001	
					SIZE C				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



CIRCUIT NUMBERING
COMPONENT SIDE OF BOARD

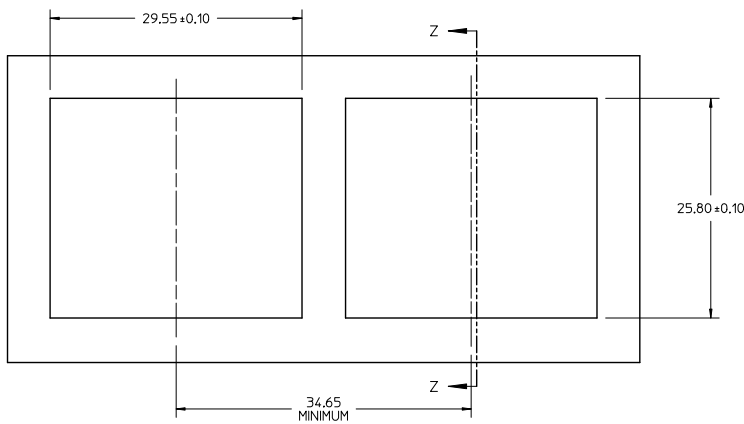


DETAIL A
SCALE 8:1

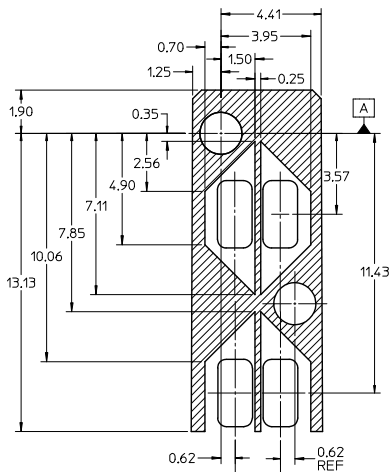
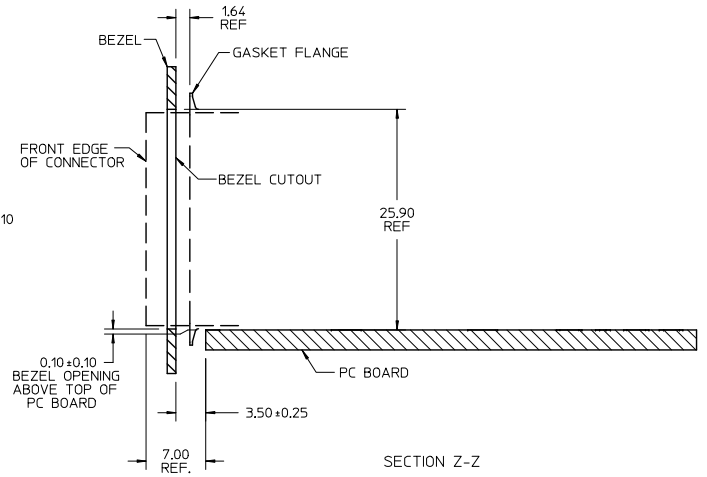


RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
(OTHER THAN THE LIGHTPIPE LED'S)
THIS AREA IS INDICATED BY THE DASHED LINE

CHG DETAIL CALLOUT	EC NO: UCP2015-0336	DRAWN BY: J. JANTALEZIO	DATE: 01-18-2007	TITLE: STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPES	SCALE: 3:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION	SHEET NO. 3 OF 4
REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	SHEET NO.
1	CHG DETAIL CALLOUT	▽=0	4 PLACES ± --- ± ---	MM ONLY	3:1	METRIC	THIRD ANGLE PROJECTION	3 OF 4
2	EC NO: UCP2015-0336	▽=0	3 PLACES ± --- ± ---					
3	DRAWN BY: J. JANTALEZIO	▽=0	2 PLACES ± 0.13 ± ---					
4	DATE: 2014/07/24		1 PLACE ± 0.25 ± ---					
5	CHECKED BY: MSANDBERG		ANGULAR ± 5 °					
6	DATE: 2014/12/16							
7	APPROVED BY: RNELSON							
8	DATE: 01-18-2007							
9								
10								
11								
12								



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



KEEP-OUT ZONE DETAIL - LIGHTPIPE LOCATION AND OTHER ZONES
SCALE 8:1

THE HATCHED AREA IN THIS VIEW INDICATES ZONES THAT ARE OCCUPIED BY THE PLASTIC HOUSING THAT SEATS AGAINST THE PCB AND BY THE VERTICAL METAL CAGE WALL THAT STOPS JUST SHORT OF THE PCB

ADD SECOND BEZEL CUTOUT EC NO: UCP2015-0336 DRWNBARKER 2014/07/24 CHKD: IBARRA 2014/12/04 APPR: SMILLER 2014/12/16	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
	DESCRIPTION	 =0	mm	INCH	DRAWN BY	DATE	TITLE STACKED SFP+ 2X2 ASSY WITH ELASTOMERIC GASKET AND LIGHTPIPER			
		 =0	4 PLACES ± ---	± ---	J1ANTELEZ10	01-18-2007				
		 =0	3 PLACES ± ---	± ---	CHECKED BY	DATE				
		 =0	2 PLACES ± ---	± ---	MSANDBERG	01-18-2007				
		 =0	1 PLACE ± 0.13	± 0.005	APPROVED BY	DATE				
			ANGULAR ± 5 °	± 0.010	RNELSON	01-18-2007	 MOLEX INCORPORATED			
	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 4 OF 4	
					SEE TABLE		SD-76091-001			
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						