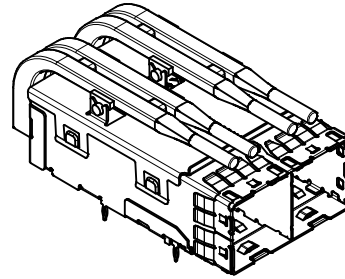
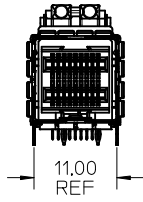
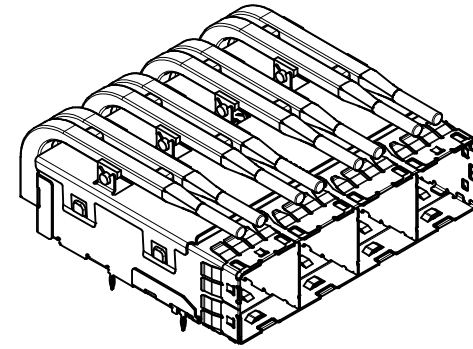
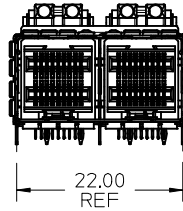


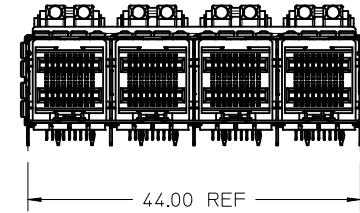
1x1



1x2



1x4



NOTES:

1. MATERIALS:

- CONNECTOR HOUSING: HIGH TEMPERATURE THERMOPLASTIC
- GLASS FILLED, UL 94V-0
- EMI CAGE: NICKEL SILVER ALLOY
- EMI CAGE BASE: STAINLESS STEEL
- EMI FINGERS: COPPER ALLOY
- TERMINALS: COPPER ALLOY
- LIGHT PIPES: HALOGEN FREE, CLEAR POLYCARBONATE

2. FINISHES:

- EMI FINGERS: 0.50µM MIN NICKEL
- CONTACT AREA: 0.76µM MIN GOLD OVER 3.81µM MIN NICKEL
- TAIL AREA: 0.76µM-1.52µM TIN OVER 1.27µM MIN NICKEL

3. PRODUCT SPECIFICATION: PS-76866-001

4. PACKAGING SPECIFICATION: PK-76866-001 & PK-76866-002

5. MATES WITH: MOLEX CABLE SERIES 111068, 111073, 111075, 111077

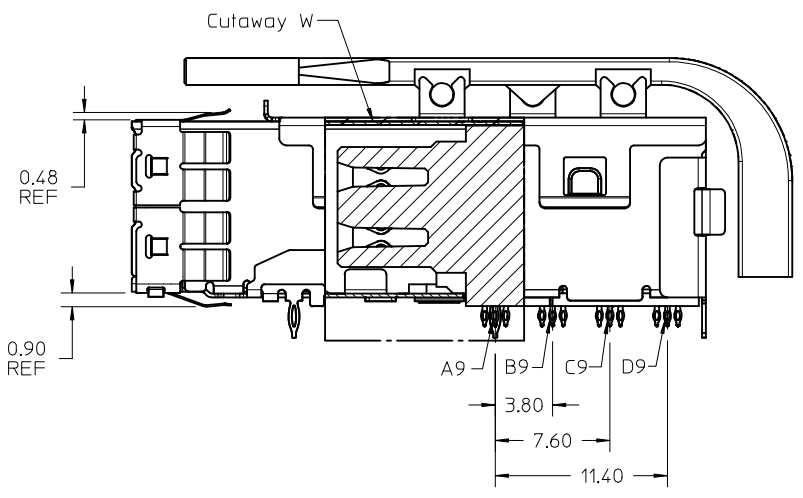
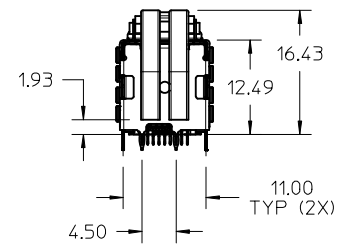
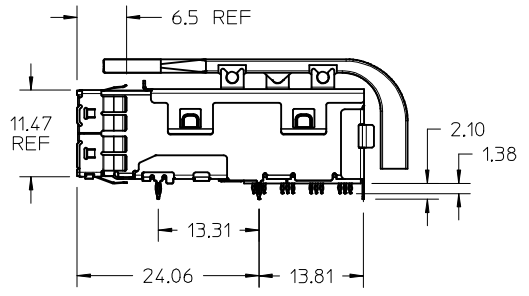
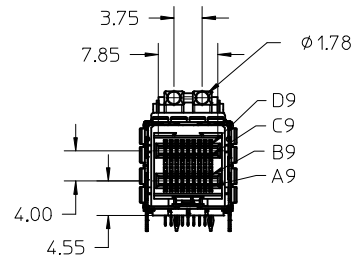
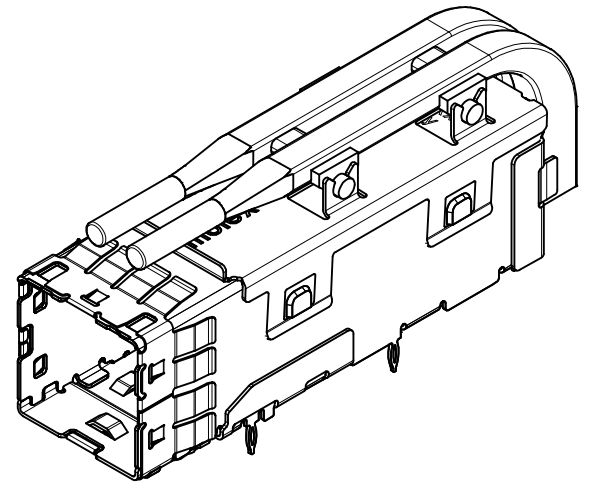
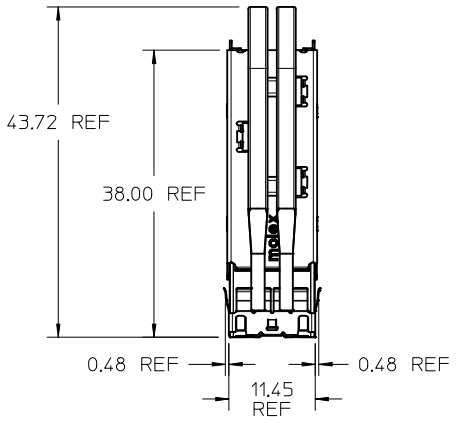
6. RECOMMENDED MOUNTING HARDWARE: REFER TO APPLICATION SPECIFICATION AS-76866-001

7. THIS PART CONFORMS TO CLASS C REQUIREMENTS OF MOLEX COSMETIC SPECIFICATION PS-45499-002

8. PLUG MODULE PCB LAYOUT REFER TO SD-76866-9900

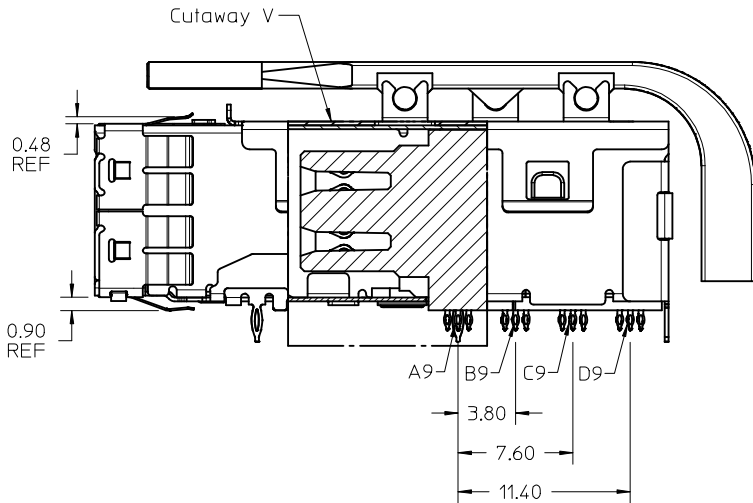
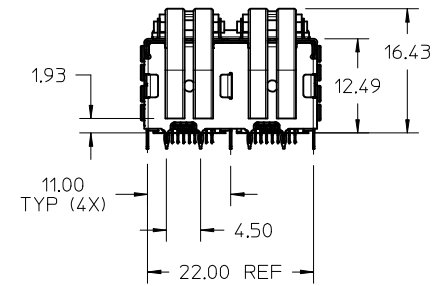
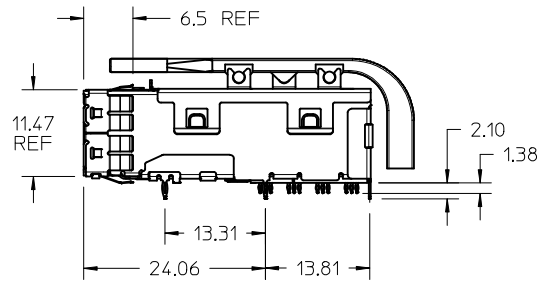
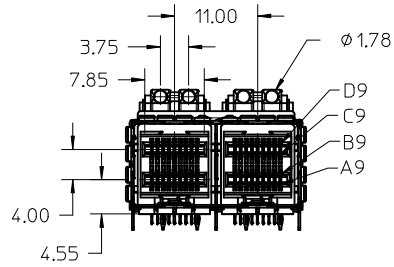
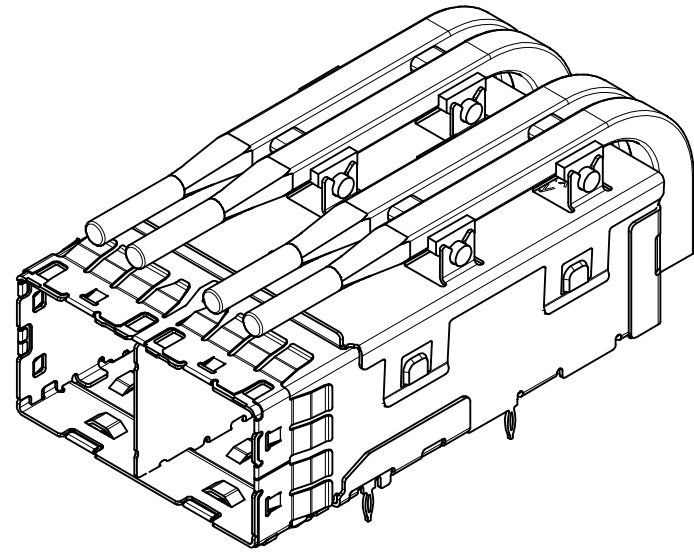
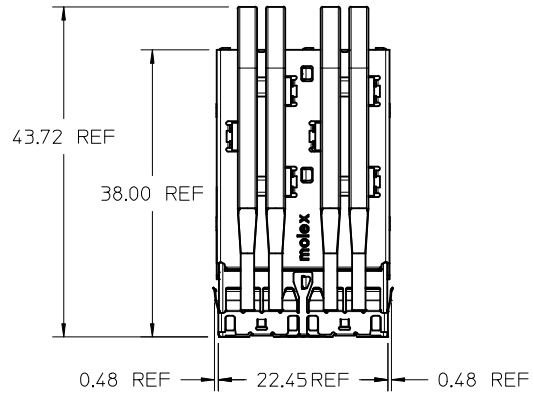
CONFIGURATION	MATERIAL NO.
1 x 1	76866-1121
1 x 4	76866-1123
1 x 2	76866-1125

ADDED PF NUT CAGE EC NO: UCP2016-0275 DRWIN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY	DATE	<b>IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES</b>  <b>molex</b>  DOCUMENT NO. <b>SD-76866-1001</b> SHEET NO. <b>1 OF 12</b>		
	▽=0	4 PLACES ± --- ± ---	KLANG	2011/12/08				
	▽=0	3 PLACES ± --- ± ---	CHECKED BY	DATE				
	▽=0	2 PLACES ± 0.13 ± ---	MBANAKIS	2011/12/08				
▽=0	1 PLACE ± 0.25 ± ---	APPROVED BY	DATE					
REV	DESCRIPTION	0 PLACE ± ±	TMCCLELL	2012/09/26				
		ANGULAR ±1/2°		MATERIAL NO. <b>SEE CHART</b>				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE <b>C</b>		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



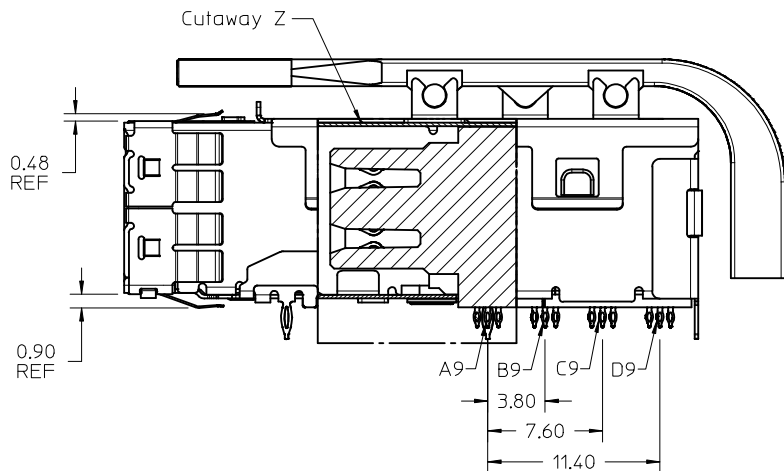
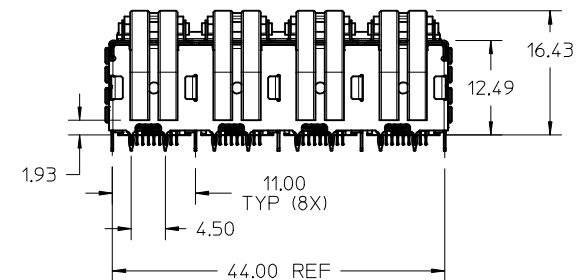
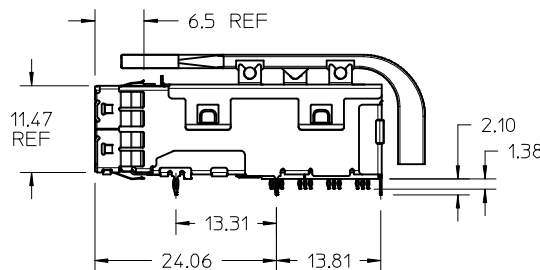
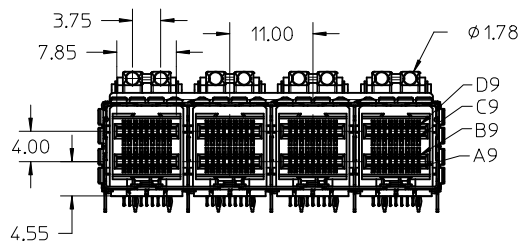
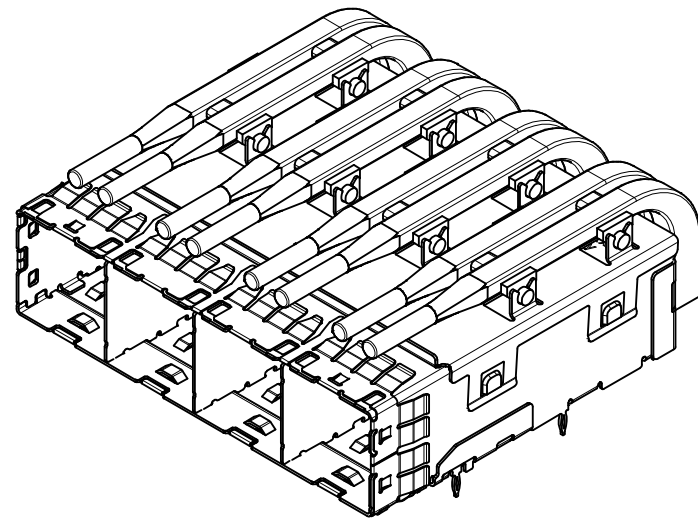
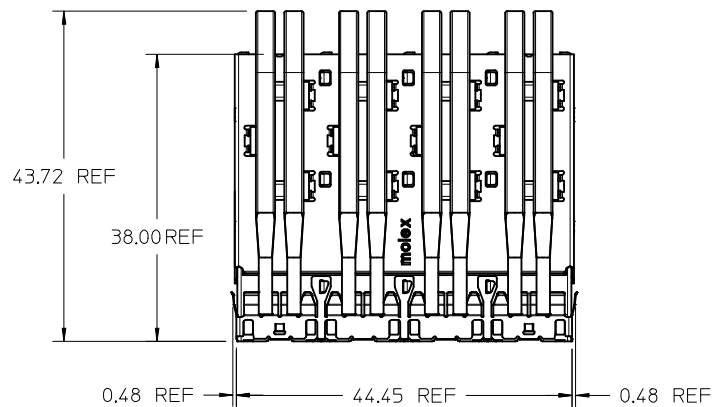
# 1X1 ASSEMBLY

SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY KLANG	DATE 2011/12/08	TITLE IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES	molex	SHEET NO. 2 OF 12
4 PLACES ±	±	CHECKED BY MBANAKIS	DATE 2011/12/08	APPROVED BY DATE 2012/09/26		DOCUMENT NO. SD-76866-1001		
3 PLACES ±	±	MATERIAL NO. SEE CHART		ANGULAR ±1/2°				
2 PLACES ±0.13	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE				
1 PLACE ±0.25	±							
0 PLACE ±	±							



# 1X2 ASSEMBLY

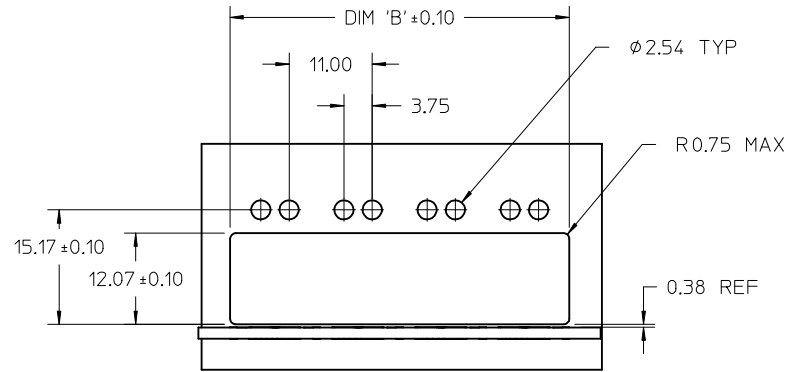
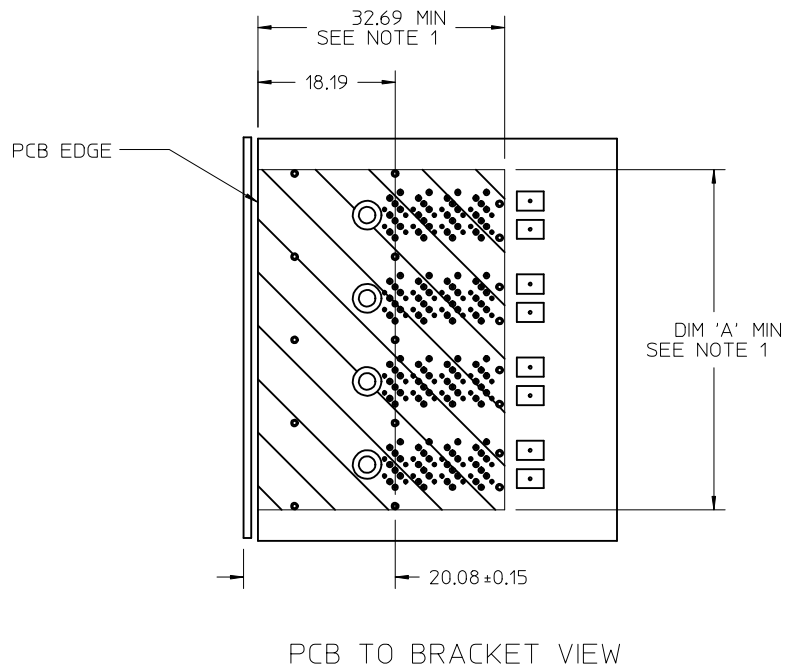
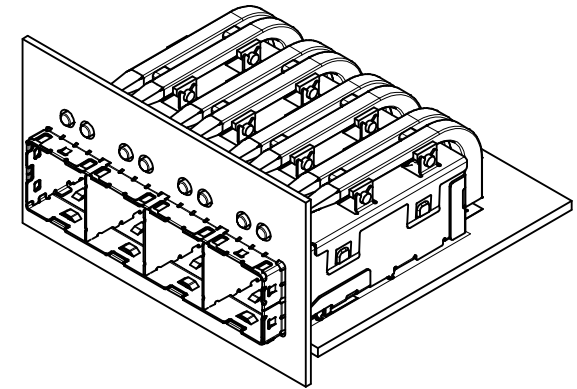
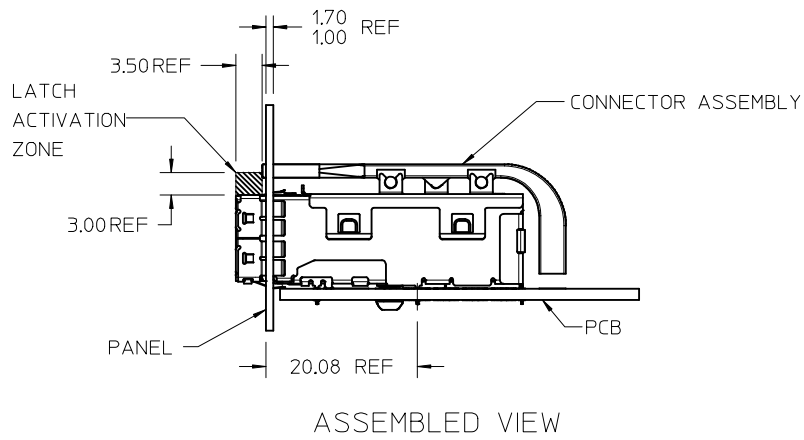
SEE SHEET 1 EC NO: UCP2016-0275 DRAWN: TMCCLELL 2016/01/07 CHKD: TMCCLELL AND 2016/07/06 APPR: SMILLER 2016/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	0 PLACE ± ±	ANGULAR ±1/2°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
				DRAWN BY KLANG	DATE 2011/12/08	TITLE IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES		
				CHECKED BY MBANAKIS	DATE 2011/12/08	DOCUMENT NO. SD-76866-1001		
				APPROVED BY TMCCLELL	DATE 2012/09/26	SHEET NO. 3 OF 12		



# 1X4 ASSEMBLY

SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		DRAWN BY DATE KLANG 2011/12/08		CHECKED BY DATE MBANAKIS 2011/12/08		TITLE IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES		
DESCRIPTION		APPROVED BY DATE TMCCLELL 2012/09/26		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
REV		ANGULAR ±1/2°		SEE CHART		SD-76866-1001		4 OF 12
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						

# PANEL APPLICATION

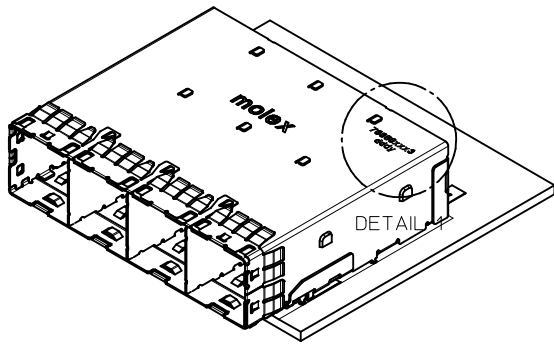


CONFIGURATION	DIM 'A' (MIN)	DIM 'B' (±0.10)
1 X 1	12.00	11.90
1 X 2	23.00	22.90
1 X 4	45.00	44.90

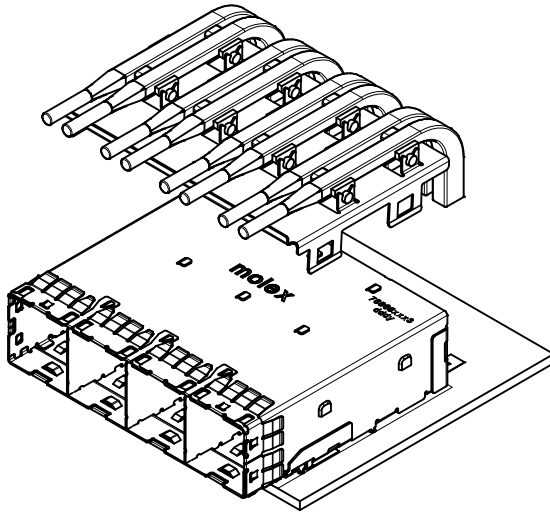
NOTES:  
1. CONNECTOR KEEP OUT ZONE: PCB COMPONENTS ARE NOT ALLOWED IN THIS AREA.

SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	DIMENSION STYLE MM ONLY DRAWN BY DATE KLANG 2011/12/08 CHECKED BY DATE MBANAKIS 2011/12/08 APPROVED BY DATE TMCCLELL 2012/09/26	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES <b>molex</b>	MATERIAL NO. SEE CHART DOCUMENT NO. SD-76866-1001	SHEET NO. 5 OF 12
	ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

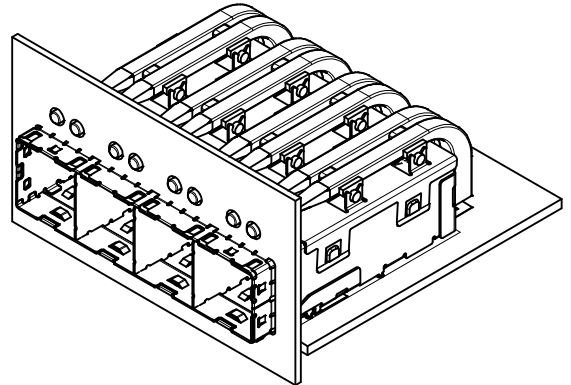
# APPLICATION VIEWS



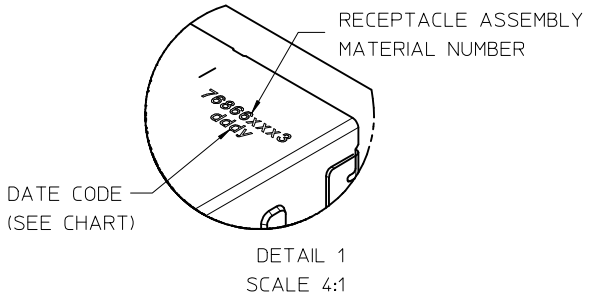
SEATED RECEPTACLE ASSEMBLY ON PCB



LIGHT PIPE INSTALLATION TO RECEPTACLE ASSEMBLY



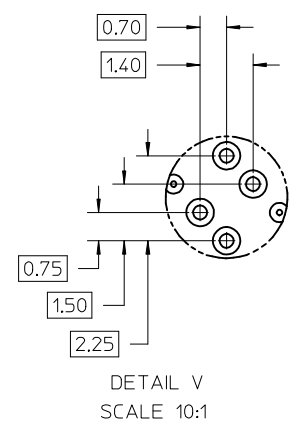
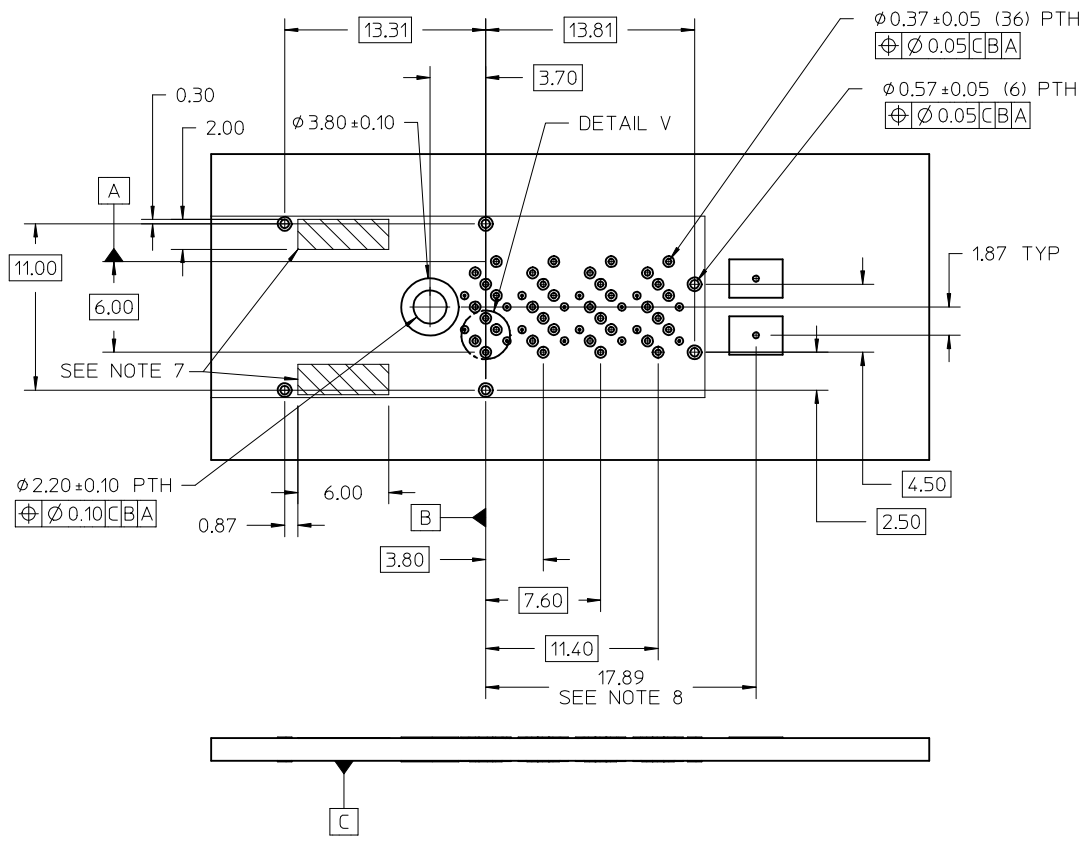
INSTALLED APPLICATION



MEXICO	DDDY
CHINA	MSHDDDY
MANUFACTURING LOCATION	DATE CODE

SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	2:1	METRIC	☑
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE	IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES	
	▽=0	3 PLACES ± --- ± ---	KLANG 2011/12/08			
	▽=0	2 PLACES ± 0.13 ± ---	CHECKED BY DATE			
		1 PLACE ± 0.25 ± ---	MBANAK I S 2011/12/08			
		0 PLACE ± ±	APPROVED BY DATE			
		ANGULAR ±1/2°	TMCCLELL 2012/09/26			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	DOCUMENT NO.		SHEET NO.
			SEE CHART	SD-76866-1001		6 OF 12
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

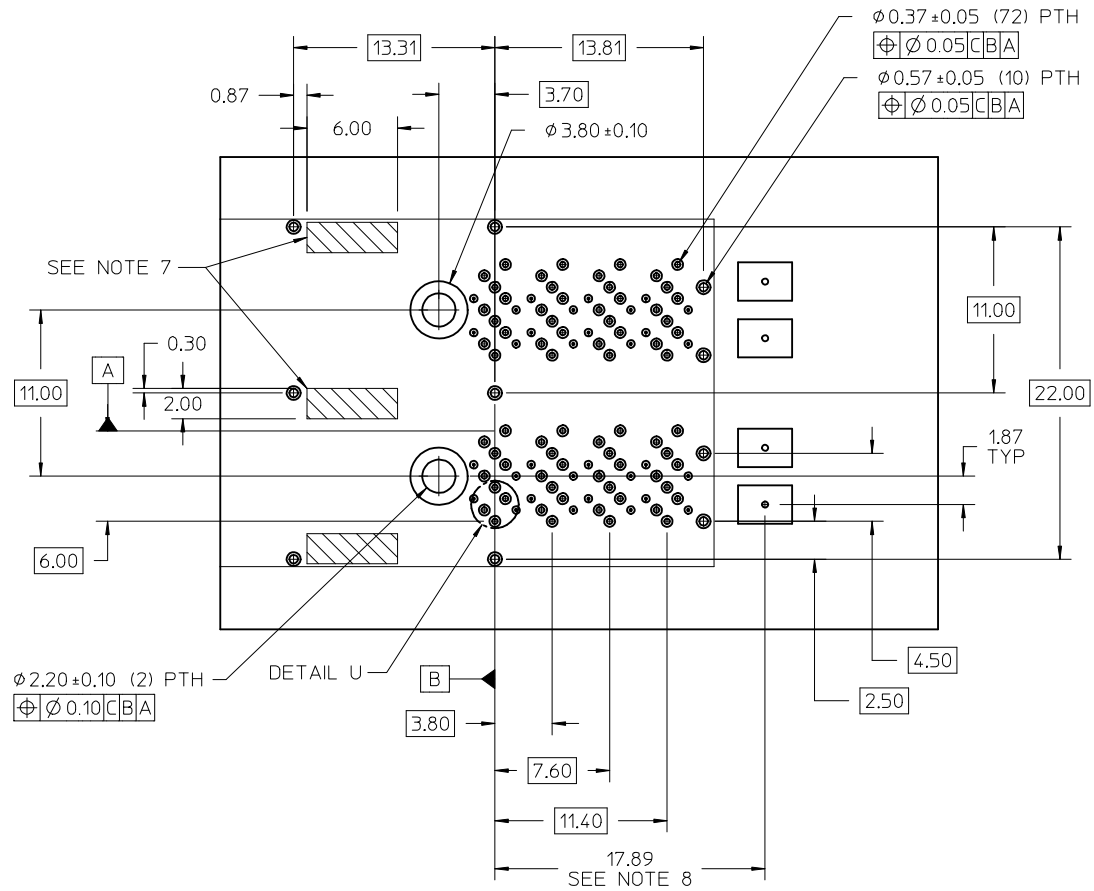
# 1X1 RECOMMENDED FOOTPRINT



- NOTES:
- FOR RECOMMENDED DRILL SIZE FOR 0.37 $\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  - RECOMMENDED ANNULAR RING AROUND 0.37 $\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  - MINIMUM RECOMMENDED SPACING: 14.00MM
  - MINIMUM PCB THICKNESS: 1.57MM
  - RECOMMENDED DRILL SIZE FOR 0.57 $\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  - RECOMMENDED ANNULAR RING AROUND 0.57 $\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  - CAGE KEEP OUT ZONE: TRACES AND VIAS ARE NOT ALLOWED ON SURFACE OF PCB IN THESE AREAS.
  - LOCATION OF LED CENTERLINE

SEE SHEET 1 EC NO: UCP2016-0275 DRAWN: TMCCLELL 2016/01/07 CHKD: TMCCLELL AND 2016/07/06 APPR: SMILLER 2016/07/06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY KLANG	DATE 2011/12/08	TITLE IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES	DOCUMENT NO. <b>SD-76866-1001</b>
REV	DESCRIPTION	4 PLACES	± ---	± ---	CHECKED BY MBANAK IS	DATE 2011/12/08	
		3 PLACES	± ---	± ---	APPROVED BY TMCCLELL	DATE 2012/09/26	
		2 PLACES	± 0.13	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
		1 PLACE	± 0.25	± ---			
		0 PLACE	±	±			
		ANGULAR ±1/2°		SEE CHART			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

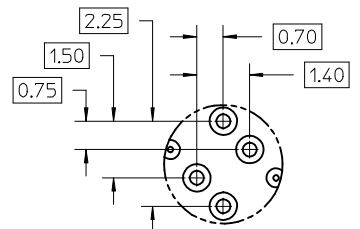
# 1X2 RECOMMENDED FOOTPRINT



SEE NOTE 7

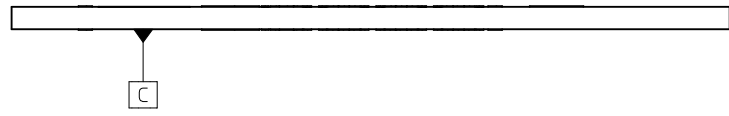
DETAIL U

$\phi 2.20 \pm 0.10$  (2) PTH  
 $\phi 0.10$  CBA



DETAIL U  
SCALE 10:1

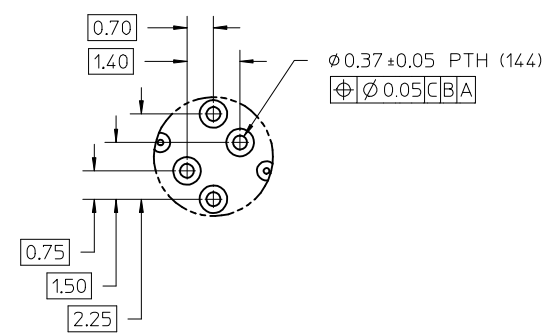
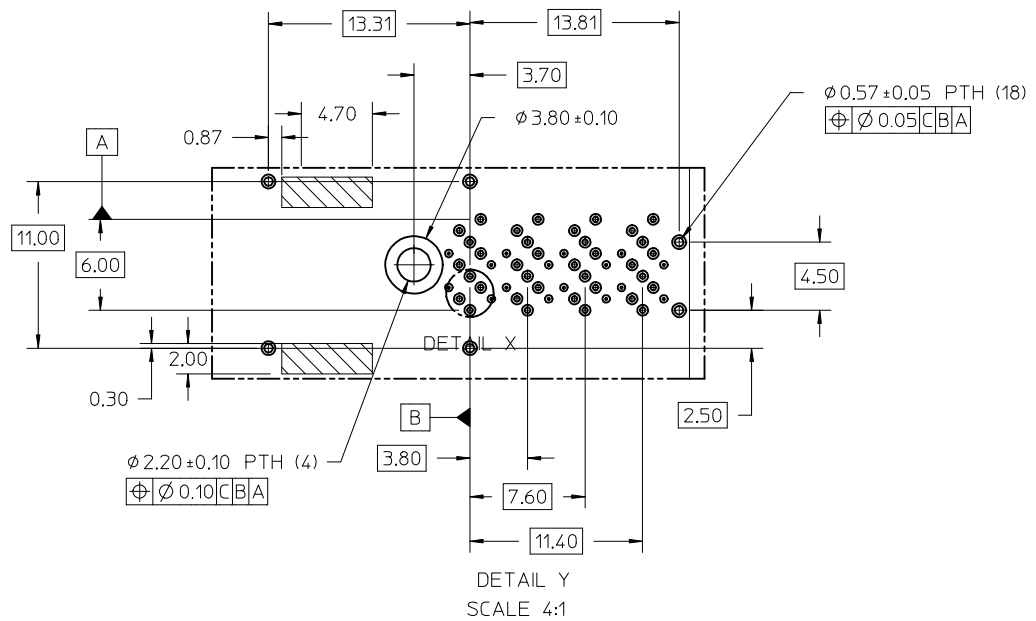
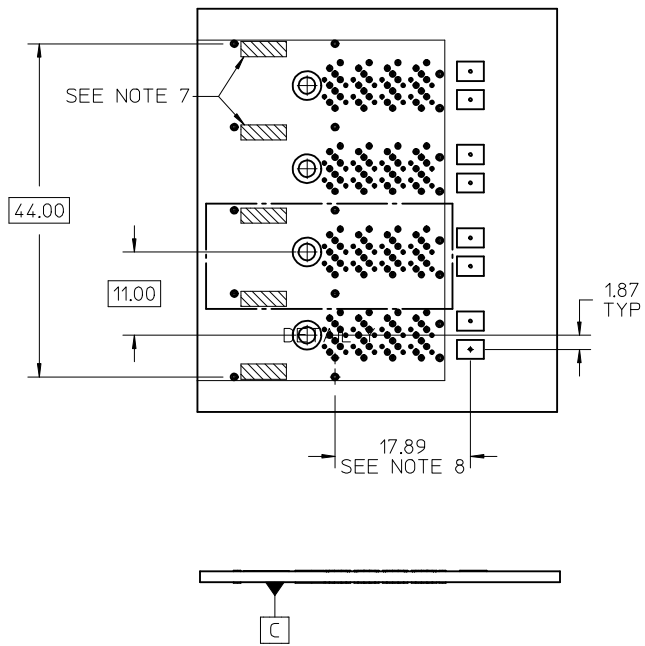
- NOTES:
1. RECOMMENDED DRILL SIZE FOR  $0.37\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  2. RECOMMENDED ANNULAR RING AROUND  $0.37\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  3. MINIMUM RECOMMENDED SPACING: 25.00MM
  4. MINIMUM PCB THICKNESS: 1.57MM
  5. RECOMMENDED DRILL SIZE FOR  $0.57\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  6. RECOMMENDED ANNULAR RING AROUND  $0.57\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
  7. CAGE KEEP OUT ZONE: TRACES AND VIAS ARE NOT ALLOWED ON SURFACE OF PCB IN THESE AREAS.
  8. LOCATION OF LED CENTERLINE



SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
	▽=0	mm INCH	DRAWN BY DATE KLANG 2011/12/08	TITLE <b>IPASS PLUS HD - 12G EXTERNAL ASSEMBLY WITH LIGHT PIPES</b>	<b>molex</b> DOCUMENT NO. <b>SD-76866-1001</b>	SHEET NO. 8 OF 12
	▽=0	4 PLACES ± --- ± ---	CHECKED BY DATE MBANAKIS 2011/12/08			
	▽=0	3 PLACES ± --- ± ---	APPROVED BY DATE TMCCLELL 2012/09/26			
	2 PLACES ± 0.13 ± ---	MATERIAL NO. <b>SEE CHART</b>				
	1 PLACE ± 0.25 ± ---	ANGULAR ±1/2°	SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	0 PLACE ± ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				



# 1X4 RECOMMENDED FOOTPRINT




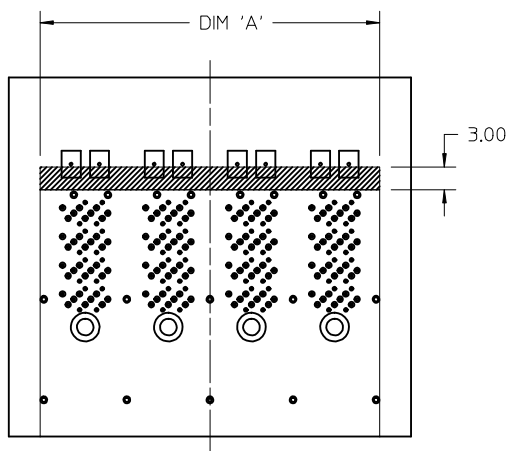
## NOTES:


1. RECOMMENDED DRILL SIZE FOR  $0.37\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
2. RECOMMENDED ANNULAR RING AROUND  $0.37\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
3. MINIMUM RECOMMENDED SPACING: 47.00MM
4. MINIMUM PCB THICKNESS: 1.57MM
5. RECOMMENDED DRILL SIZE FOR  $0.57\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
6. RECOMMENDED ANNULAR RING AROUND  $0.57\phi$  FINISHED PTH - REFER TO APPLICATION SPECIFICATION
7. CAGE KEEP OUT ZONE: TRACES AND VIAS ARE NOT ALLOWED ON SURFACE OF PCB IN THESE AREAS.
8. LOCATION OF LED CENTERLINE

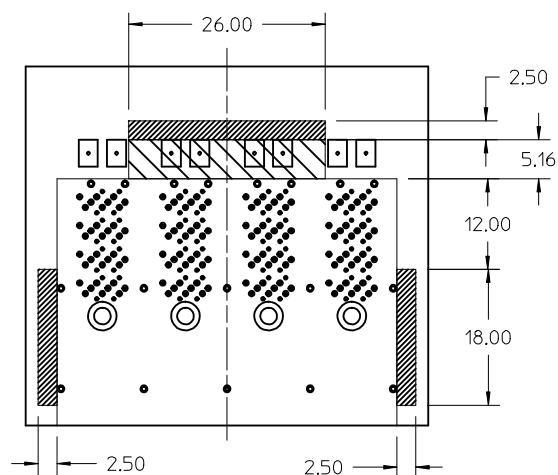
SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:MCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																															
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# RECOMMENDED TOOLING KEEP OUT AREAS






 RECOMMENDED INSERTION TOOL  
 KEEP OUT AREA  
 NO COMPONENTS IN THIS AREA  
 MORE THAN 7.50 mm TALL



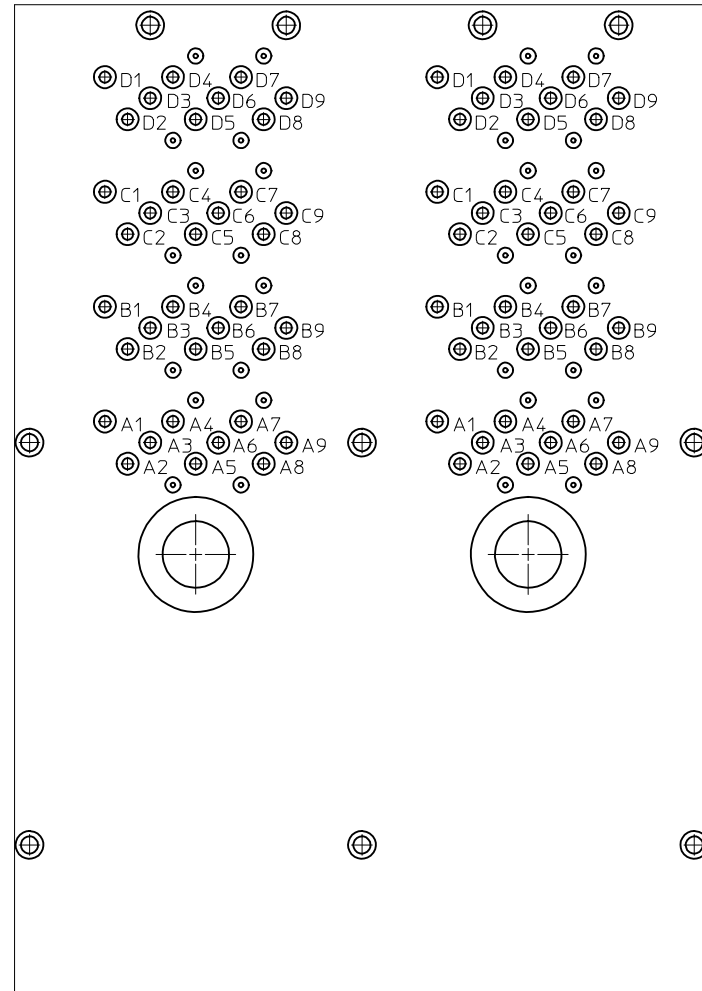
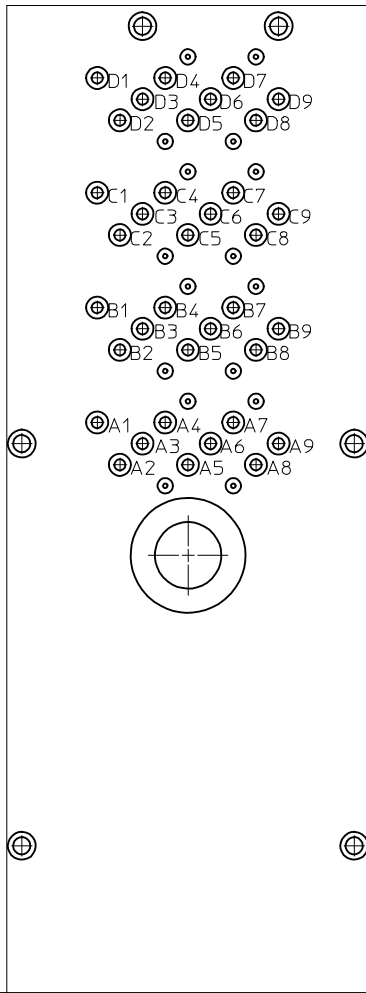
 RECOMMENDED EXTRACTION TOOL  
 KEEP OUT AREA  
 NO COMPONENTS IN THESE AREAS  
 NO COMPONENTS IN THIS AREA  
 MORE THAN 5.00 mm TALL



CONFIGURATION	DIM 'A' (MIN)
1 X 1	12.00
1 X 2	23.00
1 X 4	45.00

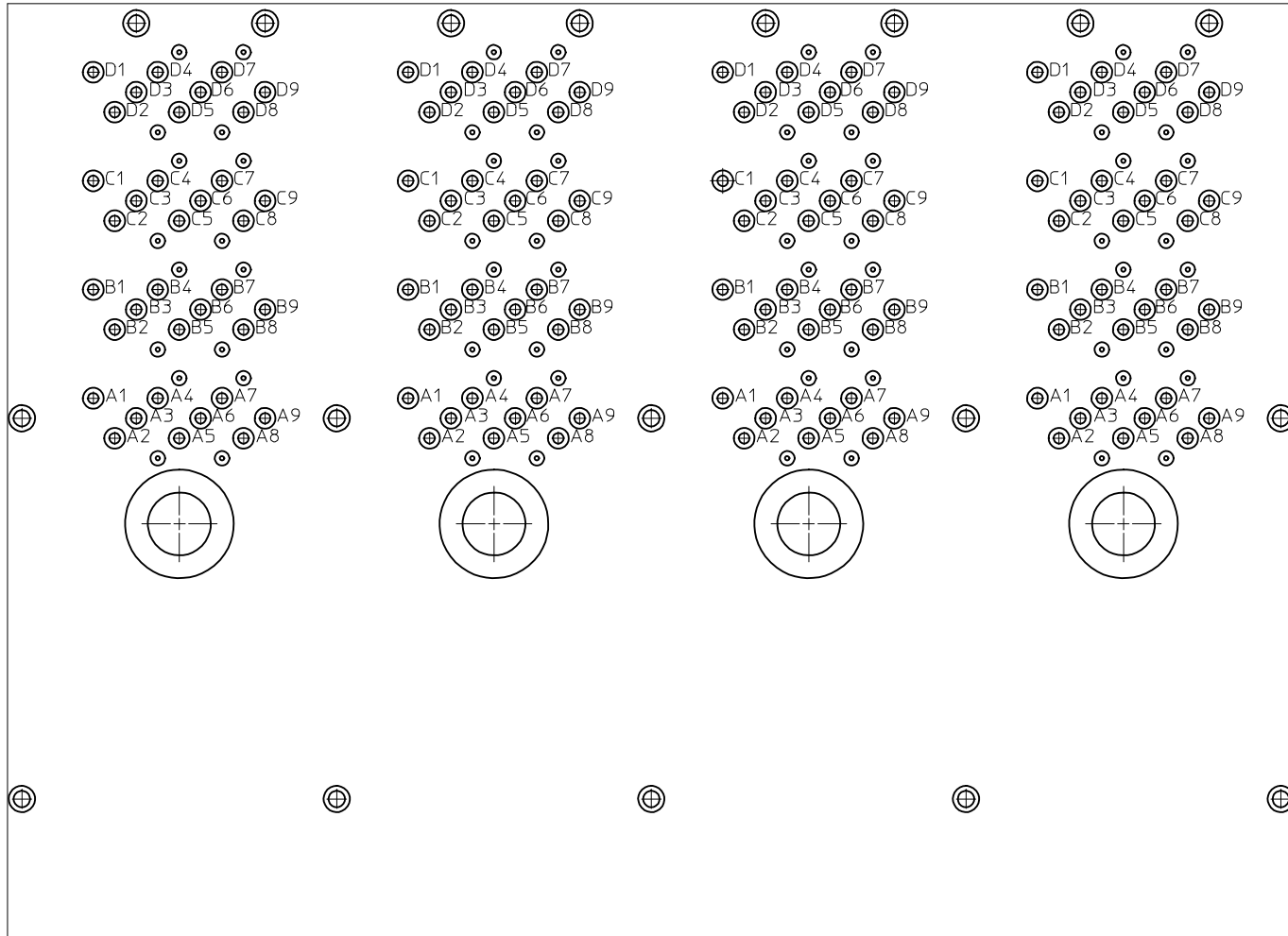
<b>SEE SHEET 1</b> EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS  = 0  = 0  = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± 0.13</td> <td>± 0.005</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.38</td> <td>± 0.015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.51</td> <td>± 0.020</td> </tr> <tr> <td>0 PLACE</td> <td>± 0.64</td> <td>± 0.025</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± 0.13	± 0.005	3 PLACES	± 0.25	± 0.010	2 PLACES	± 0.38	± 0.015	1 PLACE	± 0.51	± 0.020	0 PLACE	± 0.64	± 0.025	DIMENSION STYLE <b>MM ONLY</b> DRAWN BY DATE KLANG 2011/12/08 CHECKED BY DATE MBANAKIS 2011/12/08 APPROVED BY DATE TMCCLELL 2012/09/26	SCALE <b>2:1</b> DESIGN UNITS <b>METRIC</b>  THIRD ANGLE PROJECTION	TITLE <b>IPASS PLUS HD - 12G          EXTERNAL ASSEMBLY          WITH LIGHT PIPES</b> 	MATERIAL NO. <b>SEE CHART</b> DOCUMENT NO. <b>SD-76866-1001</b>	SHEET NO. <b>10 OF 12</b>
		mm	INCH																						
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE <b>C</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						

# 1X1 & 1X2 FOOTPRINT CIRCUIT IDENTIFICATION



SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>8:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
	▽=0	mm INCH	DRAWN BY DATE	TITLE	<b>IPASS PLUS HD - 12G                  EXTERNAL ASSEMBLY                  WITH LIGHT PIPES</b>  <b>molex</b>	SHEET NO. 11 OF 12
	▽=0	4 PLACES ± --- ± ---	KLANG 2011/12/08	CHECKED BY DATE		
	▽=0	3 PLACES ± --- ± ---	MBANAKIS 2011/12/08	APPROVED BY DATE		
▽=0	2 PLACES ± 0.13 ± ---	TMCCLELL 2012/09/26				
		1 PLACE ± 0.25 ± ---	MATERIAL NO.	DOCUMENT NO.		
		0 PLACE ± ±	<b>SEE CHART</b>		<b>SD-76866-1001</b>	
		ANGULAR ±1/2°	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

# 1X4 FOOTPRINT CIRCUIT IDENTIFICATION



SEE SHEET 1 EC NO: UCP2016-0275 DRWN:TMCCLELL 2016/01/07 CHKD:TMCCLELLAND 2016/07/06 APPR:SMILLER 2016/07/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																														
	▽=0			MM ONLY	8:1	METRIC																															
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