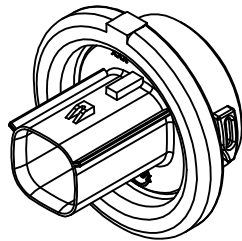
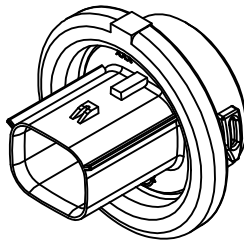


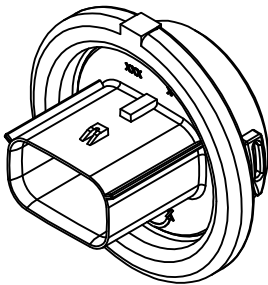
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	BOM
3	6/8 CKT KEY OPTION CONFIGURATIONS
4	12/16 CKT KEY OPTION CONFIGURATIONS
5	BULKHEAD CONNECTOR
6	6/8 CKT BULKHEAD CONNECTOR INTERFACE
7	6/8 CKT BULKHEAD CONNECTOR INTERFACE
8	12/16 CKT BULKHEAD CONNECTOR INTERFACE
9	12/16 CKT BULKHEAD CONNECTOR INTERFACE



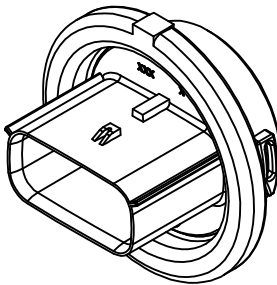
6 CIRCUIT



8 CIRCUIT



12 CIRCUIT



16 CIRCUIT

NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - APPLICATION SPECIFICATION SEE: AS-34840-001
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY AS SPECIFIED IN DRAWING XXXX
 - FOR 1.5mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33000-001.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF TBD TO TBD.
 - ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE SECTION A-A PRE-LOCK).
 - IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT www.molex.com <<http://www.molex.com>>.
 - PRODUCT SPECIFICATION SEE: PS-34840-001
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
 - PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31301-615
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- DESIGN - MATERIALS:
 - SEE BOM TABLE
- DESIGN - GEOMETRY:
 - THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B) CAD MODEL.
 - LASER MARKING: TBD

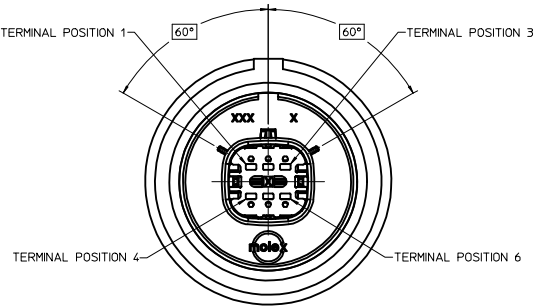
B3	UPDATED PART STATUS
B2	ADDED BASIC DIMENSION ON 6/8 CKT ICD
B1	UPDATED 12/16 CKT PART STATUS
B	ADDED NOTE 4
A	OK TO TOOL 6 & 8 CKT
4	ADDED 6/8 CKT PER CP1E UPDATES
3	UPDATED FORMAT
2	DESIGN RELEASE
1	QUOTE ONLY
REV	DESCRIPTION

INSPECTION BALLOON NUMBER LOG										A	OK TO TOOL 6 & 8 CKT							
PER DRAWING REVISION: B3										4	ADDED 6/8 CKT PER CP1ME UPDATES							
LAST BALLOON NUMBER USED: 30										3	UPDATED FORMAT							
ADDED BALLOON NUMBERS:										2	DESIGN RELEASE							
REMOVED BALLOON NUMBERS: NONE										1	QUOTE ONLY							
										REV	DESCRIPTION							
SEE REV. COLUMN REF. NO. 1012073-0858 B3 CHKD: CJK APPR: WOSBY 2012/12/10 2012/12/14 DESCRIPTION REV										QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
											mm	INCH	MM ONLY	2:1	METRIC	 MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY  MOLEX INCORPORATED SD-34840-001	TITLE	SHEET NO. 1 OF 9
										4 PLACES $\pm$ ----	+----	DRAWN BY	DATE					
										3 PLACES $\pm$ ----	+----	MDICK	2011/11/22					
										2 PLACES $\pm$ 0.10	+----	CHECKED BY	DATE					
1 PLACE $\pm$ 0.20	+----	MYANSLAMBROU	2011/11/22															
	ANGULAR $\pm$ 3 °			APPROVED BY	DATE													
				MATERIAL NO.		DOCUMENT NO.												
				SEE TABLE														
				SIZE D														
	</																	

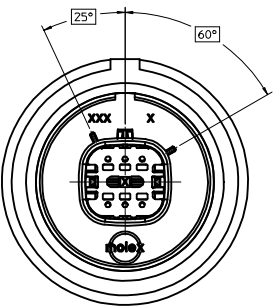
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

6 CIRCUIT CONFIGURATIONS

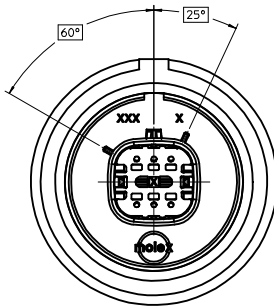
6/8 CKT KEY OPTION CONFIGURATIONS



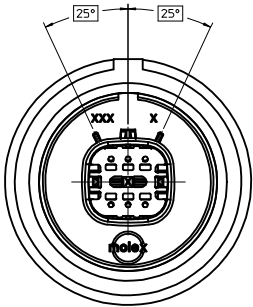
KEY OPTION A



KEY OPTION B

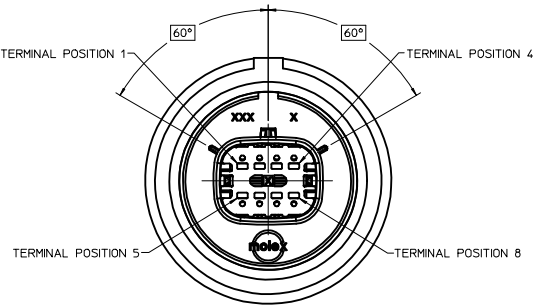


KEY OPTION C

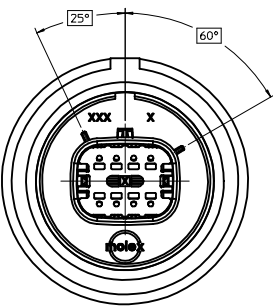


KEY OPTION D

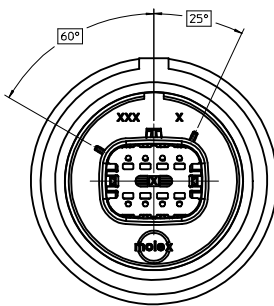
8 CIRCUIT CONFIGURATIONS



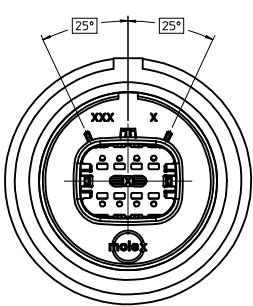
KEY OPTION A



KEY OPTION B



KEY OPTION C



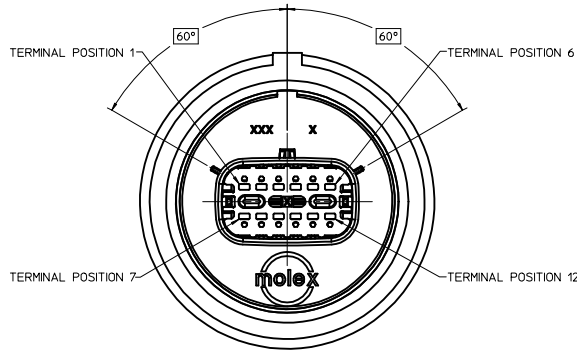
KEY OPTION D

SEE REV. COLUMN EC NO: UAU2013-0858 DRAWN: MDICK CHKD: B3 APPR: WOSHY 2012/12/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION														
		<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>±.005</td><td>±.0005</td></tr><tr><td>3 PLACES</td><td>±.010</td><td>±.0010</td></tr><tr><td>2 PLACES</td><td>±.020</td><td>±.0020</td></tr><tr><td>1 PLACE</td><td>±.050</td><td>±.0050</td></tr></table>			mm	INCH	4 PLACES		±.005	±.0005	3 PLACES	±.010	±.0010	2 PLACES	±.020	±.0020	1 PLACE	±.050	±.0050	DRAWN BY MDICK	DATE 2011/11/22	TITLE MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY MOLEX INCORPORATED
			mm	INCH																		
		4 PLACES	±.005	±.0005																		
		3 PLACES	±.010	±.0010																		
		2 PLACES	±.020	±.0020																		
1 PLACE	±.050	±.0050																				
		CHECKED BY MVANSLAMBROU	DATE 2011/11/22																			
		APPROVED BY	DATE																			
		MATERIAL NO. SEE TABLE																				
		DOCUMENT NO. SD-34840-001																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 3 OF 9																		

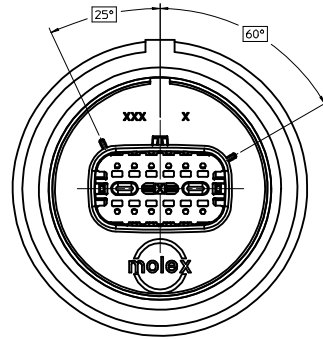
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

12 CIRCUIT CONFIGURATIONS

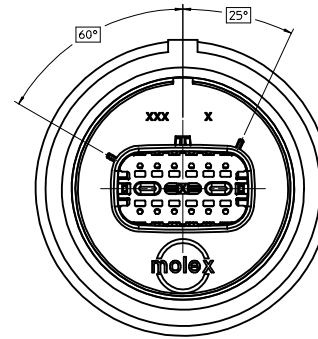
12/16 CKT KEY OPTION CONFIGURATIONS



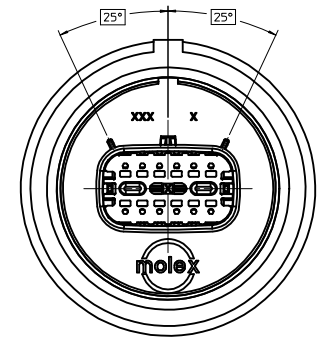
KEY OPTION A



KEY OPTION B

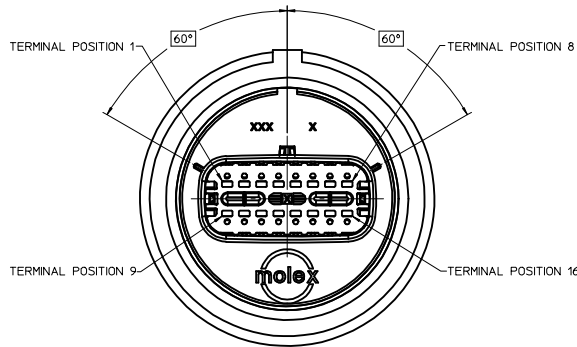


KEY OPTION C

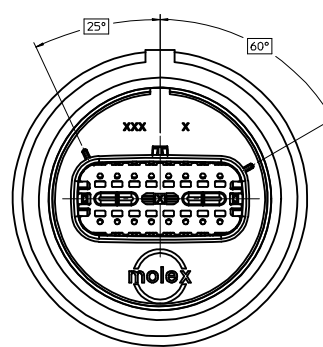


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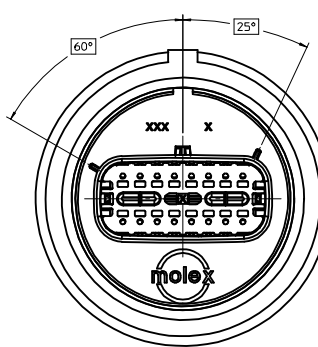
16 CIRCUIT CONFIGURATIONS



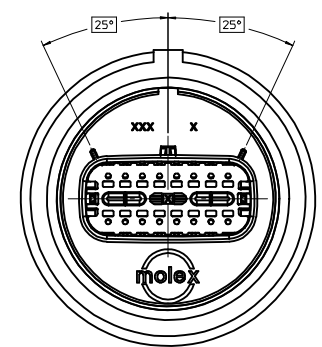
KEY OPTION A



KEY OPTION B



KEY OPTION C

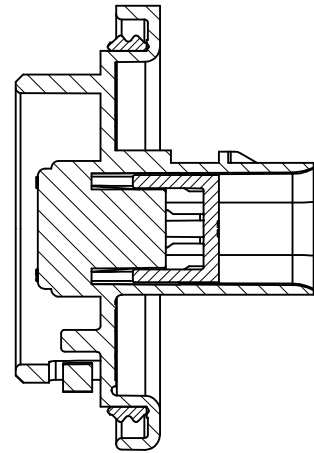
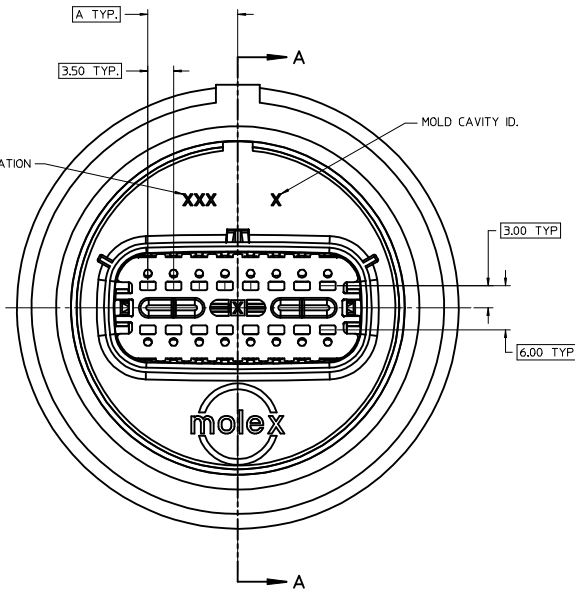
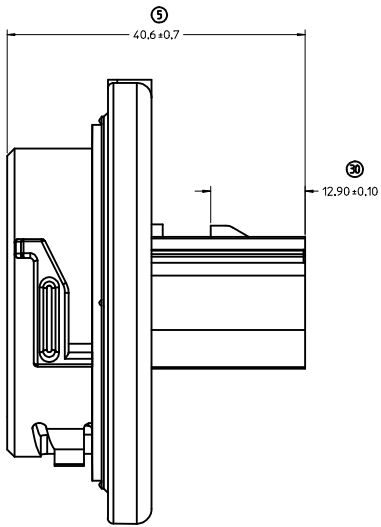


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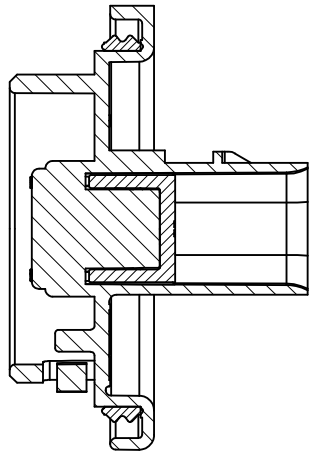
SEE REV. COLUMN EC NO: UAU2013-0858 DRAWN: MDICK CHKD: B3 APPR: WOSHY	2012/12/10	2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	
						MM ONLY		2:1	METRIC			
			▽=0	4 PLACES	± .005	± .005	DRAWN BY	DATE	TITLE			
			▽=0	3 PLACES	± .005	± .005	MDICK	2011/11/22	MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY MOLEX INCORPORATED			
			▽=0	2 PLACES	± 0.10	± .010	CHECKED BY	DATE				
			▽=0	1 PLACE	± 0.20	± .020	MYANSLAMBROU	2011/11/22				
				ANGULAR ± 3 °		APPROVED BY		DATE	 MOLEX			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.	SD-34840-001			
						SEE TABLE		SHEET NO.				
						SIZE		4 OF 9				
					D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

CIRCUIT SIZE	DIMENSIONS	
	A	B
6	3.50	50.3
8	5.25	50.3
12	8.75	60.2
16	12.25	60.2

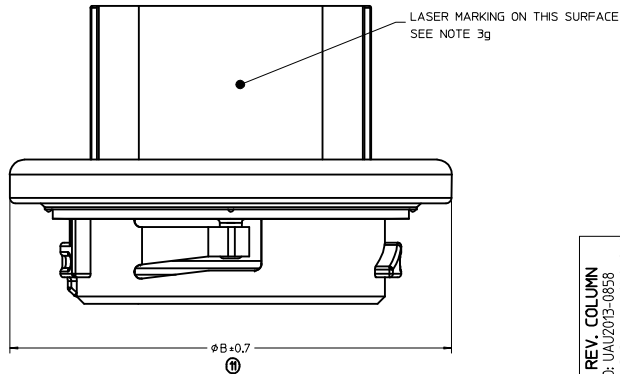
BULKHEAD CONNECTOR



SECTION A-A
PLR SHOWN IN PRE-LOCK POSITION



SECTION A-A
PLR SHOWN IN FINAL-LOCK POSITION



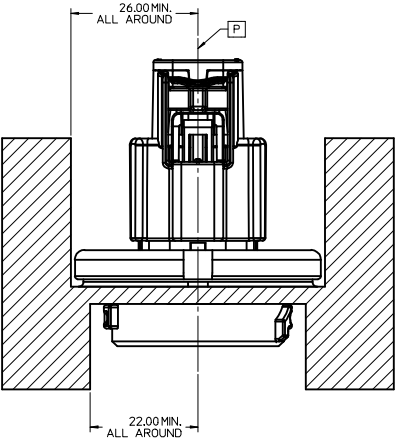
SEE REV. COLUMN IEC NO: UAU2013-0858 DRAWN: MDICK CHKD: CHYK APPR: WKSHY 2012/12/10 2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH		MM ONLY	3:1	METRIC	
	▽=0	4 PLACES ±	---	3 PLACES ±	---	2 PLACES ±	---
	▽=0	1 PLACE ±	0.10	1 PLACE ±	0.20	ANGULAR ±	3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DATE		TITLE		
	SEE TABLE		2011/11/22		MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		
SIZE D		APPROVED BY		DATE		MOLEX INCORPORATED	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO.		SD-34840-001		SHEET NO. 5 OF 9	

6/8 CKT BULKHEAD CONNECTOR INTERFACE SHEET 1/2

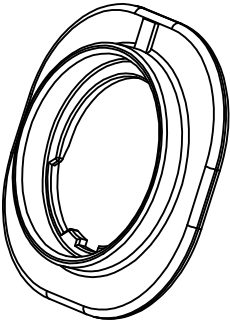
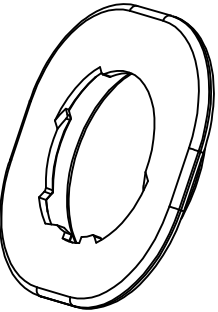
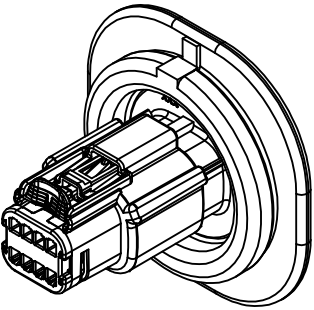
BULKHEAD INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. DESIGNED TO MATE WITH MOLEX CONNECTOR SERIES # 34840
 - b. ALL DIMENSIONS SHOWN IN MILLIMETERS
2. MATERIALS:
- a. MATERIAL: BLACK TALC FILLED POLYPROPYLENE
PER GMP.PP.030 OR EQUIVALENT
3. GEOMETRY:
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - c. GENERAL TOLERANCES: SEE TITLE BLOCK
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. LOCKED POSITION INDICATOR IS INTENDED TO BE A VISUAL AID TO ENSURE THE BULKHEAD CONNECTOR IS IN THE LOCKED POSITION. THE BULKHEAD CONNECTOR HAS A CORRESPONDING FEATURE THAT WILL ALIGN WITH THE BULKHEAD INTERFACE WHEN FULLY LOCKED
4. MANUFACTURING:
- a. DRAFT TO BE WITHIN TOLERANCE.
PLUS DRAFT - INDICATES DIMENSION REPRESENTS THE SMALLEST SIZE OF A FEATURE. DRAFT WILL ADD MATERIAL.
MINUS DRAFT - INDICATES DIMENSION REPRESENTS THE LARGEST SIZE OF A FEATURE. DRAFT WILL REMOVE MATERIAL.
 - b. ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
 - c. NO PARTING LINES, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN SEALING SURFACE. SEALING SURFACE TOOLING TO BE PROCESSED TO A SURFACE FINISH OF NTMA #70 (400 PAPER) MINIMUM
 - d. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.

IF BULKHEAD INTERFACE IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING HARNESS AND BULKHEAD CONNECTOR SHROUDS.

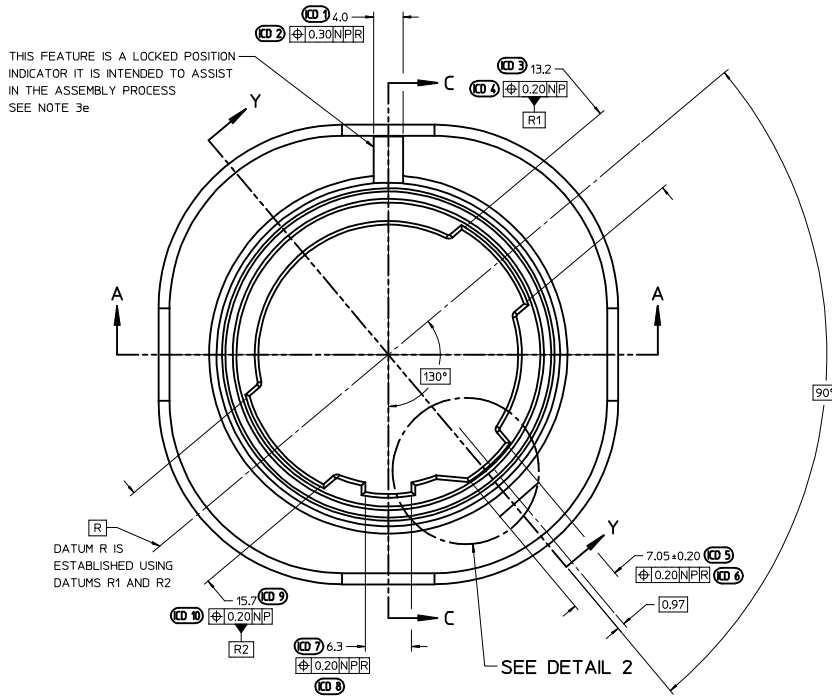


PACKAGING FRAME

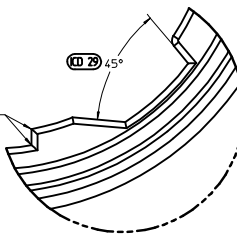


SEE REV. COLUMN EC NO. UAU2013-0858 DRAWN BY: MDICK CHKD: B3 APPR: VKOSHY DATE: 2012/12/10 DATE: 2012/12/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY DATE		TITLE		
		4 PLACES ± ---		MDICK 2011/11/22		MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		
		3 PLACES ± ---		CHECKED BY DATE				
		2 PLACES ± 0.10		MVANSLAMBROU 2011/11/22				
		1 PLACE ± 0.20		APPROVED BY DATE				
		ANGULAR ± 3 °				 MOLEX INCORPORATED		
		DRAFT WHERE APPLICABLE		MATERIAL NO.		DOCUMENT NO.		
		MUST REMAIN WITHIN DIMENSIONS		N/A		SD-34840-001		
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

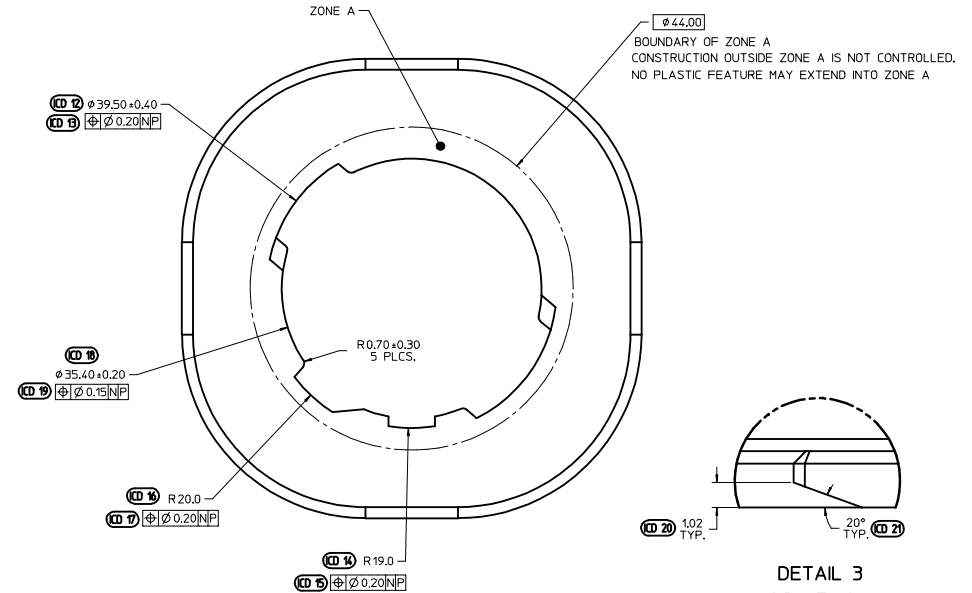
6/8 CKT BULKHEAD CONNECTOR INTERFACE SHEET 2/2



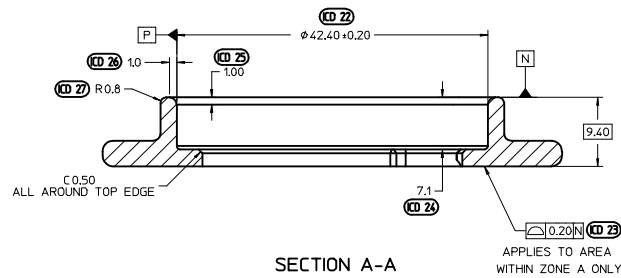
SECTION C-C



DETAIL 2
SCALE 5:1



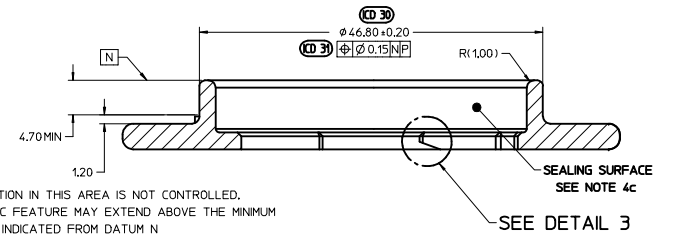
DETAIL 3
SCALE 10:1



SECTION A-A

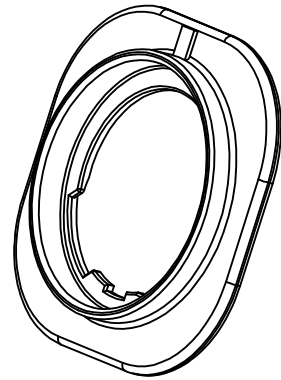
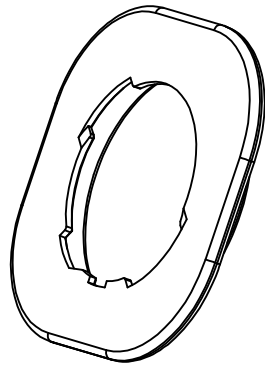
APPLIES TO AREA WITHIN ZONE A ONLY

CONSTRUCTION IN THIS AREA IS NOT CONTROLLED.
NO PLASTIC FEATURE MAY EXTEND ABOVE THE MINIMUM DIMENSION INDICATED FROM DATUM N

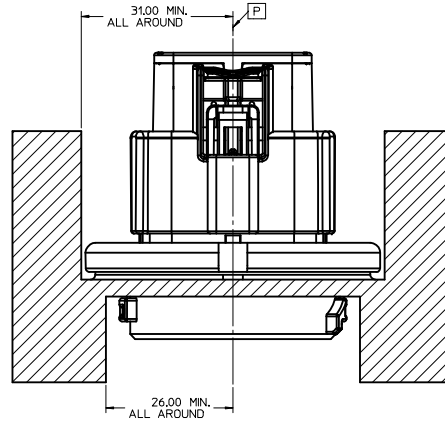


SECTION Y-Y

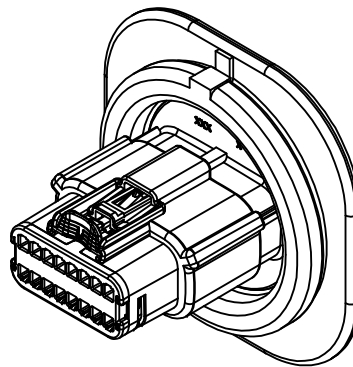
SEE REV. COLUMN EC NO: UAU2013-0858 DRAWN BY: MDICK CHKD: MYANSLAMBROU APPR: WOSHY	2012/12/10 2012/12/14	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		 THIRD ANGLE PROJECTION	
						MM ONLY		3:1		METRIC			
				▽=0	mm	INCH	DRAWN BY	DATE	TITLE		MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		
				▽=0	4 PLACES ±	±---	MDICK	2011/11/22					
				▽=0	3 PLACES ±	±---	CHECKED BY	DATE					
				▽=0	2 PLACES ±	±0.10	MYANSLAMBROU	2011/11/22					
				▽=0	1 PLACE ±	±0.20	APPROVED BY	DATE					
					ANGULAR ± 3 °								
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
								N/A	SD-34840-001		7 OF 9		
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



IF BULKHEAD INTERFACE IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING HARNESS AND BULKHEAD CONNECTOR SHROUDS.



PACKAGING FRAME



12/16 CKT BULKHEAD CONNECTOR INTERFACE SHEET 1/2

BULKHEAD INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. DESIGNED TO MATE WITH MOLEX CONNECTOR SERIES # 34840
- b. ALL DIMENSIONS SHOWN IN MILLIMETERS

2. MATERIALS:

- a. MATERIAL: BLACK TALC FILLED POLYPROPYLENE
PER GMP.PP.030 OR EQUIVALENT

3. GEOMETRY:

- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
- c. GENERAL TOLERANCES: SEE TITLE BLOCK
- d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- e. LOCKED POSITION INDICATOR IS INTENDED TO BE A VISUAL AID TO ENSURE THE BULKHEAD CONNECTOR IS IN THE LOCKED POSITION. THE BULKHEAD CONNECTOR HAS A CORRESPONDING FEATURE THAT WILL ALIGN WITH THE BULKHEAD INTERFACE WHEN FULLY LOCKED

4. MANUFACTURING:

- a. DRAFT TO BE WITHIN TOLERANCE.
PLUS DRAFT - INDICATES DIMENSION REPRESENTS THE SMALLEST SIZE OF A FEATURE. DRAFT WILL ADD MATERIAL.
MINUS DRAFT - INDICATES DIMENSION REPRESENTS THE LARGEST SIZE OF A FEATURE. DRAFT WILL REMOVE MATERIAL.
- b. ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
- c. NO PARTING LINES, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN SEALING SURFACE. SEALING SURFACE TOOLING TO BE PROCESSED TO A SURFACE FINISH OF NTMA #70 (400 PAPER) MINIMUM
- d. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.

SEE REV. COLUMN EC NO: UAU2013-0858 DRAWN BY: MDICK CHKD: B3 APPR: WOSHY DATE: 2012/12/10 DATE: 2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	$\nabla=0$			DRAWN BY	DATE	TITLE		
	$\nabla=0$			MDICK	2011/11/22	MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		
	$\nabla=0$			CHECKED BY	DATE	MOLEX INCORPORATED		
				MVANSLAMBROU	2011/11/22	SD-34840-001		
				APPROVED BY	DATE	SHEET NO. 8 OF 9		
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
REV	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. N/A		DOCUMENT NO. SD-34840-001		

