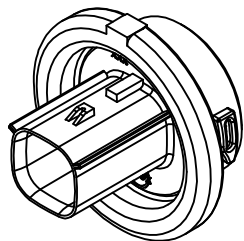
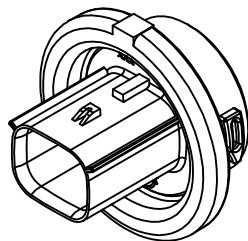


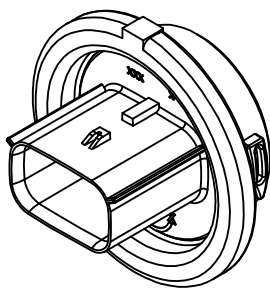
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	BOM
3	6/8 CKT KEY OPTION CONFIGURATIONS
4	12/16 CKT KEY OPTION CONFIGURATIONS
5	BULKHEAD CONNECTOR
6	6/8 CKT BULKHEAD CONNECTOR INTERFACE
7	6/8 CKT BULKHEAD CONNECTOR INTERFACE
8	12/16 CKT BULKHEAD CONNECTOR INTERFACE
9	12/16 CKT BULKHEAD CONNECTOR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



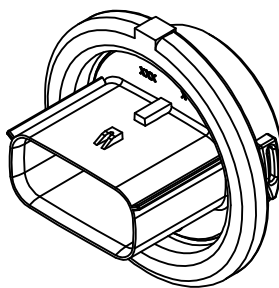
6 CIRCUIT



8 CIRCUIT



12 CIRCUIT



16 CIRCUIT

NOTES: VALID UNLESS OTHERWISE SPECIFIED

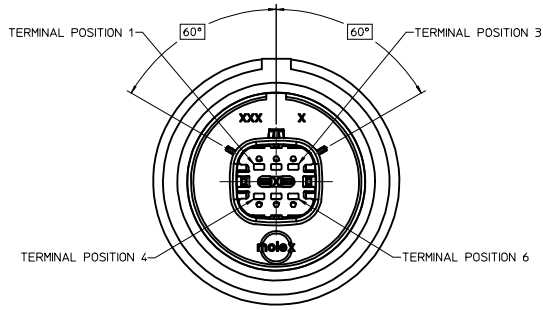
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-34840-001
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY AS SPECIFIED IN DRAWING XXXX
 - FOR 15mm 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>>.
 - b. PRODUCT SPECIFICATION SEE: PS-34840-001
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31301-615
 - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
 - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
 - a. SEE BOM TABLE
3. DESIGN - 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. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - e. 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.
 - f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B) CAD MODEL.
 - g. 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

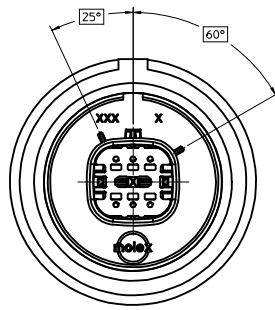
INSPECTION BALLOON NUMBER LOG							
PER DRAWING REVISION: B3							
LAST BALLOON NUMBER USED: 30							
ADDED BALLOON NUMBERS:							
REMOVED BALLOON NUMBERS: NONE							
SEE REV. COLUMN DEC NO. UAU2013-0858 DRAWN/MDL CK CHYK: APPR: VKOSHY 2012/12/14 2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	2:1	METRIC	☉ □	
	▽=0	3 PLACES ± --- ± ---	DRAWN BY DATE				
	▽=0	2 PLACES ± 0.10 ± ---	CHECKED BY DATE				
	▽=0	1 PLACE ± 0.20 ± ---	APPROVED BY DATE				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-34840-001		SHEET NO. 1 OF 9	
TITLE: MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY MOLEX MOLEX INCORPORATED THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

6 CIRCUIT CONFIGURATIONS

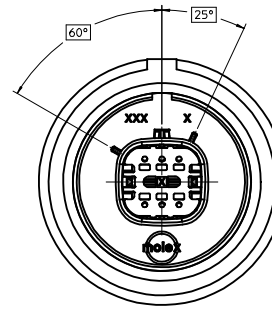
6/8 CKT KEY OPTION CONFIGURATIONS



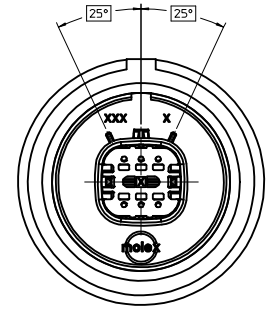
KEY OPTION A



KEY OPTION B

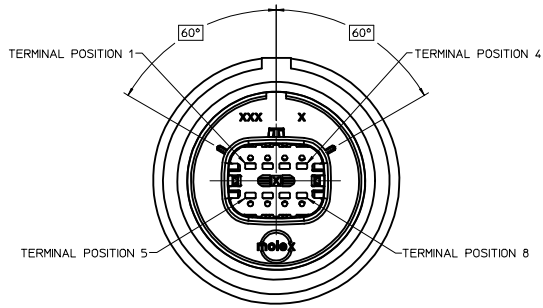


KEY OPTION C

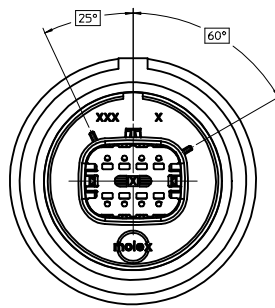


KEY OPTION D

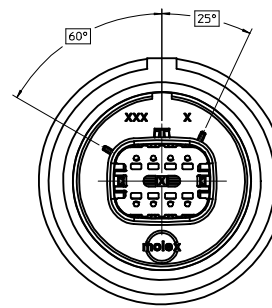
8 CIRCUIT CONFIGURATIONS



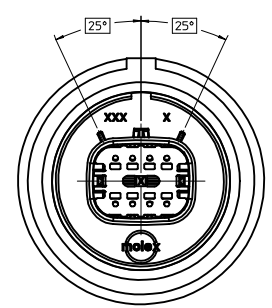
KEY OPTION A



KEY OPTION B



KEY OPTION C

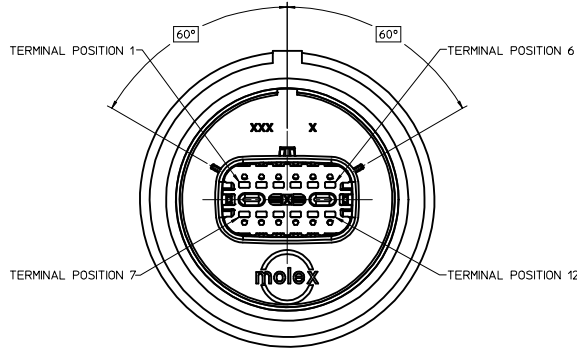


KEY OPTION D

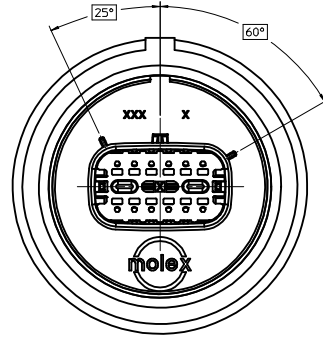
SEE REV. COLUMN DEC NO. UAU2013-0858 DRAWN BY MD LCK CHKD: APPR: VKOSHY 2012/12/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY	2:1	METRIC		
		4 PLACES ± ---	± INCH	DRAWN BY	DATE	TITLE		
		3 PLACES ± ---	± ---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

12 CIRCUIT CONFIGURATIONS

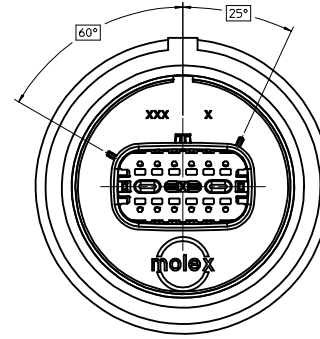
12/16 CKT KEY OPTION CONFIGURATIONS



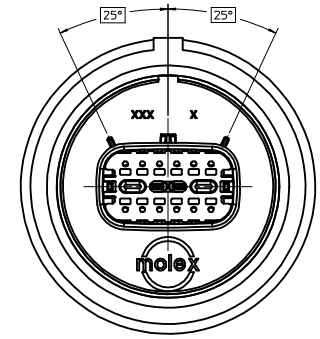
KEY OPTION A



KEY OPTION B

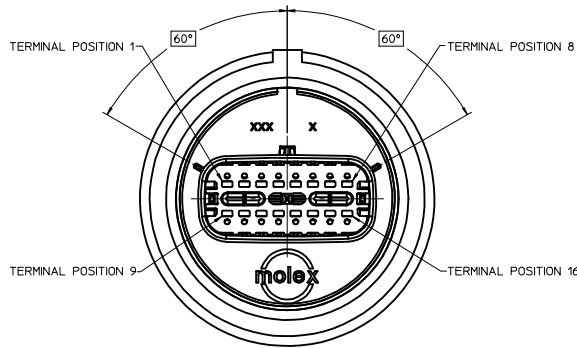


KEY OPTION C

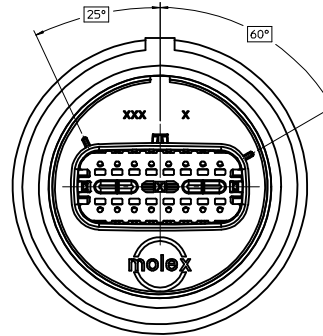


KEY OPTION D

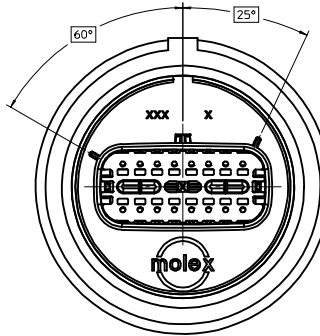
16 CIRCUIT CONFIGURATIONS



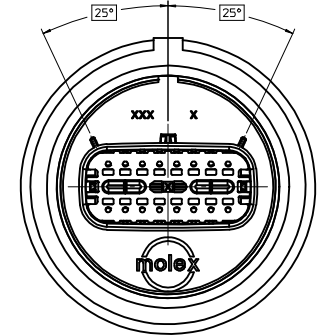
KEY OPTION A



KEY OPTION B



KEY OPTION C

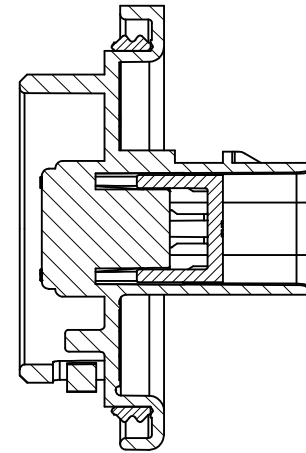
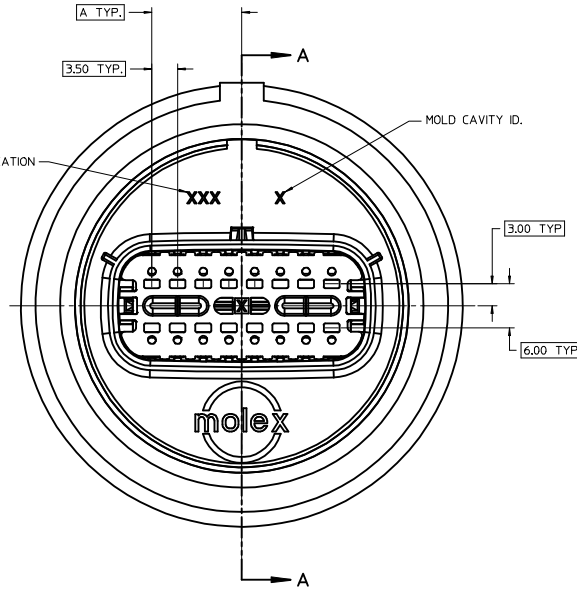
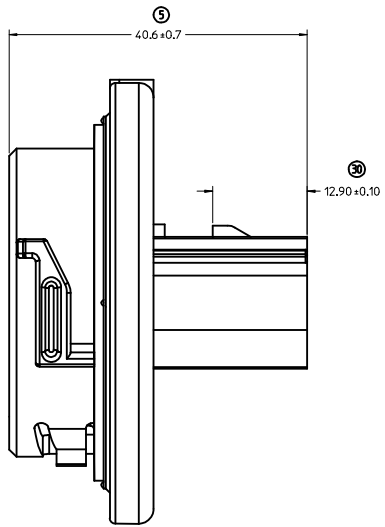


KEY OPTION D

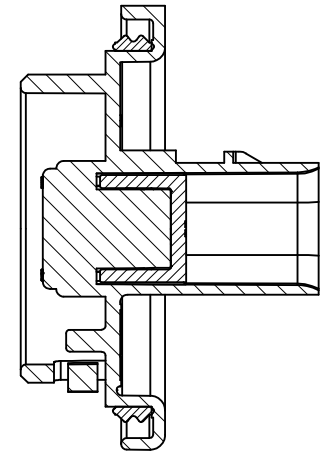
SEE REV. COLUMN DEC NO. JAN2013-0858 DRAWN/MDLCK CHKD: APPR:VKOSHY 2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	MM ONLY	2:1	METRIC	
	▽=0	4 PLACES ± ---	± ---	DRAWN BY	DATE	TITLE	
	▽=0	3 PLACES ± ---	± ---	MDLCK	2011/11/22	MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY	
	2 PLACES ± 0.10	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
	1 PLACE ± 0.20	± ---	MYANSLAMBROU	2011/11/22	MOLEX INCORPORATED		
	ANGULAR ± 3°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.
						SEE TABLE	SD-34840-001
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				D	4 OF 9		

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

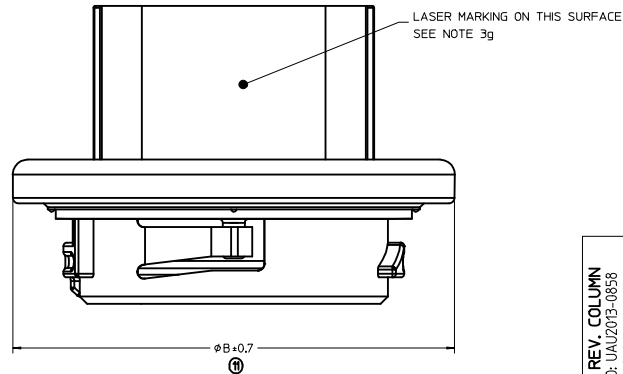
BULKHEAD CONNECTOR



SECTION A-A
PLR SHOWN IN PRE-LOCK POSITION



SECTION A-A
PLR SHOWN IN FINAL-LOCK POSITION



SEE REV. COLUMN DEC NO: UAU2013-0858 DRAWN: MDLCK CHKD: B3 APPR: WKOSHY 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 ± --- ± ---	DRAWN BY DATE			
	▽=0	3 PLACES ± --- ± ---	MDLCK 2011/11/22			
	2 PLACES ± 0.10 ± ---	CHECKED BY DATE				
	1 PLACE ± 0.20 ± ---	MVANS LAMBROU 2011/11/22				
	ANGULAR ± 3°	APPROVED BY DATE				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			MATERIAL NO.			
			SEE TABLE			
			SIZE D			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

TITLE: MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY

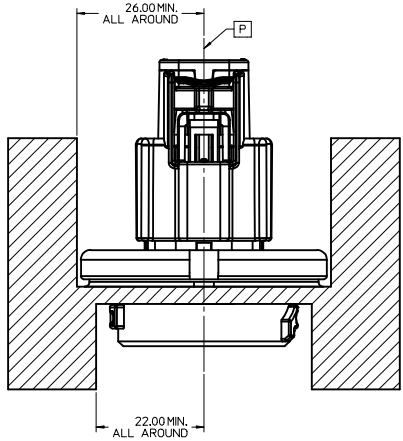
MOLEX INCORPORATED

DOCUMENT NO: SD-34840-001

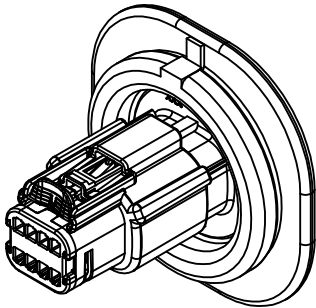
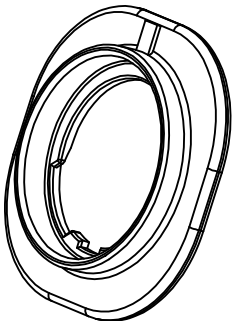
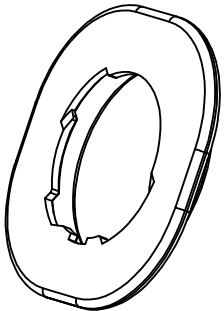
SHEET NO: 5 OF 9

6/8 CKT BULKHEAD CONNECTOR INTERFACE SHEET 1/2

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

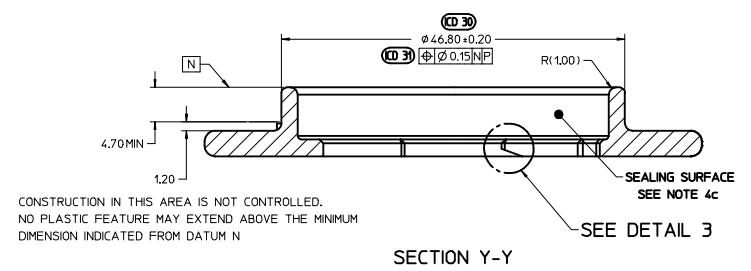
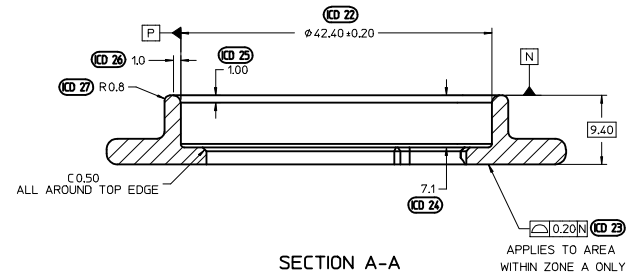
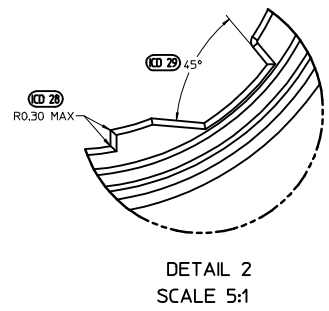
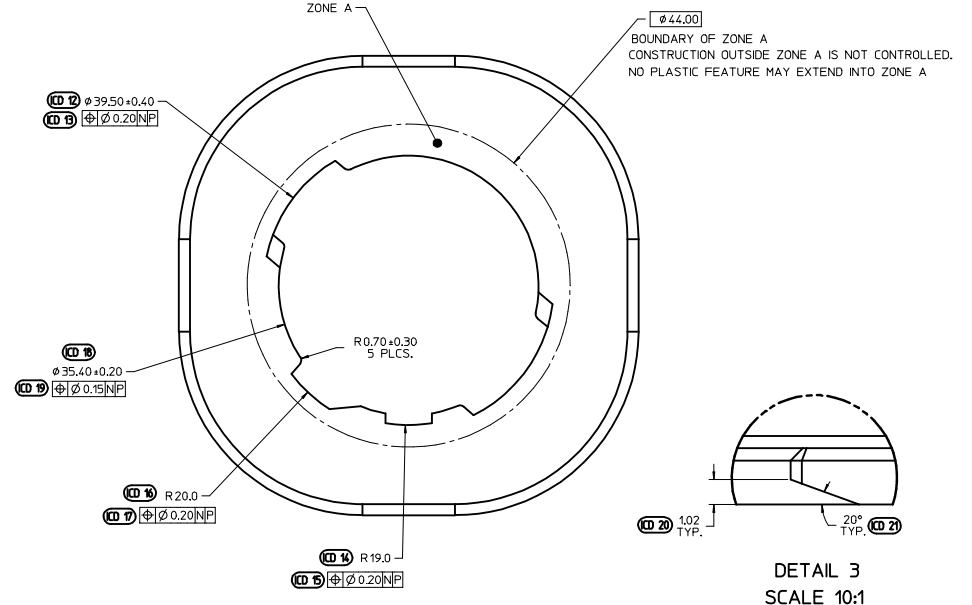
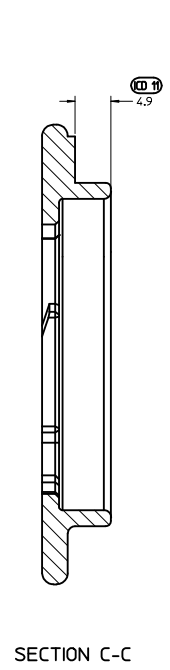
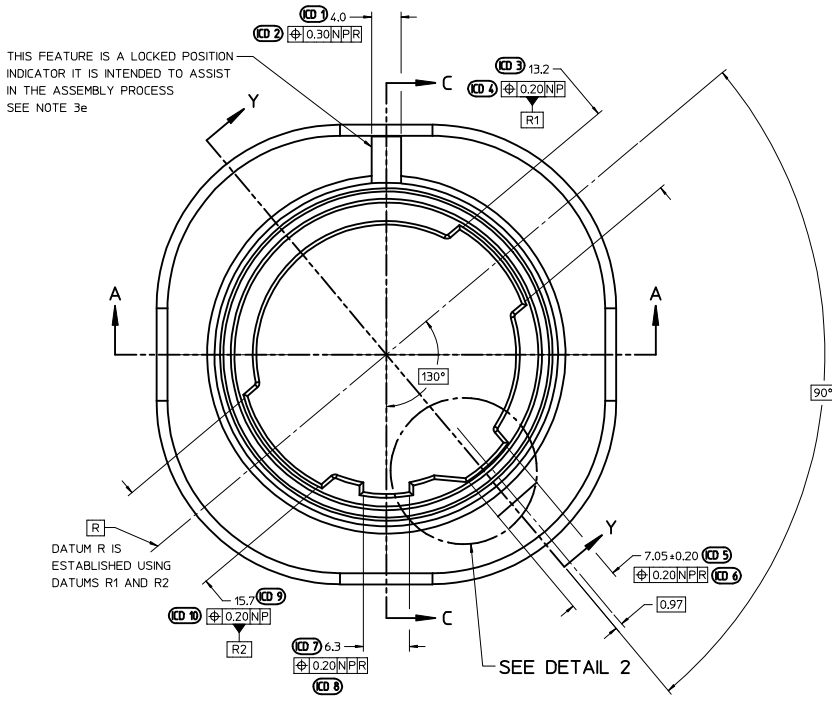


BULKHEAD INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

- 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 N7MA #70 (400 PAPER) MINIMUM
 - d. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.

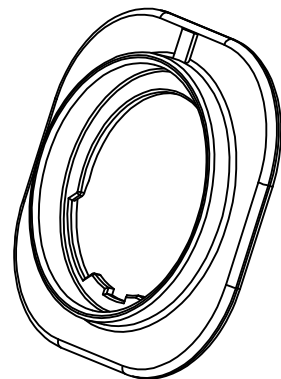
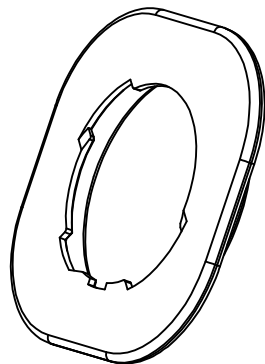
SEE REV. COLUMN DEC NO: JAU2013-0858 B3 DRAWN: MDICK CHYK: APPR: IKOSHY 2012/10/10 2012/10/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	4 PLACES ± .--- 3 PLACES ± .--- 2 PLACES ± 0.10 1 PLACE ± 0.20	MM ONLY 2:1	DRAWN BY: MDICK CHECKED BY: MVANSLAMBROU APPROVED BY:	DATE: 2011/11/22 DATE: 2011/11/22 DATE:	METRIC	MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3°	MATERIAL NO: N/A	MOLEX INCORPORATED	DOCUMENT NO: SD-34840-001	SHEET NO: 6 OF 9	MOLEX INCORPORATED
			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

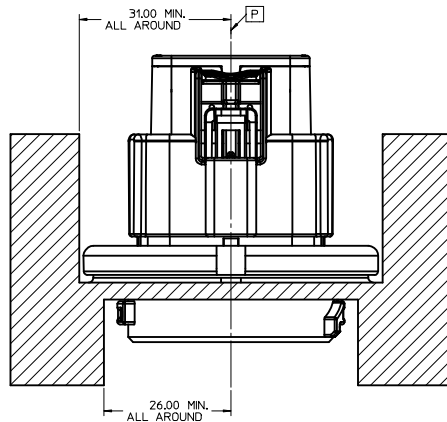


SEE REV. COLUMN DEC NO. UAU2013-0858 DRAWN/MDLCK CHKD: APPR:VKOSHY 2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	3:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE			
	▽=0	3 PLACES ± --- ± ---	MDLCK 2011/11/22			
	2 PLACES ± 0.10 ± ---	CHECKED BY DATE				
	1 PLACE ± 0.20 ± ---	MYANSLAMBROU 2011/11/22				
	ANGULAR ± 3°	APPROVED BY DATE				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.				
		N/A				
		DOCUMENT NO.				
		SD-34840-001				
		SHEET NO.				
		7 OF 9				

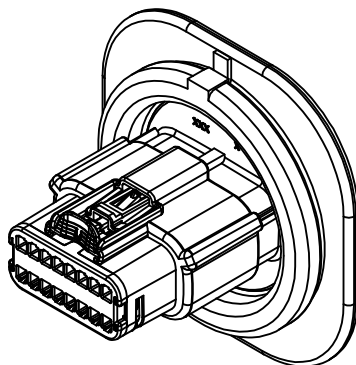
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



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

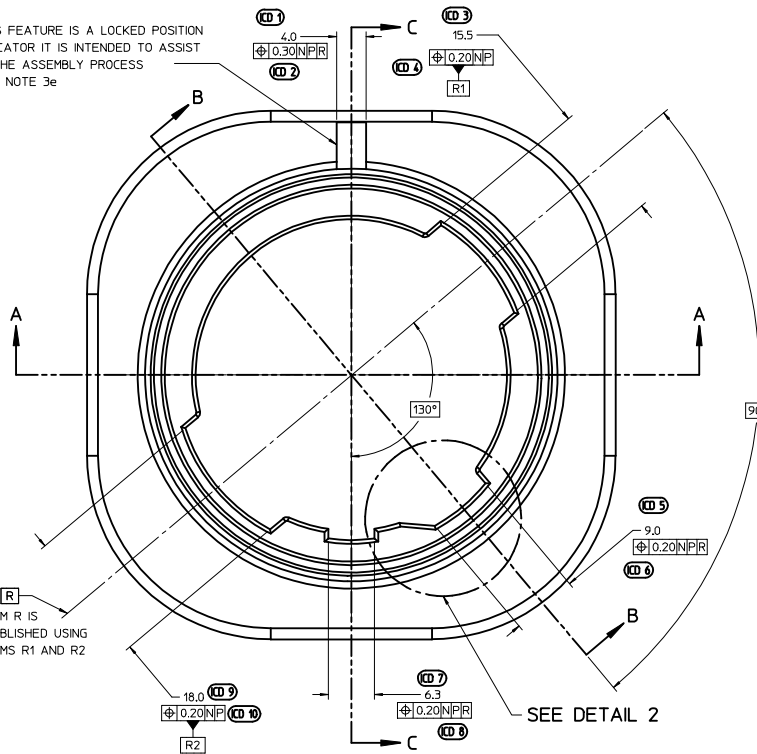
4. MANUFACTURING:

- 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 N7MA #70 (400 PAPER) MINIMUM
- d. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.

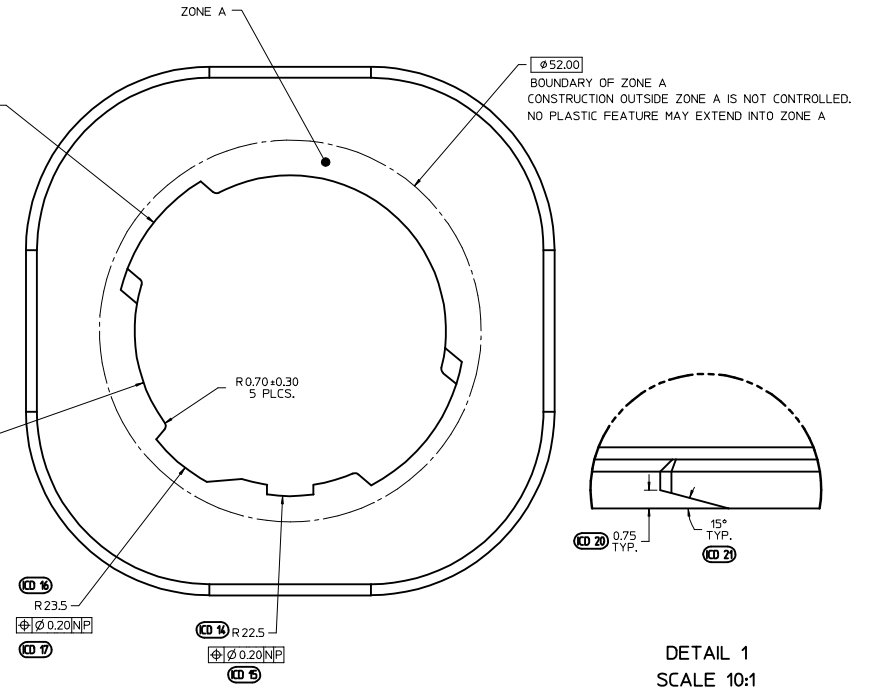
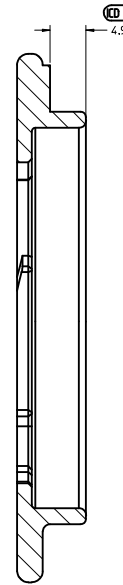
SEE REV. COLUMN DEC NO: JAU2013-0858 B3 DRAWN: MDICK CHYK: APPR: IKOSHY 2012/12/14 DESCRIPTION:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	4 PLACES ± --- # --- 3 PLACES ± --- # --- 2 PLACES ± 0.10 # --- 1 PLACE ± 0.20 # --- ANGULAR ± 3 °	mm INCH --- ---	MM ONLY DRAWN BY: MDICK DATE: 2011/11/22 CHECKED BY: DATE: APPROVED BY: DATE:	2:1	METRIC	MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO: N/A	MOLEX INCORPORATED	DOCUMENT NO: SD-34840-001	SHEET NO: 8 OF 9		
	SIZE: D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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

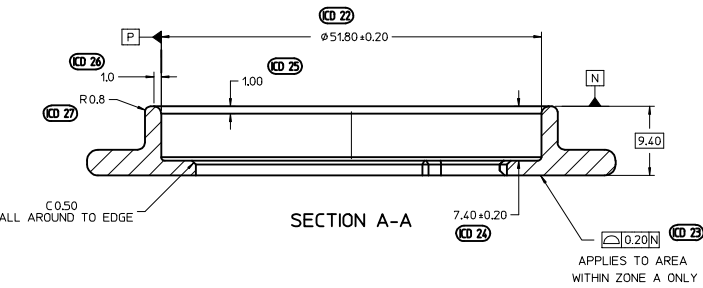
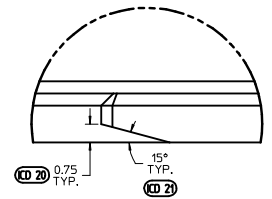
THIS FEATURE IS A LOCKED POSITION INDICATOR IT IS INTENDED TO ASSIST IN THE ASSEMBLY PROCESS SEE NOTE 3e



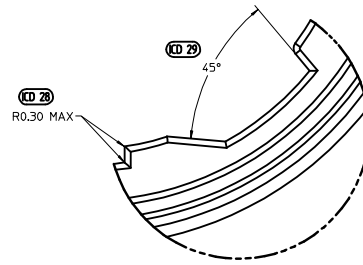
SECTION C-C



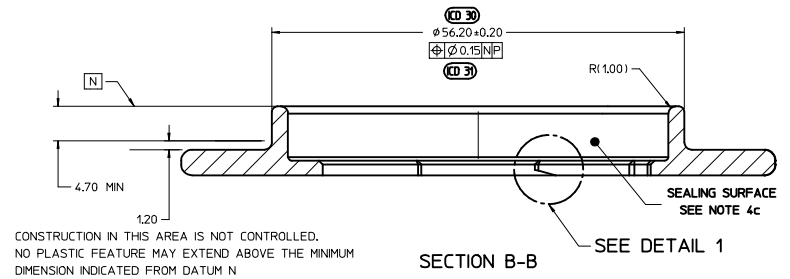
DETAIL 1
SCALE 10:1



SECTION A-A



DETAIL 2
SCALE 5:1



SECTION B-B

SEE REV. COLUMN EC NO. UAU2013-0858 DRAWN BY MD LICK CHKD: APPR: VKOSHY 2012/10/10 2012/12/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$	mm	INCH	MM ONLY	3:1	METRIC	
	$\nabla=0$	4 PLACES ± ---	± ---				
	$\nabla=0$	3 PLACES ± ---	± ---				
		2 PLACES ± 0.10	± ---				
		1 PLACE ± 0.20	± ---				
		ANGULAR ± 3°					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	DOCUMENT NO.		
				N/A	SD-34840-001		
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				D	9 OF 9		