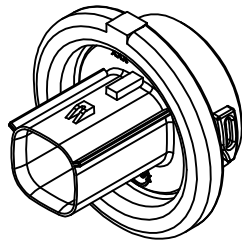
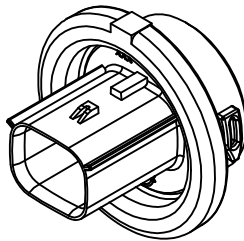


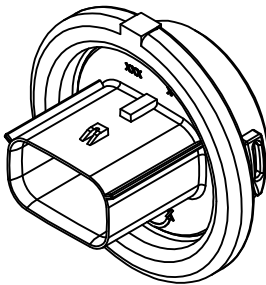
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	BOM
3	6/8 CKT KEY OPTION CONFIGURATIONS
4	12/16 CKT KEY OPTION CONFIGURATIONS
5	BULKHEAD CONNECTOR
6	6/8 CKT BULKHEAD CONNECTOR INTERFACE
7	6/8 CKT BULKHEAD CONNECTOR INTERFACE
8	12/16 CKT BULKHEAD CONNECTOR INTERFACE
9	12/16 CKT BULKHEAD CONNECTOR INTERFACE



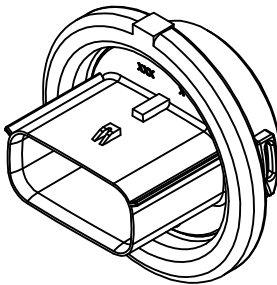
6 CIRCUIT



8 CIRCUIT



12 CIRCUIT



16 CIRCUIT

NOTES: VALID UNLESS OTHERWISE SPECIFIED

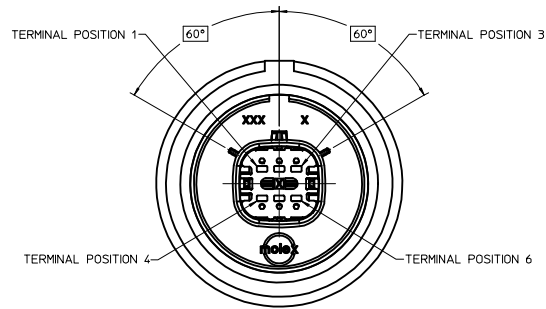
- GENERAL:
 - APPLICATION SPECIFICATION SEE: AS-34840-001
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH RECEPTACLE HOUSING ASSEMBLY 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

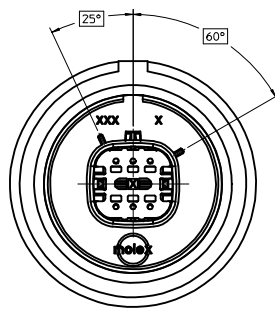
INSPECTION BALLOON NUMBER LOG										A	OK TO TOOL 6 & 8 CKT		
PER DRAWING REVISION: B3										4	ADDED 6/8 CKT PER CP1ME UPDATES		
LAST BALLOON NUMBER USED: 30										3	UPDATED FORMAT		
ADDED BALLOON NUMBERS:										2	DESIGN RELEASE		
REMOVED BALLOON NUMBERS: NONE										1	QUOTE ONLY		
										REV	DESCRIPTION		
										SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION
										2:1	METRIC		
										TITLE	MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		MOLEX INCORPORATED
										MATERIAL NO.	DOCUMENT NO.	SD-34840-001	SHEET NO. 1 OF 9
										SEE TABLE			
										SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

6 CIRCUIT CONFIGURATIONS

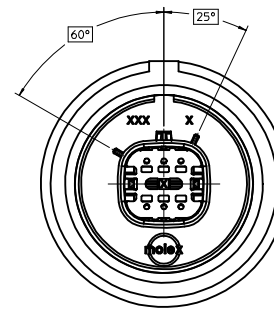
6/8 CKT KEY OPTION CONFIGURATIONS



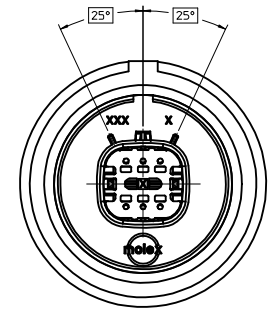
KEY OPTION A



KEY OPTION B

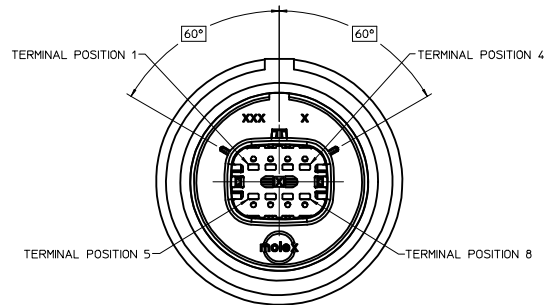


KEY OPTION C

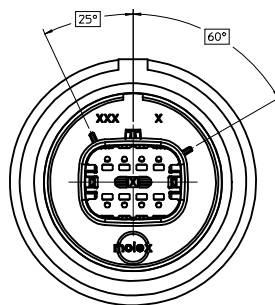


KEY OPTION D

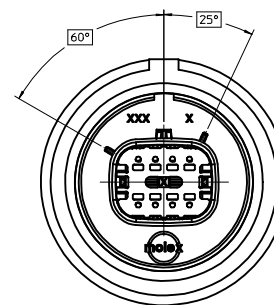
8 CIRCUIT CONFIGURATIONS



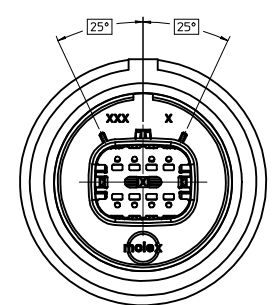
KEY OPTION A



KEY OPTION B



KEY OPTION C

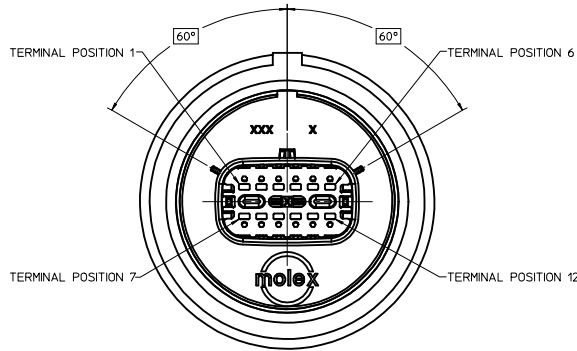


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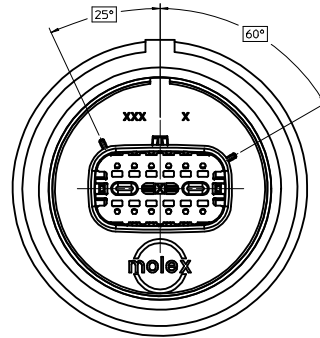
SEE REV. COLUMN IEC NO: UAU2013-0858 DRAWN: MDICK CHKD: B3 APPR: WOSHY	2012/12/10	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY MOLEX INCORPORATED SD-34840-001
	2012/12/14		▽=0	mm	INCH	DRAWN BY MDICK	DATE 2011/11/22	TITLE			
	▽=0		4 PLACES ± .005	± .005	CHECKED BY MVANSLAMBROU	DATE 2011/11/22					
	▽=0		3 PLACES ± .010	± .010	APPROVED BY	DATE					
	▽=0		2 PLACES ± 0.10	± .010				 MOLEX INCORPORATED			
	▽=0		1 PLACE ± 0.20	± .020							
				ANGULAR ± 3 °							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
				MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-34840-001					
				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					

12 CIRCUIT CONFIGURATIONS

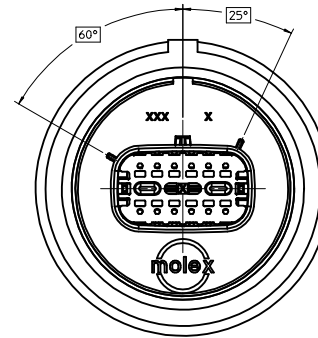
12/16 CKT KEY OPTION CONFIGURATIONS



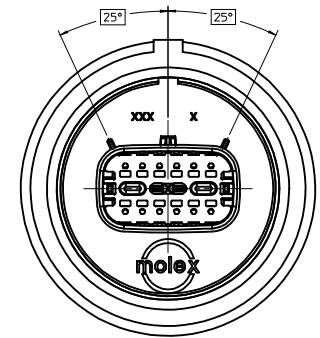
KEY OPTION A



KEY OPTION B

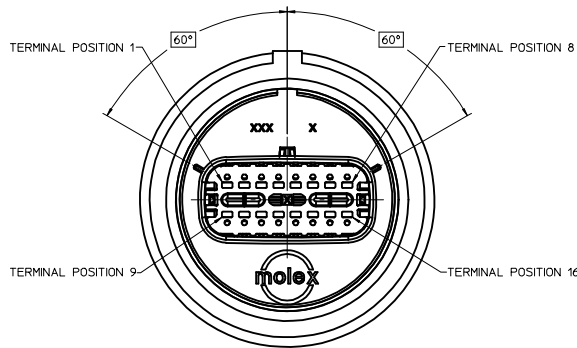


KEY OPTION C

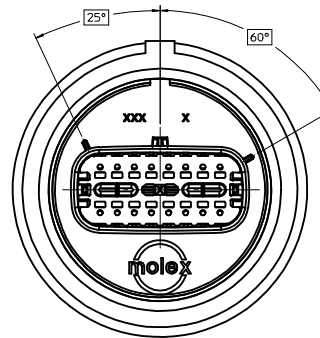


KEY OPTION D

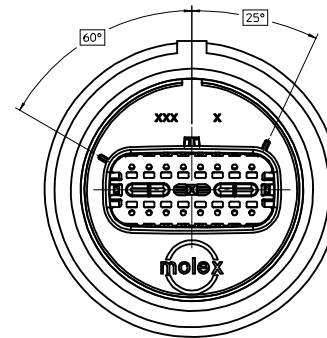
16 CIRCUIT CONFIGURATIONS



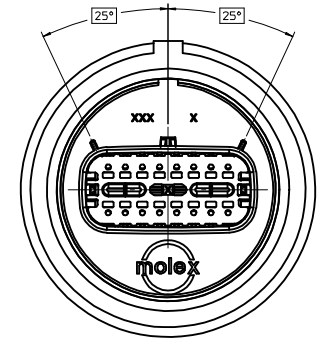
KEY OPTION A



KEY OPTION B



KEY OPTION C



KEY OPTION D

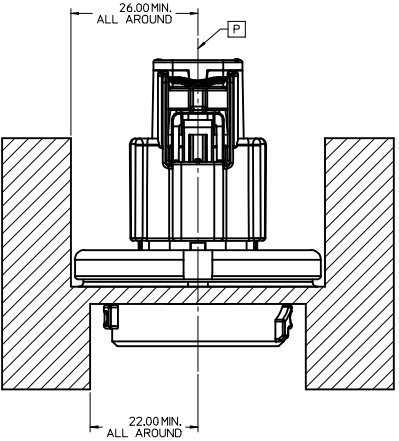
SEE REV. COLUMN IEC NO: UAU2013-0858 DRAWN: MDICK CHKD: B3 APPR: WOSHY	2012/12/10 2012/12/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY DATE		TITLE		
					MDICK 2011/11/22		MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		
					CHECKED BY DATE		MOLEX INCORPORATED		
					MYANSLAMBROU 2011/11/22				
					APPROVED BY DATE		MOLEX INCORPORATED		
							SD-34840-001		
							4 OF 9		
							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 1/2

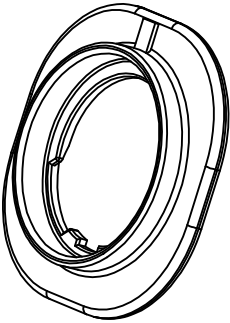
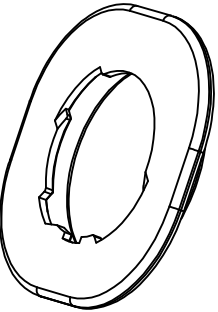
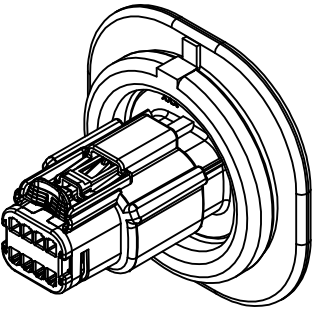
BULKHEAD INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

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.

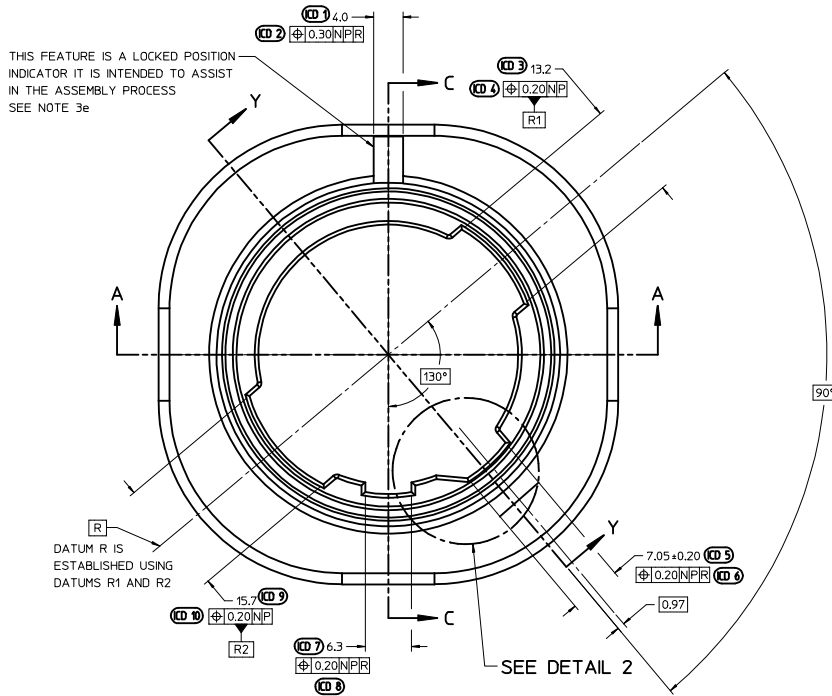


PACKAGING FRAME

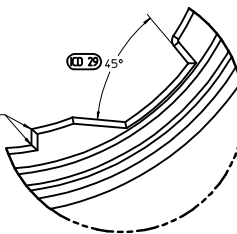


SEE REV. COLUMN EC NO: UAU2013-0858 DRAWN BY: MDICK CHKD: B3 APPR: WOSHY DATE: 2012/12/10 DATE: 2012/12/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				DRAWN BY DATE		TITLE		
		4 PLACES ± ---		MDICK 2011/11/22		MX150 DUAL ROW BULKHEAD TWIST-LOCK CONNECTOR ASSEMBLY		
		3 PLACES ± ---		CHECKED BY DATE		MOLEX INCORPORATED		
		2 PLACES ± 0.10		MVANSLAMBROU 2011/11/22		MOLEX INCORPORATED		
		1 PLACE ± 0.20		APPROVED BY DATE		MOLEX INCORPORATED		
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		
		DRAFT WHERE APPLICABLE 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		
						SHEET NO. 6 OF 9		

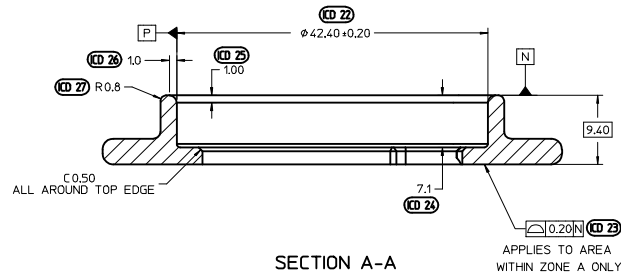
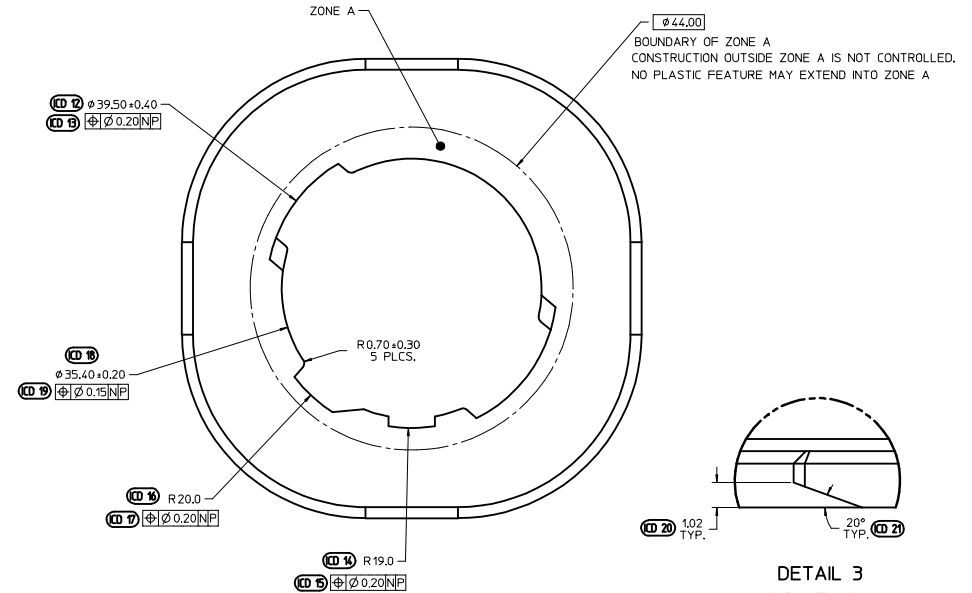
6/8 CKT BULKHEAD CONNECTOR INTERFACE SHEET 2/2



SECTION C-C

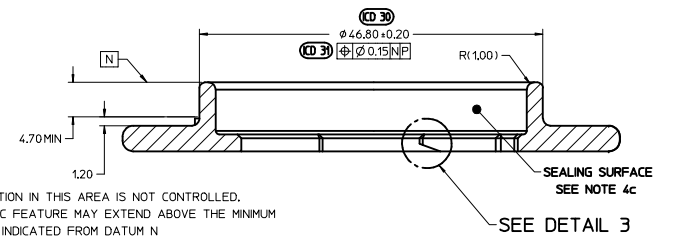


DETAIL 2
SCALE 5:1



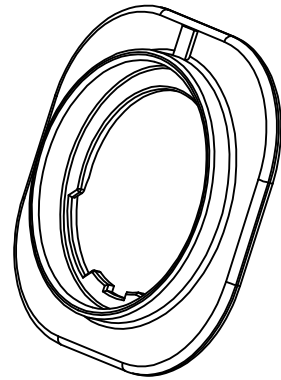
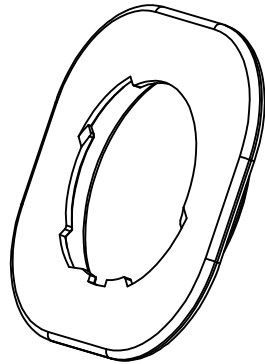
SECTION A-A

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

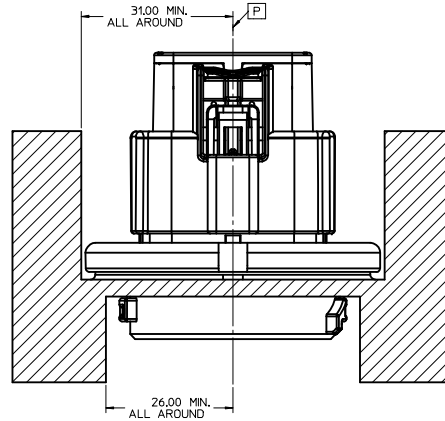


SECTION Y-Y

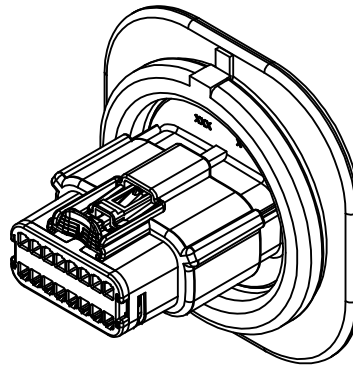
SEE REV. COLUMN EC NO: UAU2013-0858 DRAWN BY: MDICK CHKD: MYANSLAMBROU APPR: WOSHY	REV DESCRIPTION DATE	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
			4 PLACES ± --- ± ---		DRAWN BY: MDICK DATE: 2011/11/22		CHECKED BY: MYANSLAMBROU DATE: 2011/11/22		APPROVED BY: DATE: 2011/11/22		MATERIAL NO. N/A	
			3 PLACES ± --- ± ---		2 PLACES ± 0.10 ± ---		1 PLACE ± 0.20 ± ---		ANGULAR ± 3 °		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		MOLEX INCORPORATED		SD-34840-001		SHEET NO. 7 OF 9	



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

