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1	NOTES AND BOM
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NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN THE MATING CONNECTOR DRAWINGS CHART.
 - *DENOTES DRAWINGS THAT CAN BE ACCESSED AT <http://ewcap.uscarteams.org/>
 - ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 5).
- b. PRODUCT SPECIFICATION SEE:
- STANDARD CONFIGURATION: PS-33471-000
 - UL V0 CONFIGURATION: PS-160105-0001
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635 (PK-33471-000 FOR 1X5)
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:

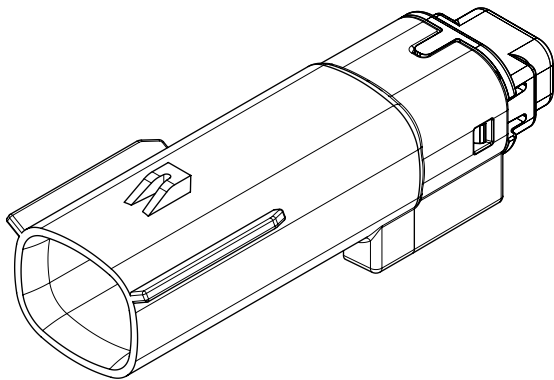
- a. FOR BILL OF MATERIALS SEE:
- STANDARD CONFIGURATION: SD-33481-0002
 - UL V0 CONFIGURATION: SD-160106-0002

3. DESIGN - GEOMETRY:

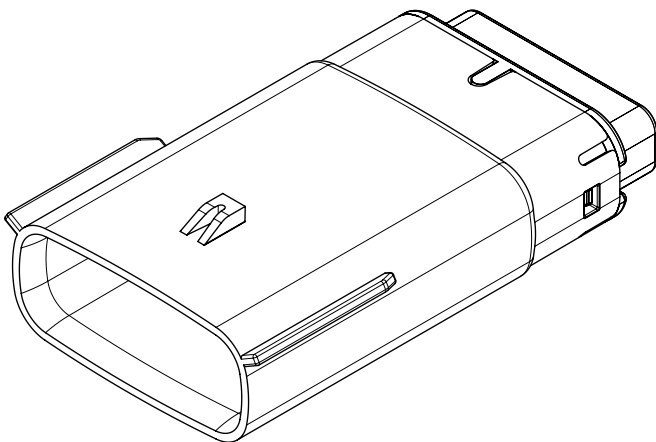
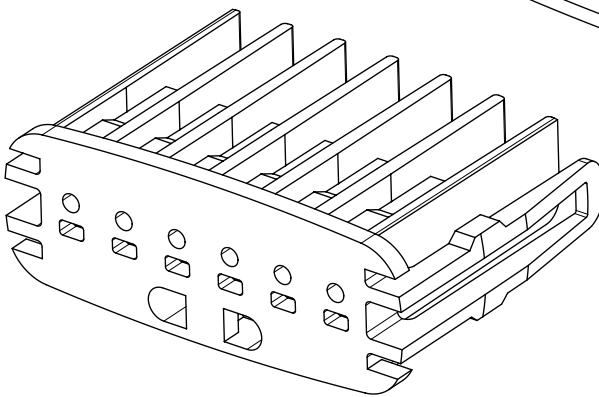
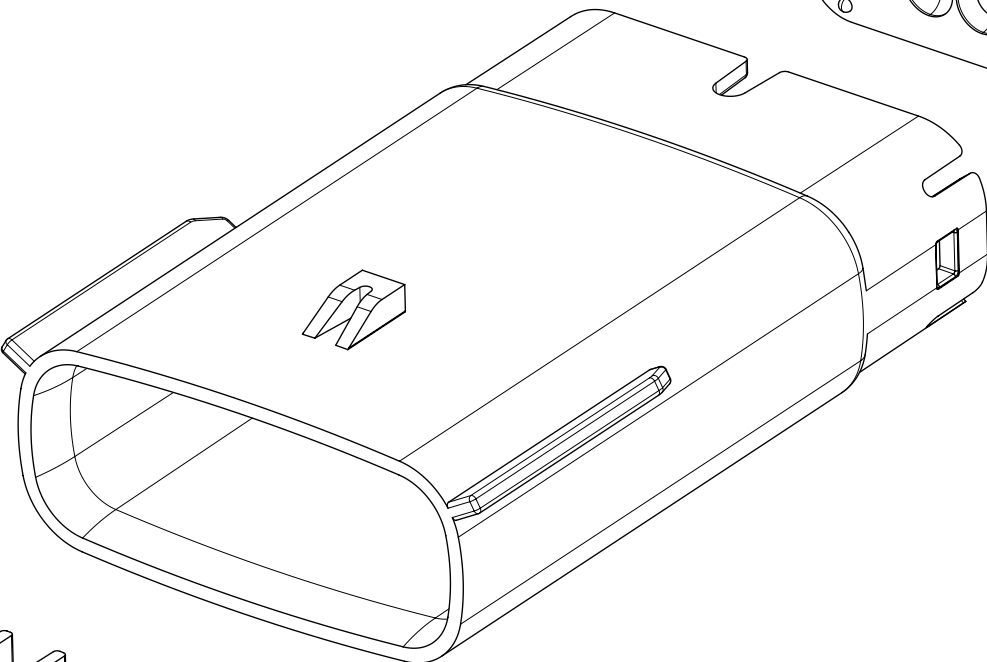
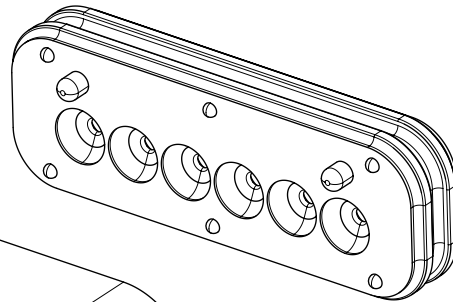
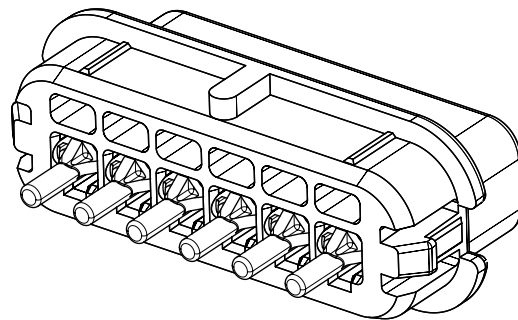
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED 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).
- g. LASER MARKING:
- PART NUMBER
 - DAY OF THE YEAR
 - SHIFT
 - YEAR
- FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.

MATING CONNECTOR DRAWINGS

DESCRIPTION	MOLEX INLINE
1X2	SD-33471-0001
1X6	SD-33471-0001



1X2



1X6

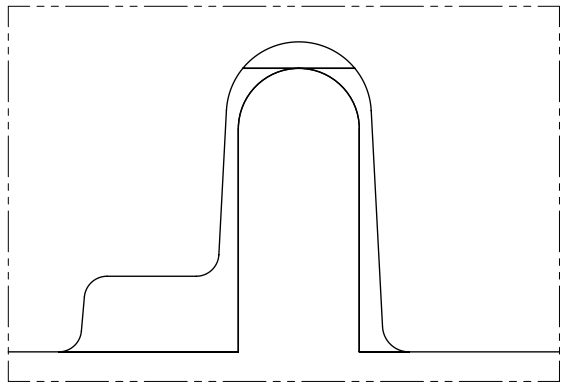
INSPECTION NUMBER LOG	
LAST NUMBER: 9	
ADDED:	
REMOVED:	

A1	NX REMASTERING , CHANGE PS DRAWING NUMBER FROM PS-160105-0001 TO PS-160074-0001 IN NOTES 1.b		
A	MINOR GEOMETRY CHANGE FOR UL V0		
2	UPDATED VIEWSETS		
1	INITIAL RELEASE		
REV	REV DESCRIPTION		

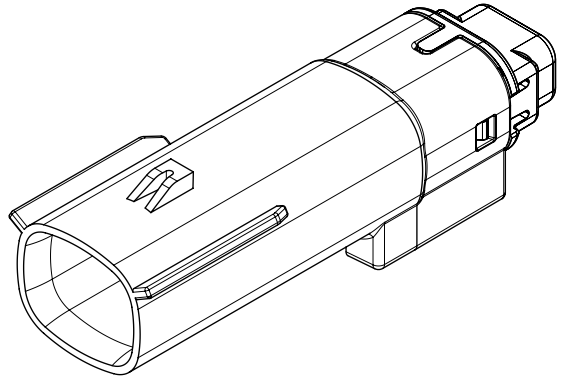
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		MM ONLY	1.5:1										
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04						MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL			
		= 0	ANGULAR TOL										
	= 0		4 PLACES	±	INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14						PRODUCT CUSTOMER DRAWING		
		= 0	3 PLACES	±									
	= 0		2 PLACES	± 0.1	DOCUMENT NUMBER						DOC TYPE	DOC PART	REVISION
		= 0	1 PLACE	± 0.2							SD-33481-0001		
	= 0		0 PLACES	±									
		= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
	= 0						A1-SIZE	33481	SEE NOTE 2a.	GENERAL MARKET		1 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04	15:02:02
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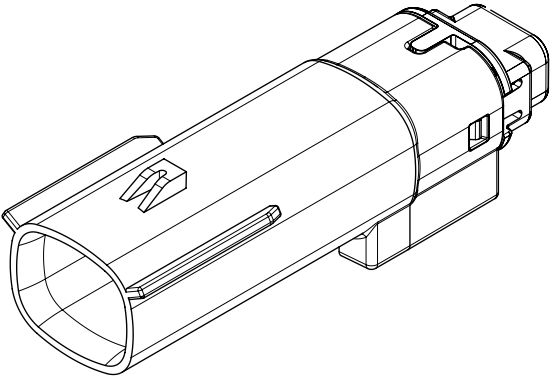
SHEET DESCRIPTION
CONFIGURATIONS



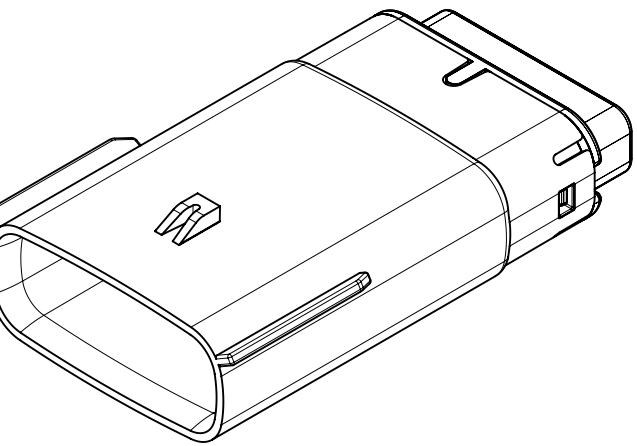
UL V0 UNIQUE FEATURE
Partial1
SCALE 10:1



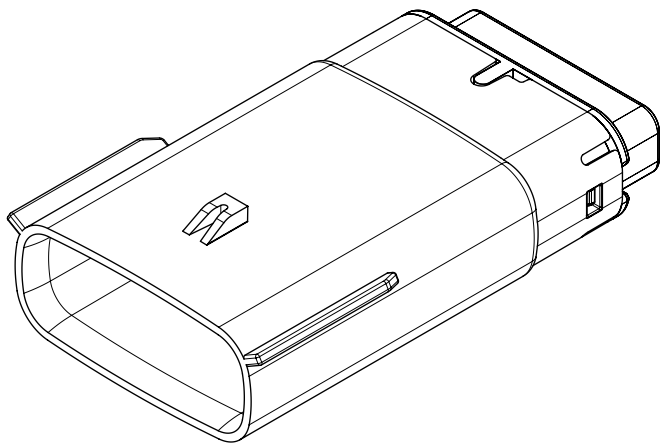
1x2 - STD



1X2 - UL V0*



1x6 - STD

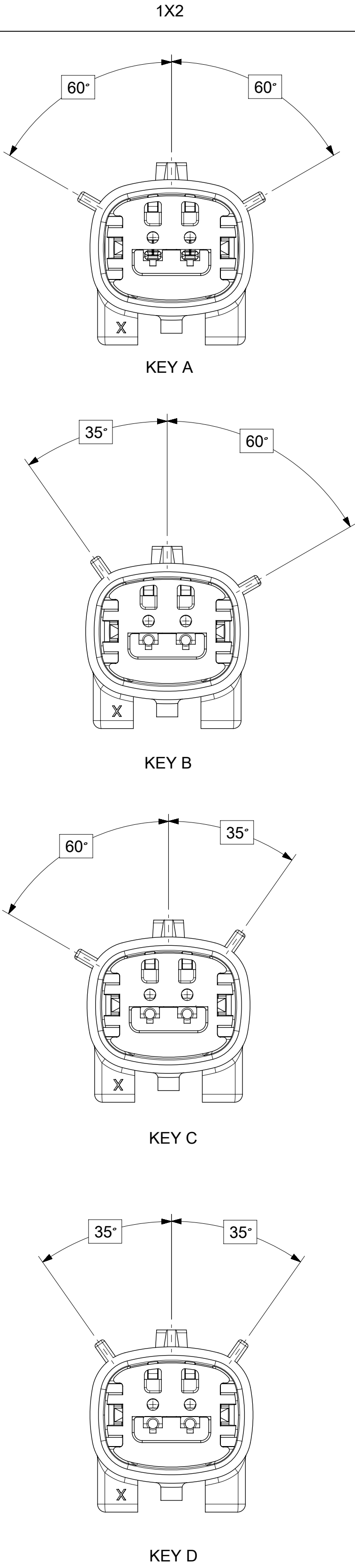


1x6 - UL V0*

* MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION.
SEE NOTES 1 & 2 FOR MORE INFORMATION

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04											
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	= 0	ANGULAR TOL ± 1.0 °															
	= 0	4 PLACES		±		MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL											
	= 0	3 PLACES		±													
	= 0	2 PLACES		± 0.1													
	= 0	1 PLACE		± 0.2													
	= 0	0 PLACES		±		PRODUCT CUSTOMER DRAWING											
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	= 0	THIRD ANGLE PROJECTION				DRAWING A1-SIZE		SERIES 33481		MATERIAL NUMBER SEE NOTE 2a.		CUSTOMER GENERAL MARKET				SHEET NUMBER 2 OF 9	

SHEET DESCRIPTION
KEY CONFIGURATIONS

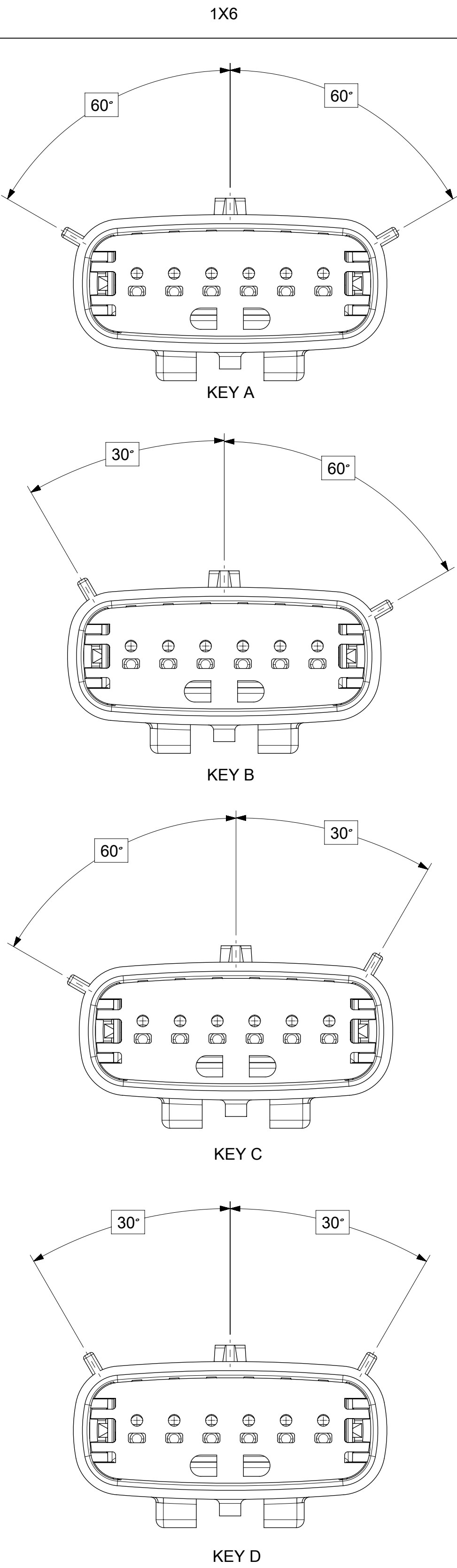


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04 INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14						molex	
MM ONLY		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		± 1.0 °									
4 PLACES		±									
3 PLACES		±		MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL							
2 PLACES		± 0.1									
1 PLACE		± 0.2									
0 PLACES		±		PRODUCT CUSTOMER DRAWING							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIRD ANGLE PROJECTION	
						A1-SIZE		33481		DOCUMENT NUMBER	
										SD-33481-0001	
										DOC TYPE	
										PSD	
										DOC PART	
										001	
										REVISION	
										A1	
										MATERIAL NUMBER	
										SEE NOTE 2a.	
										CUSTOMER	
										GENERAL MARKET	
										SHEET NUMBER	
										3 OF 9	

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

SHEET DESCRIPTION
KEY CONFIGURATIONS CONT.

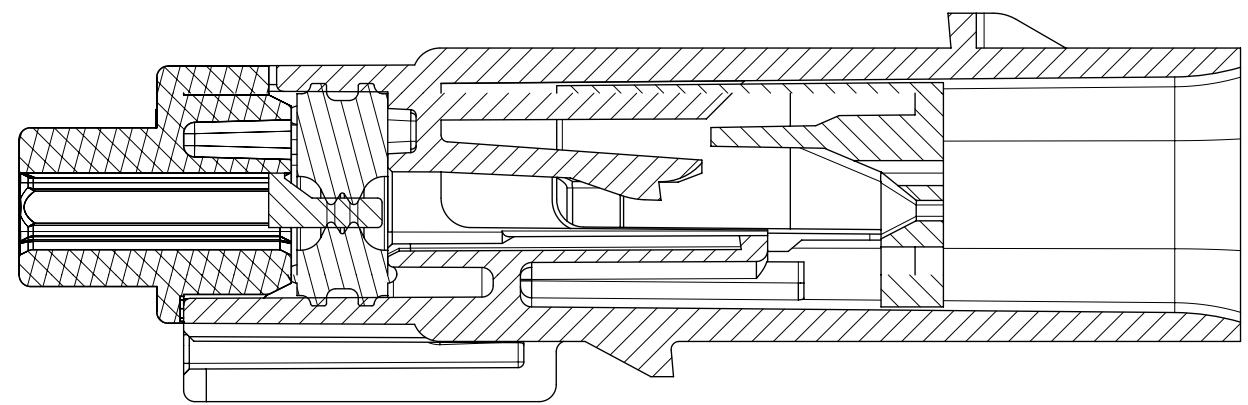
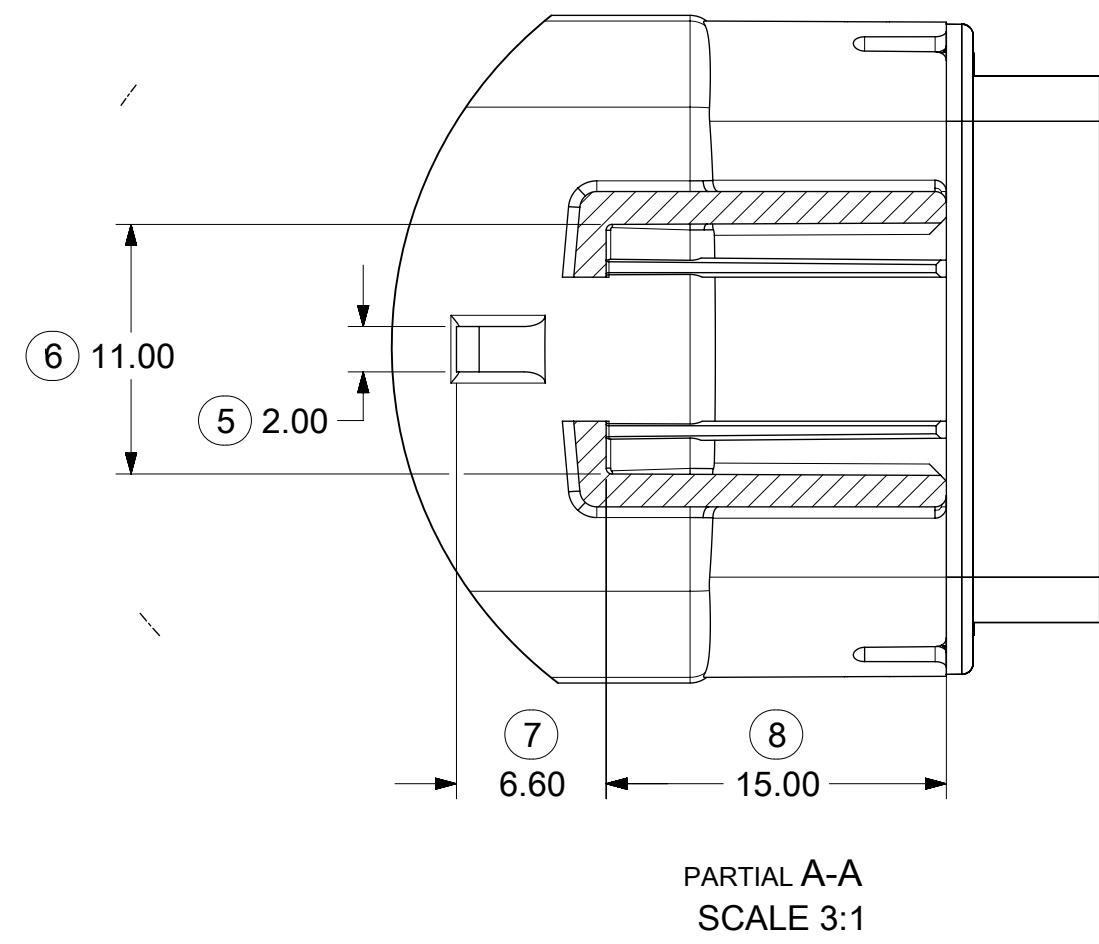
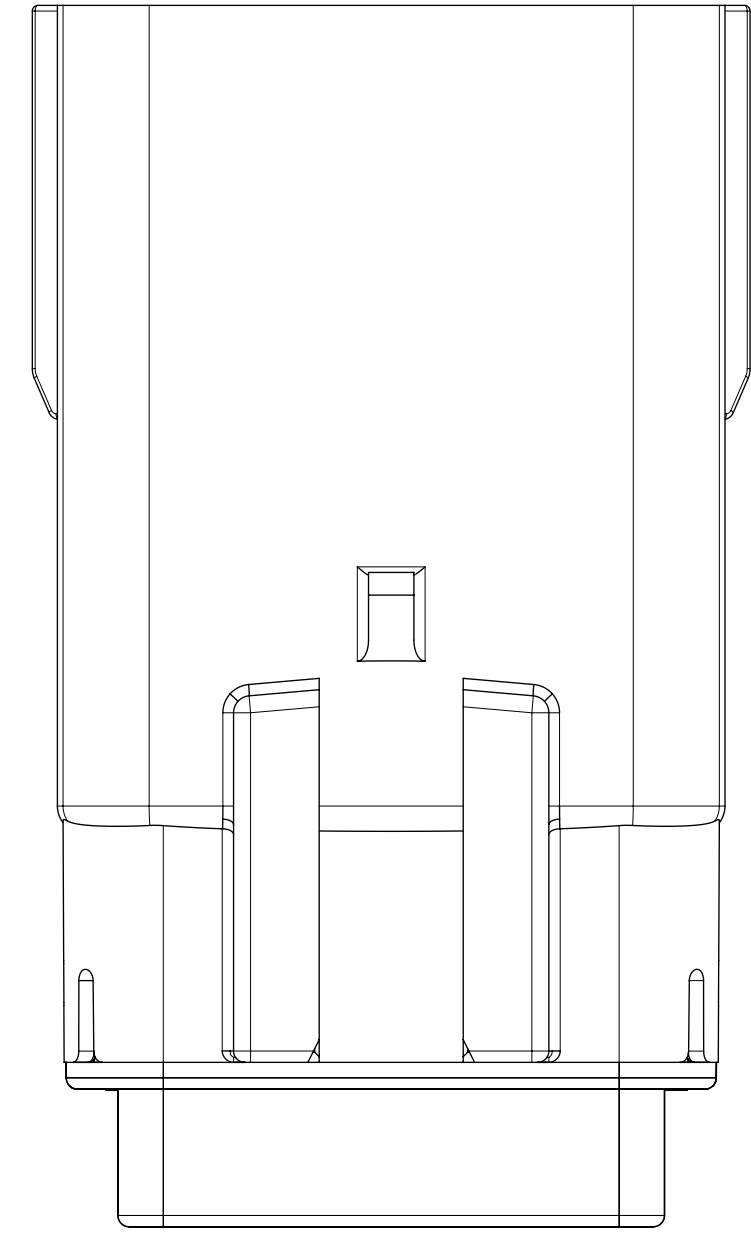
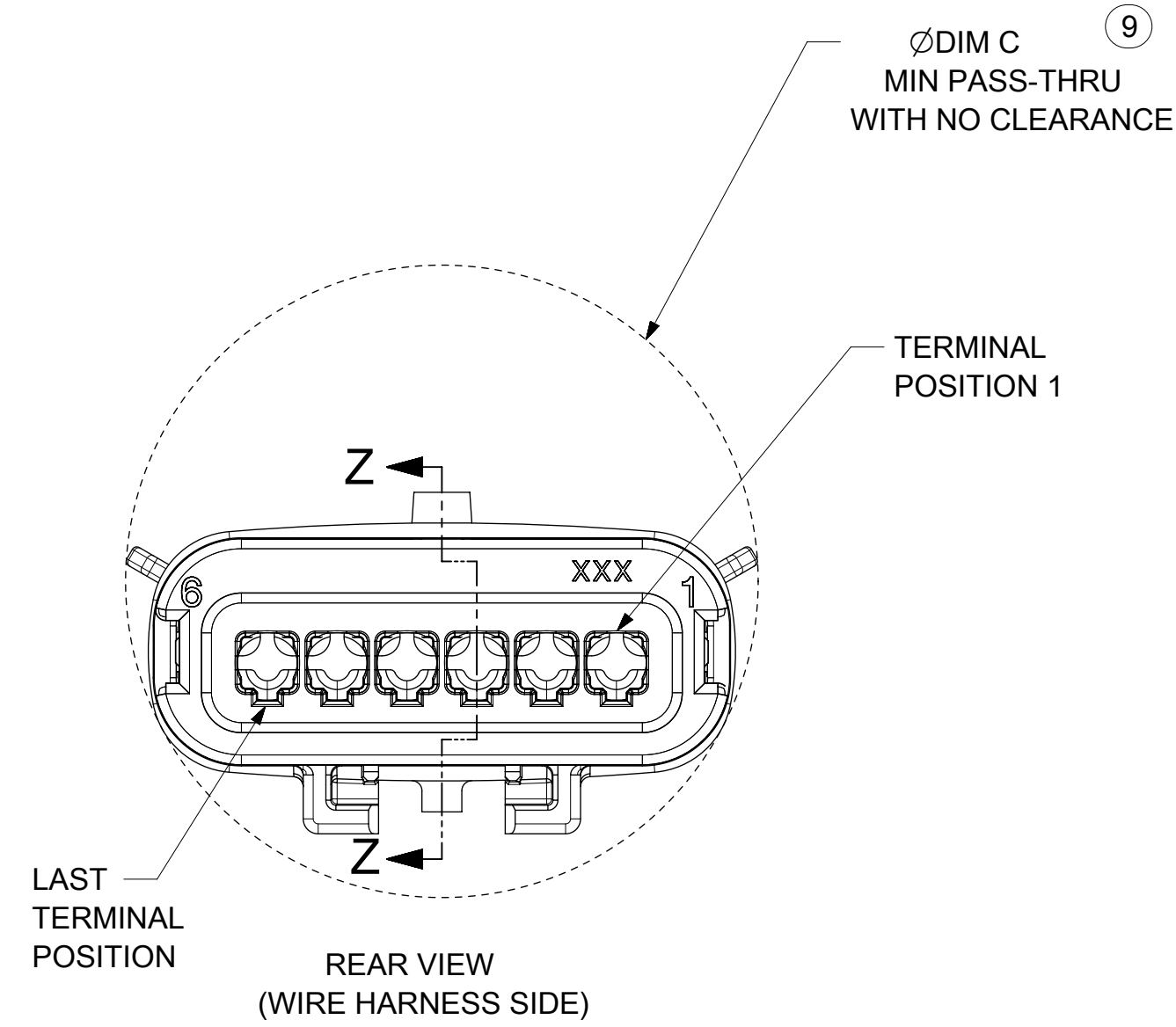
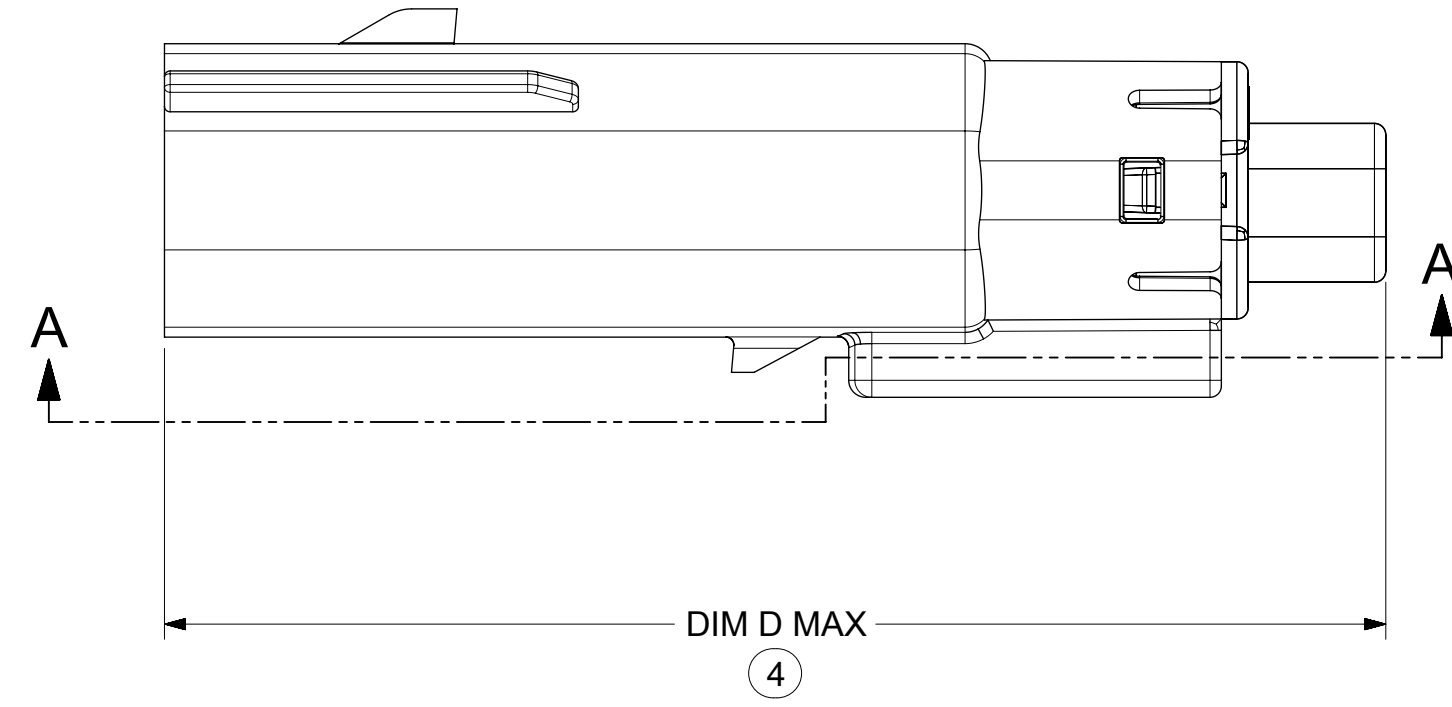
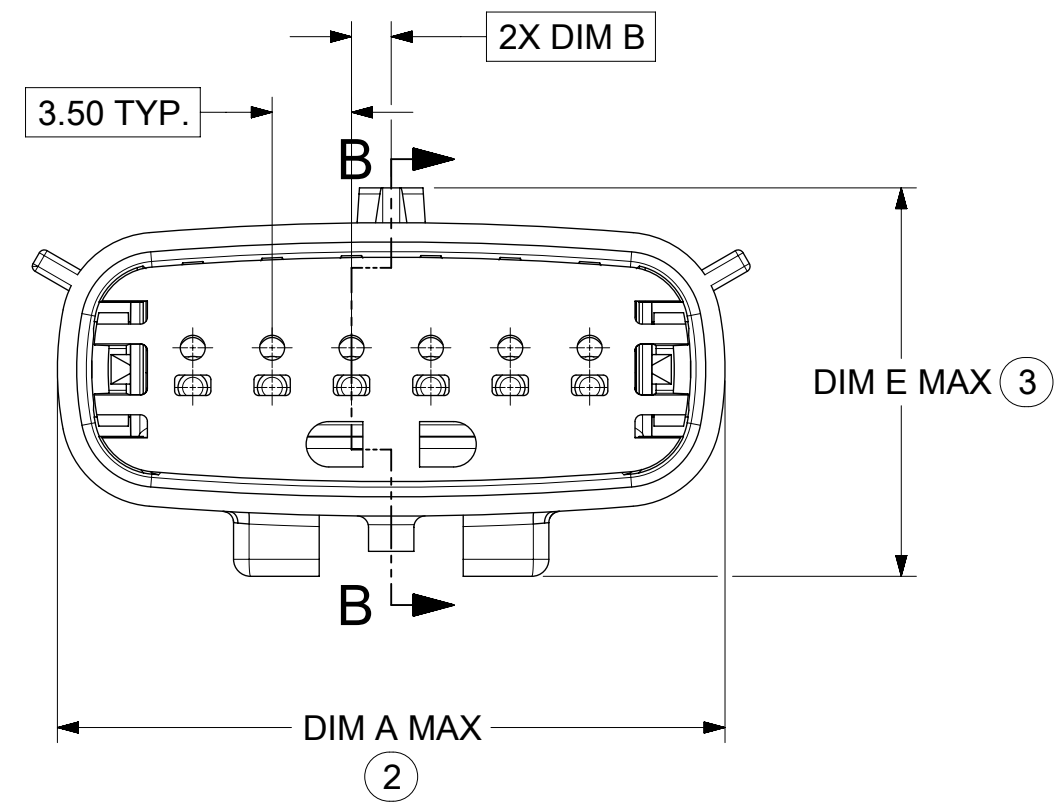


SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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	= 0	ANGULAR TOL ± 1.0 °															
	= 0	4 PLACES		±		INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14											
	= 0	3 PLACES		±													
	= 0	2 PLACES		± 0.1													
	= 0	1 PLACE		± 0.2		THIRD ANGLE PROJECTION 											
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		MATERIAL NUMBER				CUSTOMER				SHEET NUMBER							
		SEE NOTE 2a.				GENERAL MARKET				4 OF 9							

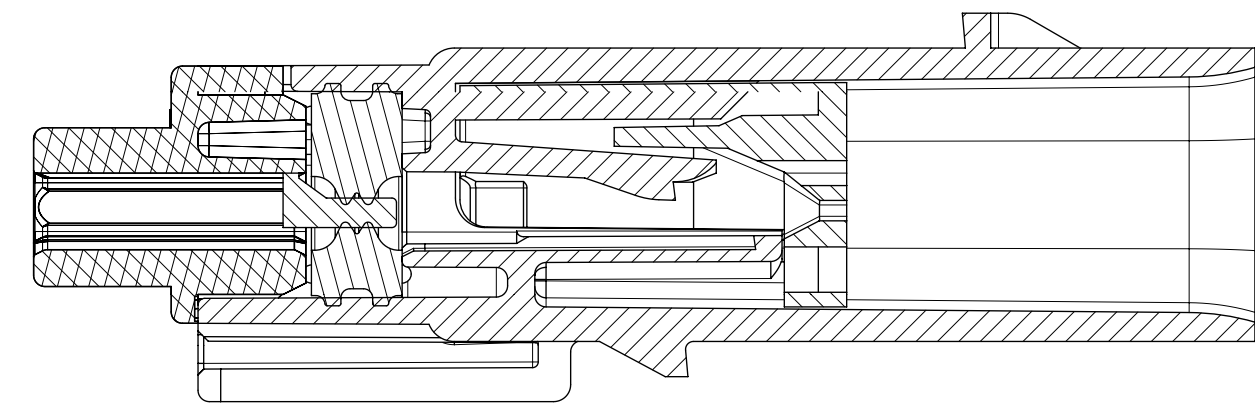
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04	15:02:02
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BLADE SEALED ASSEMBLY

CHARTED DIMENSIONS					
DESCRIPTION	DIMENSIONS				
	A	B	C	D	E
1X2	N/A	1.75	21.00	55.50	17.30
1X6	29.69	1.75	31.71	54.45	17.23



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION
SECTION B-B



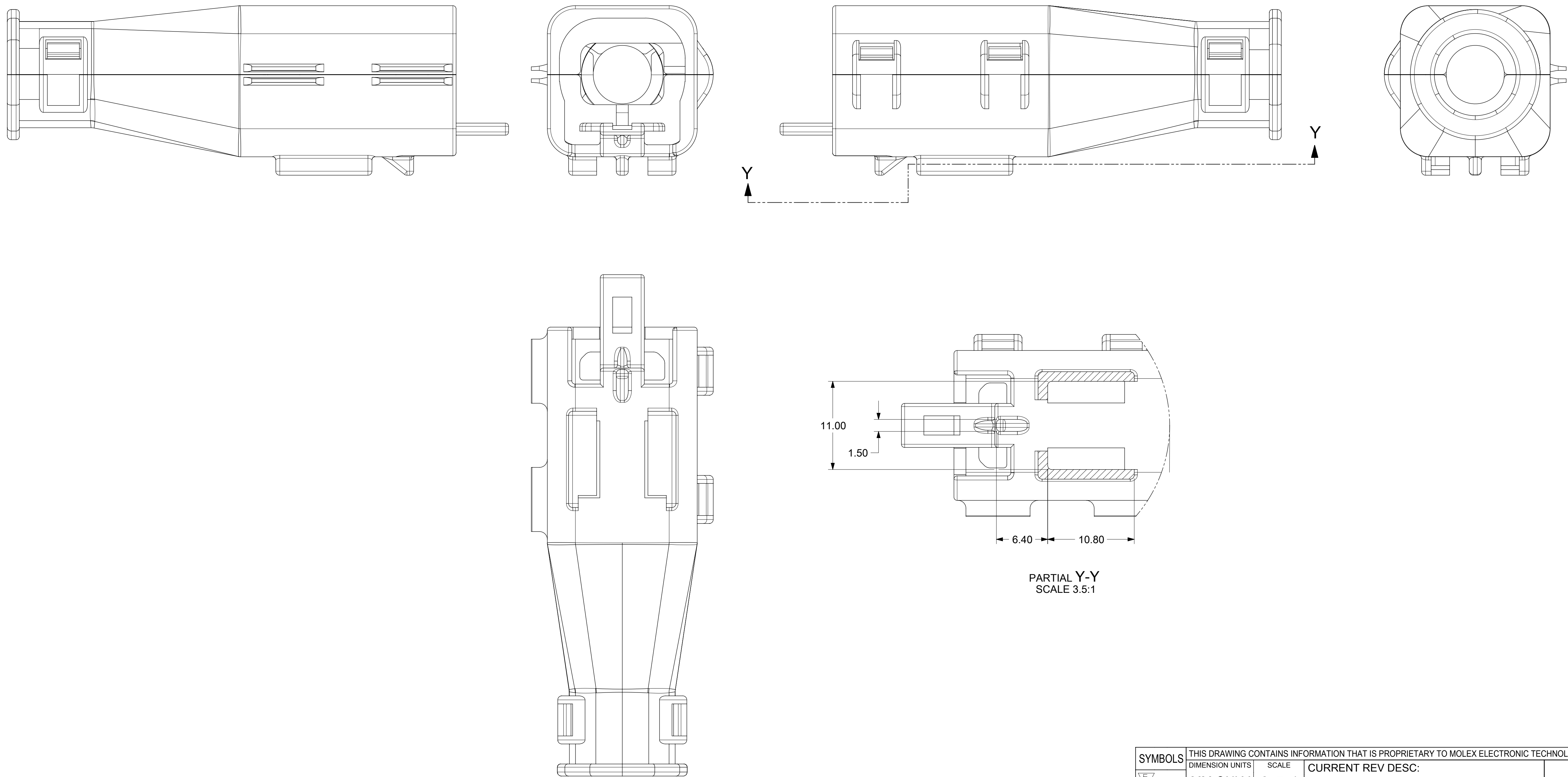
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Z-Z

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
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	= 0	ANGULAR TOL ± 1.0 °																	
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	= 0	2 PLACES		± 0.1		CHK'D: MVANSLAMBROU 2018/10/04													
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	= 0					APPR: KDEKOSKI 2016/06/14				MATERIAL NUMBER		CUSTOMER				SHEET NUMBER			
	= 0									SEE NOTE 2a.		GENERAL MARKET				5 OF 9			
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DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04	15:02:02
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BACKSHELL

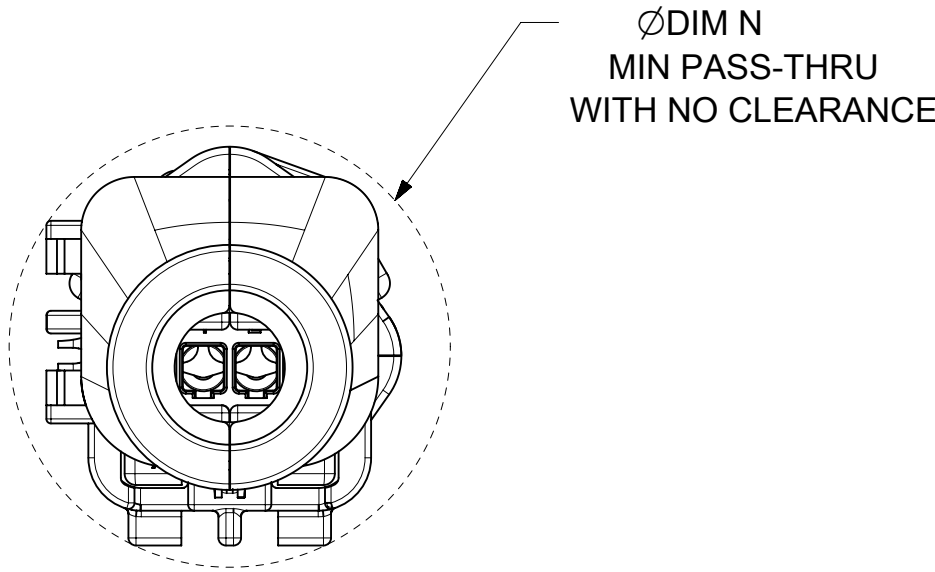
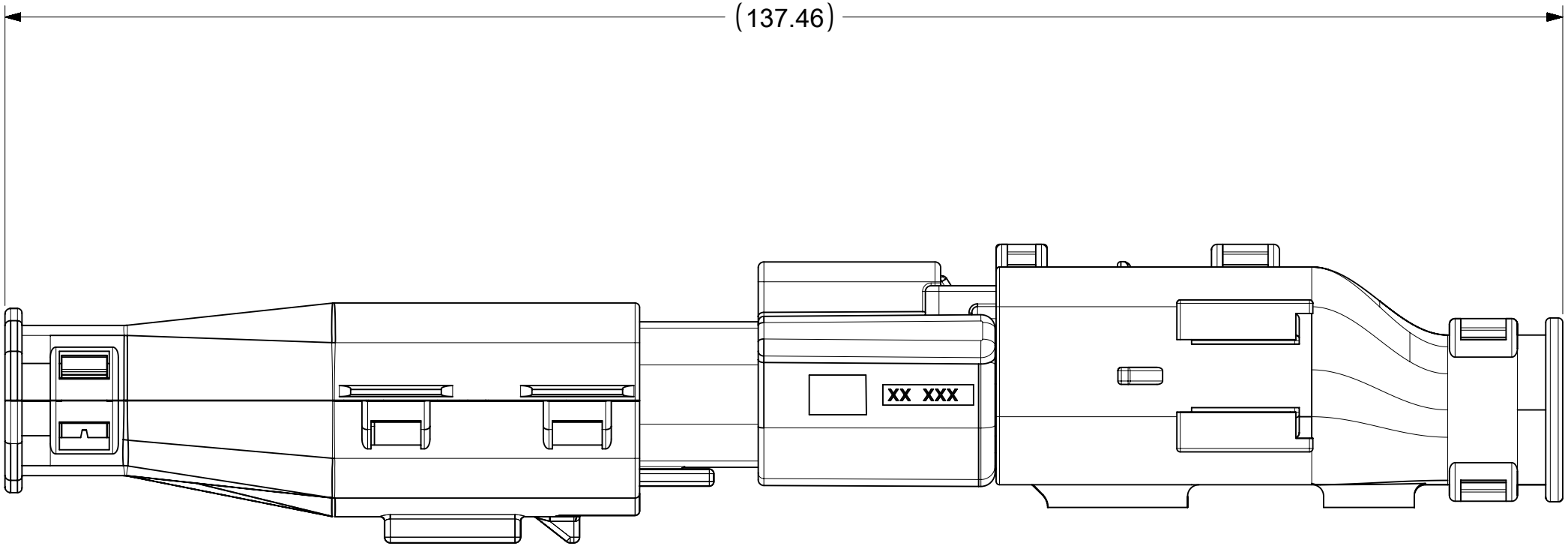


SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
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		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04				MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL					
= 0 = 0 = 0		ANGULAR TOL ± 1.0°													
= 0 = 0 = 0		4 PLACES ±				INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14				PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-33481-0001 DOC TYPE PSD DOC PART 001 REVISION A1					
= 0 = 0 = 0		3 PLACES ±													
= 0 = 0 = 0		2 PLACES ± 0.1				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 					
= 0 = 0 = 0		1 PLACE ± 0.2													
= 0 = 0 = 0		0 PLACES ±				DRAWING A1-SIZE		SERIES 33481		MATERIAL NUMBER SEE NOTE 2a.		CUSTOMER GENERAL MARKET		SHEET NUMBER 8 OF 9	

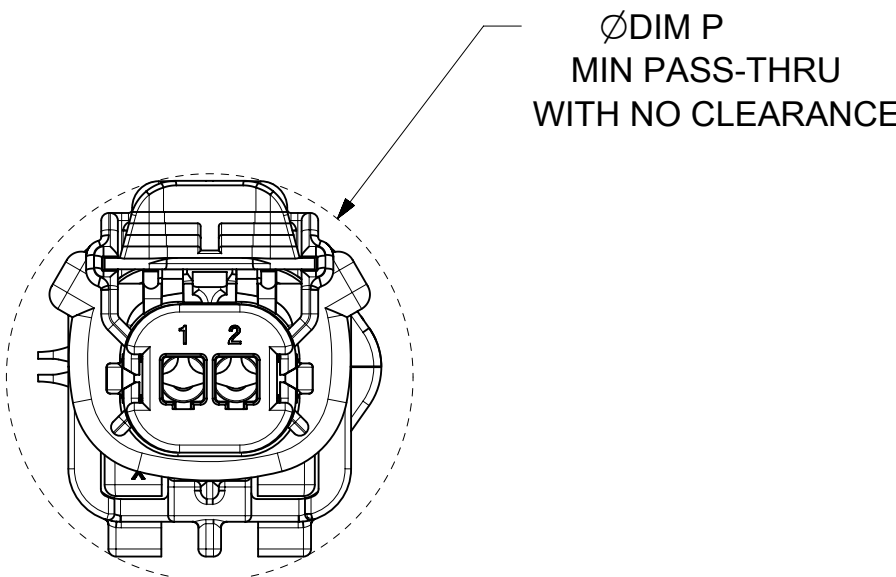
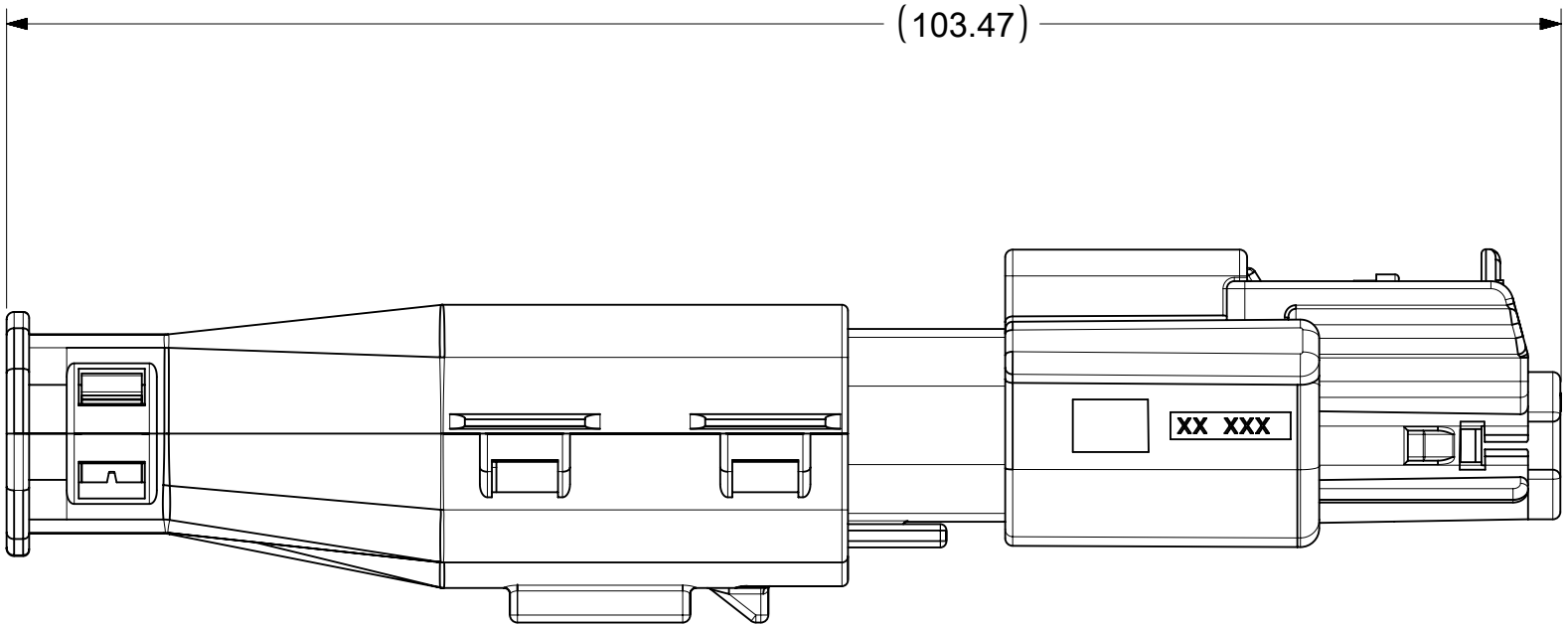
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04	15:02:02
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SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

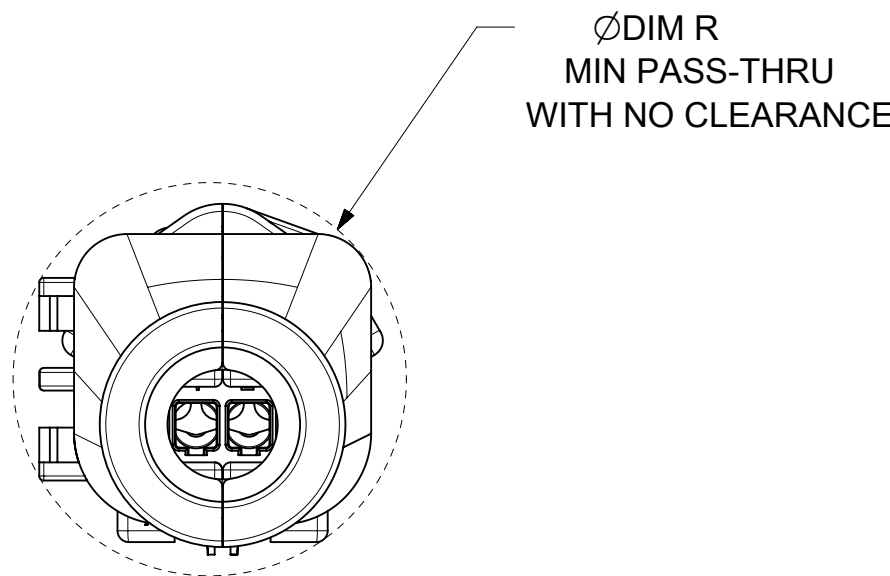
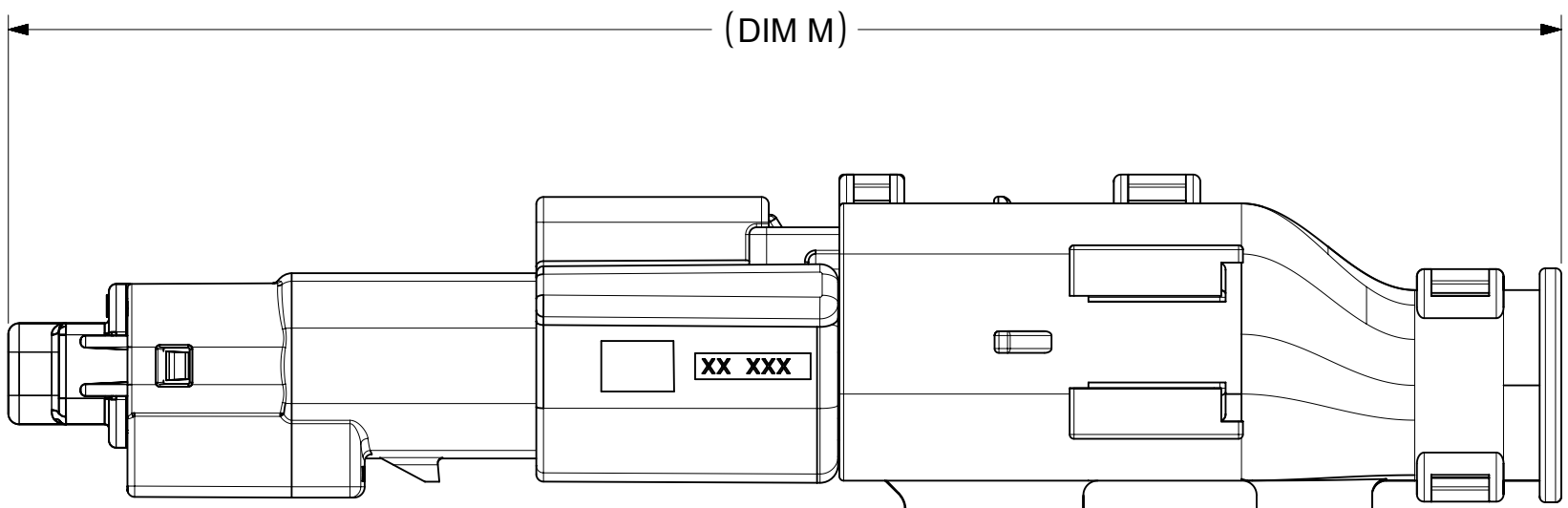
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



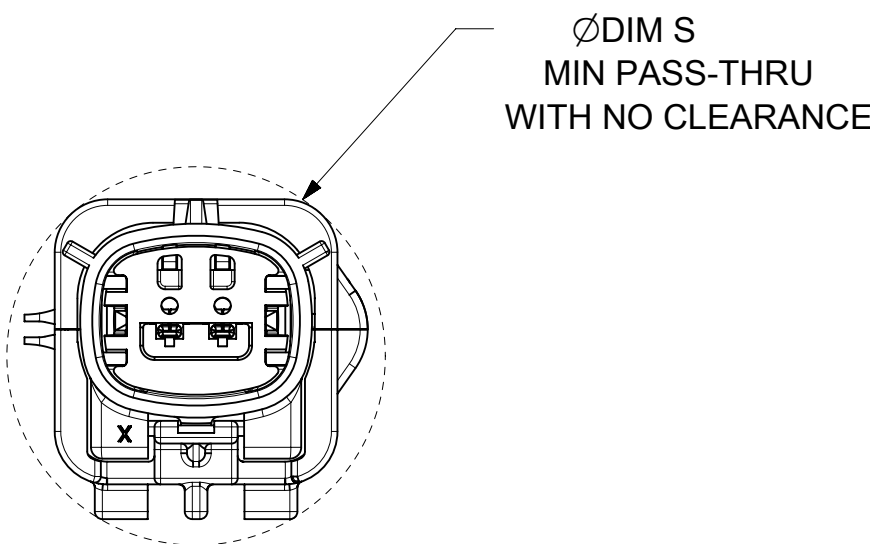
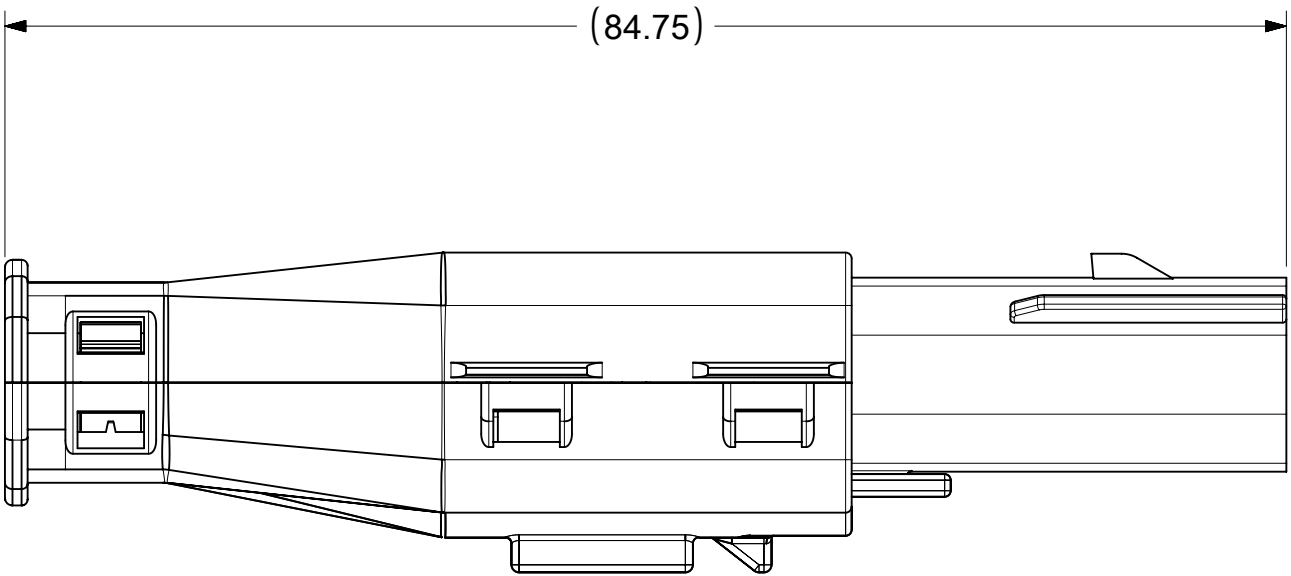
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS		SCALE		CURRENT REV DESC:						
	MM ONLY		2:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04 INITIAL REVISION: DRWN: APROFITTT 2015/07/21 APPR: KDEKOSKI 2016/06/14						
	ANGULAR TOL ± 1.0 °										
	4 PLACES ±										
	3 PLACES ±										
	2 PLACES ± 0.1										
	1 PLACE ± 0.2										
	0 PLACES ±										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		PRODUCT CUSTOMER DRAWING
				A1-SIZE		33481					
DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL			
SD-33481-0001		PSD		001		A1		MATERIAL NUMBER CUSTOMER SHEET NUMBER			
SEE NOTE 2a.		GENERAL MARKET		9 OF 9							