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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:

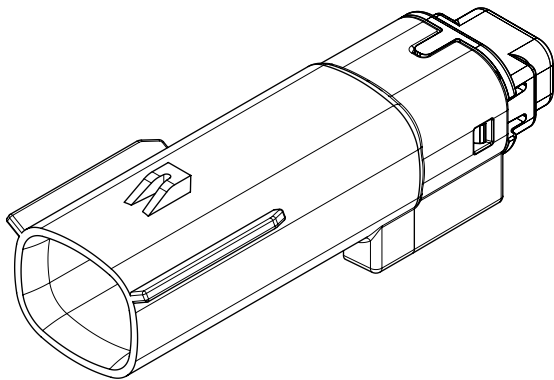
- a. FOR BILL OF MATERIALS SEE:
- STANDARD CONFIGURATION: SD-33481-0002
 - UL V0 CONFIGURATION: SD-160106-0002

3. DESIGN - GEOMETRY:

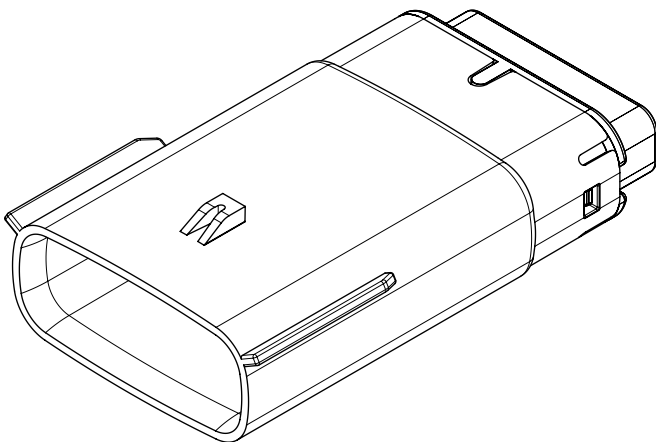
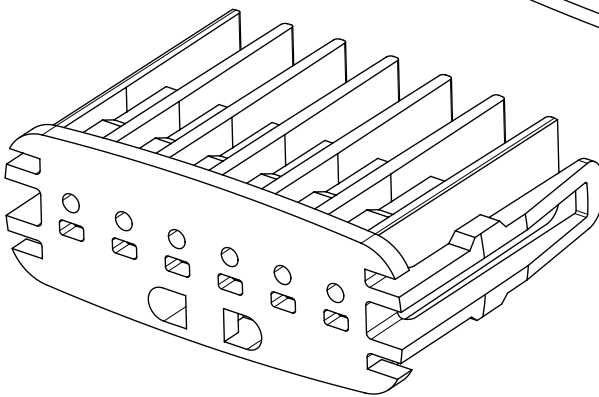
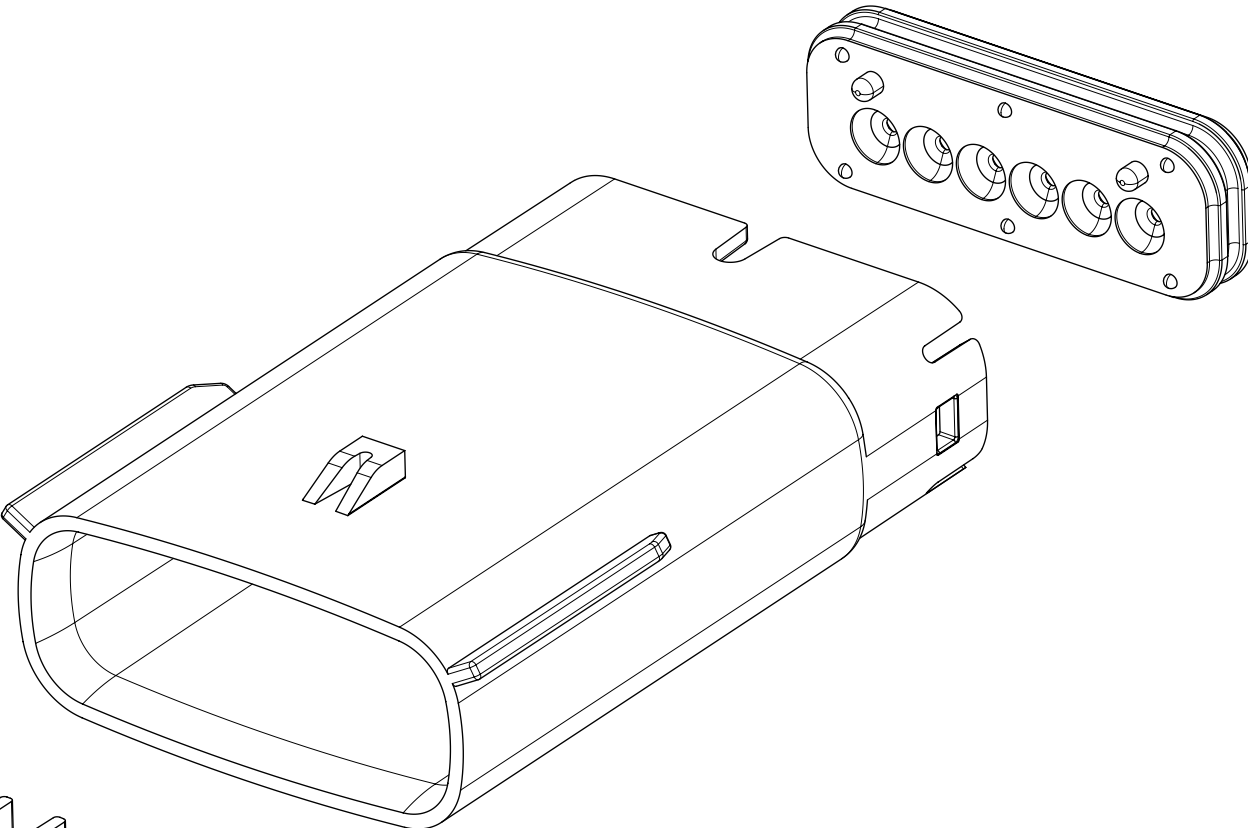
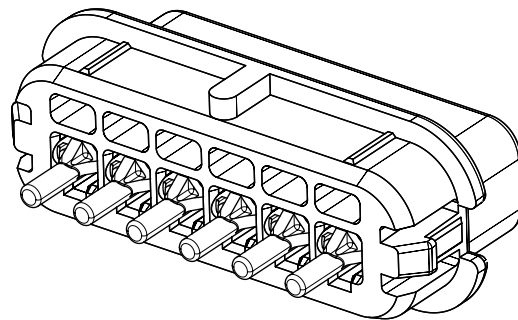
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED 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			
A			
2			
1			
REV			

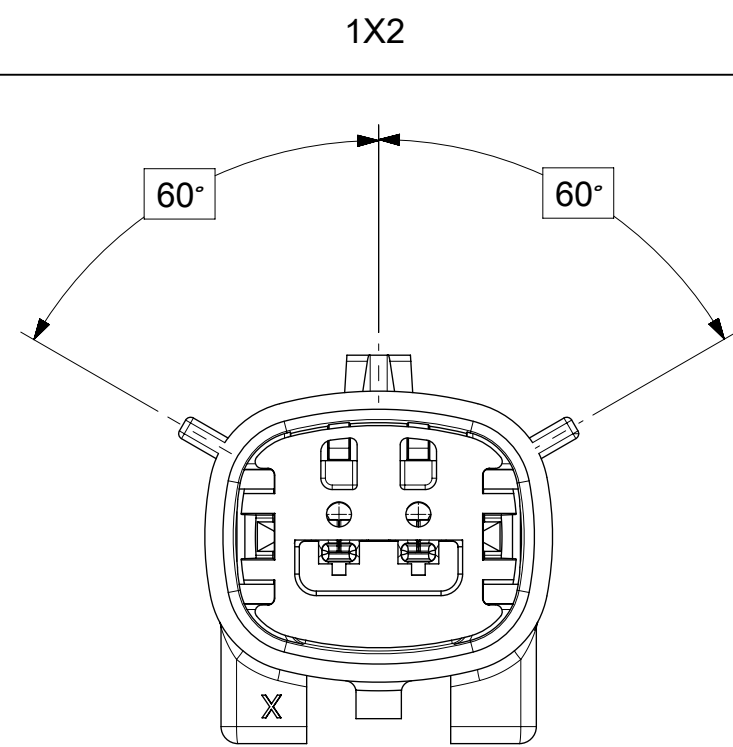
NX REMASTERING , CHANGE PS
DRAWING NUMBER FROM
PS-160105-0001 TO PS-160074-0001 IN
NOTES 1.b

MINOR GEOMETRY CHANGE FOR UL V0
UPDATED VIEWSETS
INITIAL RELEASE

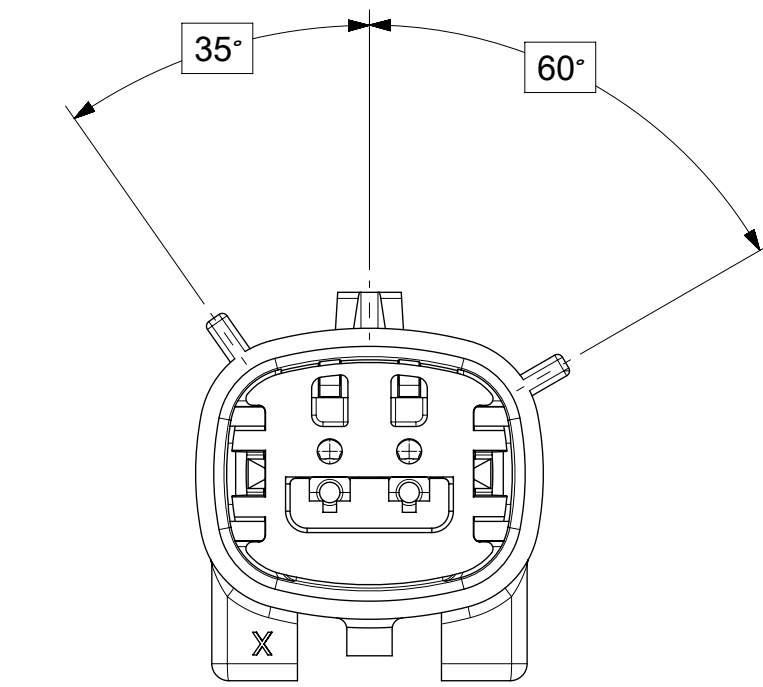
REV DESCRIPTION

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= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		PRODUCT CUSTOMER DRAWING			
= 0	ANGULAR TOL ± 1.0 °					
= 0	4 PLACES	±	DOCUMENT NUMBER			
= 0	3 PLACES	±				
= 0	2 PLACES	± 0.1	DOC TYPE			
= 0	1 PLACE	± 0.2				
= 0	0 PLACES	±	DOC PART			
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
= 0	THIRD ANGLE PROJECTION		REVISION			
= 0	DRAWING					
	SERIES		SD-33481-0001			
	A1-SIZE					
	33481		SEE NOTE 2a.			
			GENERAL MARKET			
			SHEET NUMBER			
			1 OF 9			

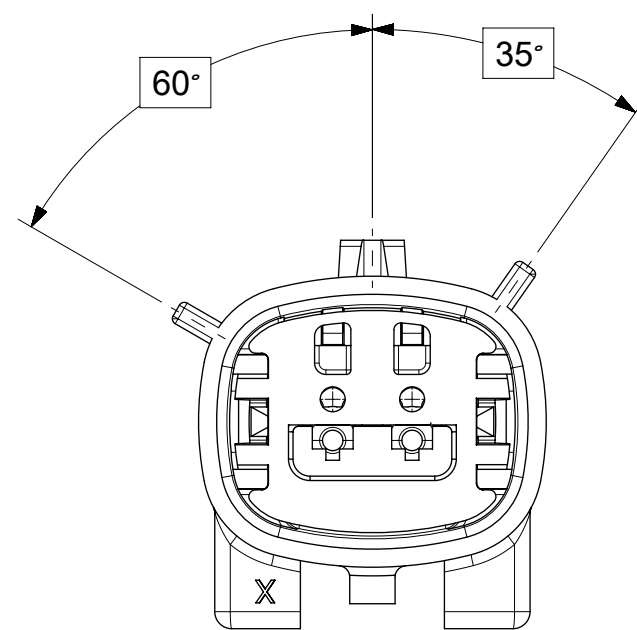
SHEET DESCRIPTION
KEY CONFIGURATIONS



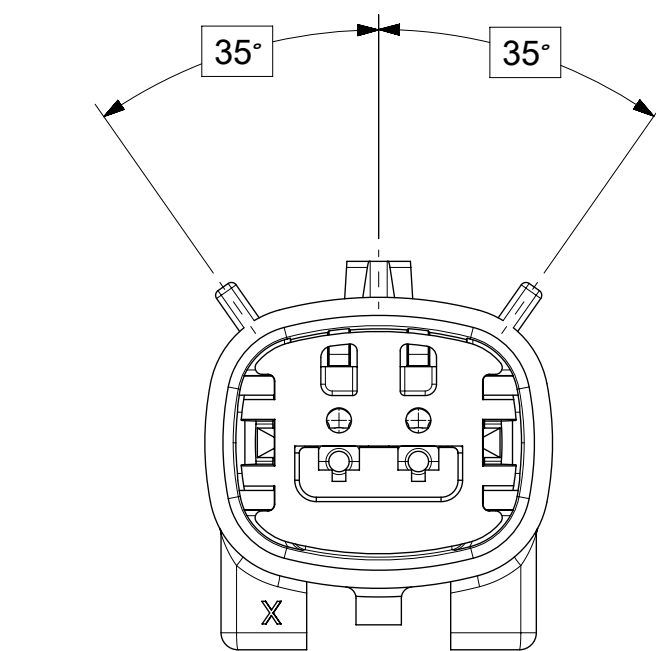
KEY A



KEY B



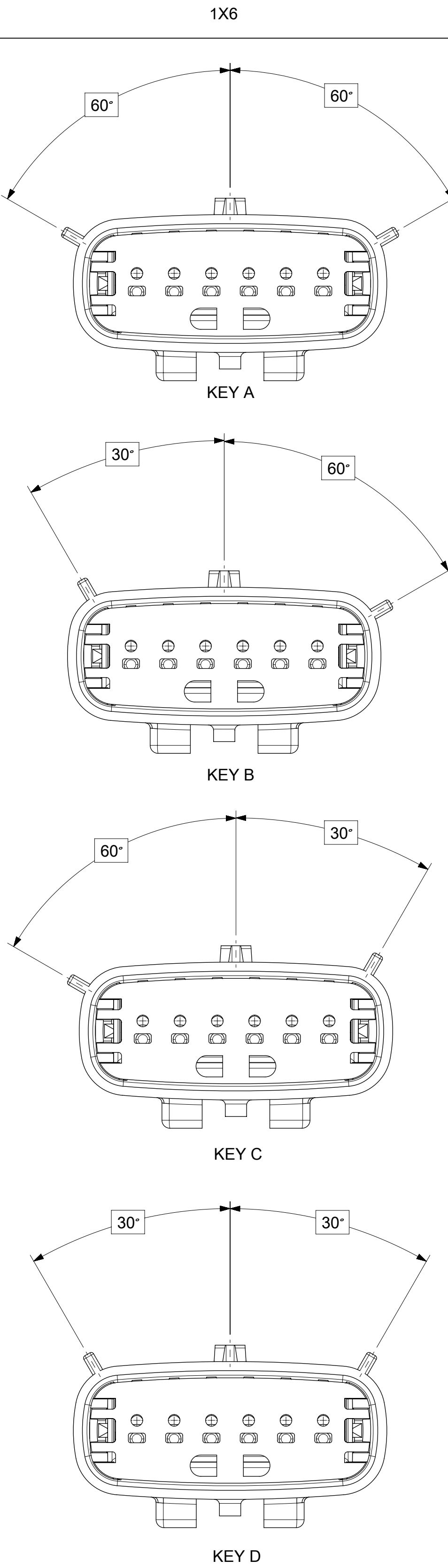
KEY C



KEY D

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MM ONLY		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 1.0 °											
4 PLACES ±				EC NO: 602373							
3 PLACES ±				DRWN: DSHETTY01		2018/05/25					
2 PLACES ± 0.1				CHK'D: MVANSLAMBROU		2018/10/04					
1 PLACE ± 0.2				APPR: MVANSLAMBROU		2018/10/04					
0 PLACES ±				INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: APROFFITT		2015/07/21					
				APPR: KDEKOSKI		2016/06/14					
				THIRD ANGLE PROJECTION		DRAWING		SERIES			
						A1-SIZE		33481			

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									
DIMENSION UNITS		SCALE	CURRENT REV DESC:									
	= 0	MM ONLY										
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04									
	= 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	THIRD ANGLE PROJECTION 									
	= 0	1 PLACE ± 0.2										
	= 0	0 PLACES ±	DRAWING SERIES A1-SIZE 33481									
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
	= 0		MATERIAL NUMBER CUSTOMER SHEET NUMBER SEE NOTE 2a. GENERAL MARKET 4 OF 9									

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
SD-33481-0001

DOC TYPE
PSD

DOC PART
001

REVISION
A1

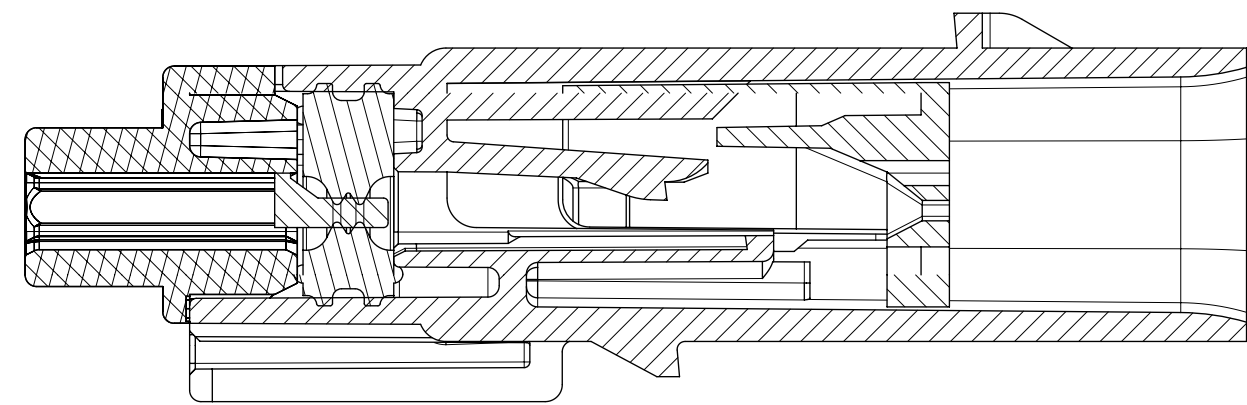
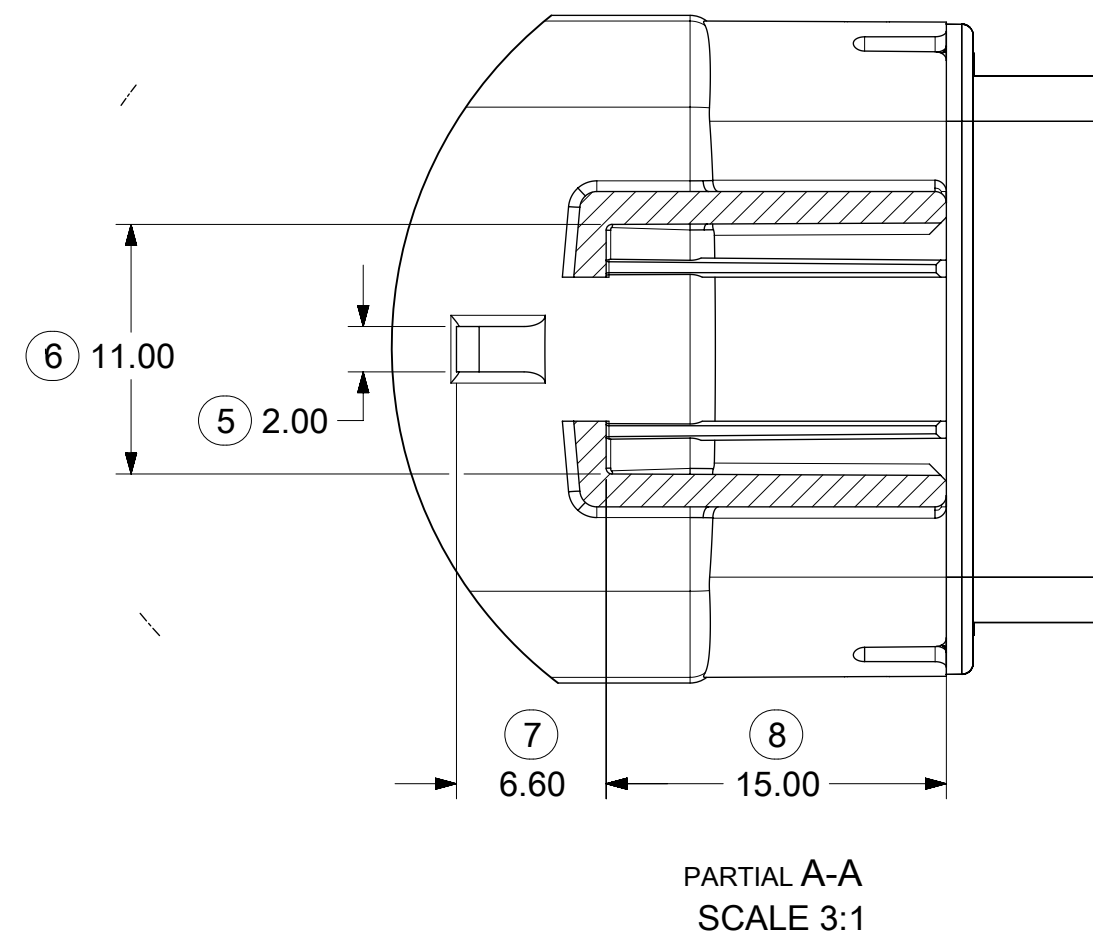
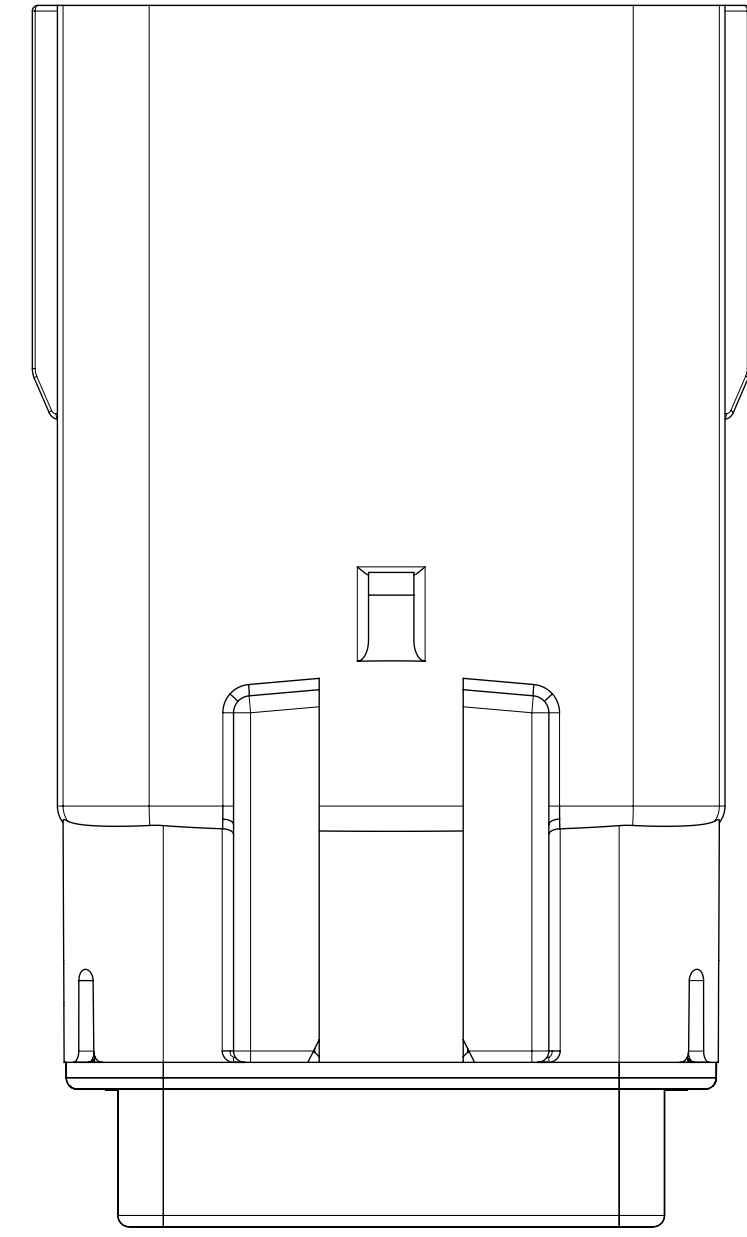
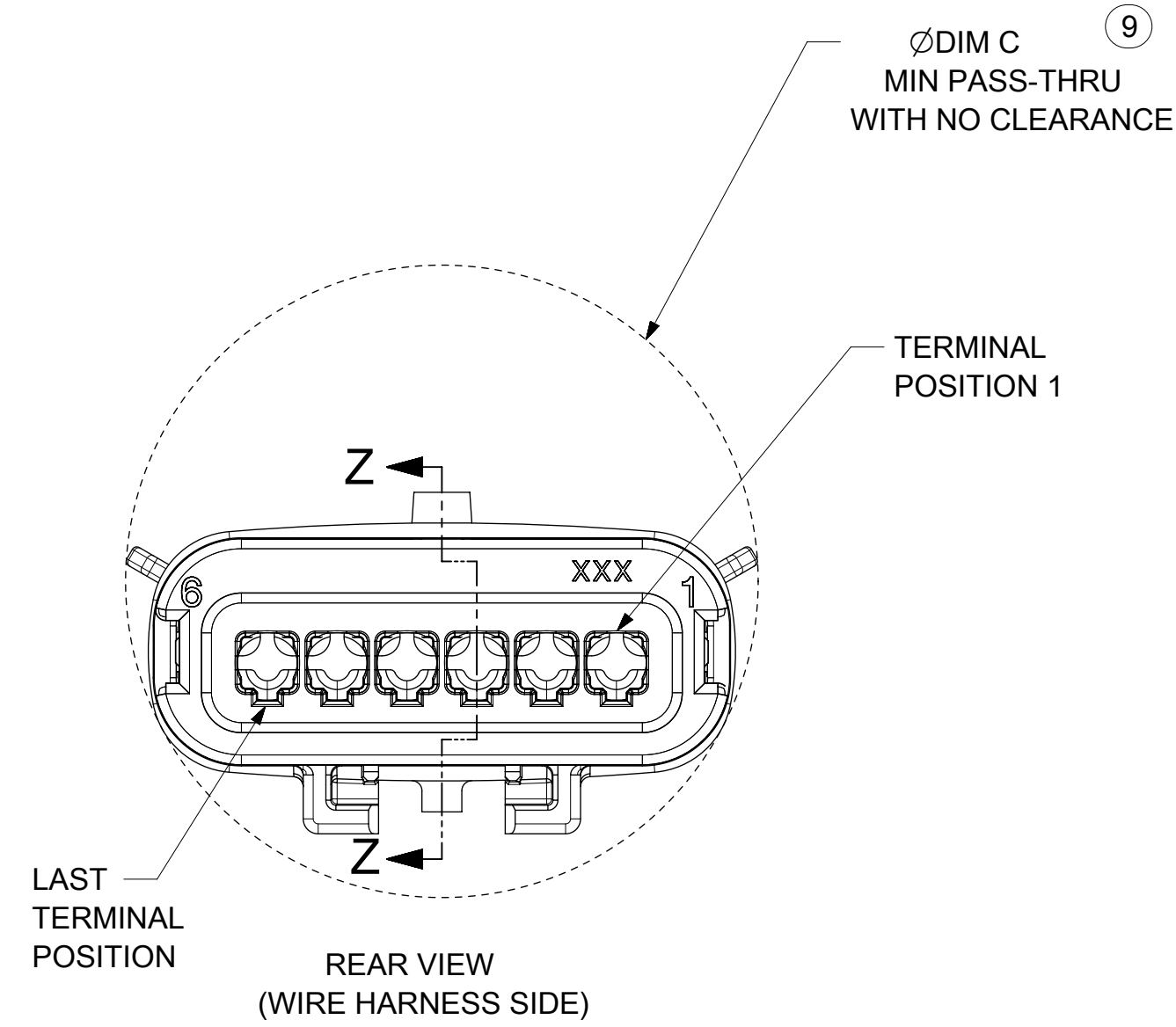
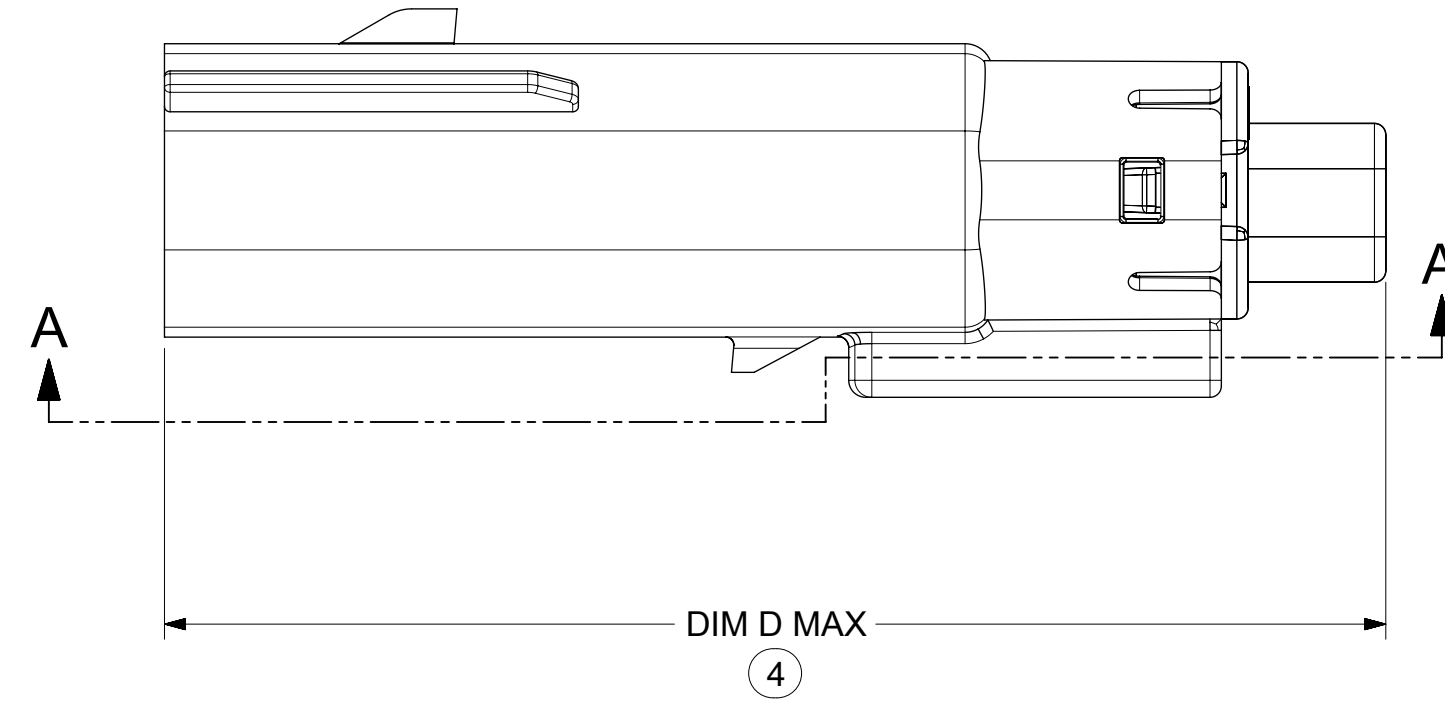
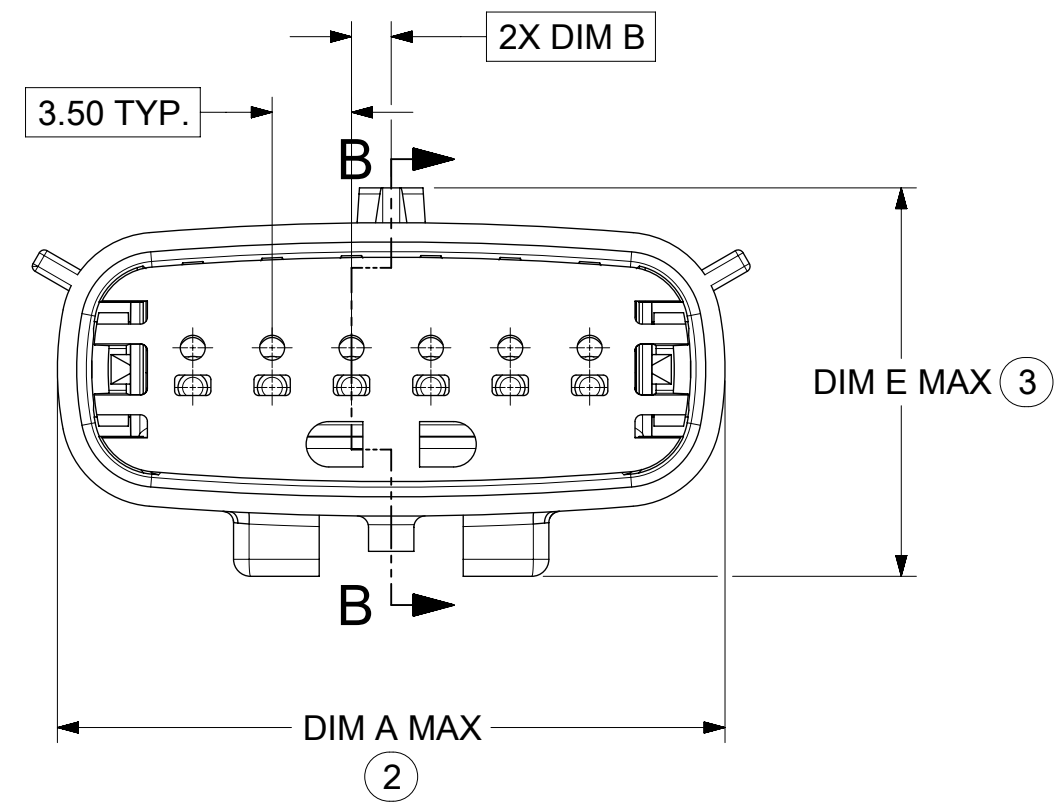
CUSTOMER
GENERAL MARKET

SHEET NUMBER
4 OF 9

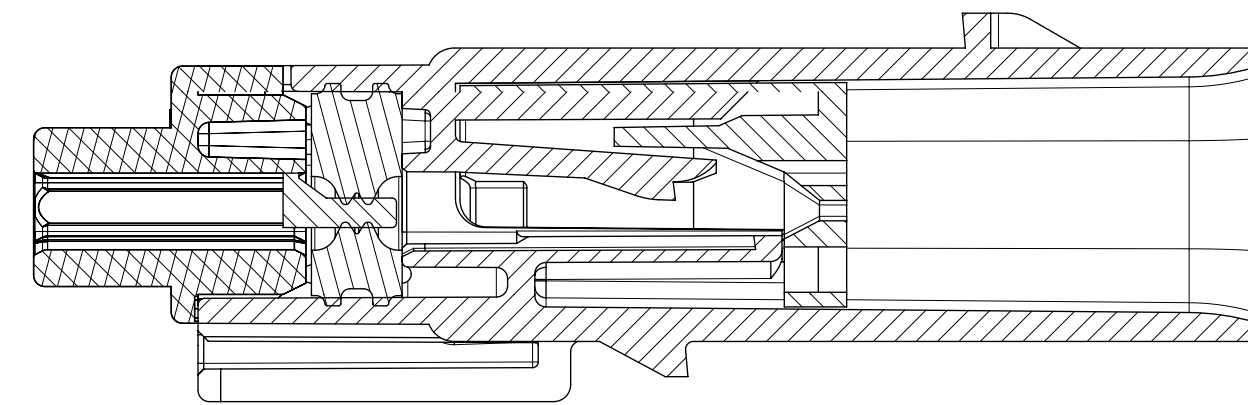
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02
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BLADE SEALED ASSEMBLY

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

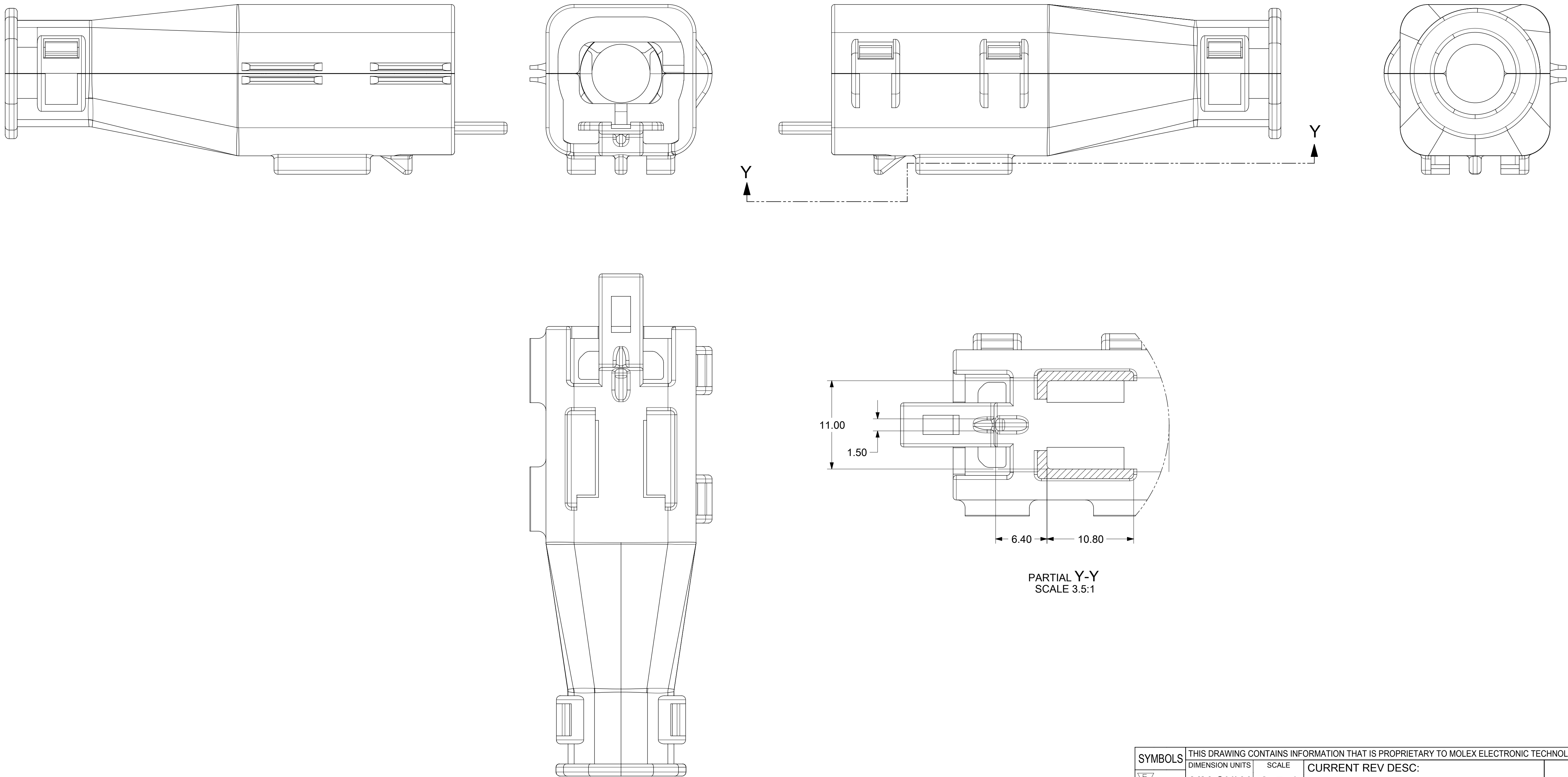
SECTION Z-Z

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MM ONLY		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)								MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL			
ANGULAR TOL ± 1.0 °											
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	= 0	3 PLACES	±								
	= 0	2 PLACES	± 0.1	INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14				DOCUMENT NUMBER DOC TYPE DOC PART REVISION SD-33481-0001 PSD 001 A1			
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DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04	15:02:02
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SHEET DESCRIPTION

BACKSHELL



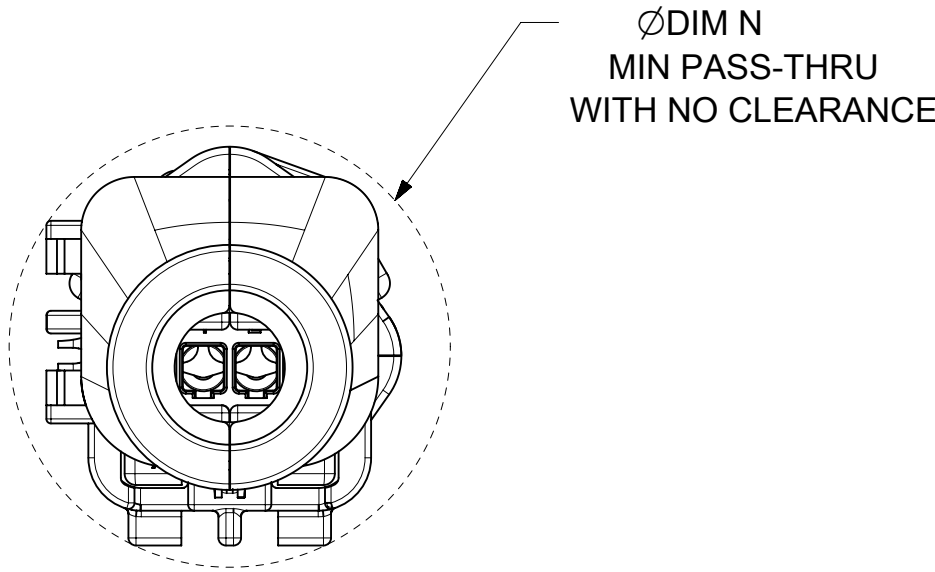
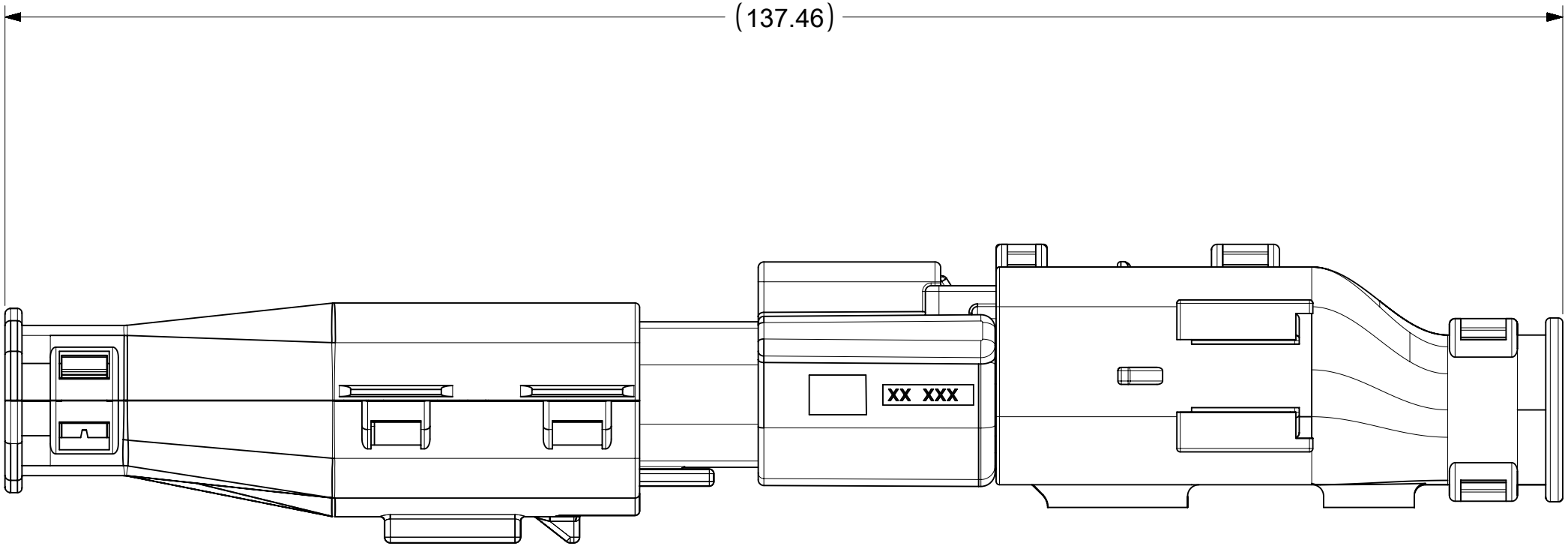
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	= 0	4 PLACES	±				
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	= 0	2 PLACES	± 0.1	THIRD ANGLE PROJECTION 			
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				SHEET NUMBER 8 OF 9			

PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

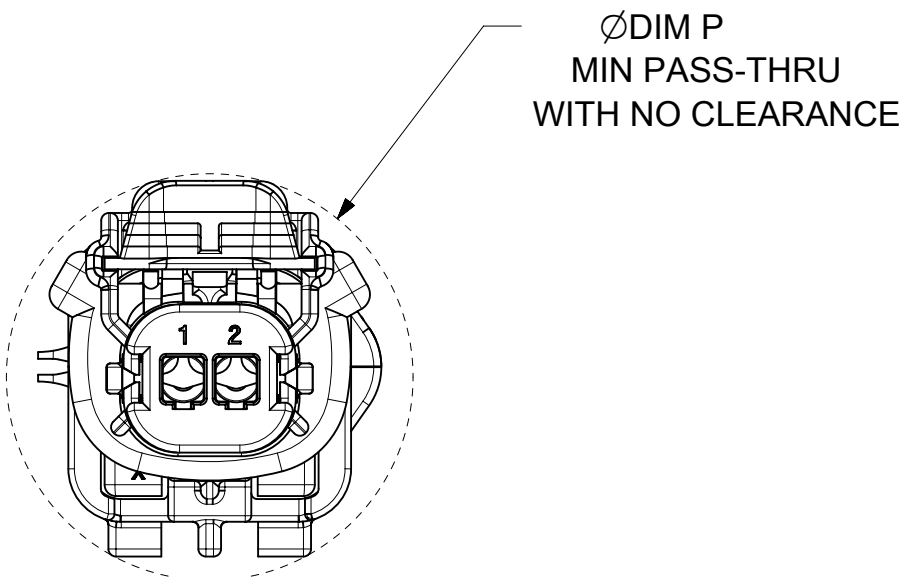
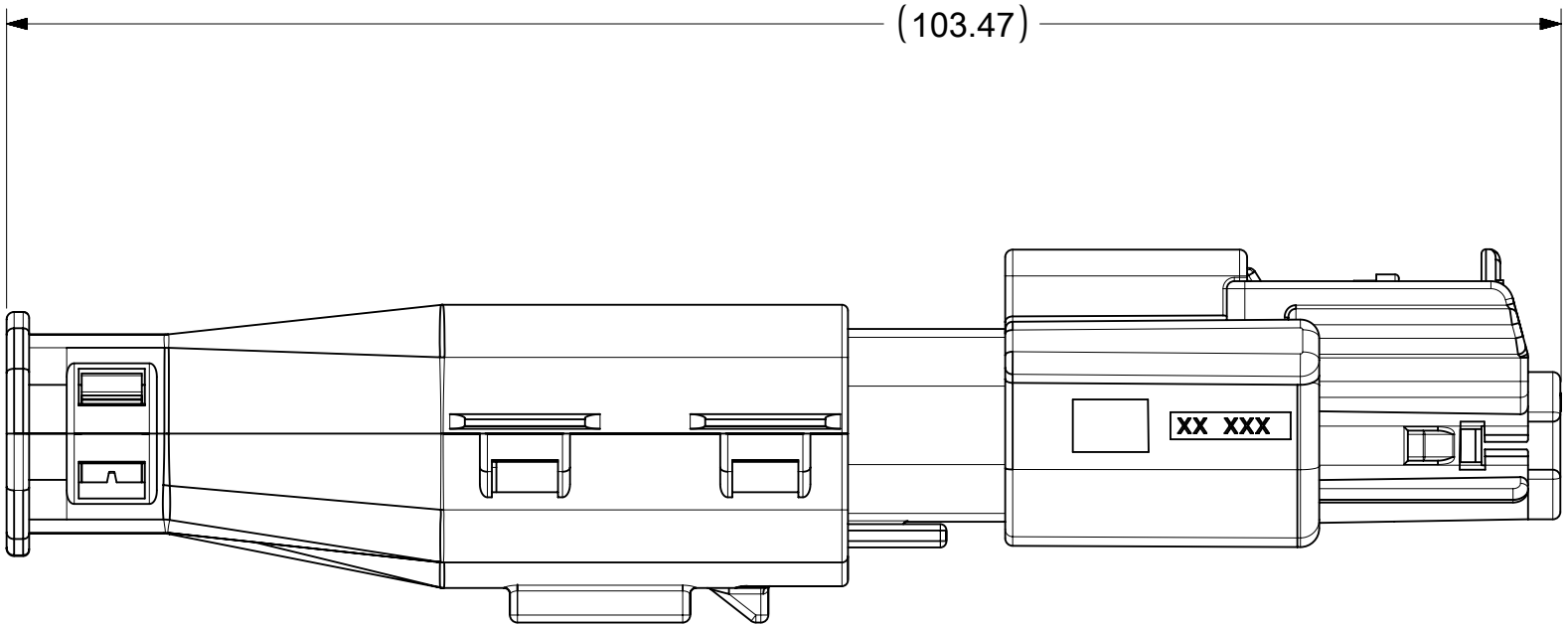
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SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

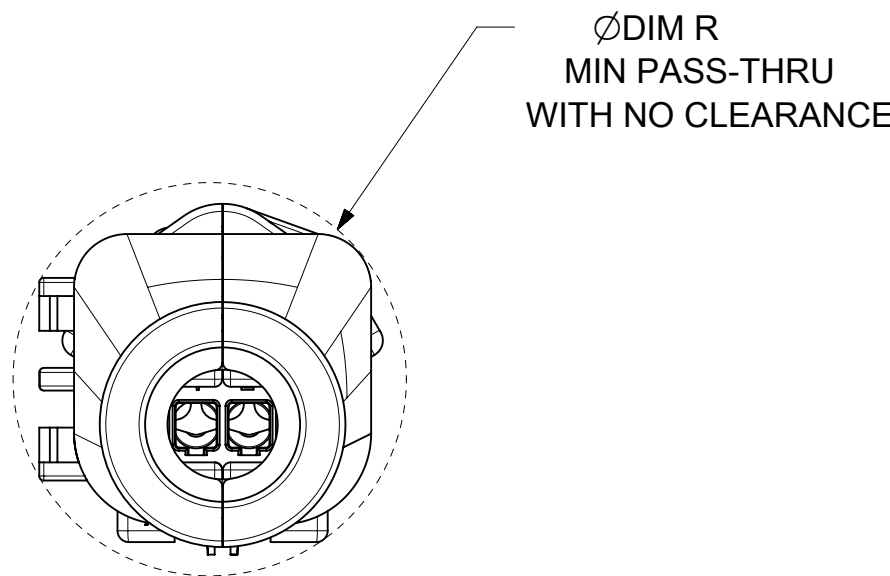
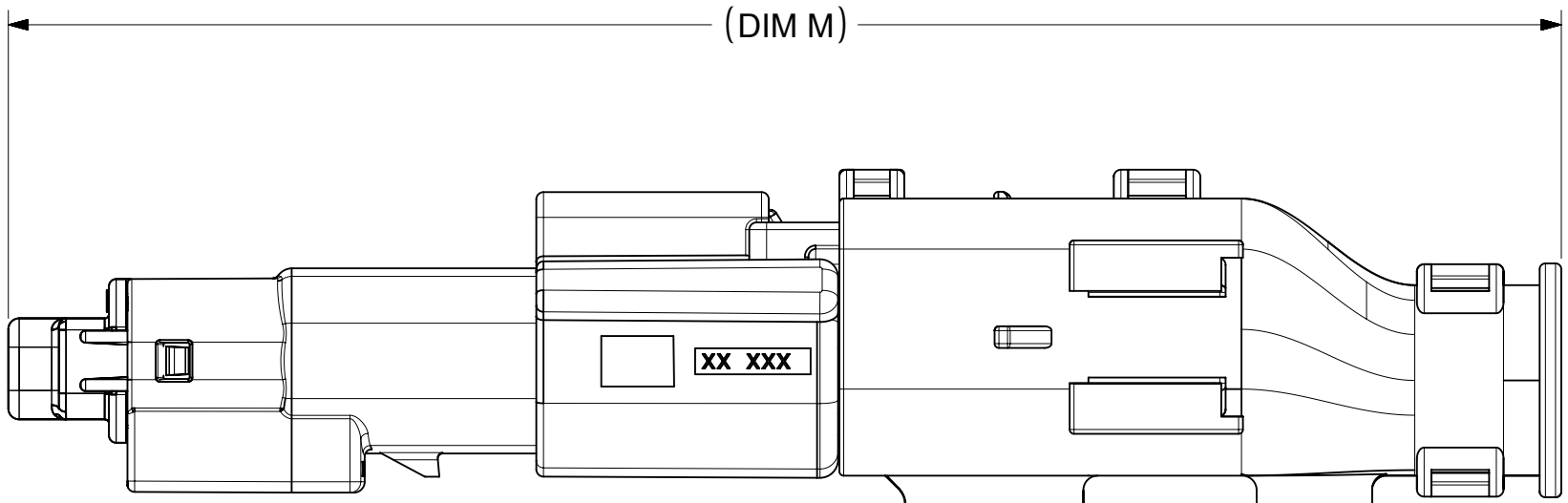
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



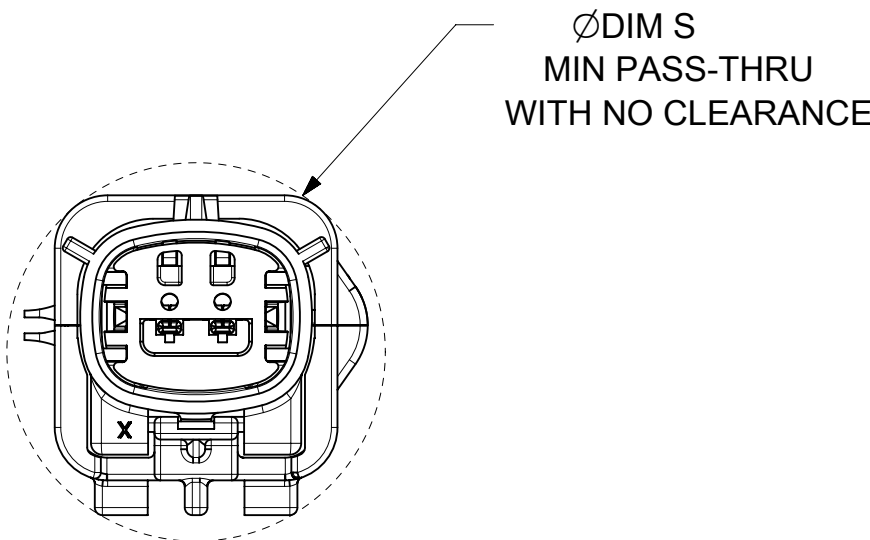
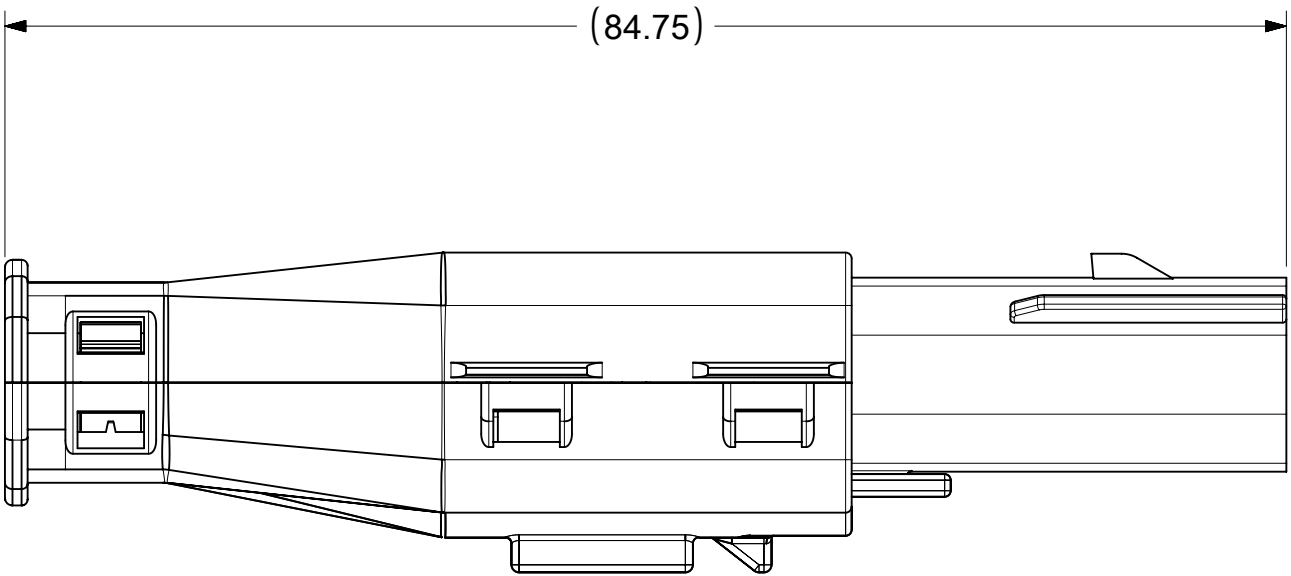
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



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															
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	MM ONLY		2:1													
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DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04	15:02:02
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