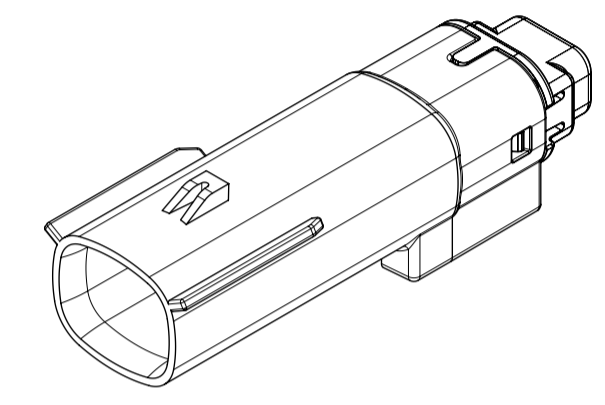


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3-4	KEY CONFIGURATIONS
5	BLADE SEALED ASSEMBLY
6	SYSTEM PACKAGING
7	BACKSHELL NOTES
8	BACKSHELL
9	BACKSHELL CONFIGURATIONS

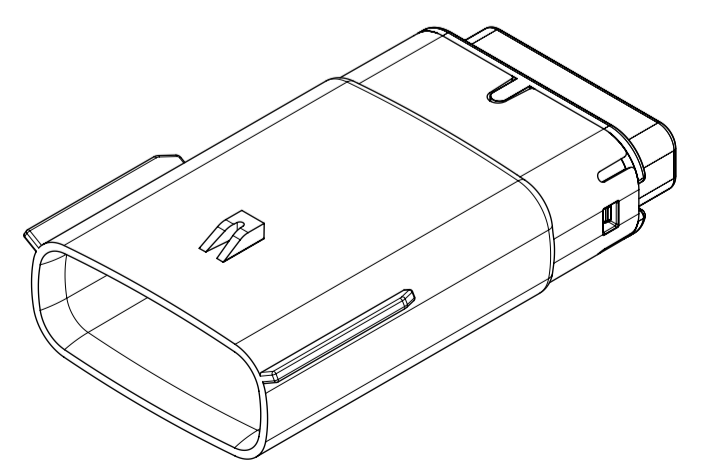
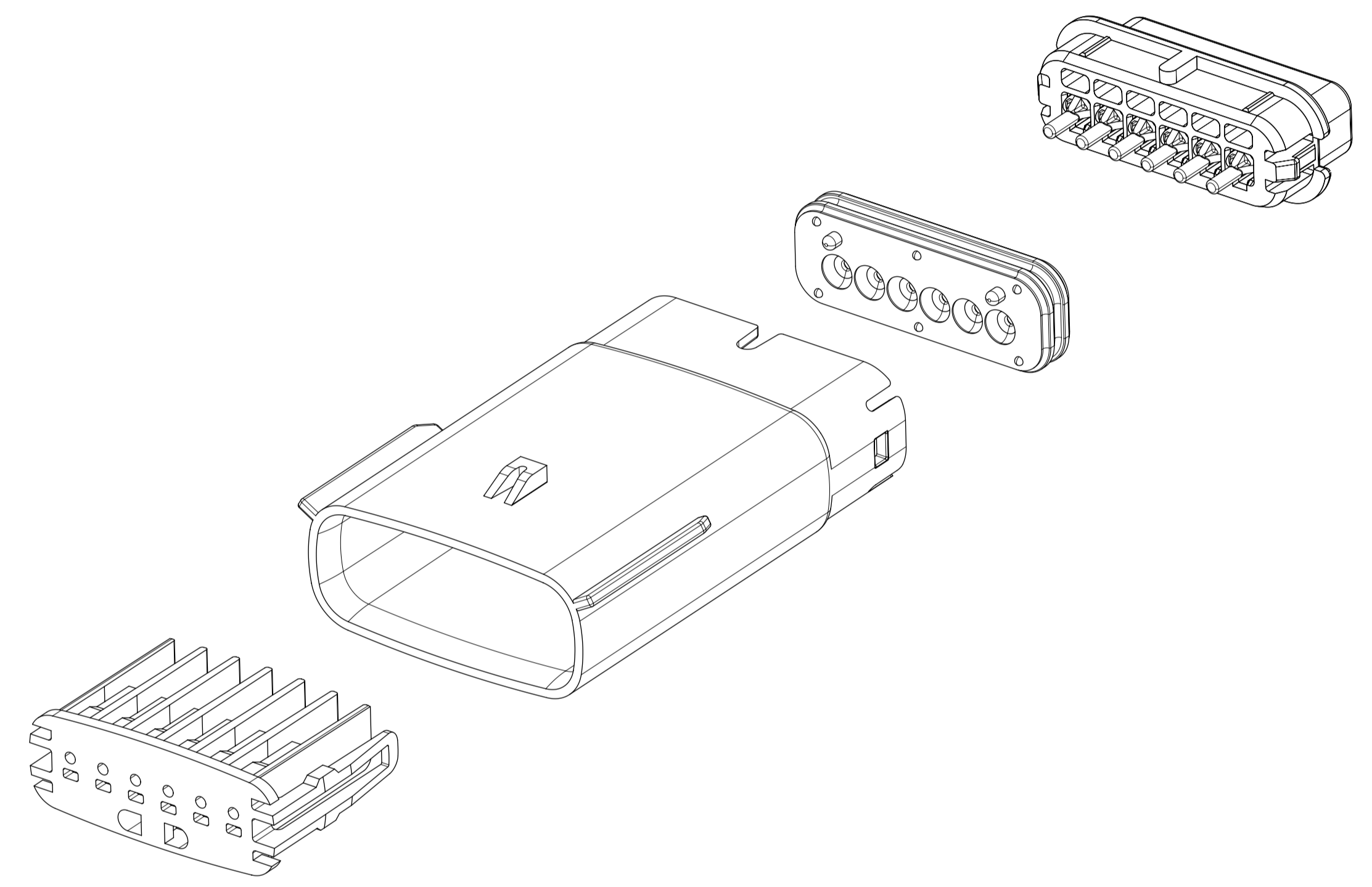
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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:
1. PART NUMBER
  2. DAY OF THE YEAR
  3. SHIFT
  4. 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

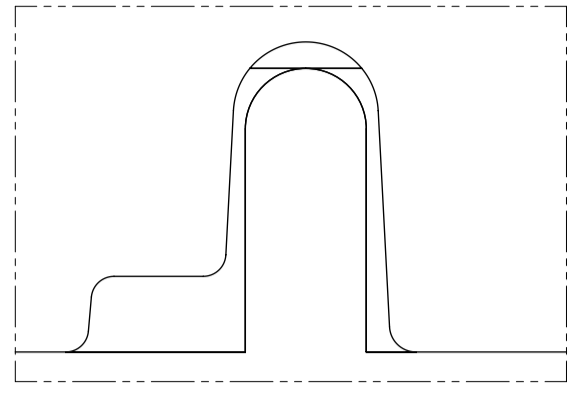


1X6

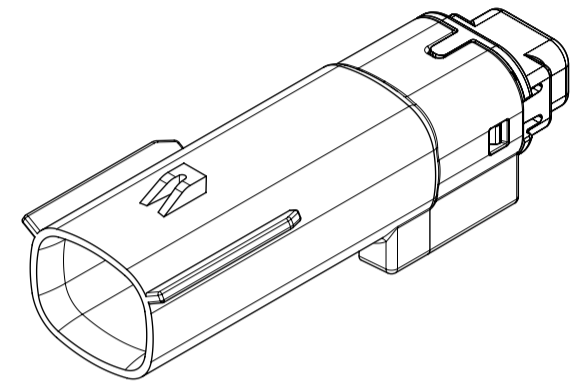
INSPECTION NUMBER LOG	
LAST NUMBER: 9	ADDED:
REMOVED:	REV
A1	NX REMASTERING , CHANGE PS DRAWING NUMBER FROM PS-160105-0001 TO PS-160074-0001 IN NOTES 1.b
A	MINOR GEOMETRY CHANGE FOR UL V0
2	UPDATED VIEWSETS
1	INITIAL RELEASE
REV	REV DESCRIPTION

<b>SYMBOLS</b> = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>MM ONLY</b> SCALE: <b>1.5:1</b>	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	 MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL PRODUCT CUSTOMER DRAWING	
	GENERAL TOLERANCES (UNLESS SPECIFIED) 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: <b>A1-SIZE</b> SERIES: <b>33481</b>	DOCUMENT NUMBER: <b>SD-33481-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: <b>A1</b>	MATERIAL NUMBER: SEE NOTE 2a. CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 9
	DOCUMENT STATUS: P1 RELEASE DATE: 2018/10/04 15:02:02	MOLEX ELECTRONIC TECHNOLOGIES, LLC 1300 N. GARDEN AVENUE AVONDALE, MA 01901 TEL: 978-676-8000 FAX: 978-676-8001 WWW.MOLEX.COM		
	18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			

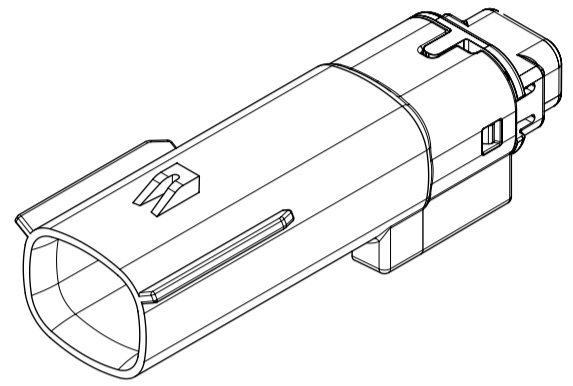
**SHEET DESCRIPTION**  
CONFIGURATIONS



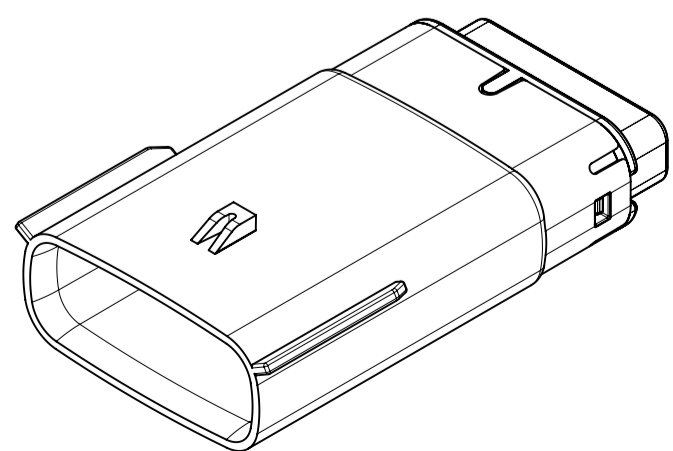
UL V0 UNIQUE FEATURE  
Partial1  
SCALE 10:1



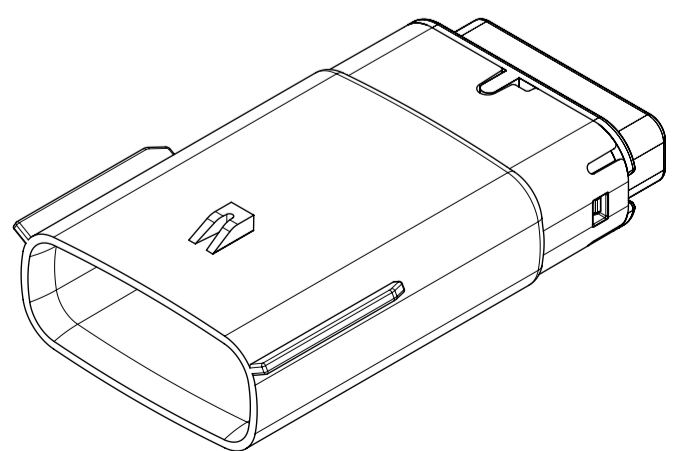
1x2 - STD



1X2 - UL V0\*



1x6 - STD

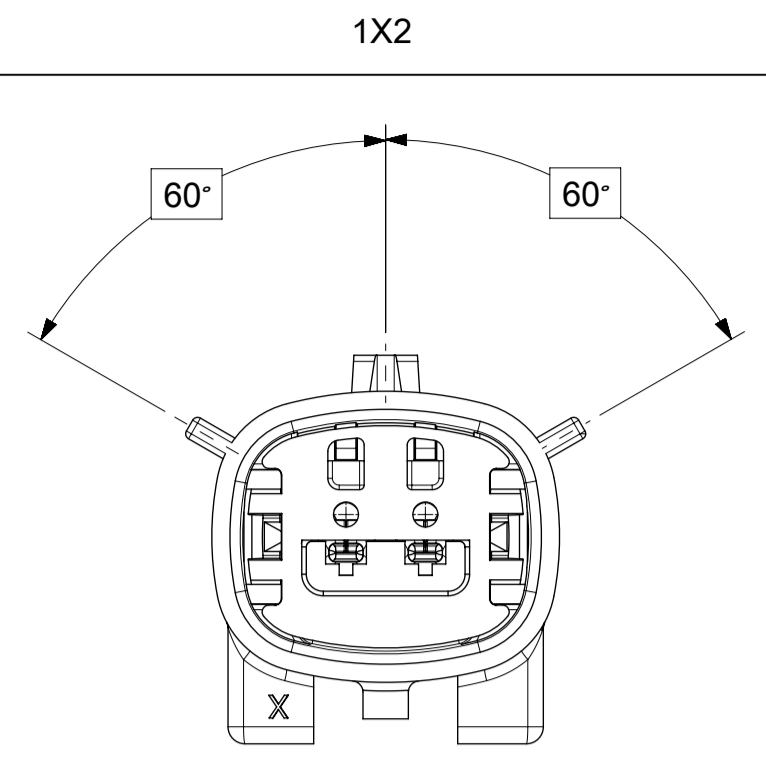


1x6 - UL V0\*

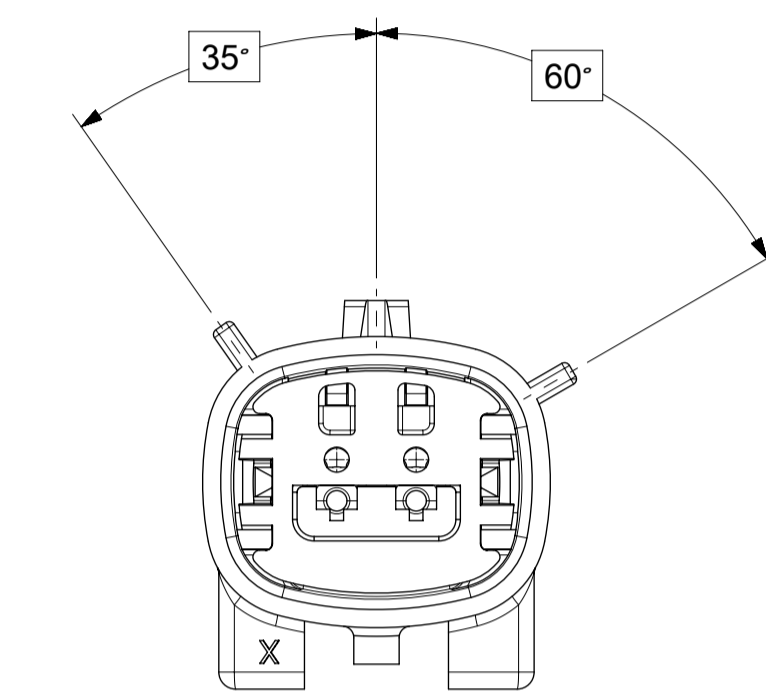
\* MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION.  
SEE NOTES 1 & 2 FOR MORE INFORMATION

<b>SYMBOLS</b> = 0 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>MM ONLY</b> SCALE: <b>1.5:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) 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	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	  MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL  PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: <b>SD-33481-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: <b>A1</b> MATERIAL NUMBER: SEE NOTE 2a. CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 9
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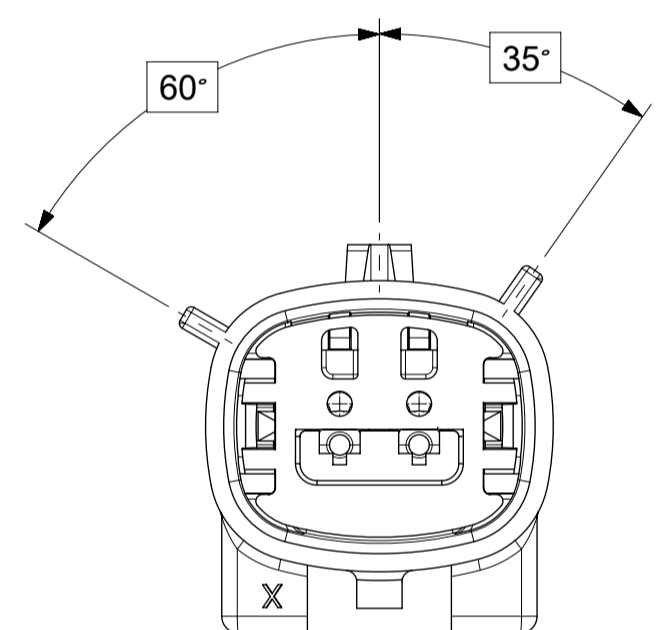
**SHEET DESCRIPTION**  
KEY CONFIGURATIONS



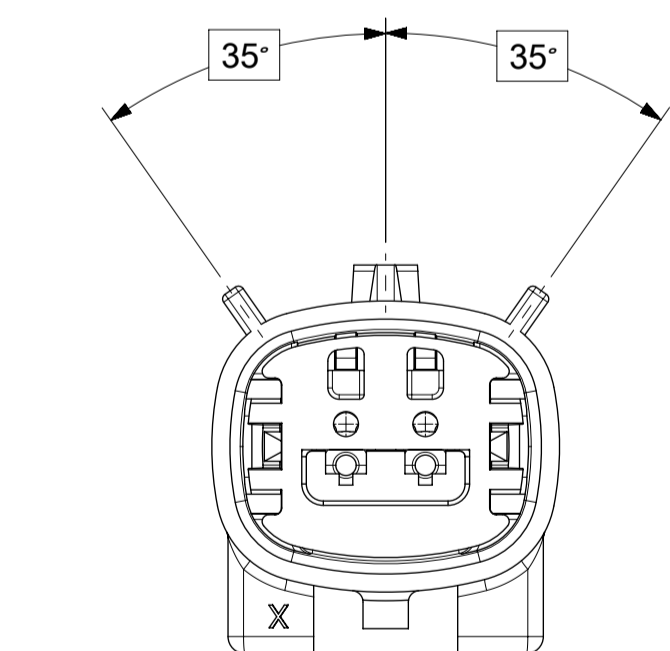
KEY A



KEY B



KEY C



KEY D

<b>SYMBOLS</b> = 0 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>MM ONLY</b> SCALE: <b>3:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) 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	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	  MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL  PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: <b>SD-33481-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: <b>A1</b> MATERIAL NUMBER: SEE NOTE 2a. CUSTOMER: GENERAL MARKET SHEET NUMBER: 3 OF 9
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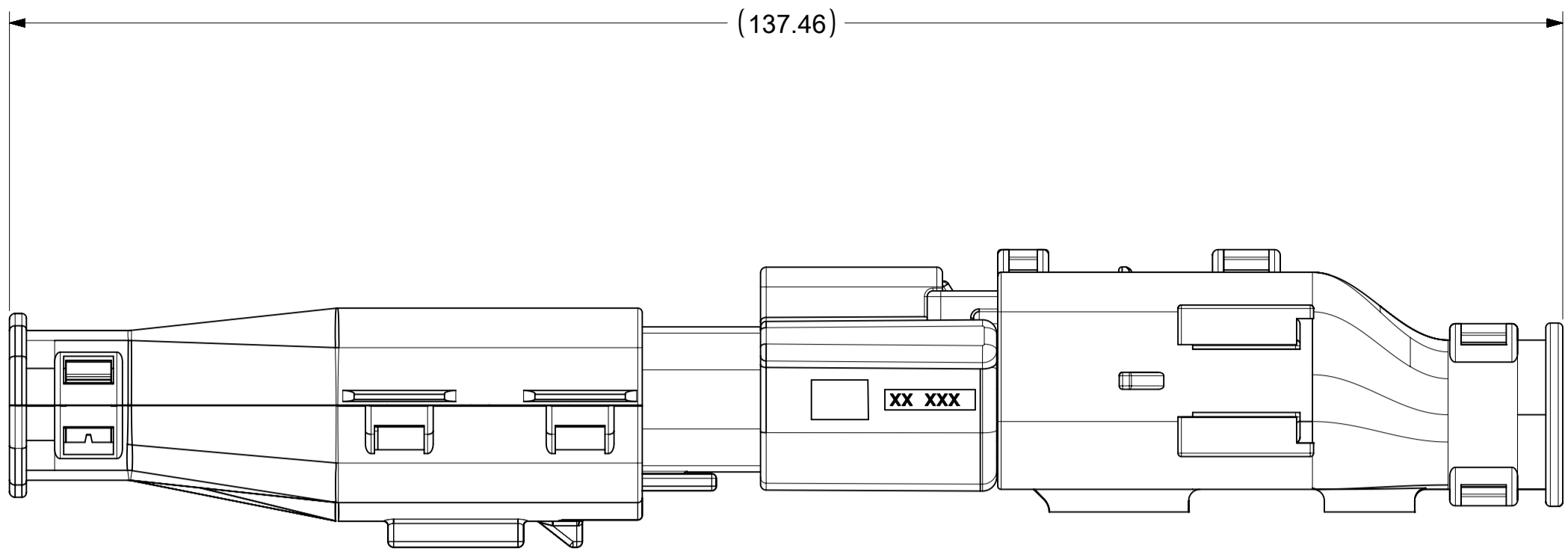




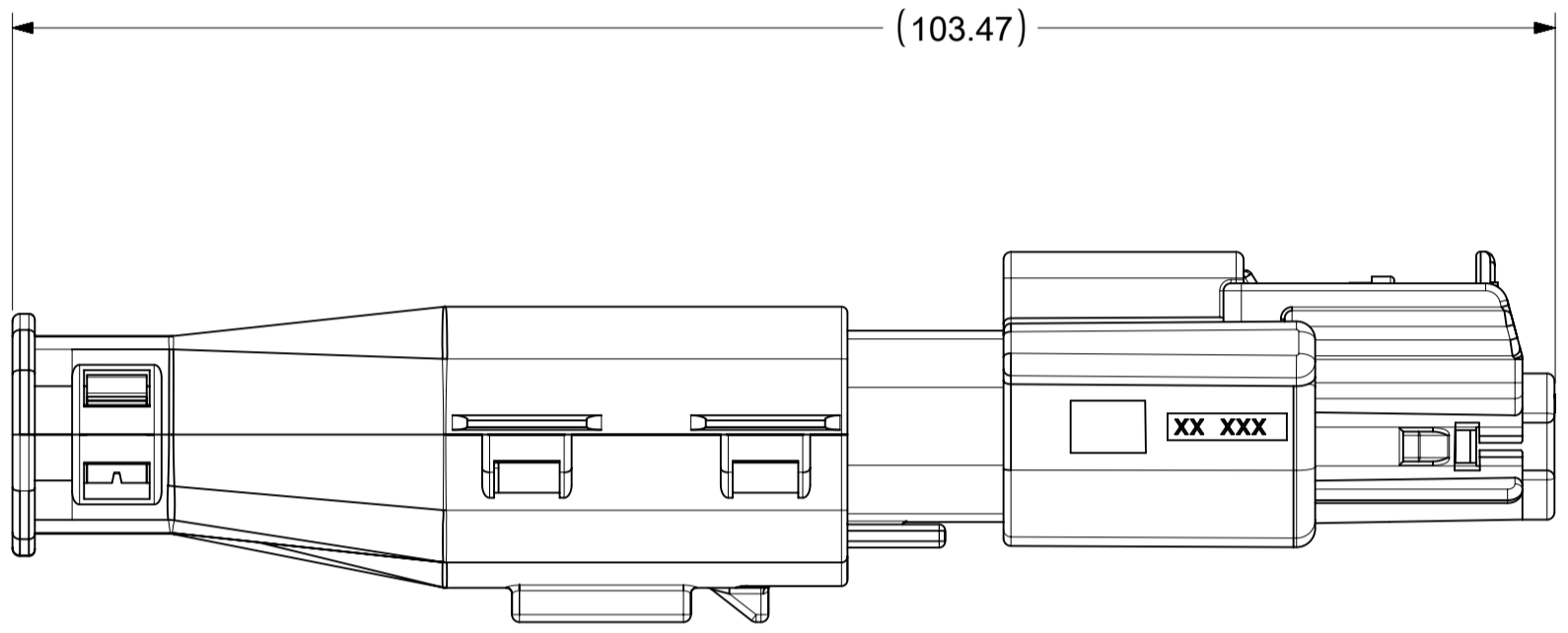
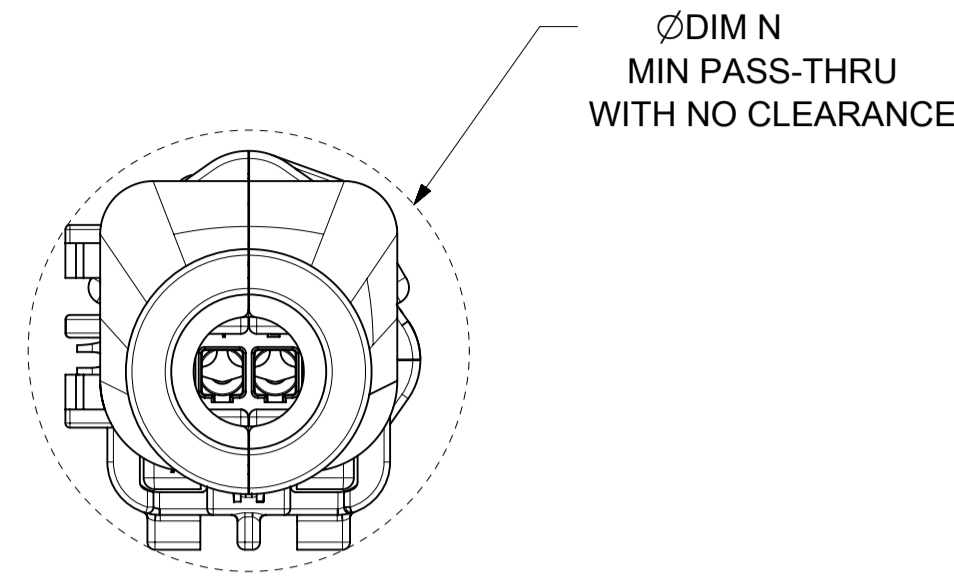


**SHEET DESCRIPTION**  
BACKSHELL CONFIGURATIONS

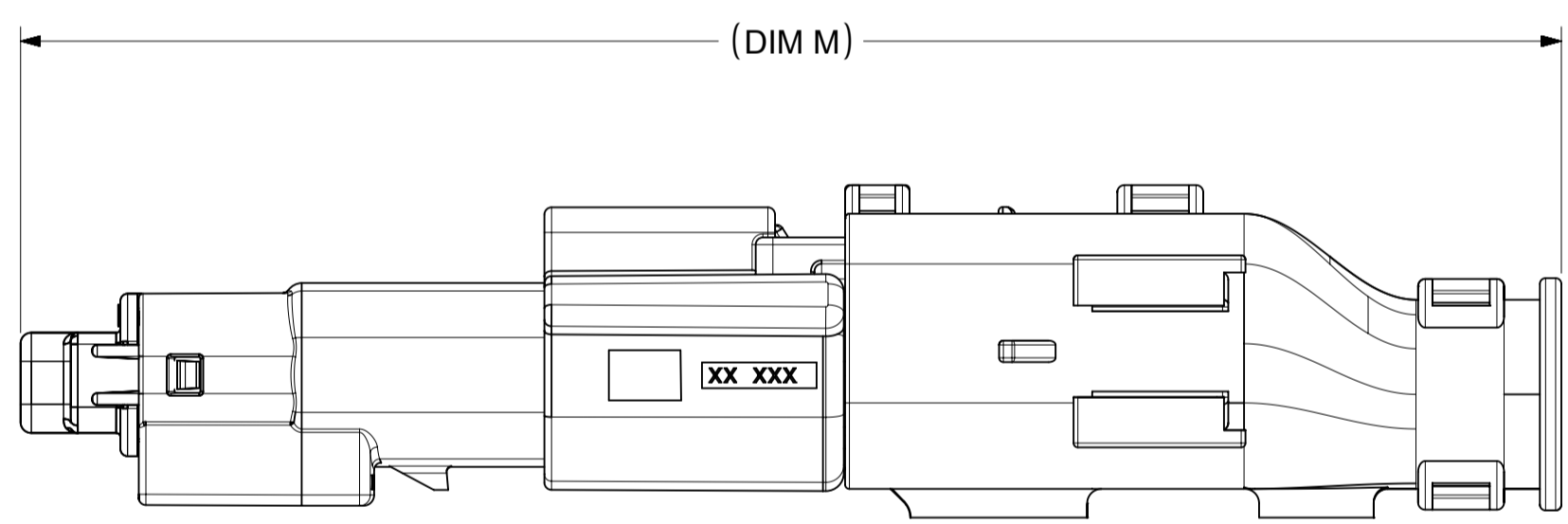
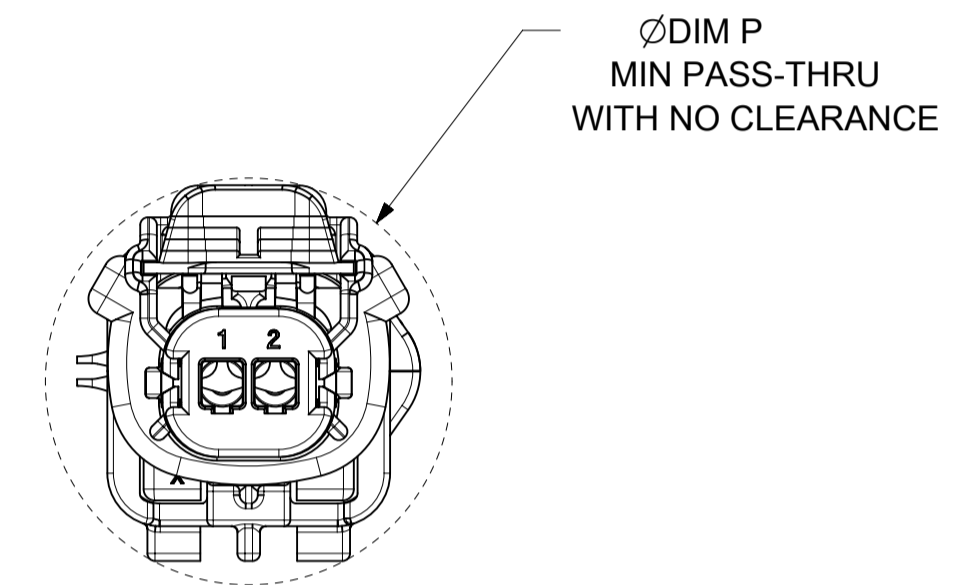
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



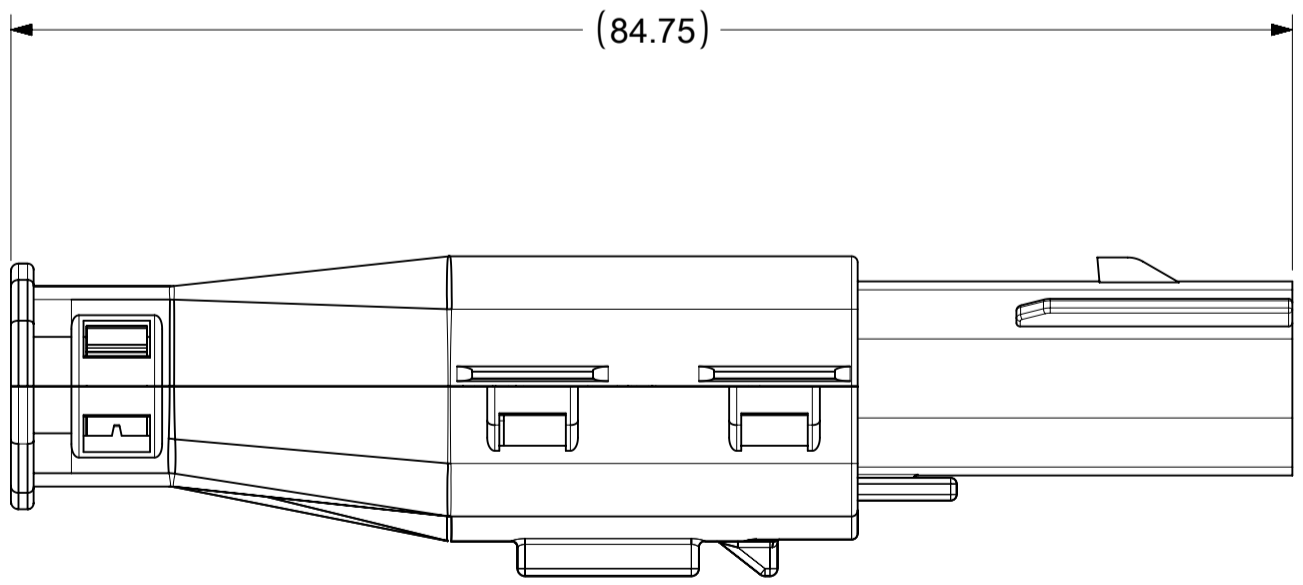
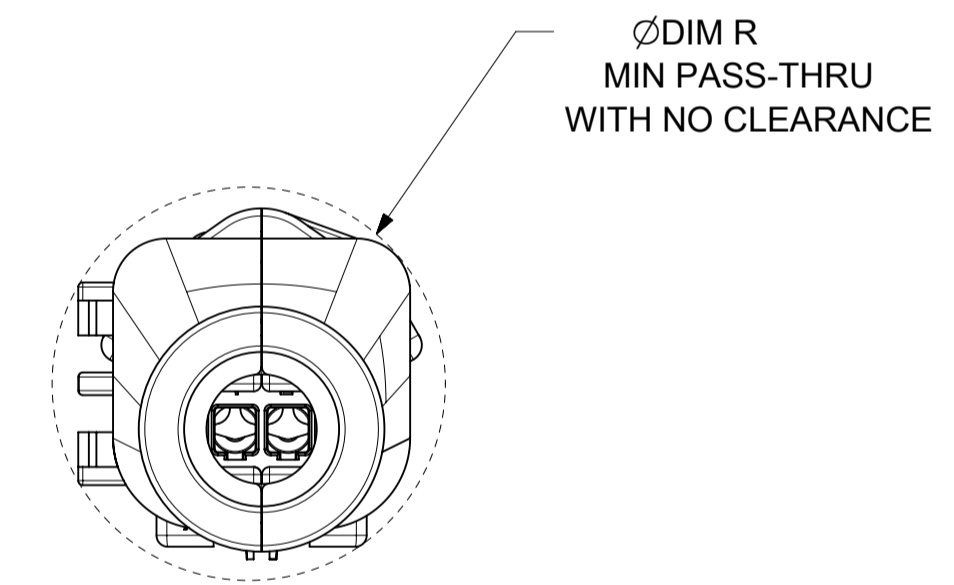
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



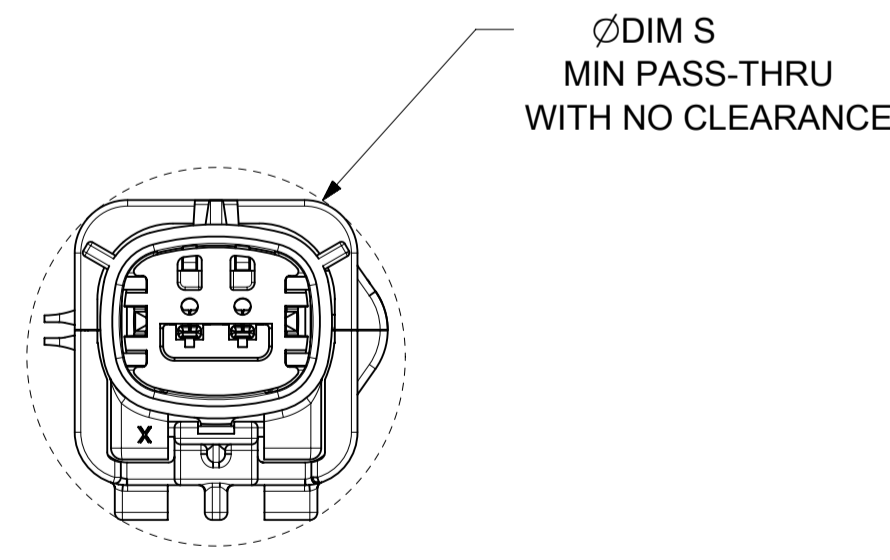
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

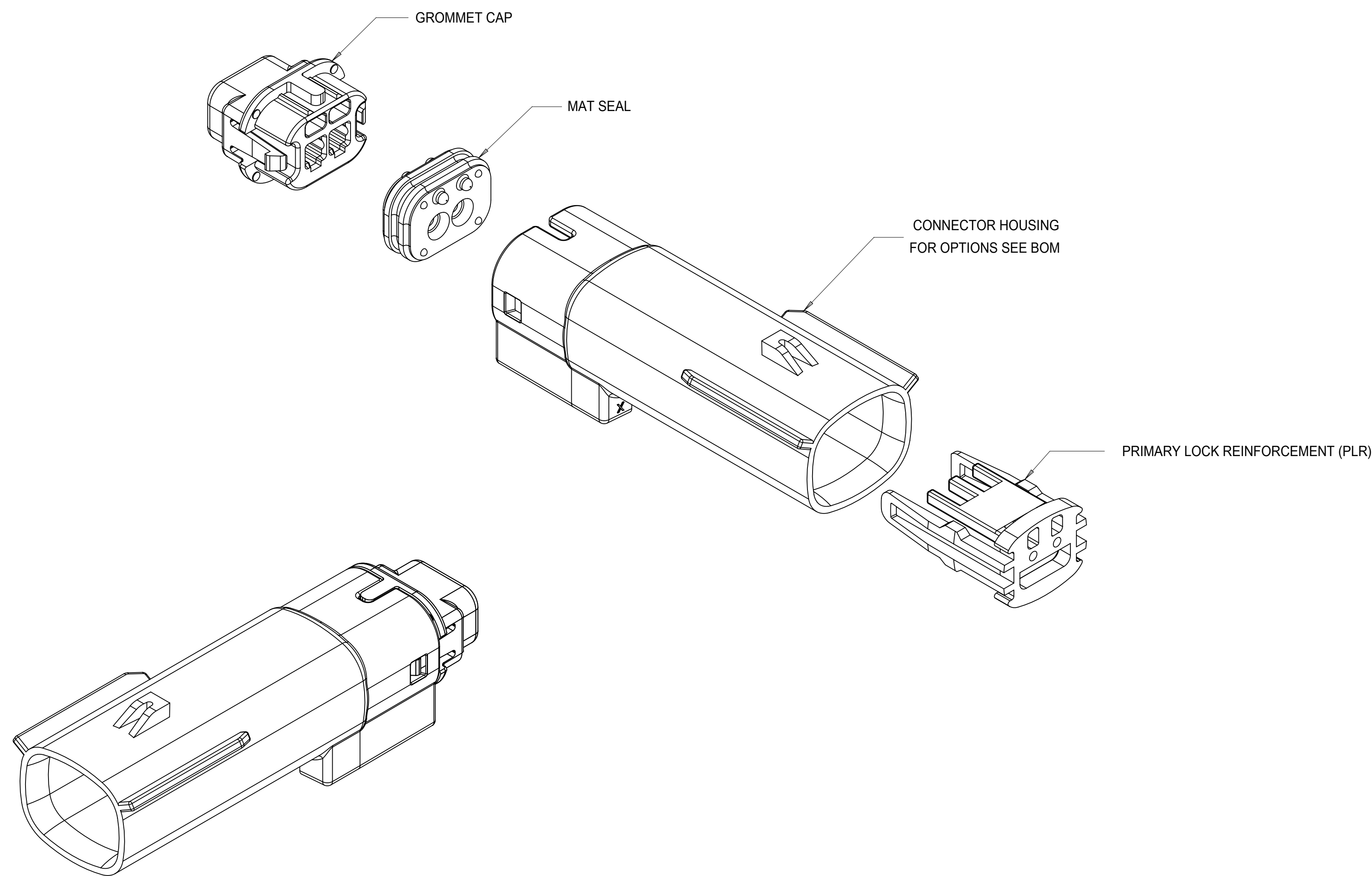


<b>SYMBOLS</b> = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>MM ONLY</b> SCALE: <b>2:1</b>	CURRENT REV DESC: EC NO: 602373 DRWN: DSHETTY01 2018/05/25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



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1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BACKSHELL NOTES
6	BACKSHELL
7	BACKSHELL CONFIGURATIONS
8-9	BOM



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 SPECIFIED IN MOLEX DRAWING SD-33471-021.  
-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 1.2mm TO 2.69mm.  
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION  
-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) <<http://www.molex.com>>  
-ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 WITH THE FOLLOWING EXCEPTIONS: TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 NEWTONS.
- b. PRODUCT SPECIFICATION SEE: PS-33471-000  
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635
- 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 - 1994
- 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: TBD

A13	UPDATED STATUS IN BOM
A12	ADD NEW P/N 33481-2201 TO 33481-2210
A10	ADD NEW P/N 33481-0210
A9	UPDATED VIEWSET & NOTES
A8	RENAMED BACKSHELLS
A7	REMOVED DIMENSION 57
A6	UPDATED NOTES
A5	UPDATED P/N ORDER IN BOM
A4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION

INSPECTION LOG  
LAST NUMBER USED: 57  
ADDED:  
REMOVED:

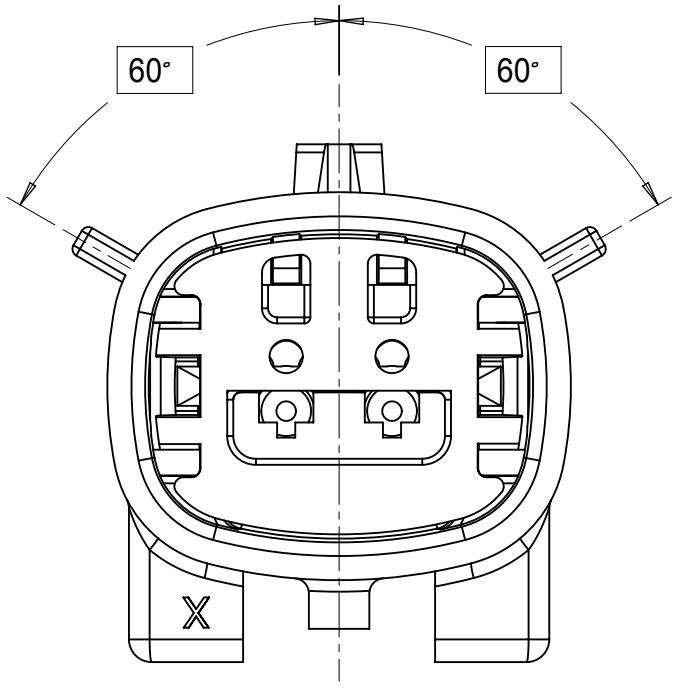
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE					
mm	3:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 645317		MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL  PRODUCT CUSTOMER DRAWING			
ANGULAR TOL	± 3.0°	DRWN: MKP	2020/08/07				
4 PLACES	±	CHK'D: MJMITCHELL	2020/09/21				
3 PLACES	±	APPR: MJMITCHELL	2020/09/21	INITIAL REVISION: DRWN: MVANSLAMBROU 2009/02/24 APPR: VKOSHY 2009/02/24			
2 PLACES	± 0.1						
1 PLACE	± 0.2			DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
0 PLACES	±			SD-33481-021	PSD	001	A13
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			D-SIZE	33481	SEE BOM	GENERAL MARKET	1 OF 9

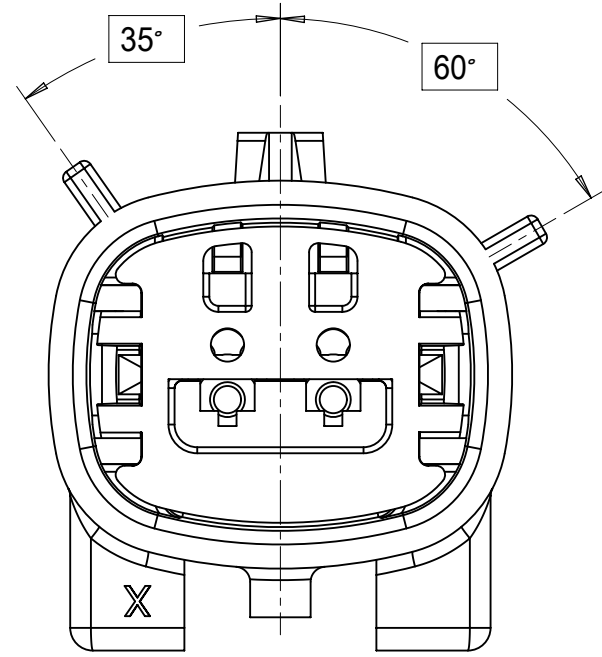
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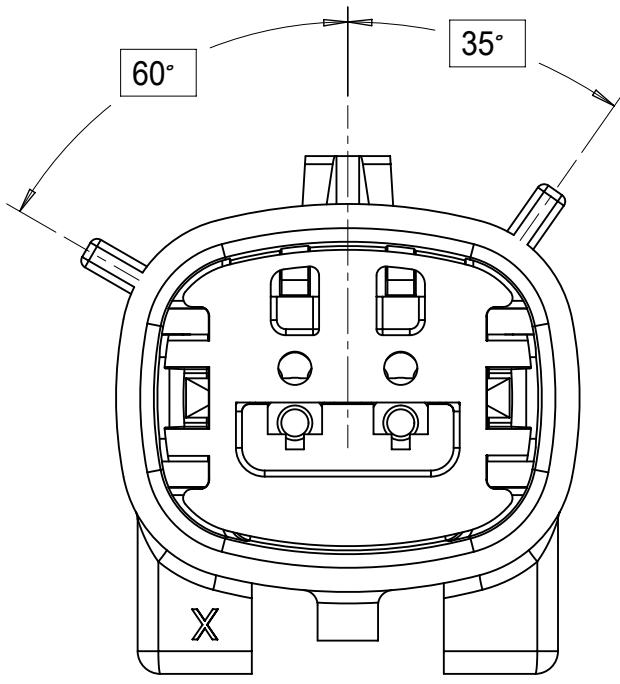
KEY CONFIGURATIONS



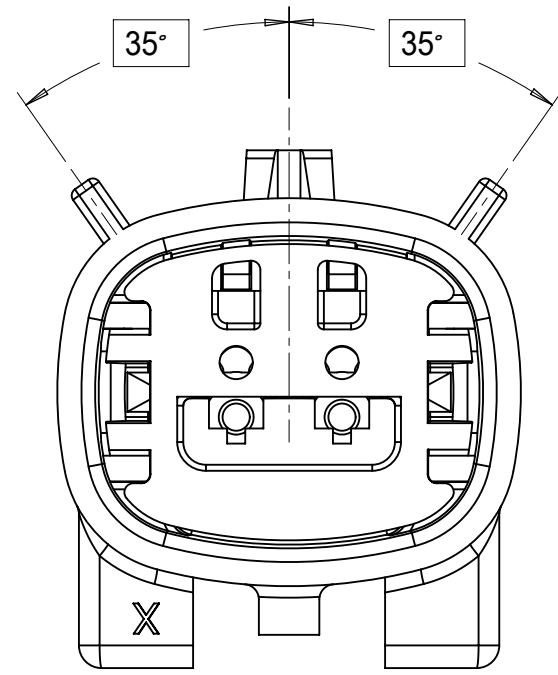
KEY A



KEY B



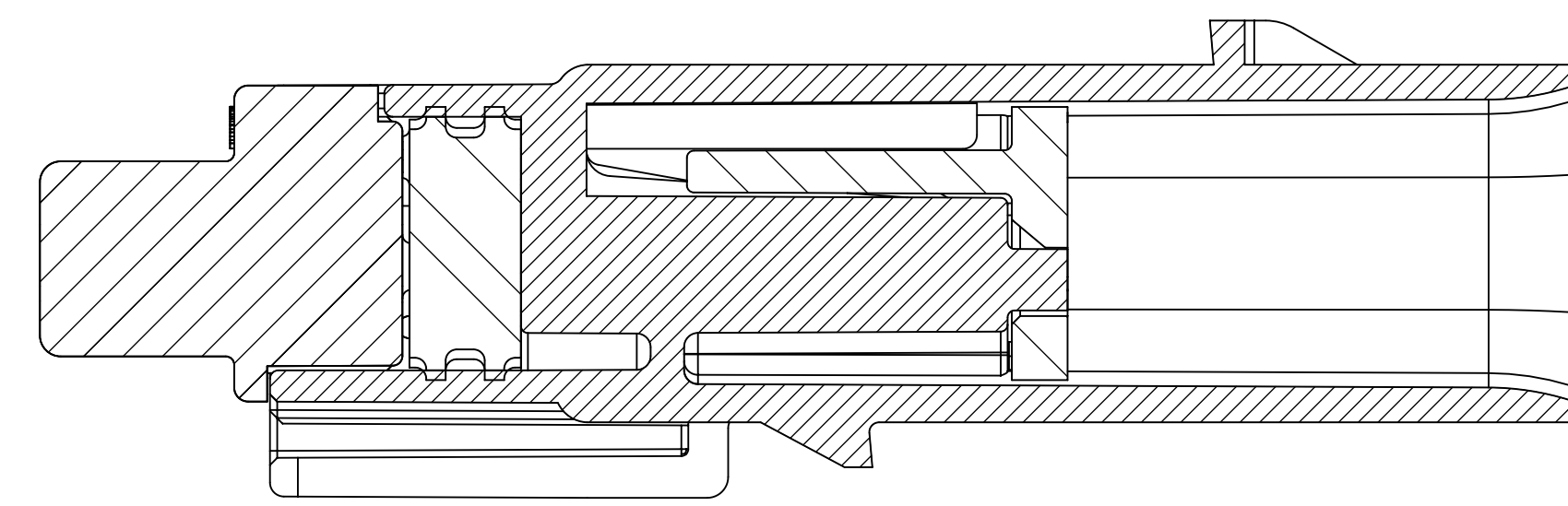
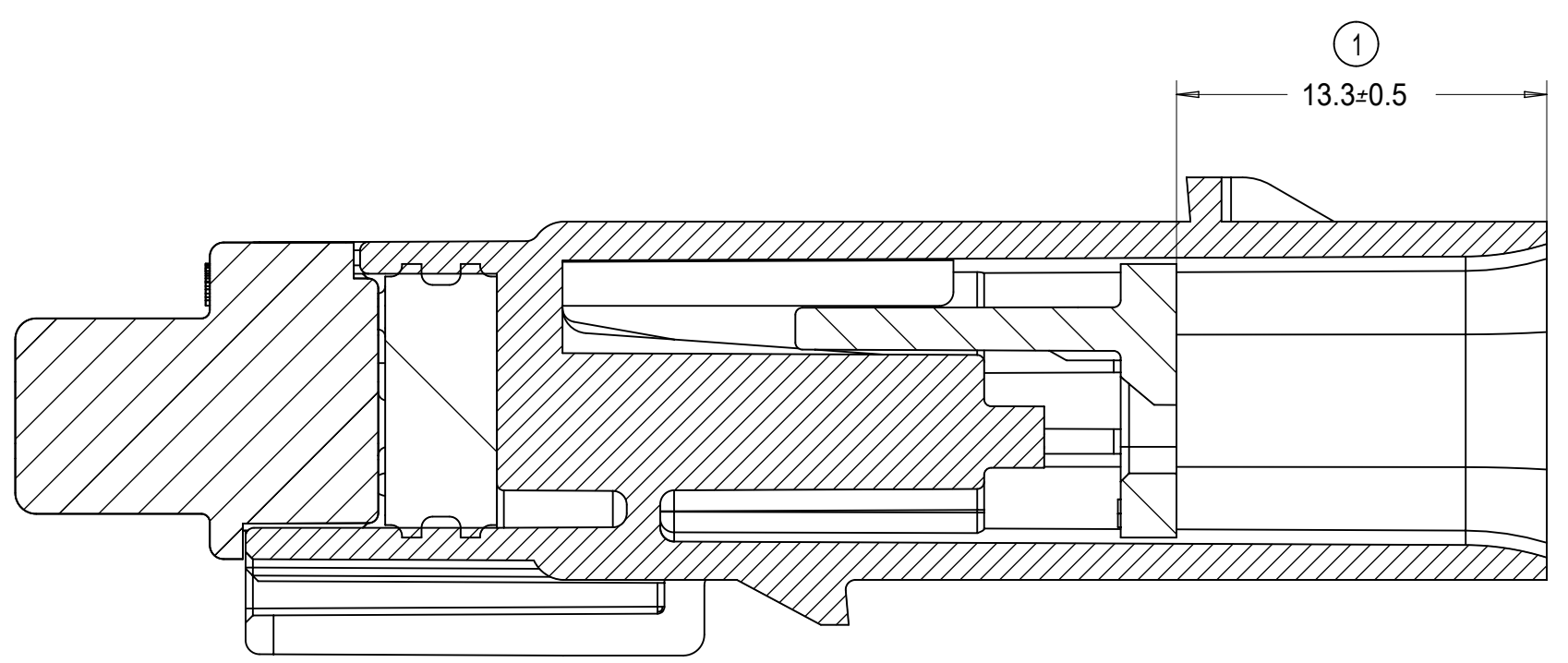
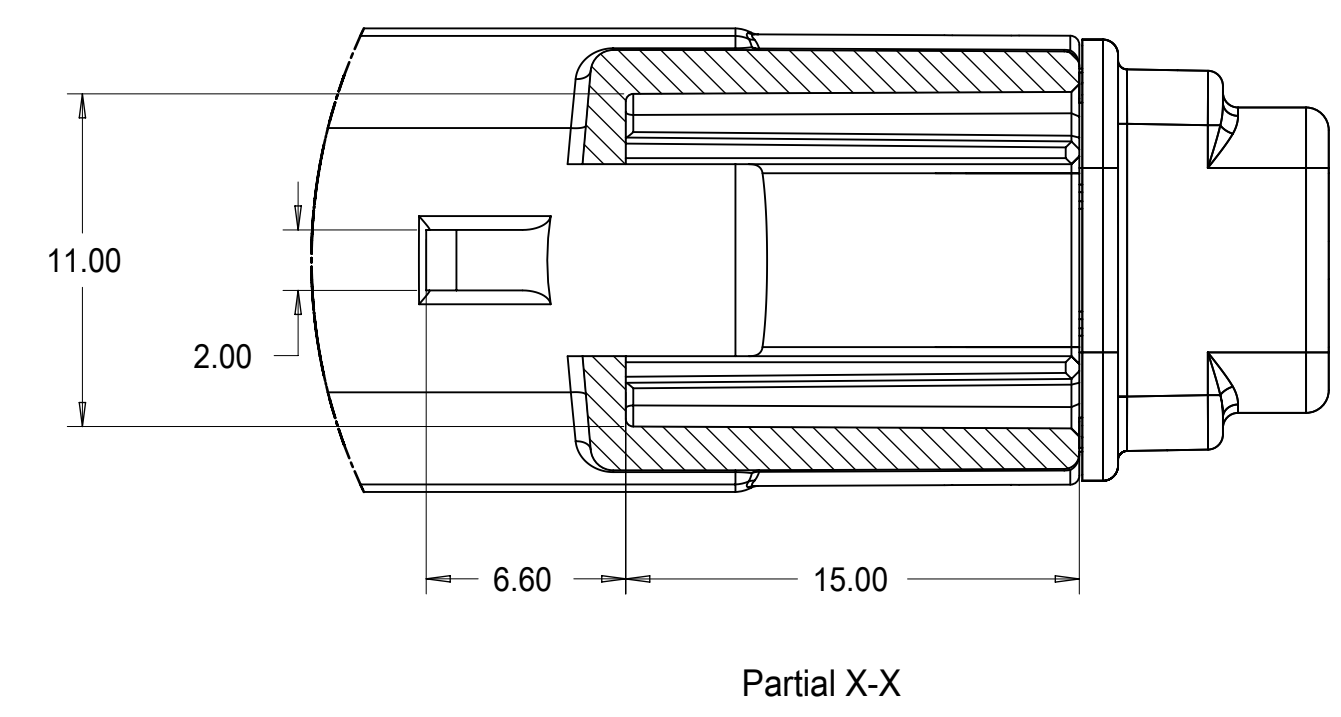
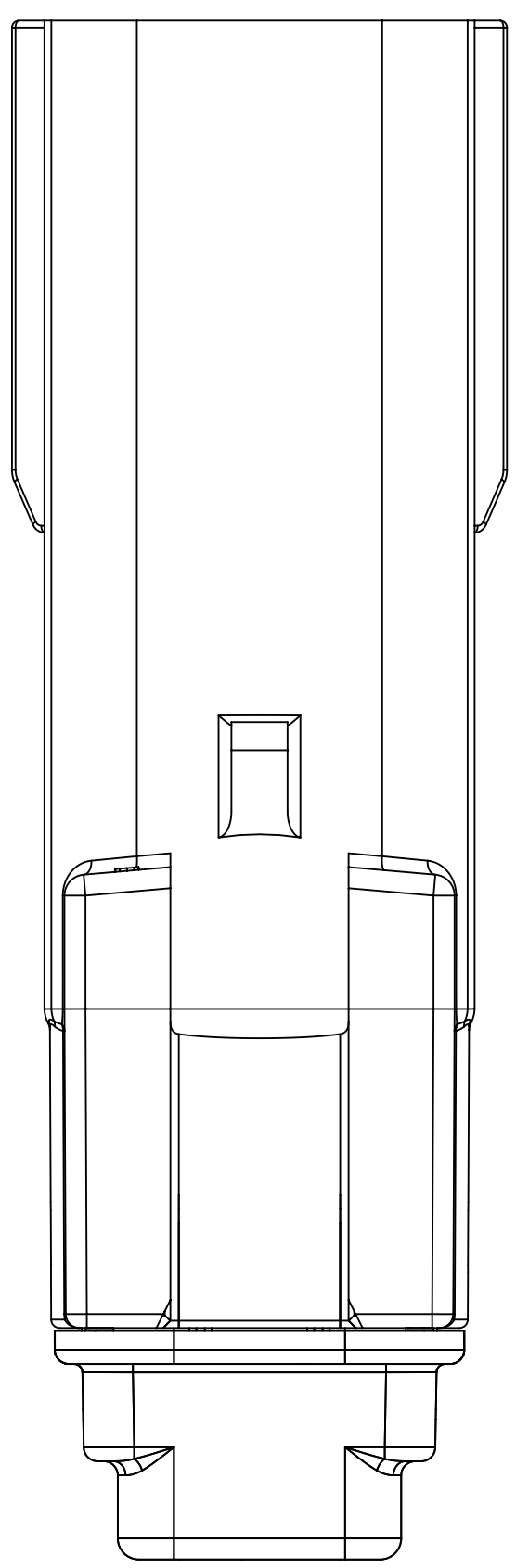
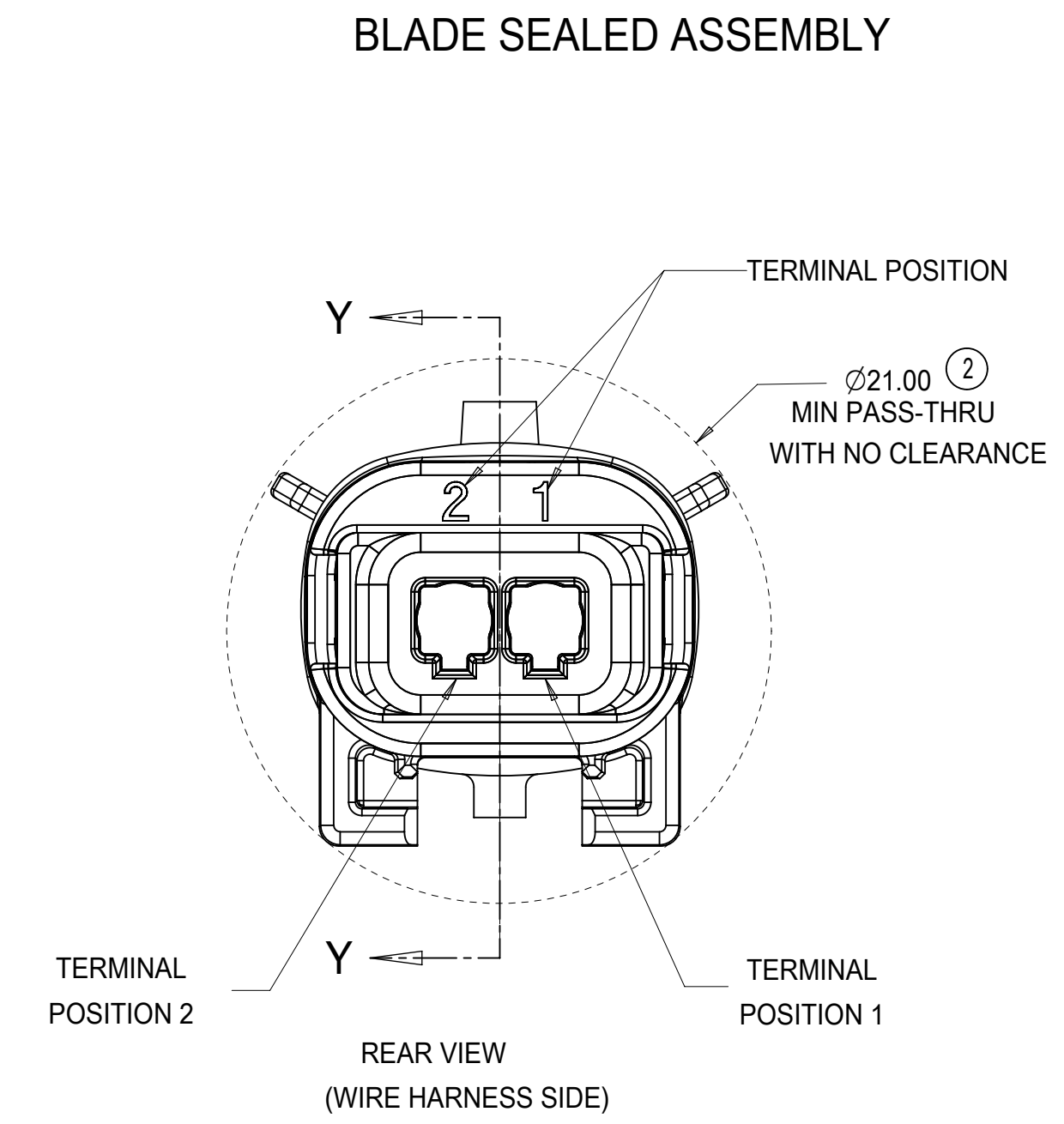
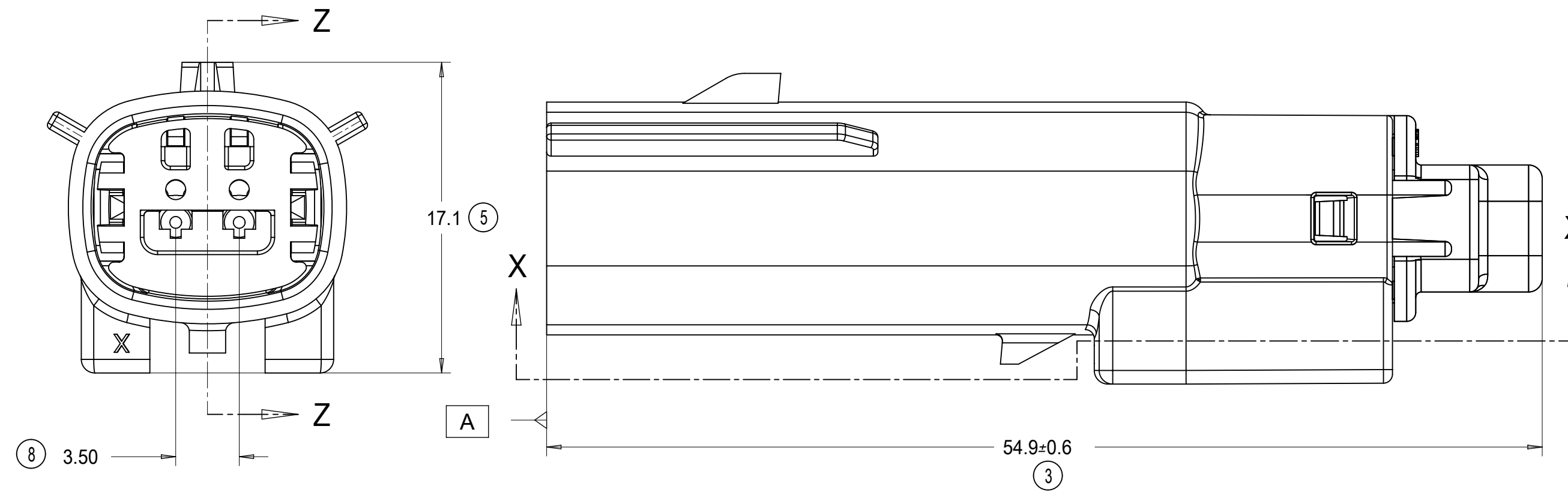
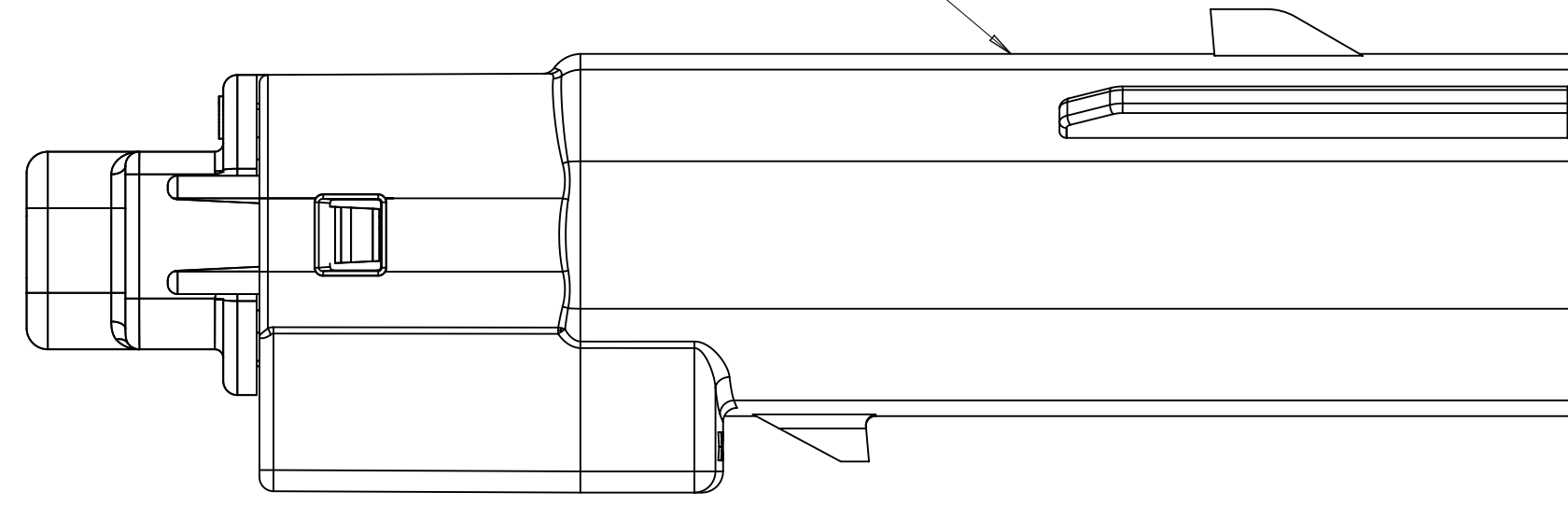
KEY C



KEY D

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: SEE REVISION TABLE					
mm		4:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 645317					
ANGULAR TOL ± 3.0°				DRWN: MKP		2020/08/07		MX150 1X2 BLADE	
4 PLACES ±				CHK'D: MJMITCHELL		2020/09/21		SEALED ASSEMBLY MAT SEAL	
3 PLACES ±				APPR: MJMITCHELL		2020/09/21		PRODUCT CUSTOMER DRAWING	
2 PLACES ± 0.1				INITIAL REVISION:				DOCUMENT NUMBER	
1 PLACE ± 0.2				DRWN: MVANSLAMBROU		2009/02/24		SD-33481-021	
0 PLACES ±				APPR: VKOSHY		2009/02/24		PSD 001 A13	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				D-SIZE		33481		SEE BOM	
								CUSTOMER	
								GENERAL MARKET	
								SHEET NUMBER	
								2 OF 9	

OPTIONAL LASER MARKING ON THIS SURFACE SEE NOTE 3g



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

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

SECTION Z-Z

SECTION Y-Y

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: SEE REVISION TABLE	
mm	4:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
ANGULAR TOL	± 3.0°		
4 PLACES	±	EC NO: 645317	
3 PLACES	±	DRWN: MKP	2020/08/07
2 PLACES	± 0.1	CHK'D: MJMITCHELL	2020/09/21
1 PLACE	± 0.2	APPR: MJMITCHELL	2020/09/21
0 PLACES	±	INITIAL REVISION:	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: MVANSLAMBROU	2009/02/24
		APPR: VKOSHY	2009/02/24
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
	D-SIZE	33481	SEE BOM
		CUSTOMER	SHEET NUMBER
		GENERAL MARKET	3 OF 9

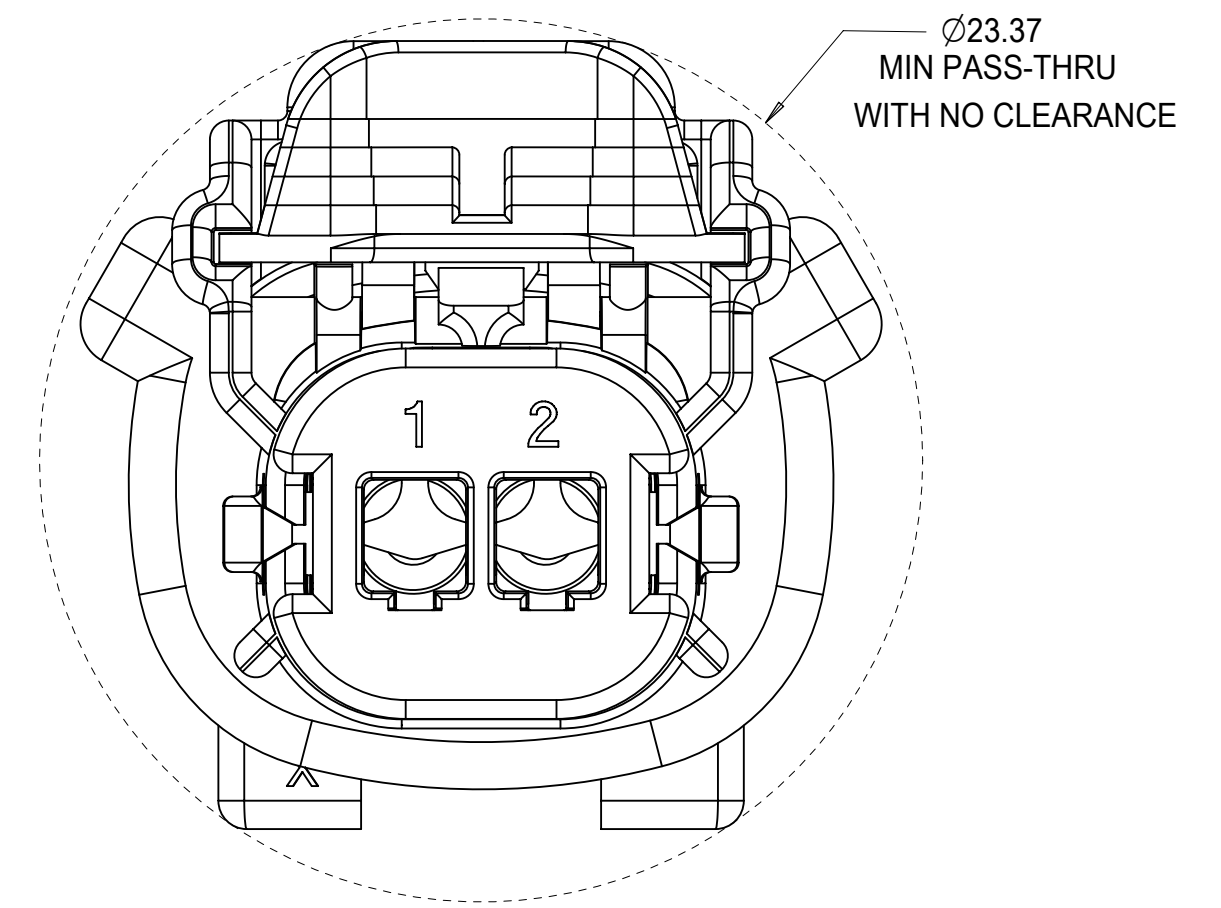
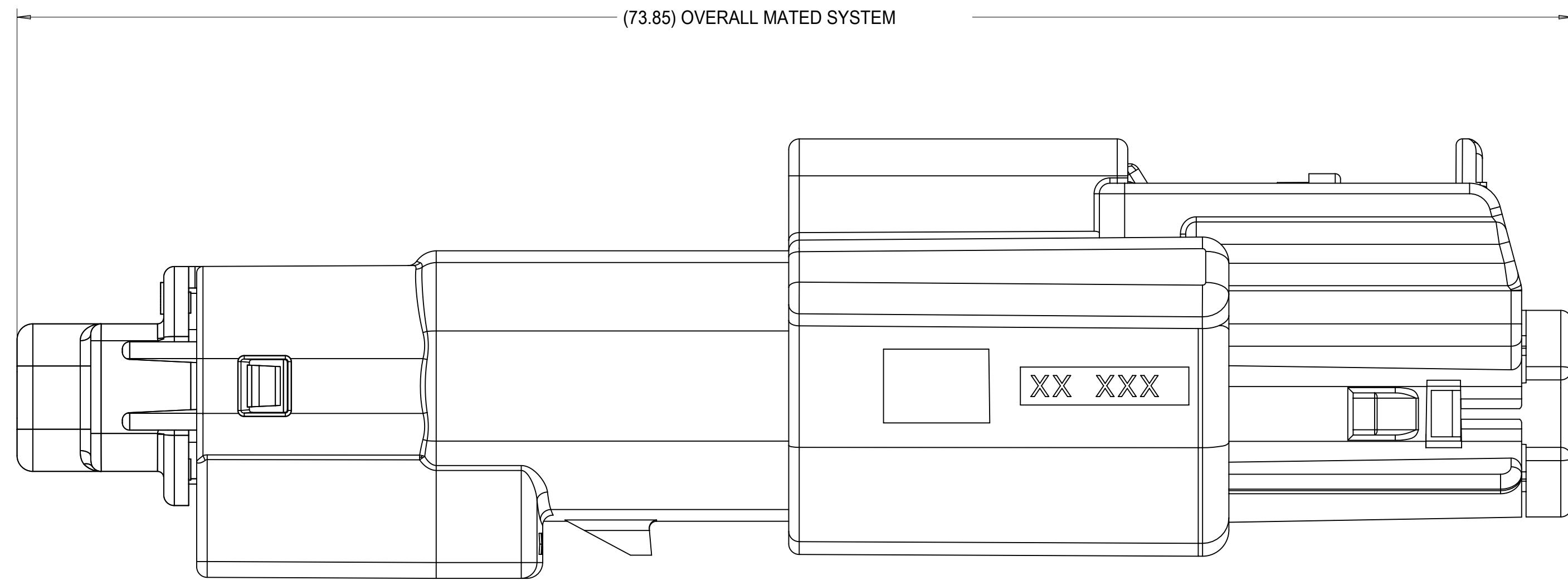
**molex**

MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

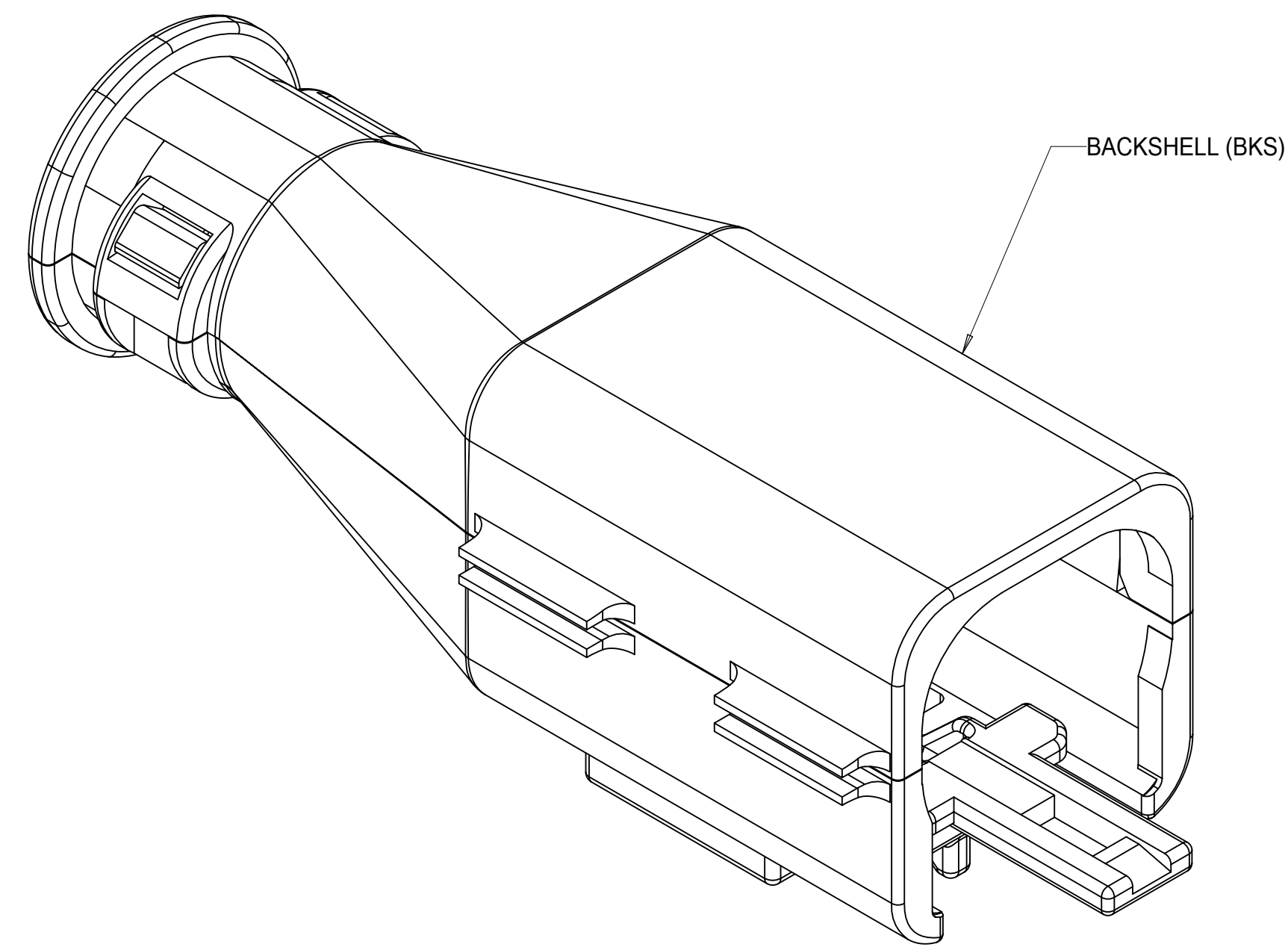
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-021	PSD	001	A13

SYSTEM PACKAGING

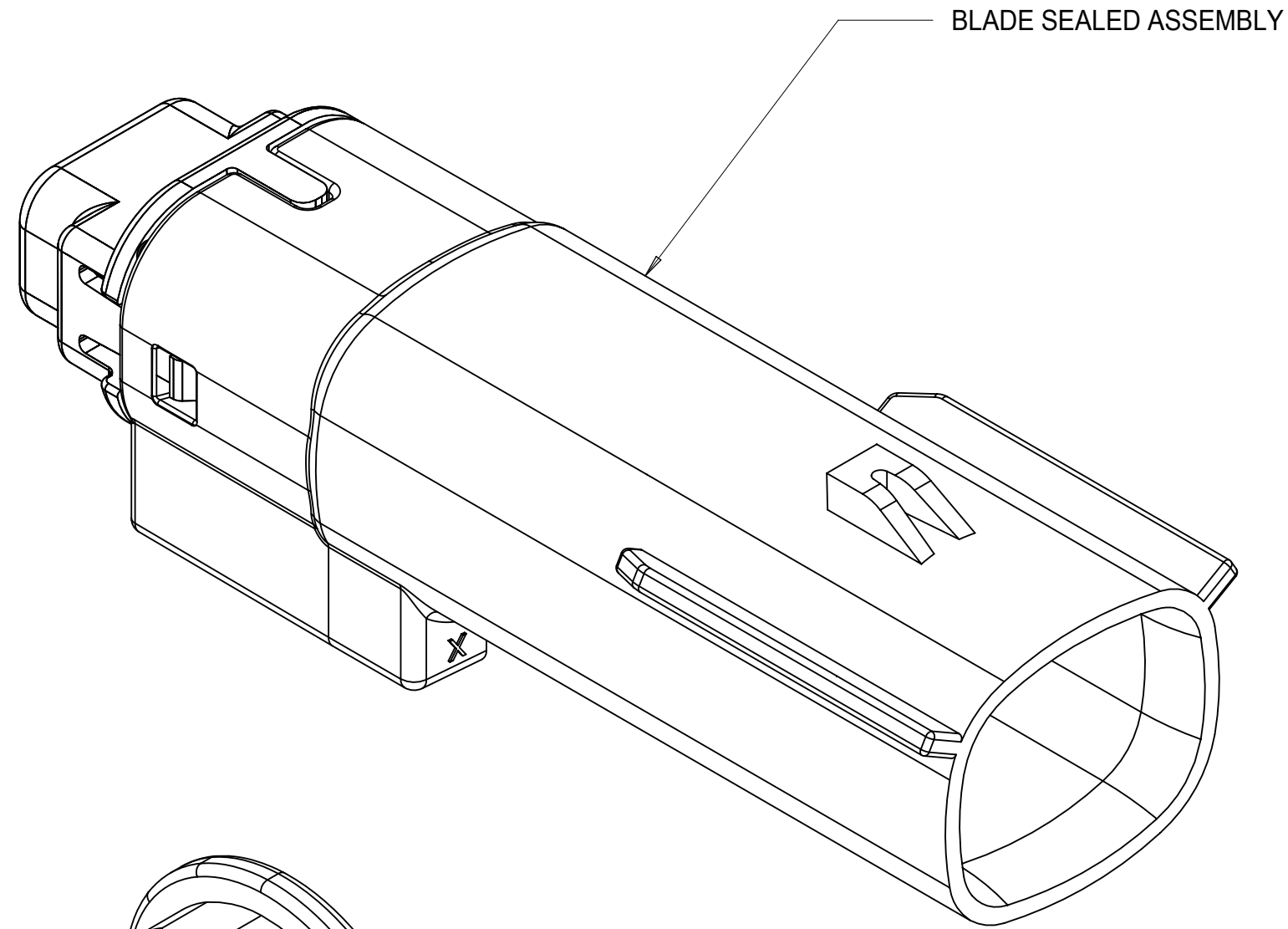


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE							
mm	1:1	<div style="text-align: center;"><b>molex</b></div> <p>MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL</p> <p>PRODUCT CUSTOMER DRAWING</p>							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 3.0°								
4 PLACES	±								
3 PLACES	±								
2 PLACES	± 0.1								
1 PLACE	± 0.2	EC NO: 645317	2020/08/07		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES	±	DRWN: MKP	2020/09/21		SD-33481-021		PSD	001	A13
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
				D-SIZE	33481	SEE BOM	GENERAL MARKET		4 OF 9

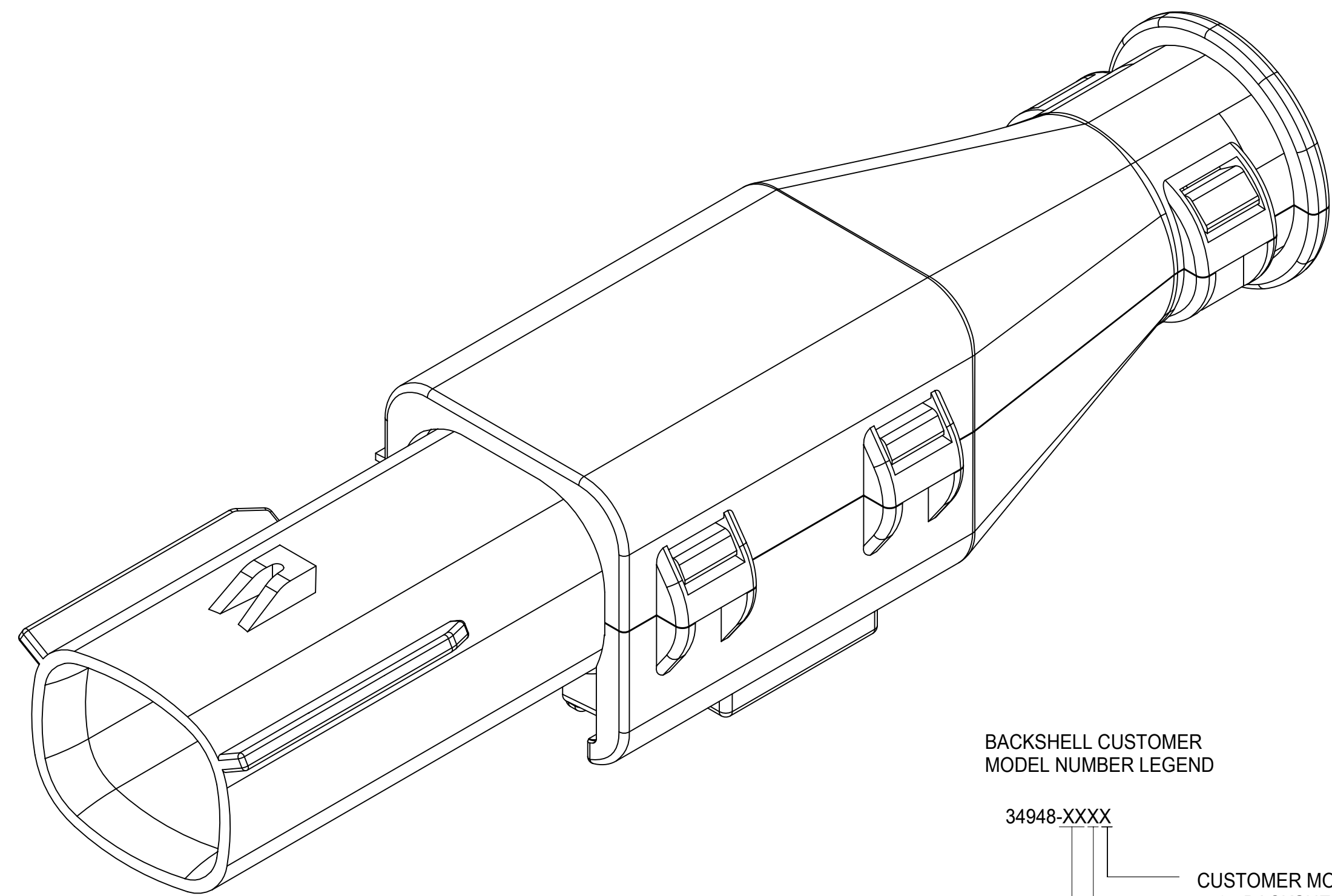
BACKSHELL NOTES



BACKSHELL (BKS)



BLADE SEALED ASSEMBLY



BACKSHELL CUSTOMER MODEL NUMBER LEGEND

34948-XXXX

- CUSTOMER MODEL COMPONENTS
- 0 - BACKSHELL ONLY
  - 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
  - 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
  - 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
  - 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

- BACKSHELL FEATURES
- 1 - WITH RIBS
  - 2 - WITHOUT RIBS

MX150 CIRCUIT SIZE 02, 03, 04, 05, 06

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

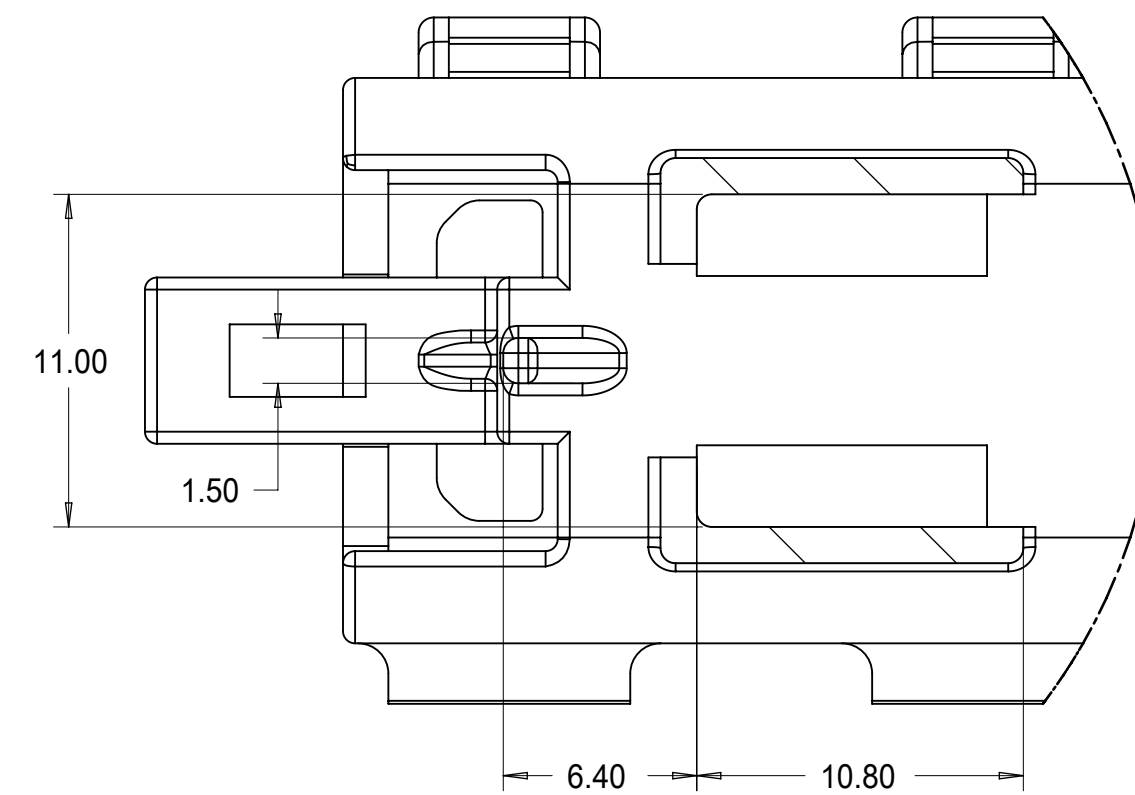
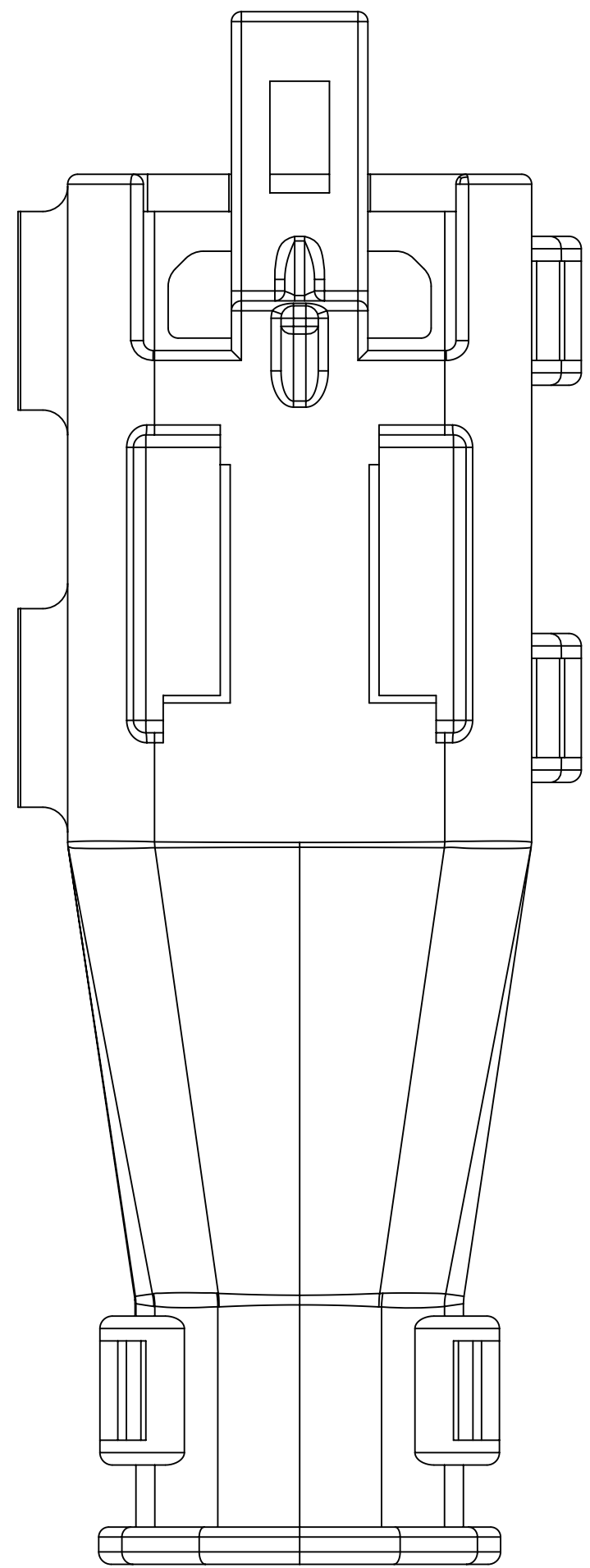
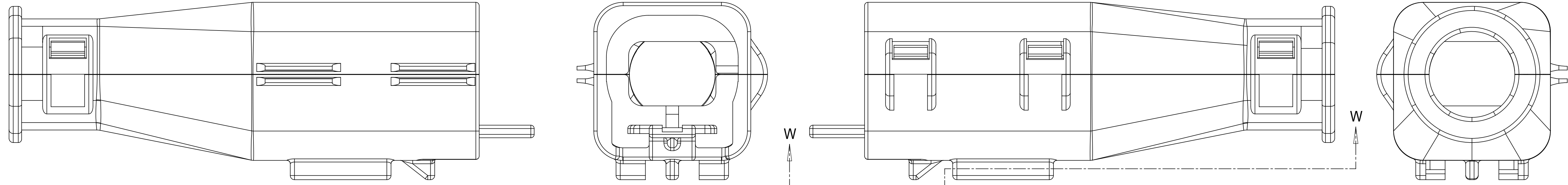
1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-34951-001
  - DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-021.
  - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
  - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
  - BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
  - FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34948-0001.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS <b>mm</b>	SCALE <b>4:1</b>	CURRENT REV DESC: SEE REVISION TABLE				
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 645317				
ANGULAR TOL ± 3.0°	4 PLACES ±	DRWN: MKP 2020/08/07		PRODUCT CUSTOMER DRAWING		
3 PLACES ±	2 PLACES ± 0.1	CHK'D: MJMITCHELL 2020/09/21		DOCUMENT NUMBER		
2 PLACES ± 0.1	1 PLACE ± 0.2	APPR: MJMITCHELL 2020/09/21		SD-33481-021		
1 PLACE ± 0.2	0 PLACES ±	INITIAL REVISION:		DOC TYPE		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: MVANSLAMBROU 2009/02/24		PSD		
THIRD ANGLE PROJECTION		APPR: VKOSHY 2009/02/24		DOC PART		
DRAWING		SERIES		001		
D-SIZE		33481		REVISION		
SEE BOM		GENERAL MARKET		A13		
SHEET NUMBER		5 OF 9				

BACKSHELL  
 THE VIEWS ON THIS SHEET ARE  
 IN THE CLOSED UN-ASSEMBLED POSITION



Partial W-W  
 SCALE 4:1

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DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES  
 (UNLESS SPECIFIED)

ANGULAR TOL	± 3.0°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	±

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 645317	
DRWN: MKP	2020/08/07
CHK'D: MJMITCHELL	2020/09/21
APPR: MJMITCHELL	2020/09/21
INITIAL REVISION:	
DRWN: MVANSLAMBROU	2009/02/24
APPR: VKOSHY	2009/02/24

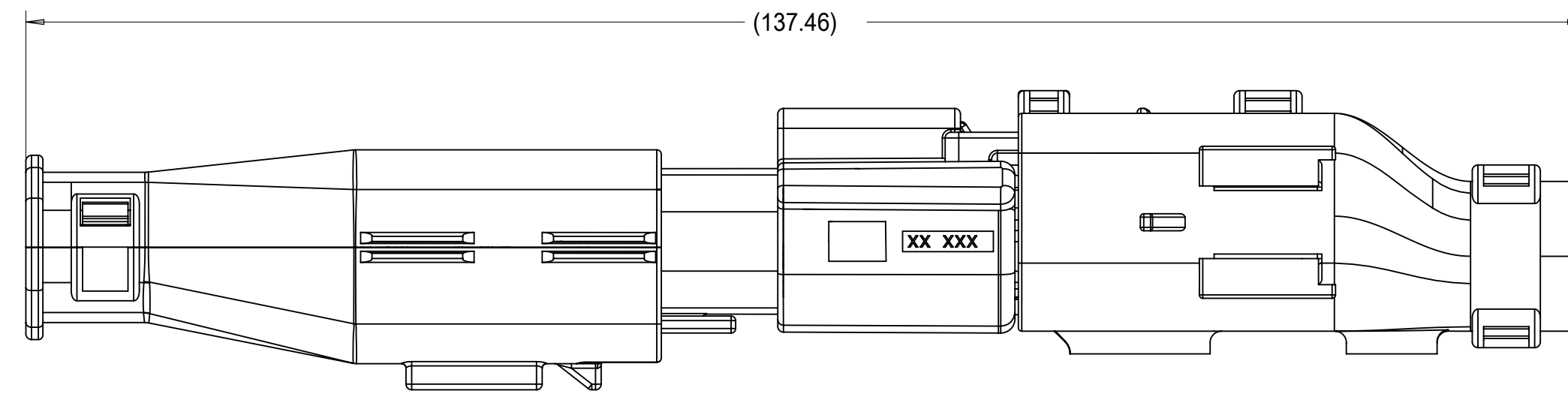
**molex**

MX150 1X2 BLADE  
 SEALED ASSEMBLY MAT SEAL

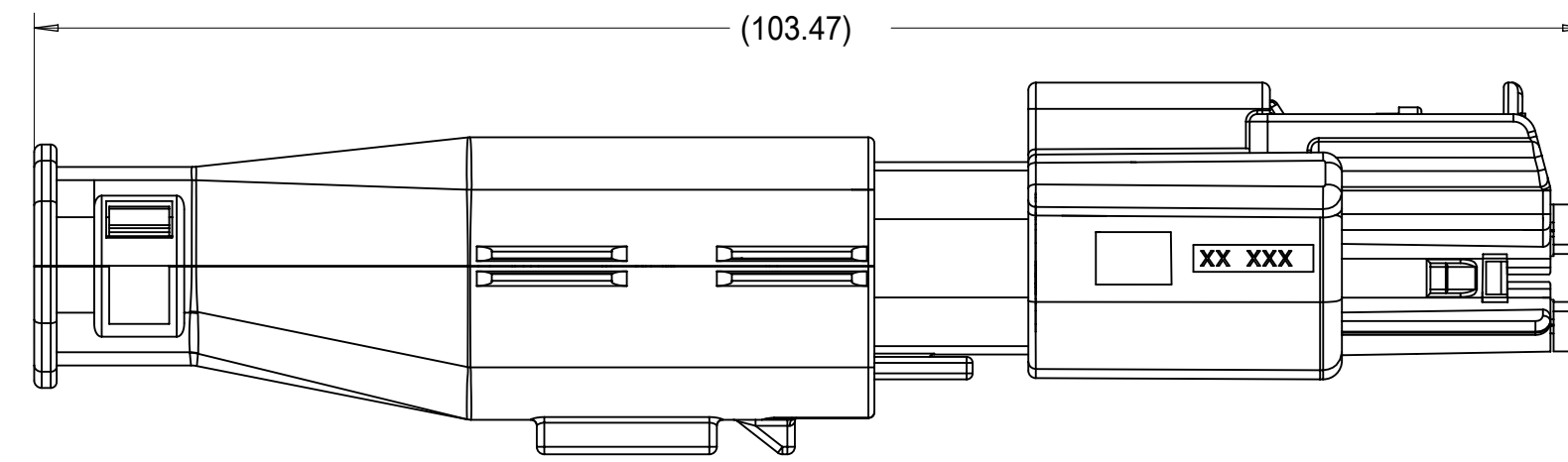
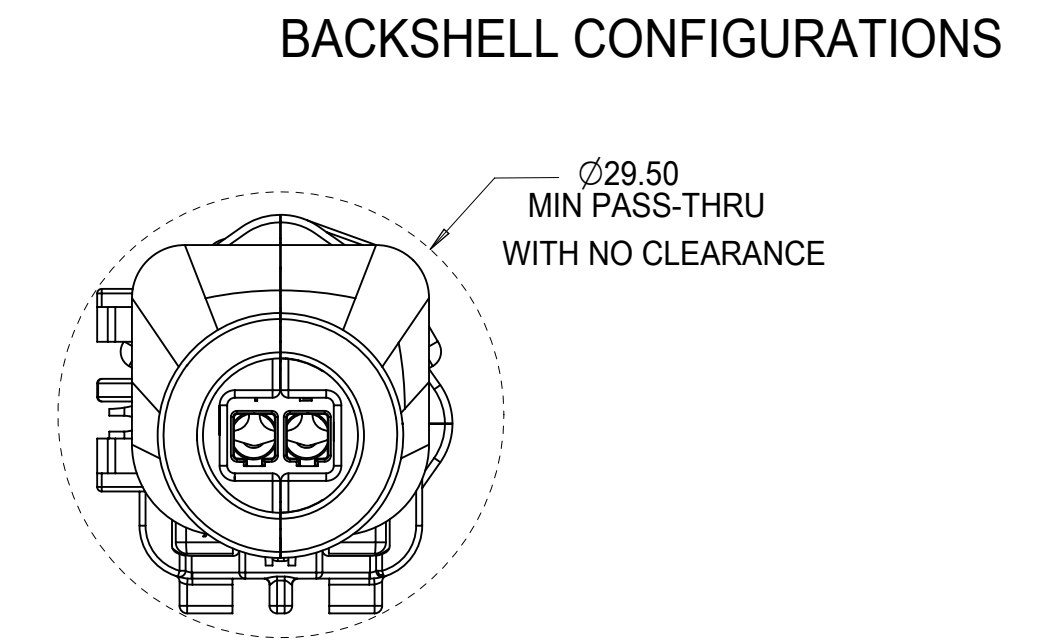
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-021	PSD	001	A13

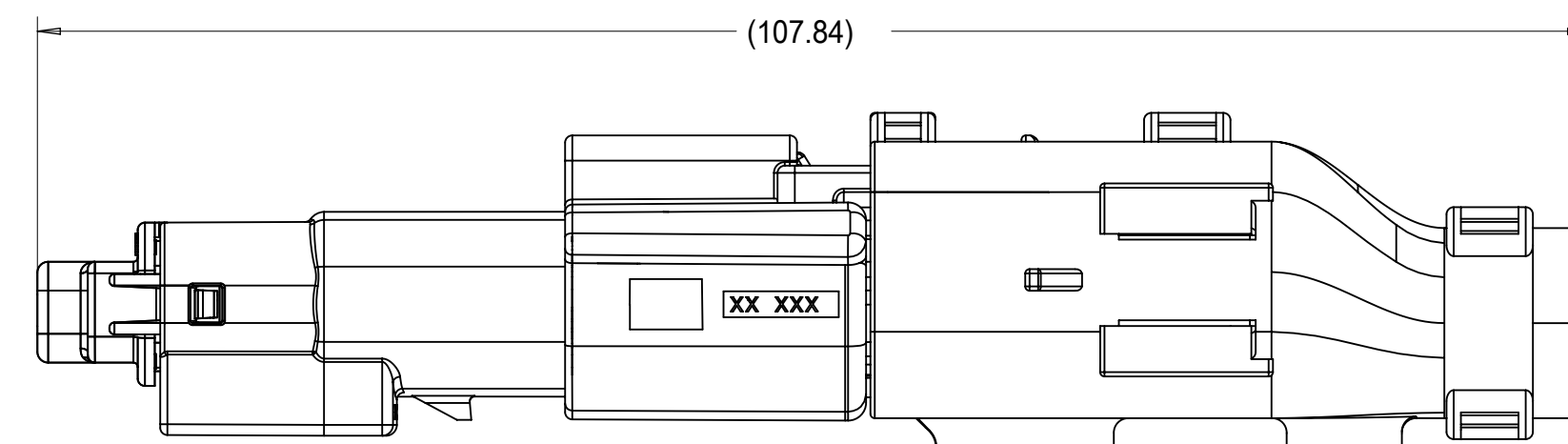
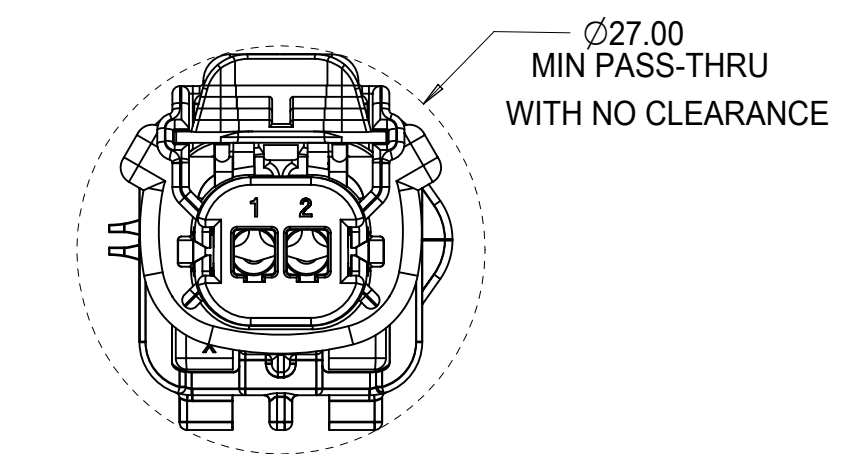
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		D-SIZE	33481	SEE BOM	GENERAL MARKET	6 OF 9



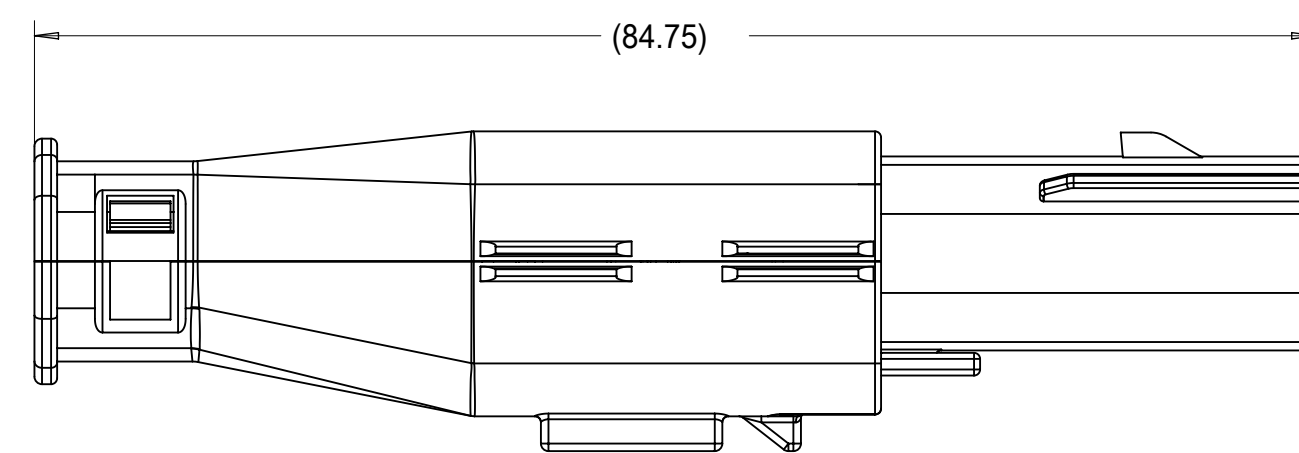
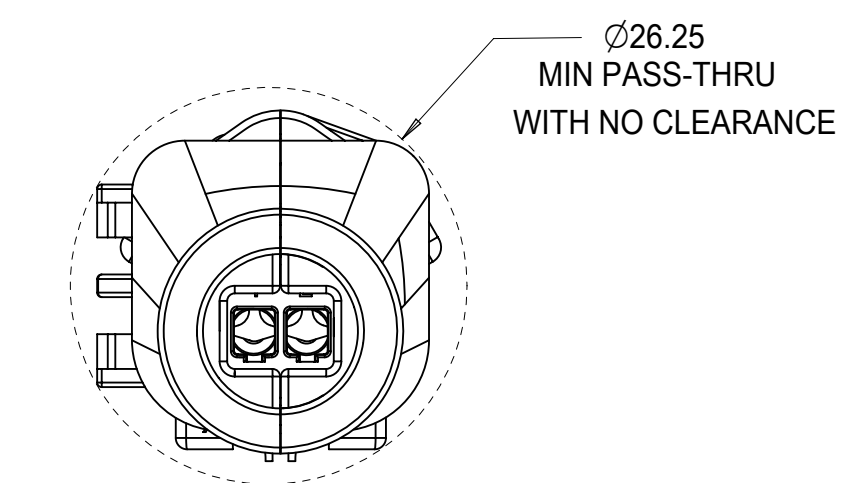
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



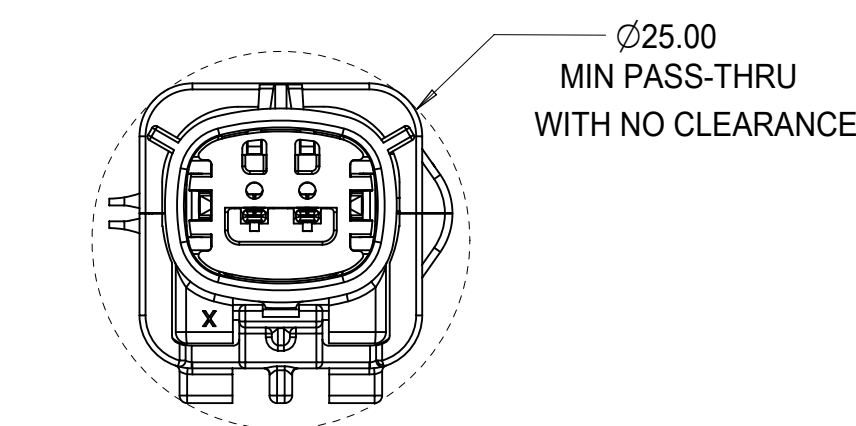
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE					
mm	2:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 645317		MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL PRODUCT CUSTOMER DRAWING			
ANGULAR TOL ± 3.0°		DRWN: MKP 2020/08/07					
4 PLACES ±		CHK'D: MJMITCHELL 2020/09/21		DOCUMENT NUMBER: SD-33481-021 DOC TYPE: PSD DOC PART: 001 REVISION: A13			
3 PLACES ±		APPR: MJMITCHELL 2020/09/21					
2 PLACES ± 0.1		INITIAL REVISION:		MATERIAL NUMBER: SEE BOM CUSTOMER: GENERAL MARKET SHEET NUMBER: 7 OF 9			
1 PLACE ± 0.2		DRWN: MVANSLAMBROU 2009/02/24					
0 PLACES ±		APPR: VKOSHY 2009/02/24		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		THIRD ANGLE PROJECTION					
		DRAWING		D-SIZE			
		SERIES		33481			

KEY A, YELLOW	33481-0210					A	GCO							NOT RECOMMENDED		34948-0210	34948-0220
KEY A, BLACK	33481-0209	A							GCP2		2			PLANNED OBSOLESCENCE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-0208				D				GCP		1	2		PLANNED OBSOLESCENCE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-0207			C					GCP		1	2		PLANNED OBSOLESCENCE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-0206		B						GCP		1	2		PLANNED OBSOLESCENCE		34948-0210	34948-0220
KEY A, BLACK	33481-0205	A							GCP		1	2		NOT RECOMMENDED		34948-0210	34948-0220
KEY D, STONE GRAY	33481-0204				D				GCO					PLANNED OBSOLESCENCE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-0203			C					GCO					NOT RECOMMENDED		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-0202		B						GCO					NOT RECOMMENDED		34948-0210	34948-0220
KEY A, BLACK	33481-0201	A							GCO					NOT RECOMMENDED		34948-0210	34948-0220
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBERS	A	B	C	D	A	GCO	GCP	GCP2	1	2		STATUS	COMMENTS	BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	
		BLOCKED TERMINAL										OPTIONAL ATTACHMENTS SOLD SEPARATELY					
CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION										OPTIONAL ATTACHMENTS SOLD SEPARATELY							
CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION										OPTIONAL ATTACHMENTS SOLD SEPARATELY							
MAT SEAL			RUST RED			INHERENTLY LUBRICATED SILICONE											
PLR			NATURAL			SPS/NYLON GF20											
GROMMET CAP (CAVITY 2 PLUGGED)			BLACK			SPS/NYLON GF20											
GROMMET CAP (PLUGGED)			BLACK			SPS/NYLON GF20											
GROMMET CAP (OPEN)			BLACK			SPS/NYLON GF20											
HOUSING - KEYING OPTION A			YELLOW			SPS/NYLON GF20											
HOUSING - KEYING OPTION D			STONE GRAY			SPS/NYLON GF20											
HOUSING - KEYING OPTION C			DARK GRAY			SPS/NYLON GF20											
HOUSING - KEYING OPTION B			LIGHT GRAY			SPS/NYLON GF20											
HOUSING - KEYING OPTION A			BLACK			SPS/NYLON GF20											
DESCRIPTION			COLOR			MATERIAL											
BOM/APPLICABLE COMPONENTS TABLE																	

### LEGEND TABLE

ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP (OPEN)
GCP	GROMMET CAP (PLUGGED)
GCP2	GROMMET CAP (CAVITY 2 PLUGGED)
P	PLR, STANDARD
M	MAT SEAL
BKS	BACKSHELL

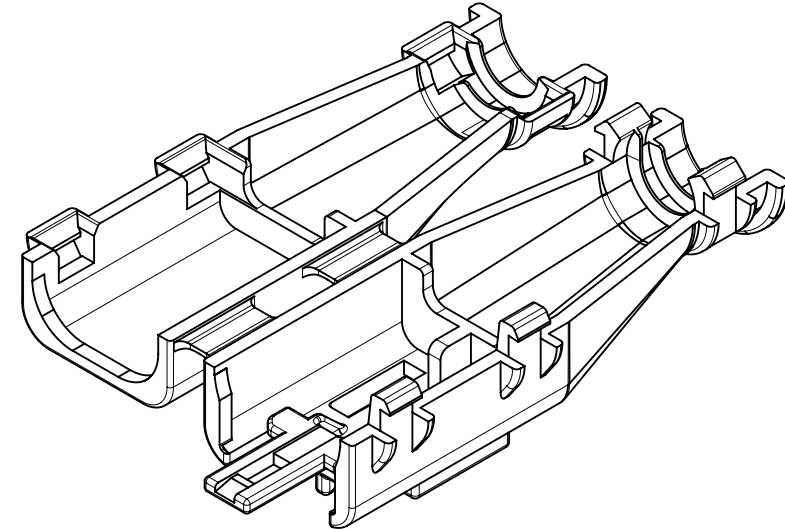
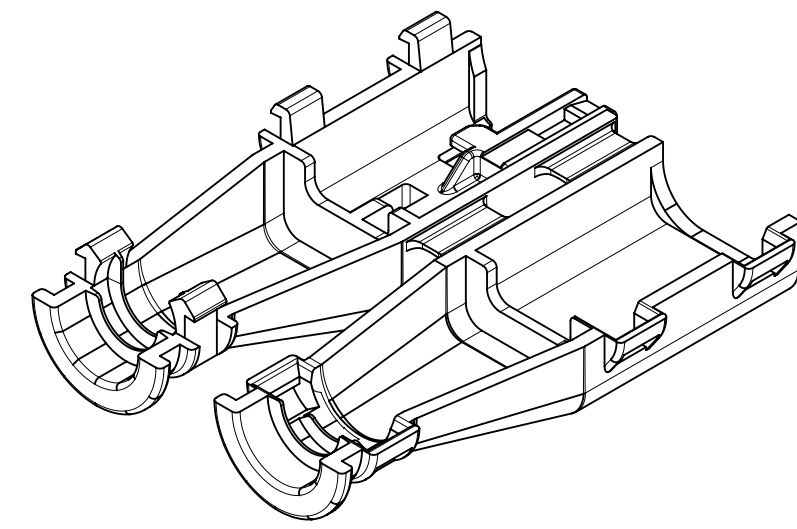
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS <b>mm</b>	SCALE <b>1:1</b>	CURRENT REV DESC: SEE REVISION TABLE		<b>molex</b>			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 645317					
ANGULAR TOL ± 3.0°	4 PLACES ±	DRWN: MKP 2020/08/07		PRODUCT CUSTOMER DRAWING			
3 PLACES ±	2 PLACES ± 0.1	CHK'D: MJMITCHELL 2020/09/21					
1 PLACE ± 0.2	0 PLACES ±	APPR: MJMITCHELL 2020/09/21		DOC TYPE <b>PSD</b>			
INITIAL REVISION: DRWN: MVANSLAMBROU 2009/02/24 APPR: VKOSHY 2009/02/24		SERIES <b>33481</b>					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		REVISION <b>A13</b>			
DRAWING <b>D-SIZE</b>		CUSTOMER <b>SEE BOM</b>					
GENERAL MARKET		GENERAL MARKET					



KEY A, YELLOW	33481-2210					A	GCO						SALEABLE		34948-0210	34948-0220
KEY A, BLACK	33481-2209	A						GCP2			2		SALEABLE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-2208			D				GCP		1	2		SALEABLE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-2207			C				GCP		1	2		SALEABLE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-2206		B					GCP		1	2		SALEABLE		34948-0210	34948-0220
KEY A, BLACK	33481-2205	A						GCP		1	2		SALEABLE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-2204			D			GCO						SALEABLE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-2203			C			GCO						SALEABLE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-2202		B				GCO						SALEABLE		34948-0210	34948-0220
KEY A, BLACK	33481-2201	A					GCO						SALEABLE		34948-0210	34948-0220
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBERS	A	B	C	D	A	GCO	GCP	GCP2	1	2		STATUS	COMMENTS	BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
		BLOCKED TERMINAL										OPTIONAL ATTACHMENTS				
CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION										SOLD SEPARATELY						
CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																
MAT SEAL			GREEN			INHERENTLY LUBRICATED SILICONE										
PLR			NATURAL			SPS/NYLON GF20										
GROMMET CAP (CAVITY 2 PLUGGED)			BLACK			SPS/NYLON GF20										
GROMMET CAP (PLUGGED)			BLACK			SPS/NYLON GF20										
GROMMET CAP (OPEN)			BLACK			SPS/NYLON GF20										
HOUSING - KEYING OPTION A			YELLOW			SPS/NYLON GF20										
HOUSING - KEYING OPTION D			STONE GRAY			SPS/NYLON GF20										
HOUSING - KEYING OPTION C			DARK GRAY			SPS/NYLON GF20										
HOUSING - KEYING OPTION B			LIGHT GRAY			SPS/NYLON GF20										
HOUSING - KEYING OPTION A			BLACK			SPS/NYLON GF20										
DESCRIPTION			COLOR			MATERIAL										
BOM/APPLICABLE COMPONENTS TABLE																

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: SEE REVISION TABLE															
mm		1:1		<div style="text-align: center; font-size: 24pt; font-weight: bold;">molex</div> <p>MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL</p> <p>PRODUCT CUSTOMER DRAWING</p>															
GENERAL TOLERANCES (UNLESS SPECIFIED)																			
ANGULAR TOL ± 3.0°																			
4 PLACES ±		EC NO: 645317																	
3 PLACES ±		DRWN: MKP 2020/08/07																	
2 PLACES ± 0.1		CHK'D: MJMITCHELL 2020/09/21																	
1 PLACE ± 0.2		APPR: MJMITCHELL 2020/09/21																	
0 PLACES ±		INITIAL REVISION:																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				D-SIZE		33481		SEE BOM		GENERAL MARKET		SD-33481-021		PSD		001		A13	



1X2 BLADE

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	BACKSHELL DETAIL

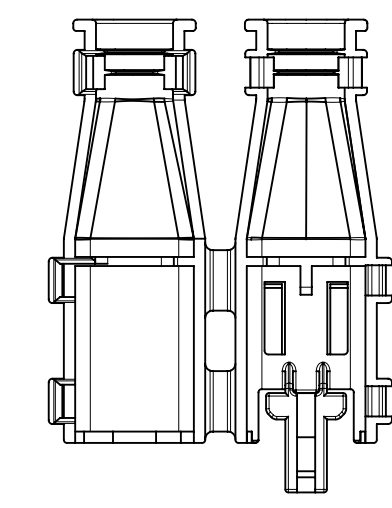
BILL OF MATERIALS (BOM)				
PART NUMBER	CIRCUIT SIZE	RIBS	STATUS	MATING ASSEMBLY DRAWING
34948-0210	1X2	YES	SALEABLE	SD-33481-021
34948-0220	1X2	NO	SALEABLE	SD-33481-021

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

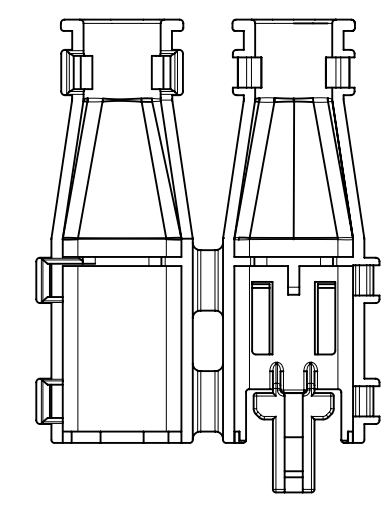
1. GENERAL:
  - a. APPLICATION SPECIFICATION SEE: AS-34951-001
    - DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN BOM
    - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
    - BACKSHELL DESIGN IS OWNED BY SCHLEMMER
  - b. PRODUCT SPECIFICATION
    - THESE PRODUCTS ARE ONE TIME USE ONLY.
    - REMOVAL FORCE OF THE BACKSHELL FROM THE MOLEX CONNECTOR TO BE 100N MIN.
    - REMOVAL FORCE OF SLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
    - REMOVAL FORCE OF UNSLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
  - c. PACKAGING SPECIFICATION SEE PK-31302-118
  - 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)
  - f. FOLLOWING PRODUCTION CODES TO BE PRESENT
    - DATE CODE
    - MOLD CAVITY CODE
    - MOLEX LOGO
    - RECYCLE CODE
    - SUPPLIER PART NUMBER
2. DESIGN - MATERIALS:
  - a. PA66 0% GLASS FILLED
  - b. BLACK
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. CORNERS SHOWN AS SHARP TO BE R 0.1.
  - d. VISUAL DEFECTS SHALL MEET COSMETEIC STANDARD PS-45499-002 (CLASS B).
  - e. DRAFT OF 2° PRESENT.
  - f. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

A3	MIGRATED TO NX & ADDED BALLLOON NUMBERS
A2	UPDATED BILL OF MATERIALS
A1	UPDATED STATUS COLUMN
A	INITIAL RELEASE
REV	DESCRIPTION

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MIGRATED TO NX	
	DIMENSION UNITS	SCALE		
$F_A = 0$	mm	1.5:1		
$F_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$F_D = 0$	ANGULAR TOL $\pm 1.0^\circ$			
DIVISIONAL SYMBOLS	4 PLACES	$\pm$	EC NO: 636032	
	3 PLACES	$\pm$	DRWN: VRAMAKANTALA 2020/04/15	
	2 PLACES	$\pm 0.13$	CHK'D: MVANSLAMBROU 2020/04/17	
	1 PLACE	$\pm 0.25$	APPR: MVANSLAMBROU 2020/04/17	
	0 PLACES	$\pm$	INITIAL REVISION: DRWN: KCUNNINGHAM 2013/06/10 APPR: VKOSHY 2013/06/11	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			D-SIZE	34948
		MATERIAL NUMBER		CUSTOMER
		SD-34948-0001		GENERAL MARKET
		SEE BOM		1 OF 3



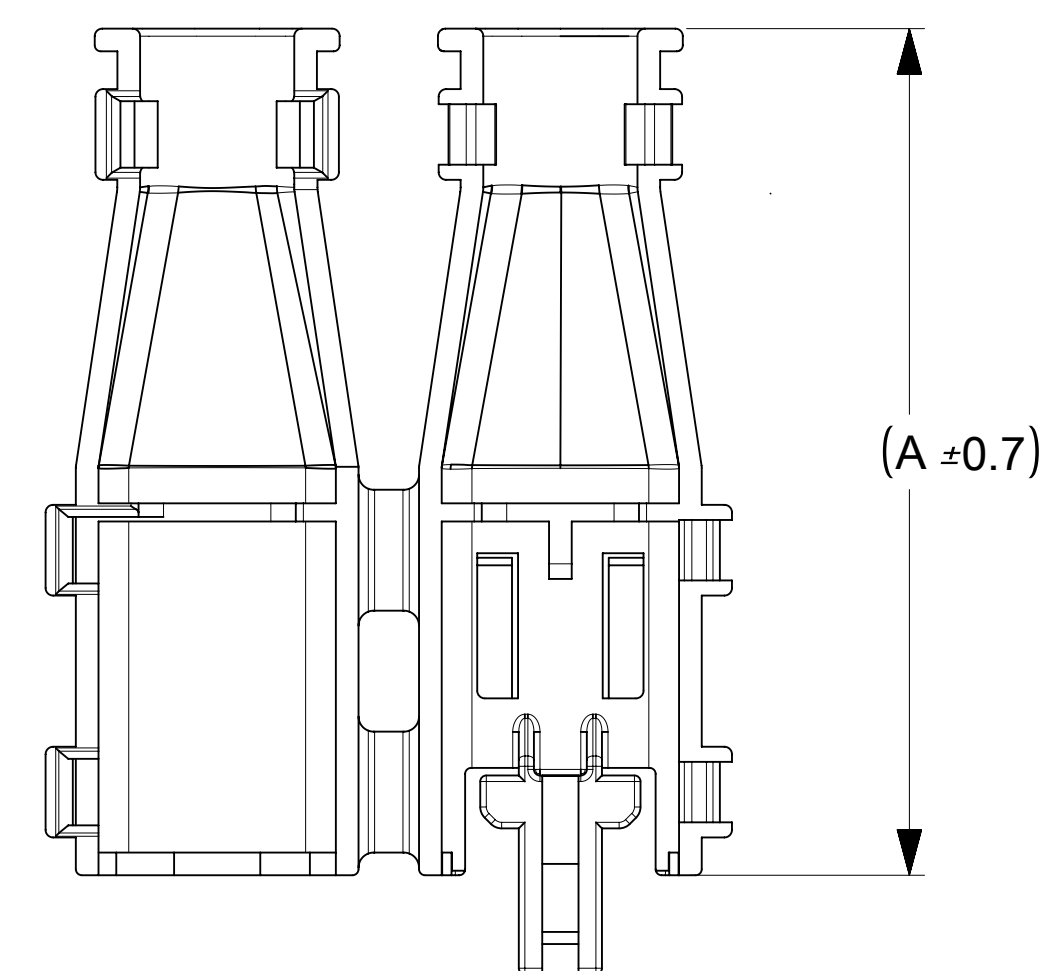
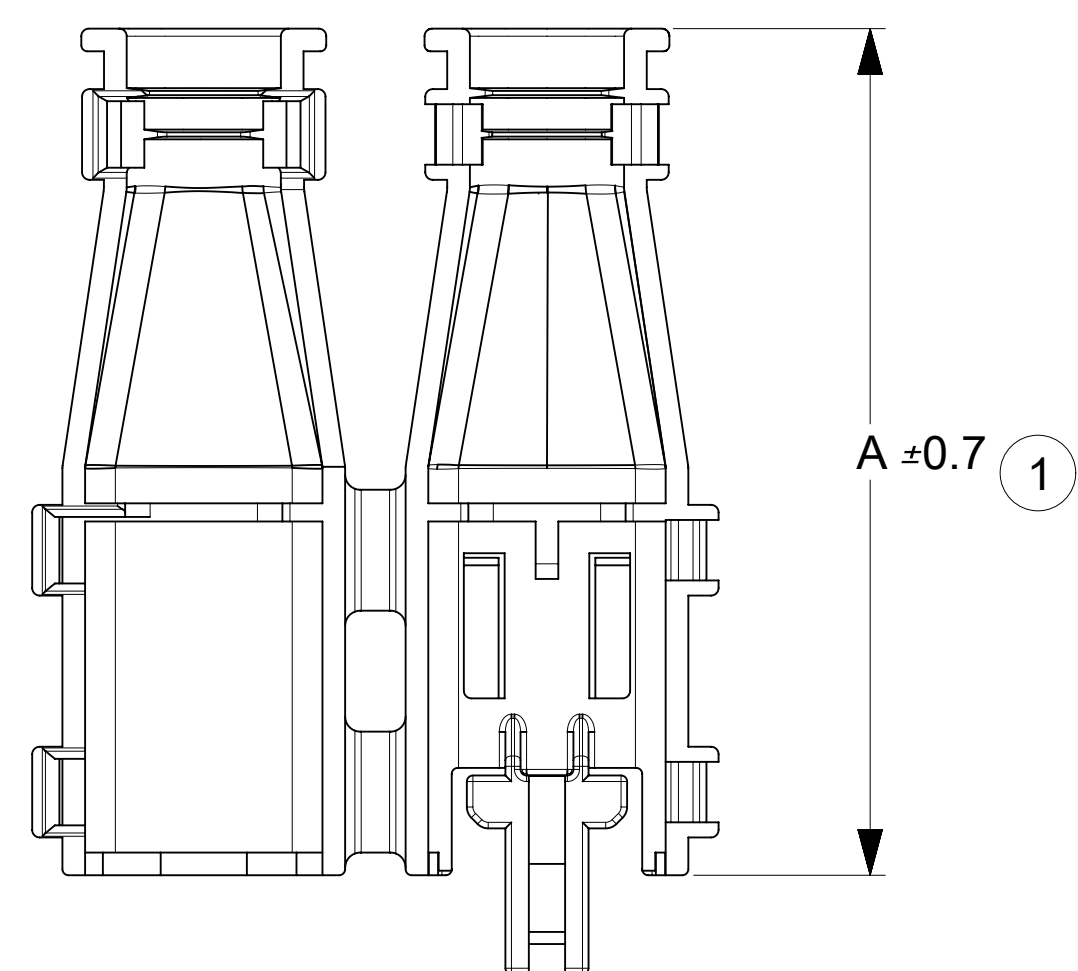
34948-0210  
1X2 BLADE WITH RIBS



34948-0220  
1X2 BLADE WITHOUT RIBS

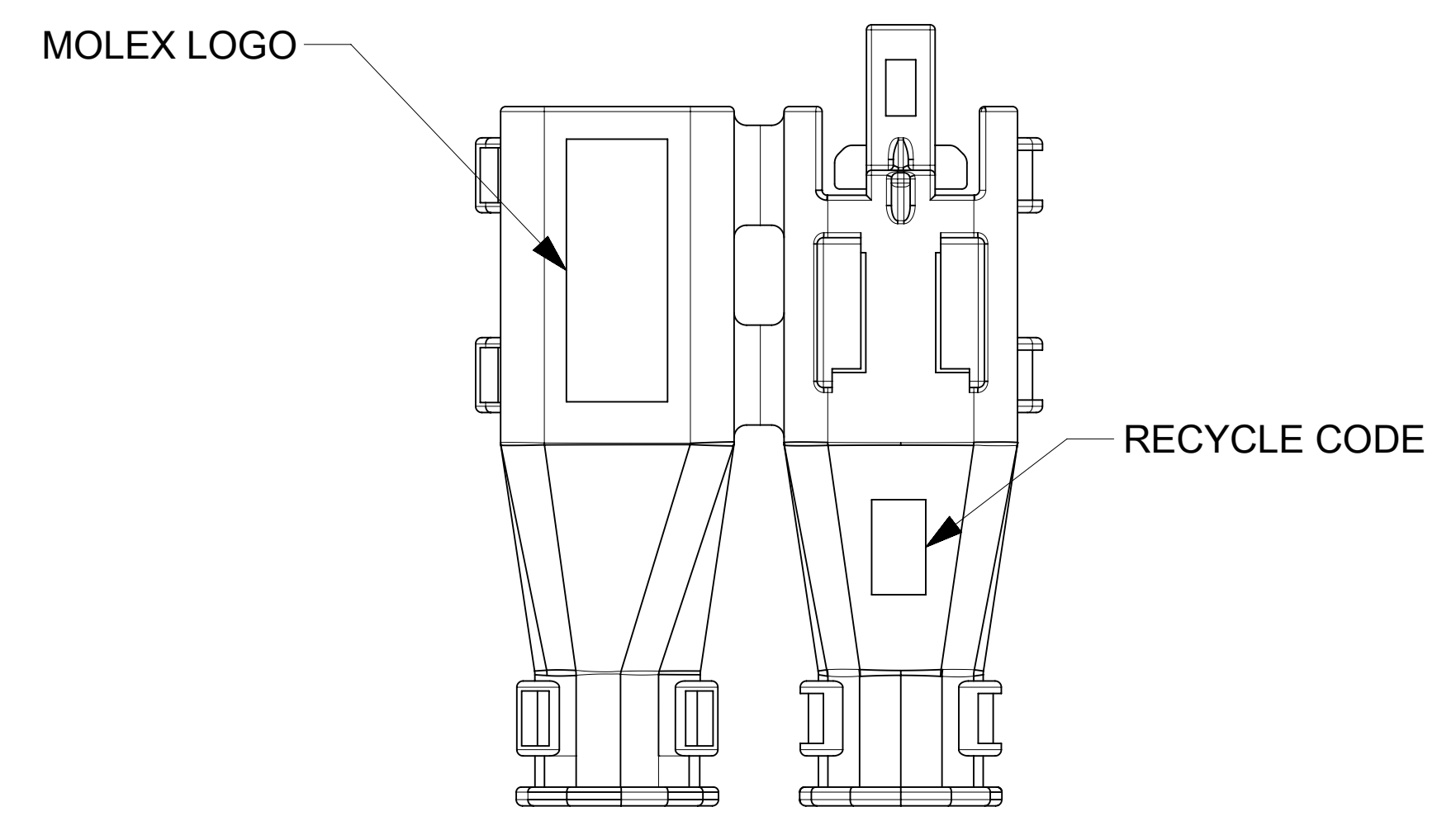
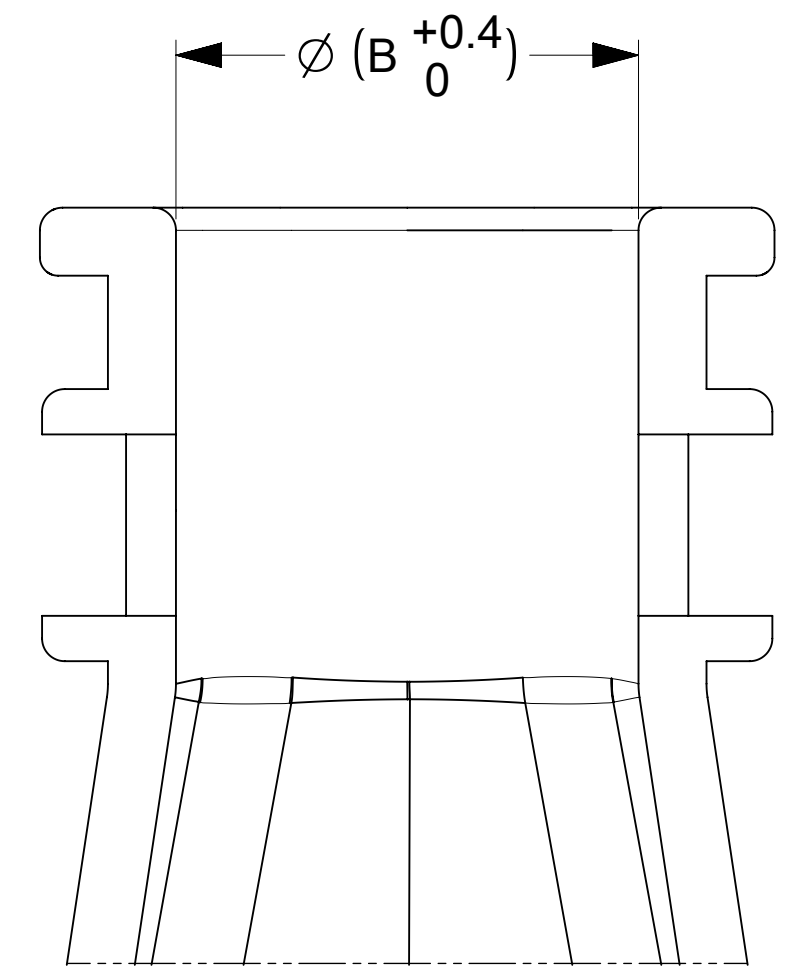
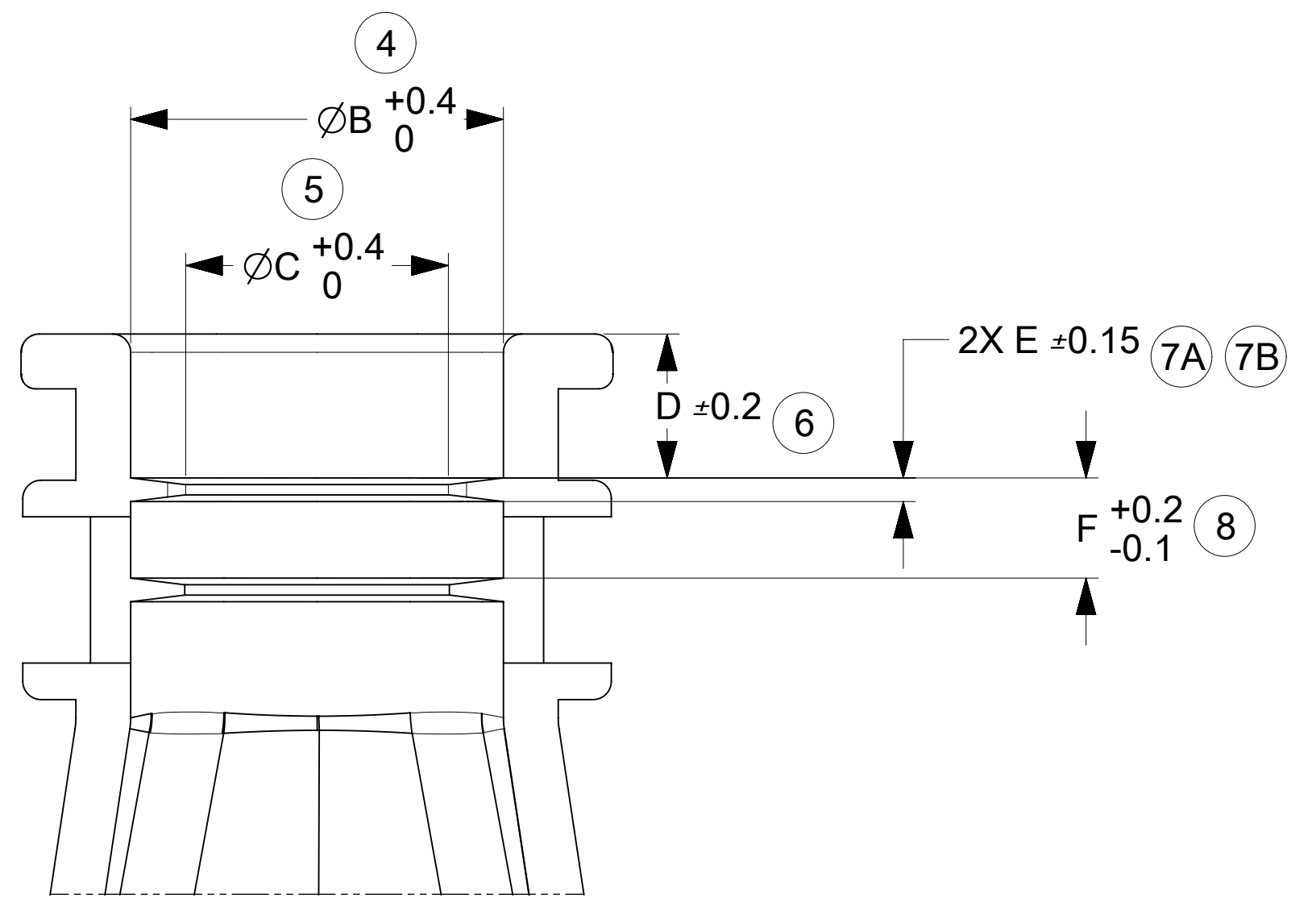
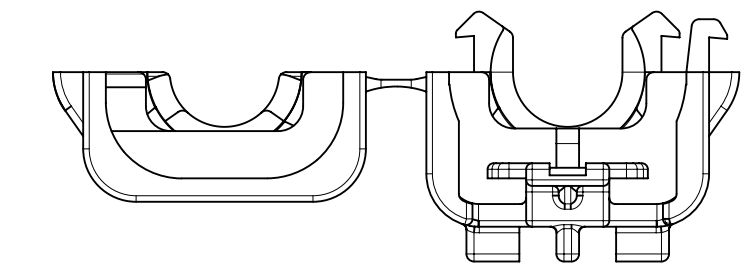
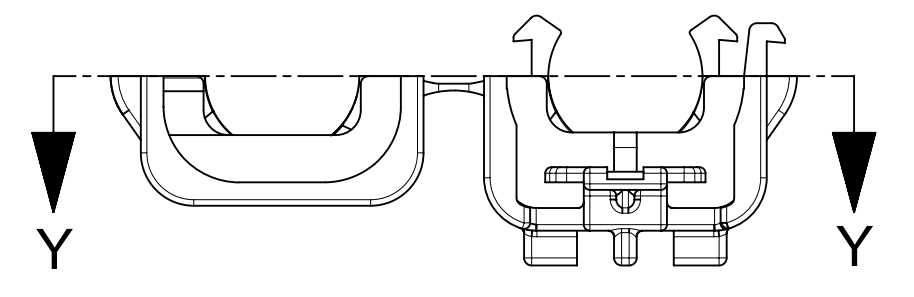
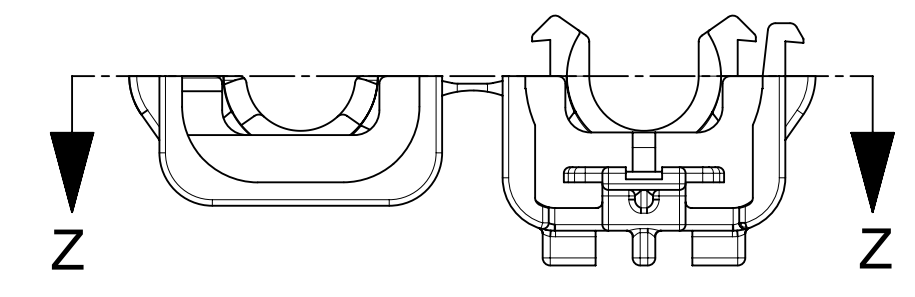
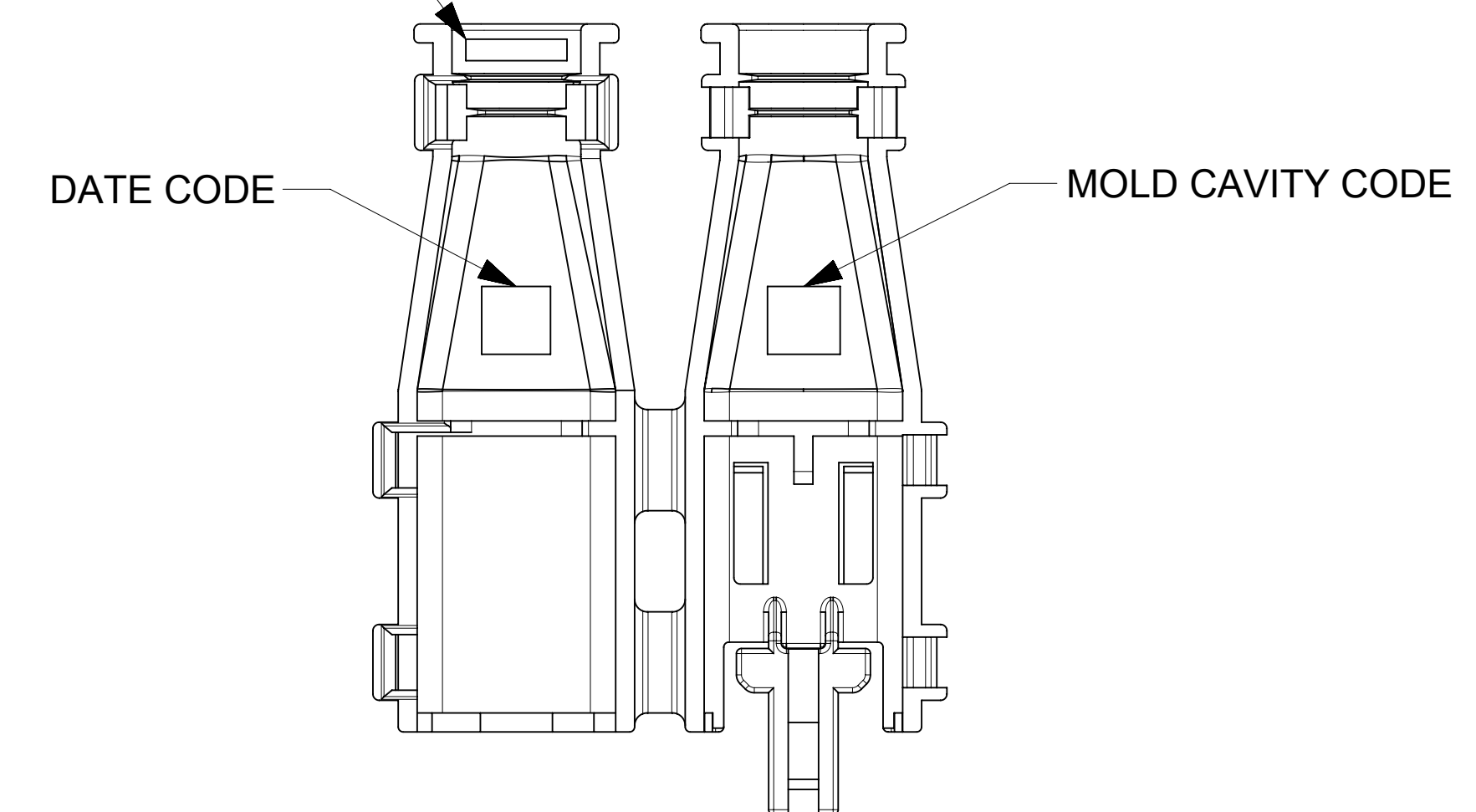
# CONFIGURATION

<b>FUNCTIONAL SYMBOLS</b> $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_D = 0$ <b>DIVISIONAL SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MIGRATED TO NX					
	DIMENSION UNITS	SCALE	EC NO: 636032					
	mm	1:1	DRWN: VRAMAKANTALA 2020/04/15		<b>MX150 BLADE</b> <b>SINGLE ROW BACKSHELL</b>			
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: MVANSLAMBROU 2020/04/17					
	ANGULAR TOL $\pm$ 1.0°		APPR: MVANSLAMBROU 2020/04/17		PRODUCT CUSTOMER DRAWING			
	4 PLACES $\pm$		INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE	DOC PART
3 PLACES $\pm$		DRWN: KCUNNINGHAM 2013/06/10		SD-34948-0001		PSD	001	A3
2 PLACES $\pm$ 0.13		APPR: VKOSHY 2013/06/11		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
1 PLACE $\pm$ 0.25		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		GENERAL MARKET		2 OF 3
0 PLACES $\pm$		THIRD ANGLE PROJECTION		DRAWING		SERIES		
				D-SIZE		34948		



SCHLEMMER PART NUMBER

BACKSHELL DETAIL



SECTION Z-Z

SECTION Y-Y

SCALE 6:1  
WITH RIBS

SCALE 6:1  
WITHOUT RIBS

PART NUMBER	DIMENSIONS					
	A	B	C	D	E	F
34948-0210	56	10.2	7.2	3.9	0.65	2.7
34948-0220	56	10.2	N/A	N/A	N/A	N/A

<b>FUNCTIONAL SYMBOLS</b> $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_D = 0$ <b>DIVISIONAL SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MIGRATED TO NX	
	DIMENSION UNITS	SCALE	EC NO: 636032	
	mm	2:1	DRWN: VRAMAKANTALA 2020/04/15	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: MVANSLAMBROU 2020/04/17	
ANGULAR TOL ± 1.0°		APPR: MVANSLAMBROU 2020/04/17		
4 PLACES ±		INITIAL REVISION:		
3 PLACES ±		DRWN: KCUNNINGHAM 2013/06/10		
2 PLACES ± 0.13		APPR: VKOSHY 2013/06/11		
1 PLACE ± 0.25		DRAFT WHERE APPLICABLE		
0 PLACES ±		MUST REMAIN WITHIN DIMENSIONS		
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER
		D-SIZE	34948	SEE BOM
		CUSTOMER		SHEET NUMBER
		GENERAL MARKET		3 OF 3

**molex**

MX150 BLADE  
SINGLE ROW BACKSHELL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34948-0001	PSD	001	A3