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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:

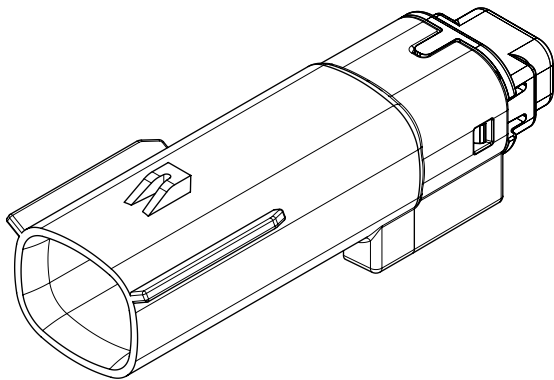
- a. FOR BILL OF MATERIALS SEE:
- STANDARD CONFIGURATION: SD-33481-0002
 - UL V0 CONFIGURATION: SD-160106-0002

3. DESIGN - GEOMETRY:

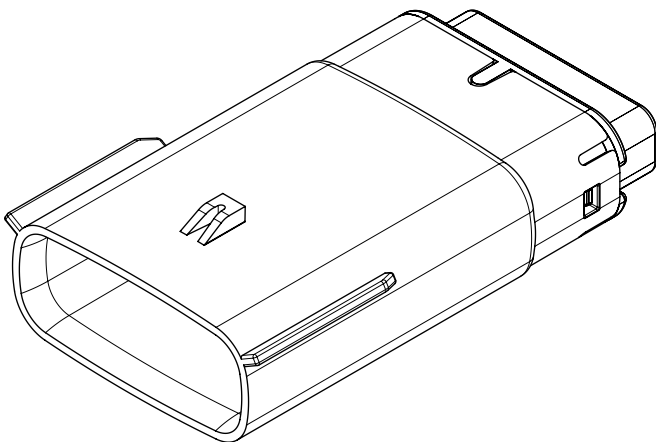
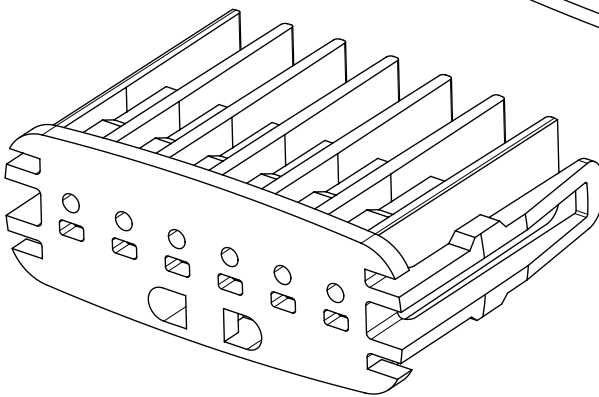
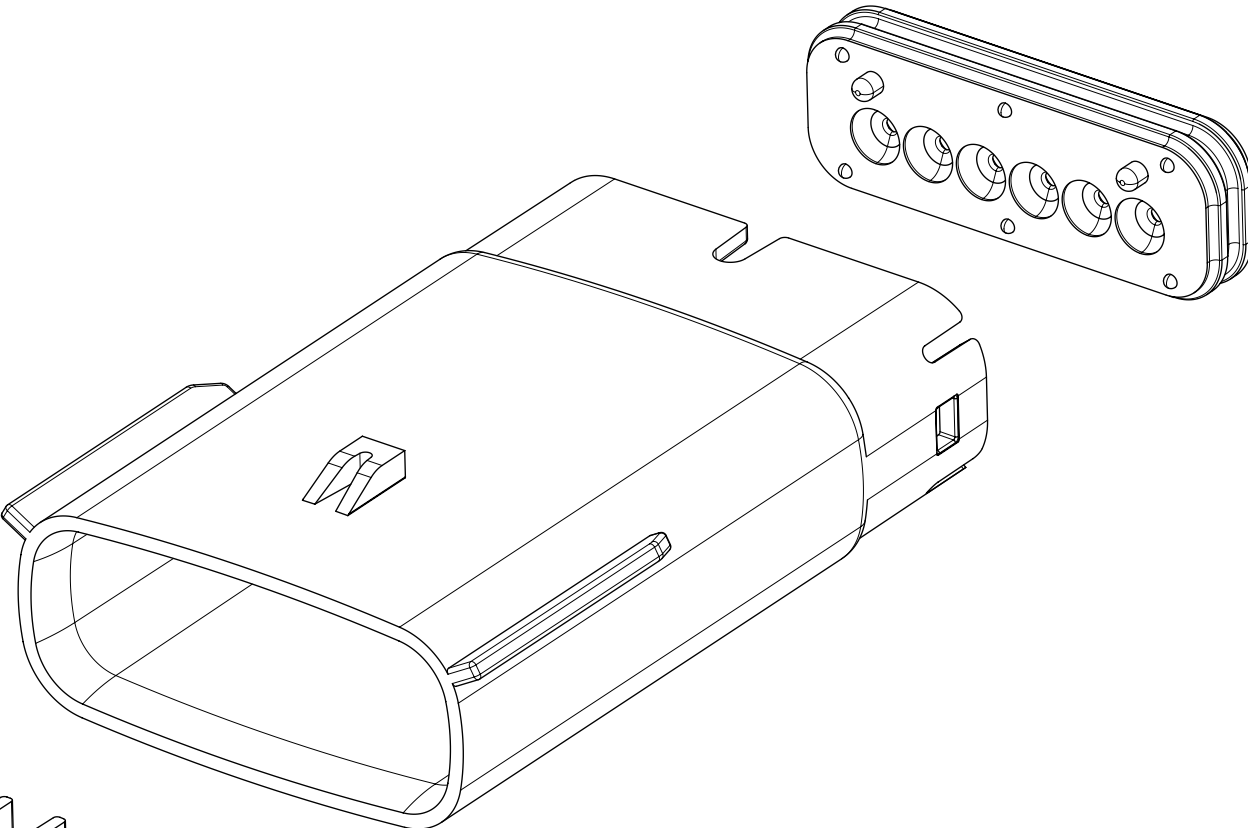
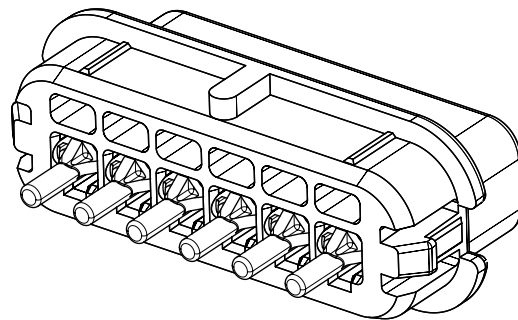
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED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



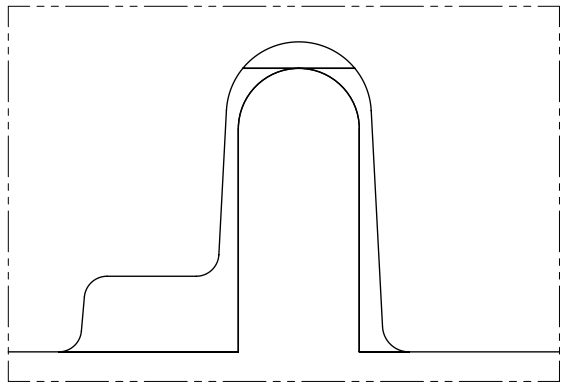
1X6

INSPECTION NUMBER LOG	
LAST NUMBER: 9	
ADDED:	
REMOVED:	

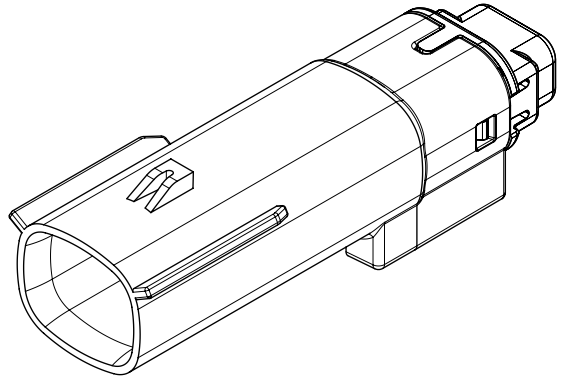
A1	NX REMASTERING , CHANGE PS DRAWING NUMBER FROM PS-160105-0001 TO PS-160074-0001 IN NOTES 1.b
A	MINOR GEOMETRY CHANGE FOR UL V0
2	UPDATED VIEWSETS
1	INITIAL RELEASE
REV	REV DESCRIPTION

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:			molex						
 = 0	MM ONLY		1.5:1											
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL									
 = 0	ANGULAR TOL ± 1.0 °													
 = 0	4 PLACES		±		EC NO: 602373			PRODUCT CUSTOMER DRAWING						
 = 0	3 PLACES		±		DRWN: DSHETTY01 2018/05/25									
 = 0	2 PLACES		± 0.1		CHK'D: MVANSLAMBROU 2018/10/04									
 = 0	1 PLACE		± 0.2		APPR: MVANSLAMBROU 2018/10/04			DOCUMENT NUMBER SD-33481-0001						
 = 0	0 PLACES		±		INITIAL REVISION:							DOC TYPE	DOC PART	REVISION
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: APROFFITT 2015/07/21			PSD	001	A1				
 = 0					APPR: KDEKOSKI 2016/06/14									
 = 0	THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
 = 0					A1-SIZE		33481		SEE NOTE 2a.		GENERAL MARKET		1 OF 9	

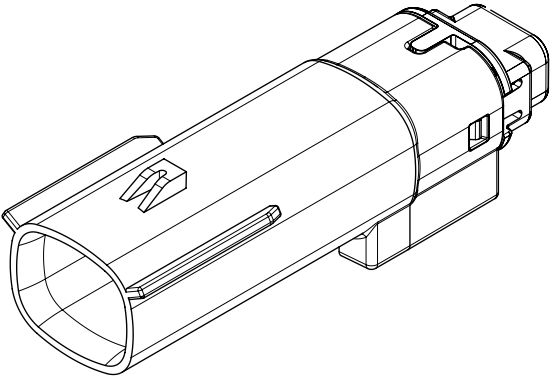
SHEET DESCRIPTION
CONFIGURATIONS



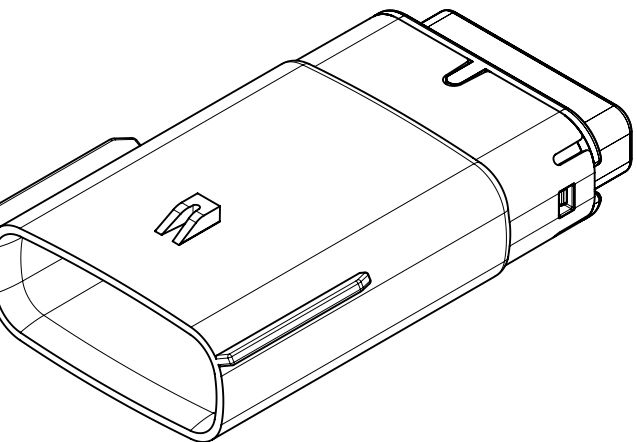
UL V0 UNIQUE FEATURE
Partial1
SCALE 10:1



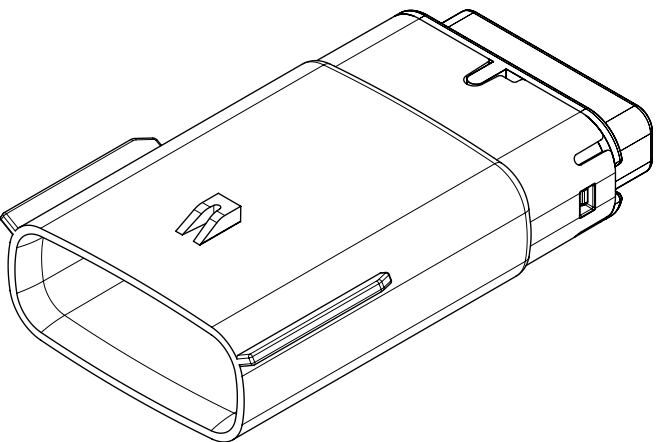
1x2 - STD



1X2 - UL V0*

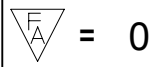
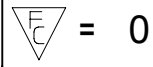
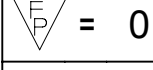
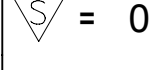
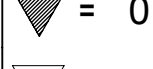
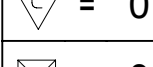
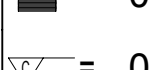
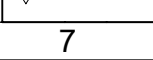


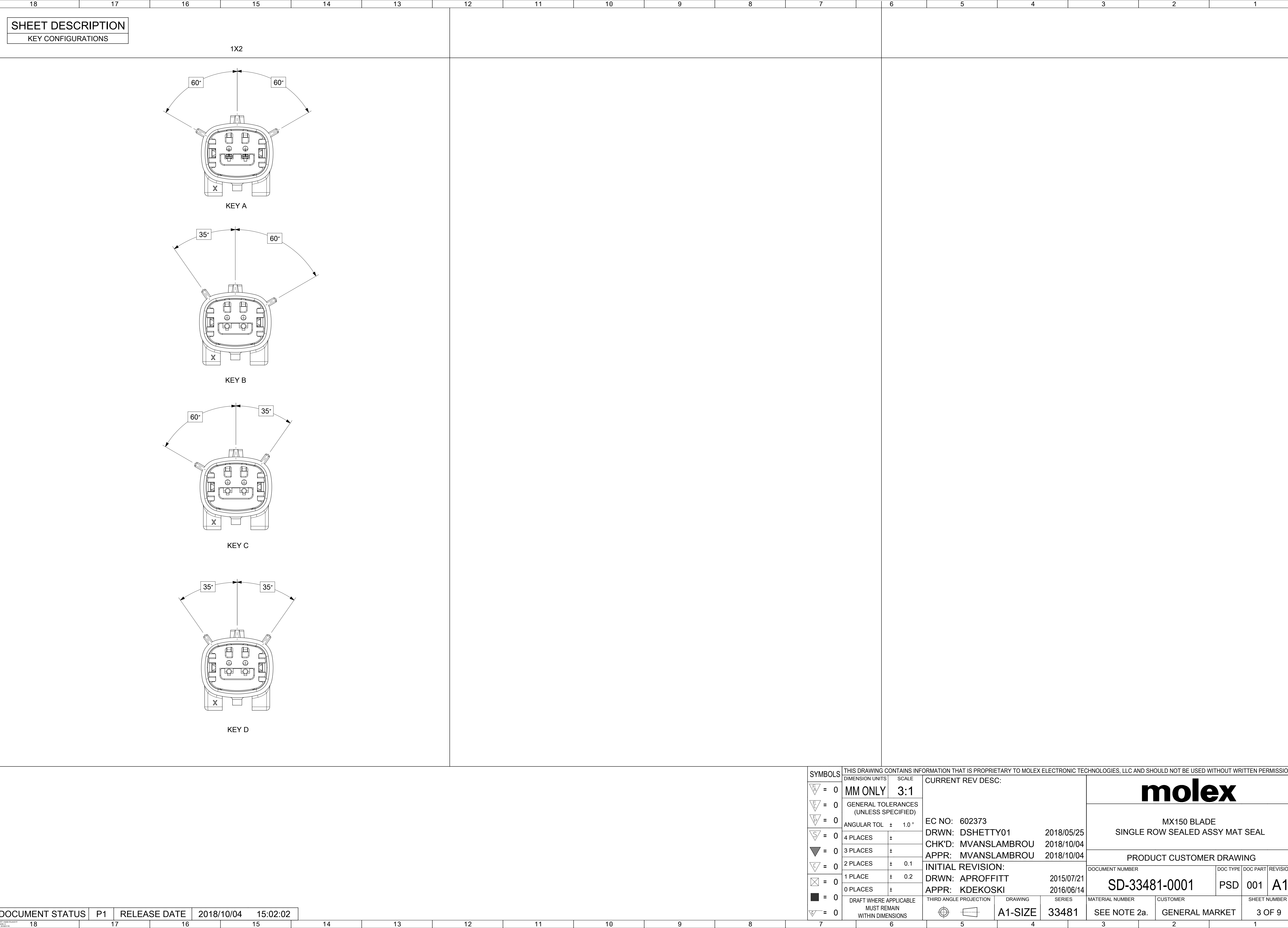
1x6 - STD



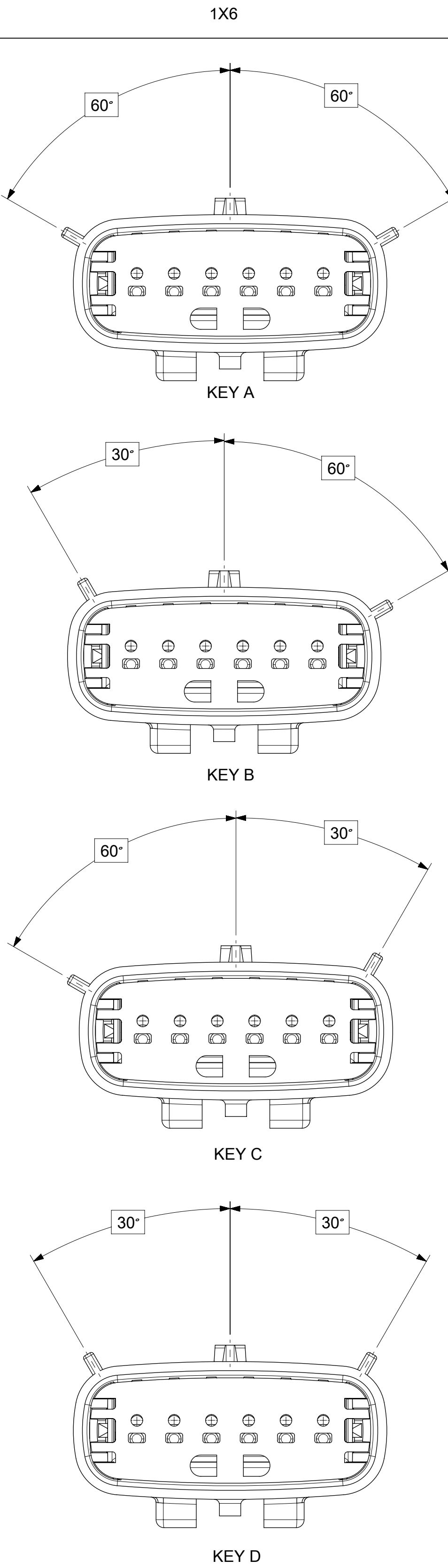
1x6 - UL V0*

* 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		CURRENT REV DESC:			
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 = 0	4 PLACES	±	PRODUCT CUSTOMER DRAWING			
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 = 0	0 PLACES	±	MATERIAL NUMBER SEE NOTE 2a. CUSTOMER GENERAL MARKET SHEET NUMBER 2 OF 9			
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			THIRD ANGLE PROJECTION 	DRAWING A1-SIZE	SERIES 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:									
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	= 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 °										
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	= 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

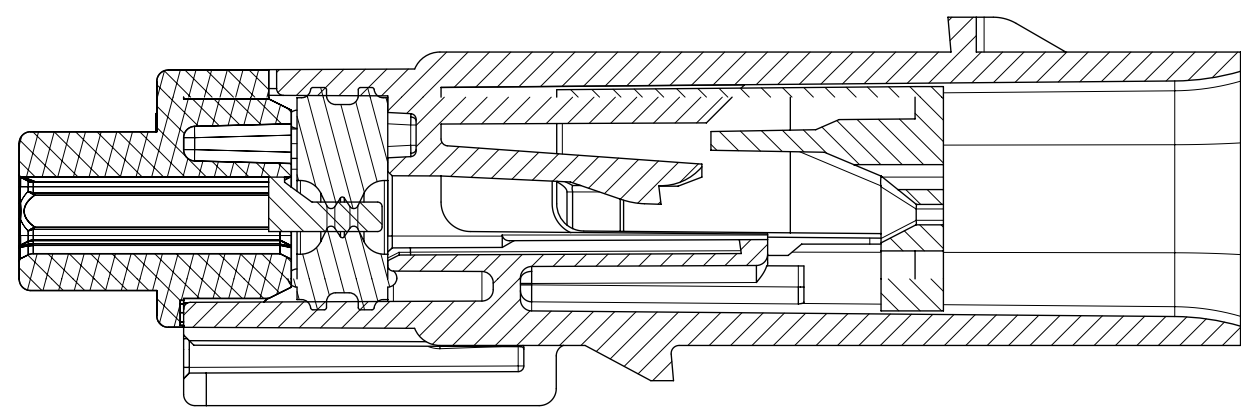
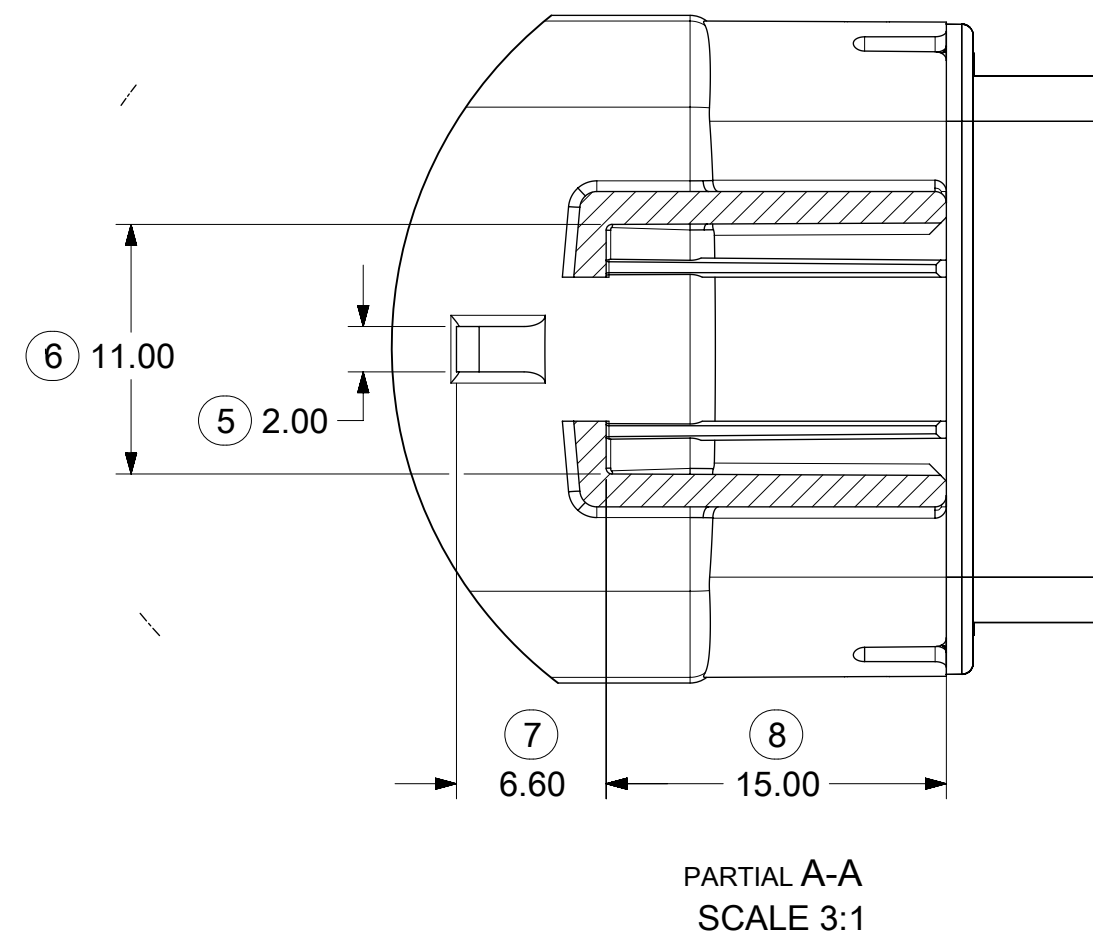
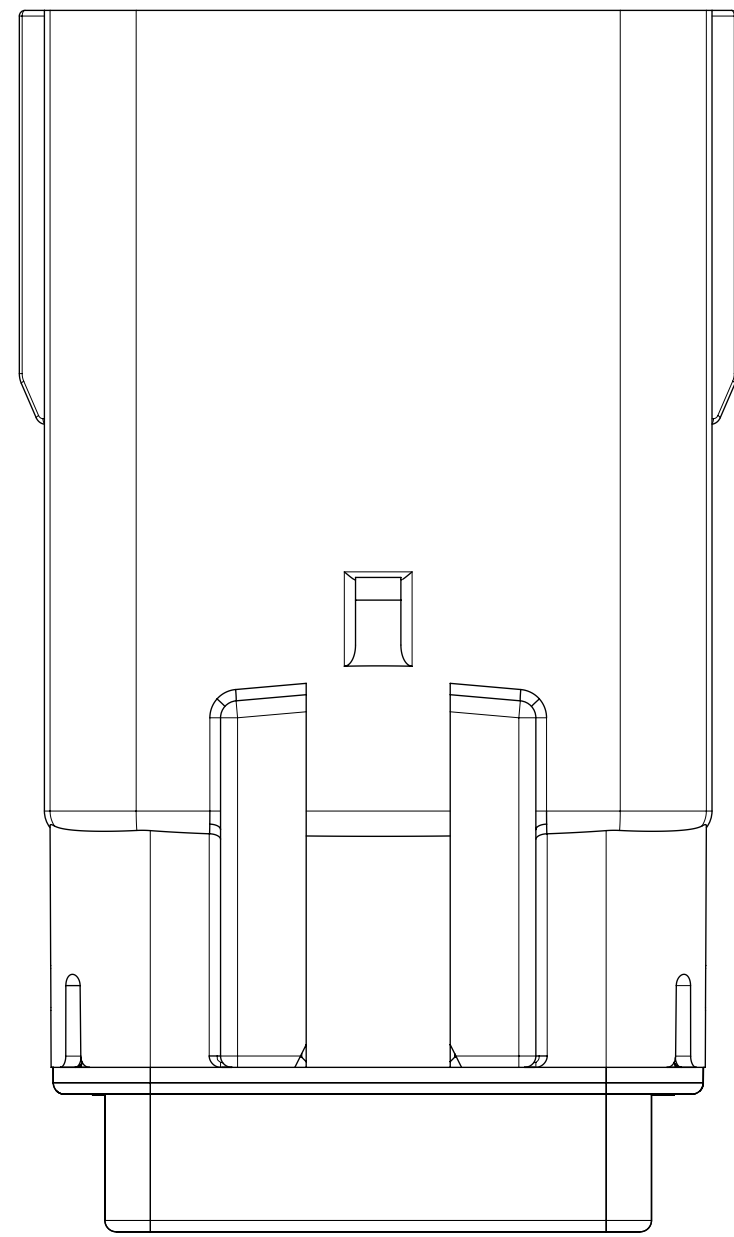
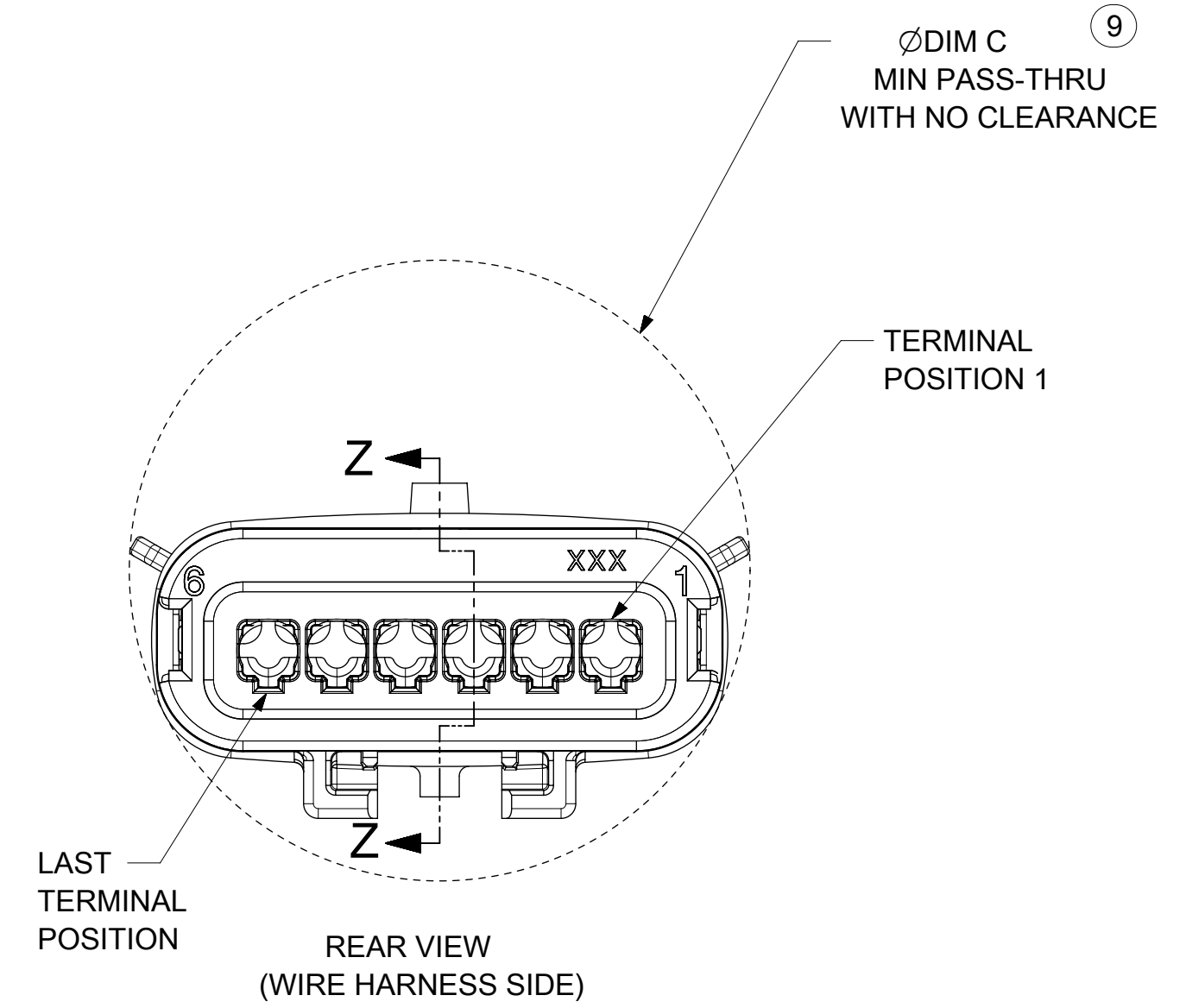
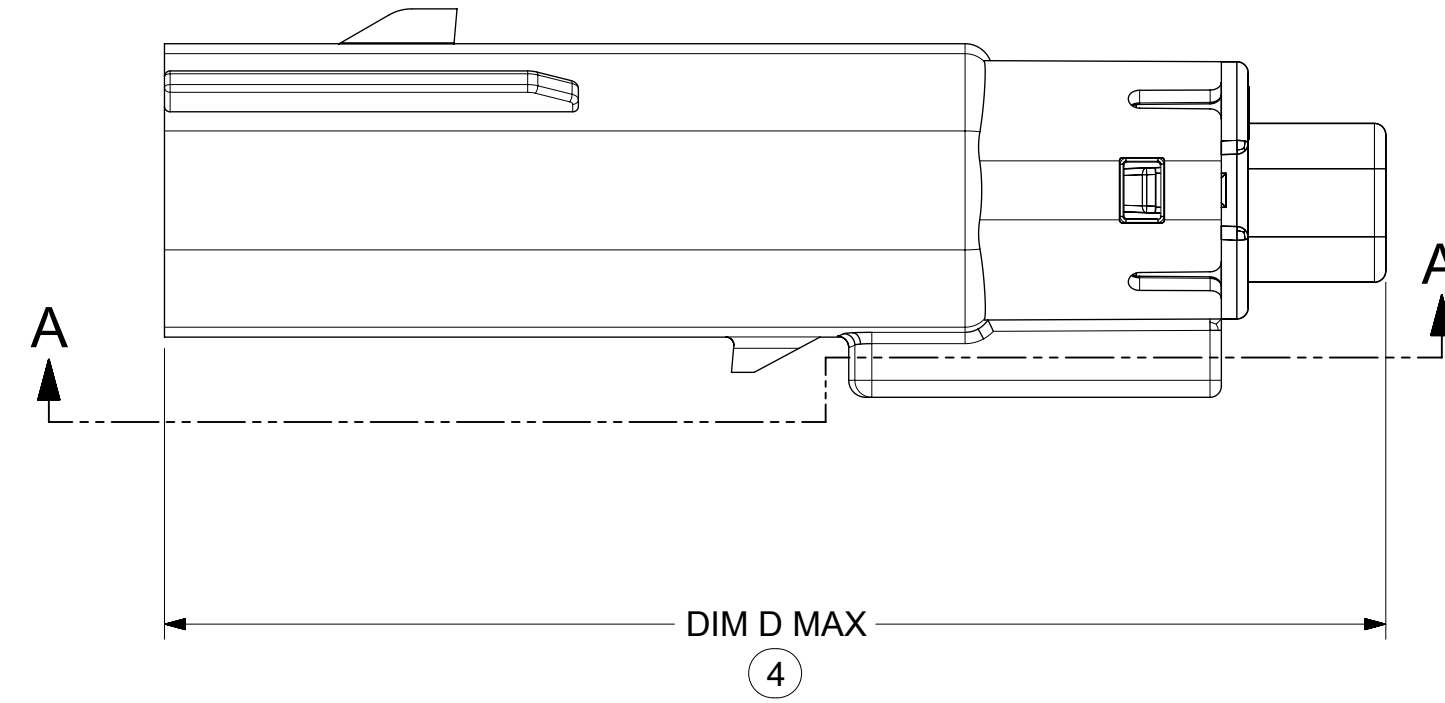
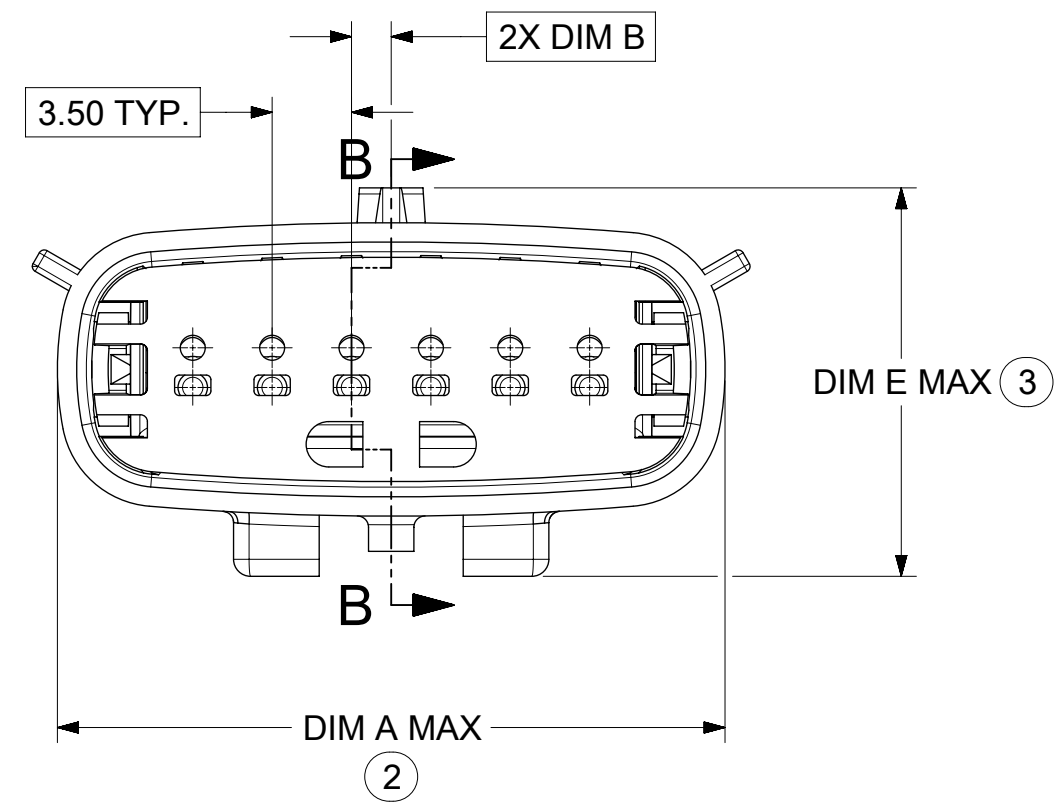
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

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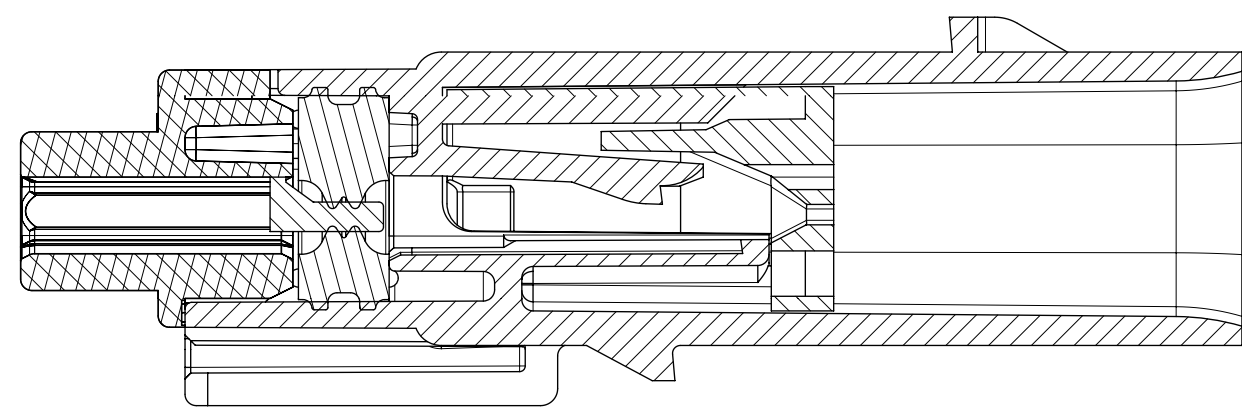
BLADE SEALED ASSEMBLY

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

Technical drawing of a mechanical component, showing a side view with a flange and a central shaft. A dimension line indicates a length of 100 units.



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



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

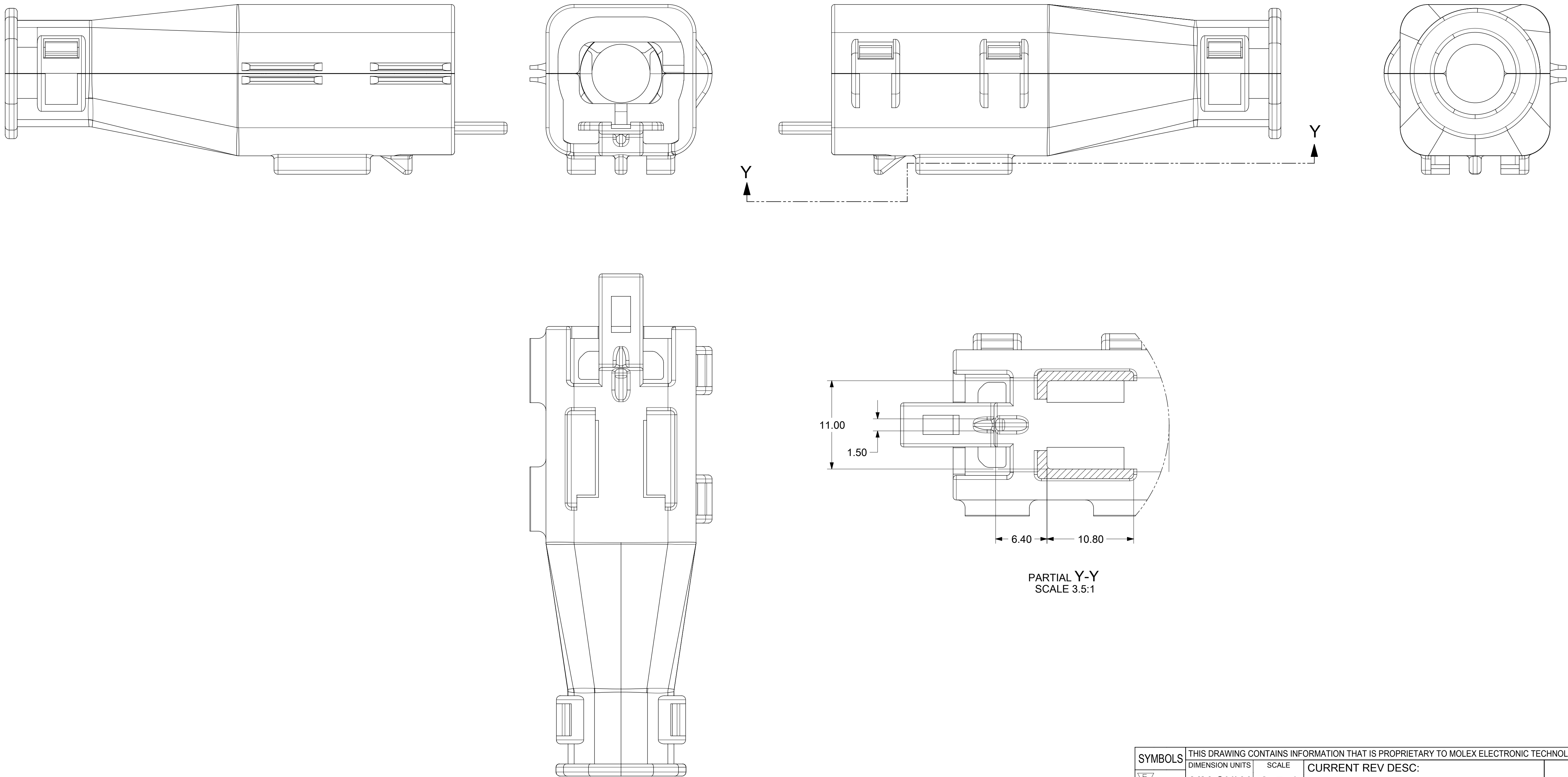
SECTION Z-Z

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex									
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	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															

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

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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	= 0	ANGULAR TOL	± 1.0 °
	= 0	4 PLACES	±
	= 0	3 PLACES	±
	= 0	2 PLACES	± 0.1
	= 0	1 PLACE	± 0.2
	= 0	0 PLACES	±
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	= 0	THIRD ANGLE PROJECTION	DRAWING
			A1-SIZE
		SERIES	33481
		MATERIAL NUMBER	SEE NOTE 2a.
		CUSTOMER	GENERAL MARKET
		SHEET NUMBER	8 OF 9

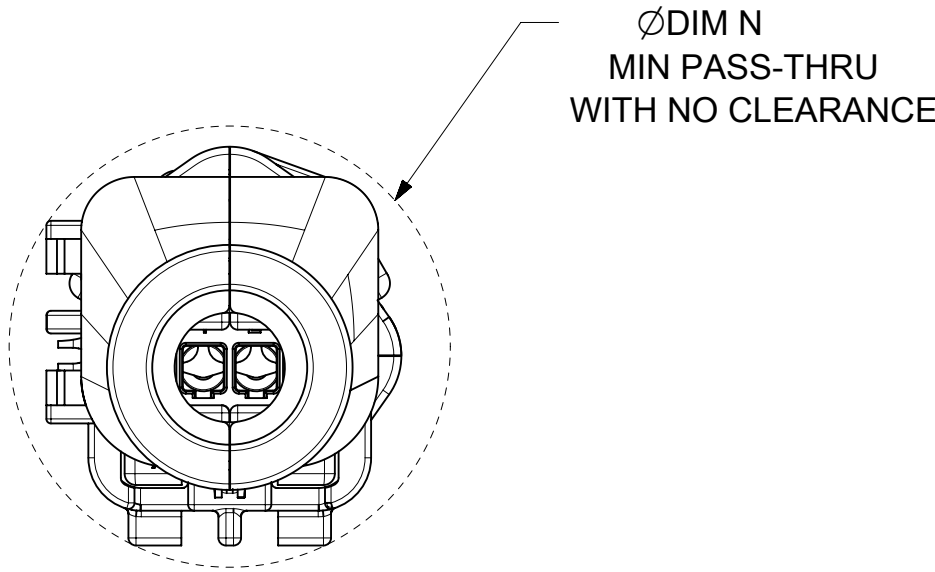
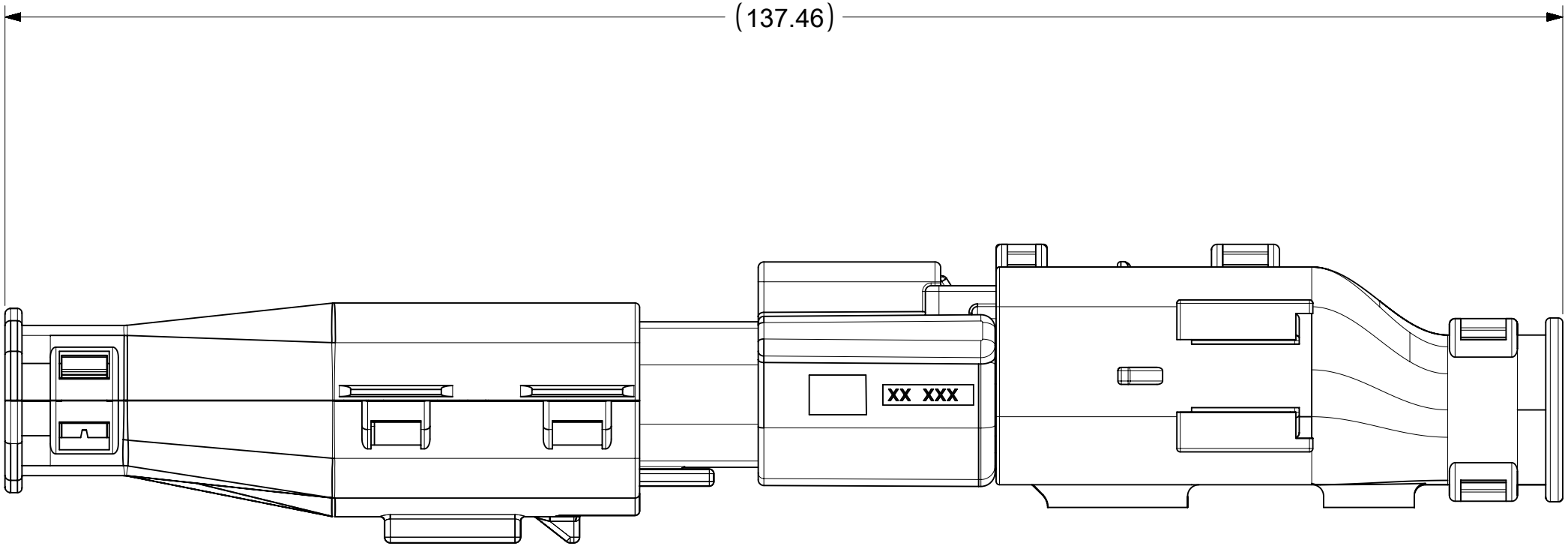
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INITIAL REVISION:			
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APPR: KDEKOSKI 2016/06/14			

DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
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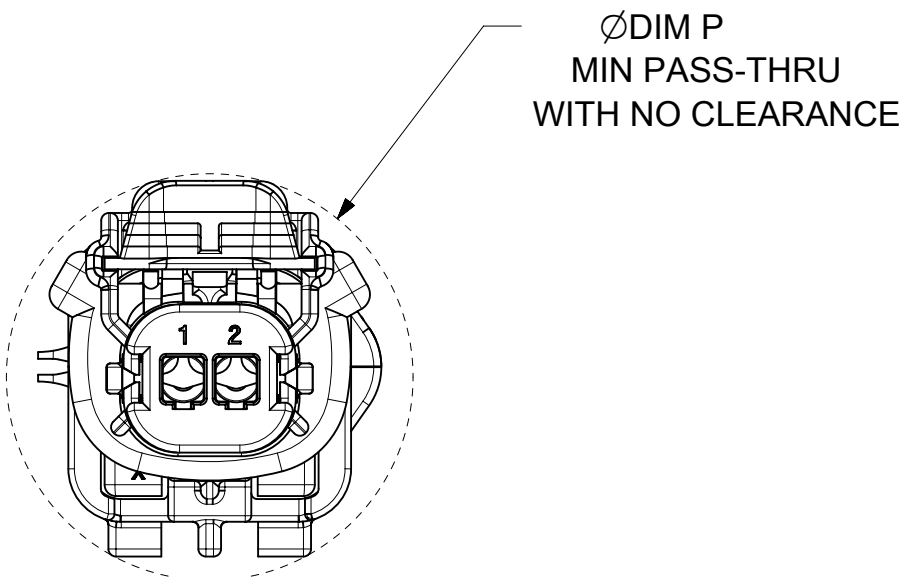
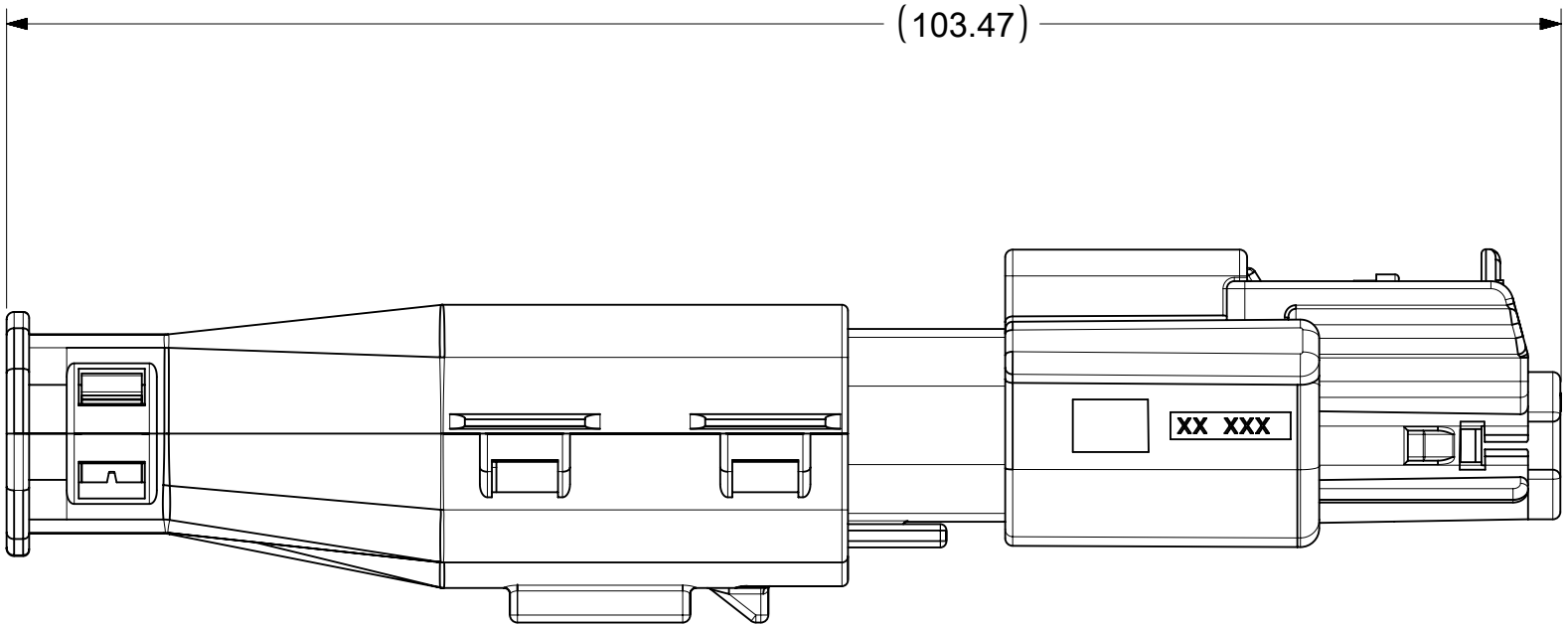
PRODUCT CUSTOMER DRAWING	
MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL	

SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

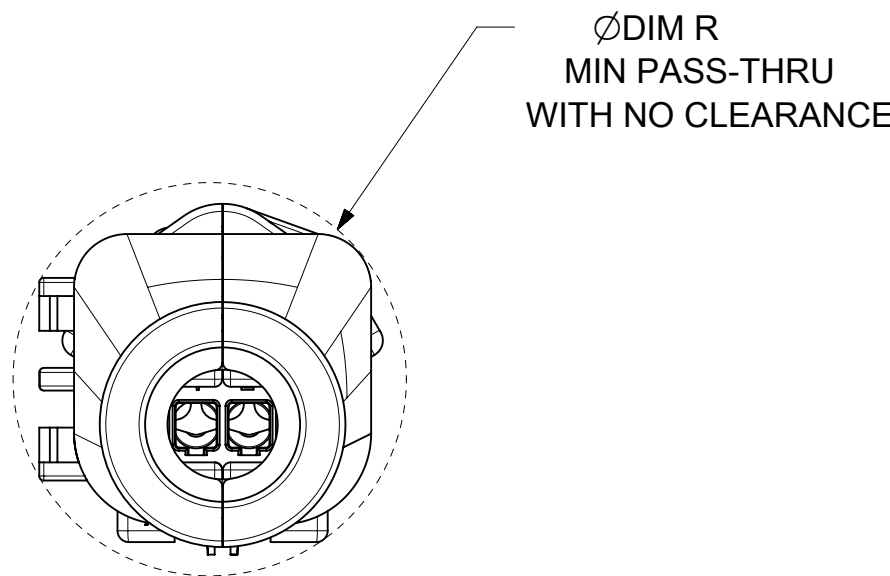
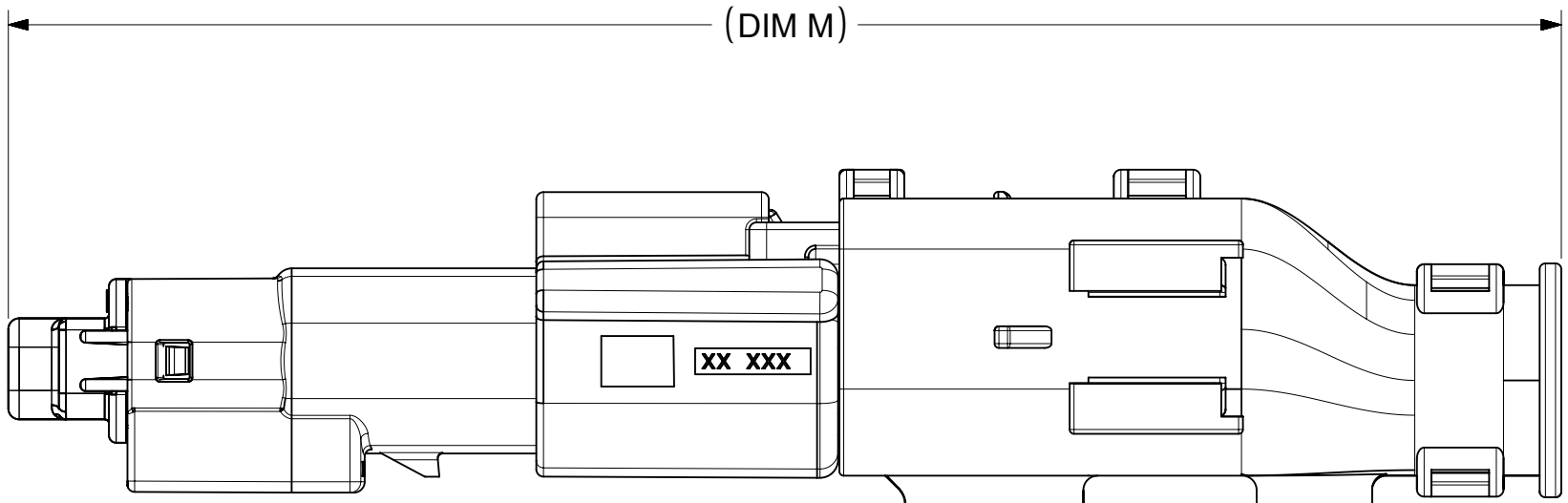
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



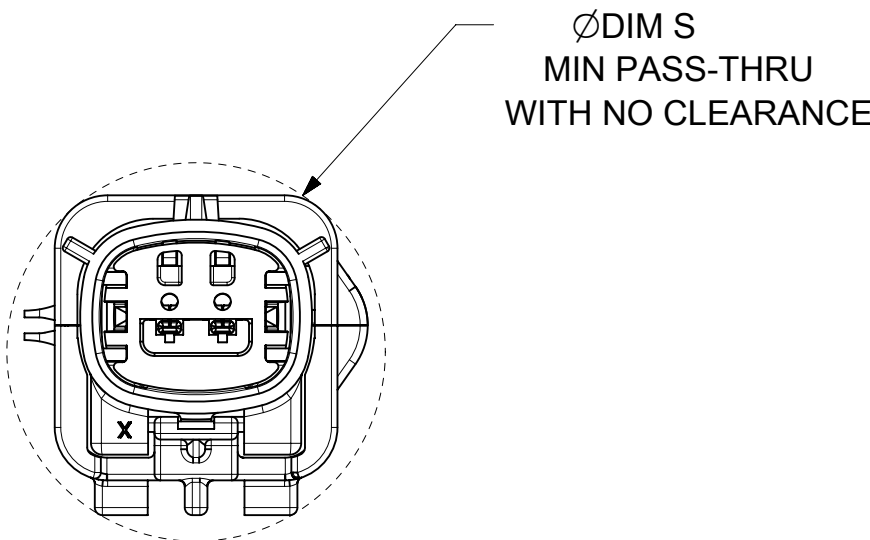
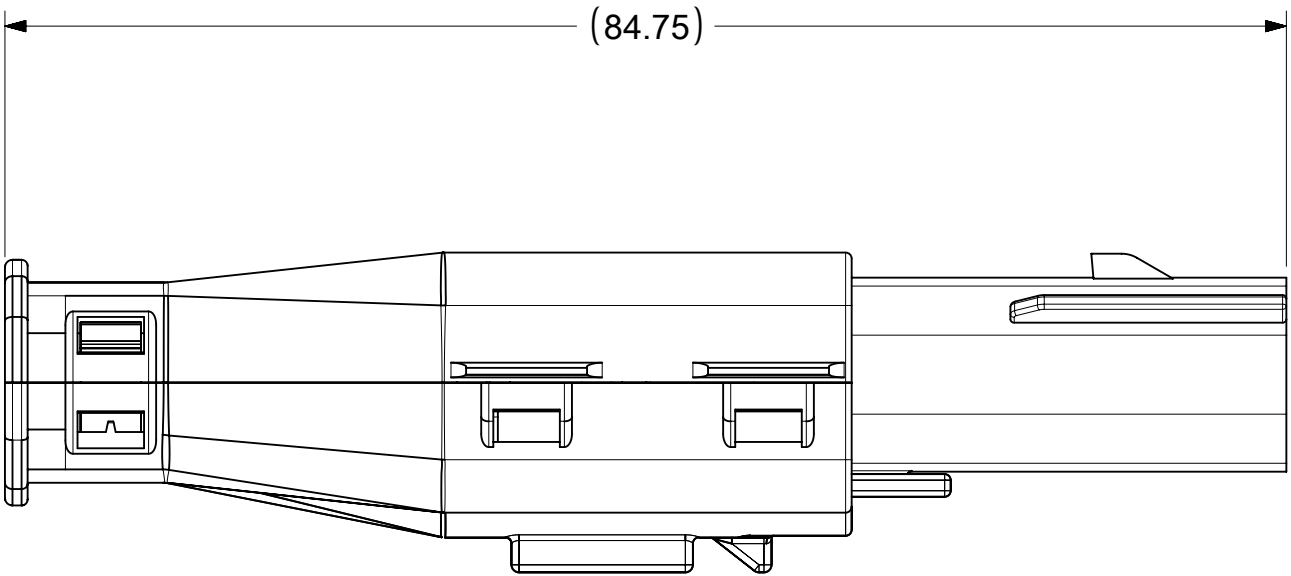
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



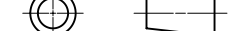
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

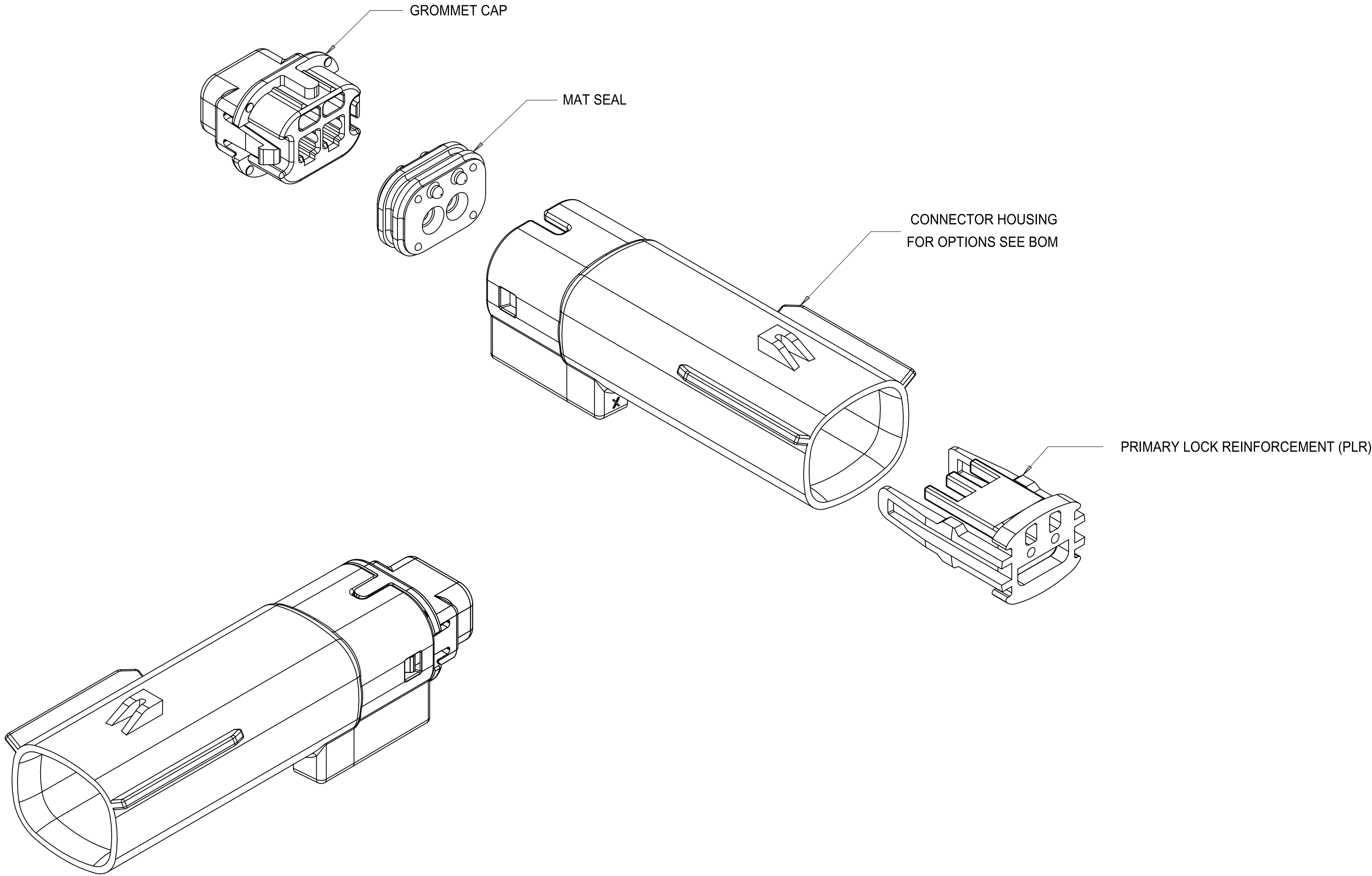


BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

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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 = 0																			
 = 0	ANGULAR TOL ± 1.0 °				INITIAL REVISION: DRWN: APROFITTT 2015/07/21 APPR: KDEKOSKI 2016/06/14					PRODUCT CUSTOMER DRAWING									
 = 0	4 PLACES ±																		
 = 0	3 PLACES ±				DOCUMENT NUMBER					DOC TYPE		DOC PART		REVISION					
 = 0	2 PLACES ± 0.1																		
 = 0	1 PLACE ± 0.2				SD-33481-0001					PSD		001		A1					
 = 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		9 OF 9	

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02
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SHEET NO.	SHEET DESCRIPTION
1	NOTES
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4	SYSTEM PACKAGING
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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>>
-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

INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

A14	UPDATED THE STATUS OF P/Ns ON SHEET 8 (33481-02XX) TO OBSOLETE PER PCN 512135
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

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

DIMENSION UNITS

mm

SCALE

3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3 °

4 PLACES ± 0

3 PLACES ± 0

2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ± 0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

D-DRAWING

D-SIZE

SERIES

33481

CURRENT REV DESC: SEE REVISION TABLE

EC NO: CO-000001228

DRWN: MattYoung 21-Jul-2022

CHK'D: Joe Fox 01-Aug-2022

APPR: Katy Boruszewski 02-Aug-2022

INITIAL REVISION:

DRWN: RFC_PLMIMP

APPR:

DOCUMENT NUMBER

SD-33481-021

DOC TYPE

PSD

DOC PART

001

REVISION

A14

MATERIAL NUMBER

SEE BOM

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 9

mo

lex

MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL

PRODUCT SALES DRAWING

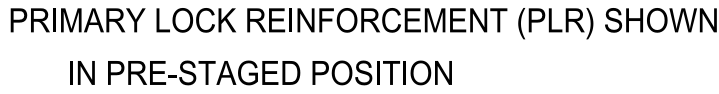
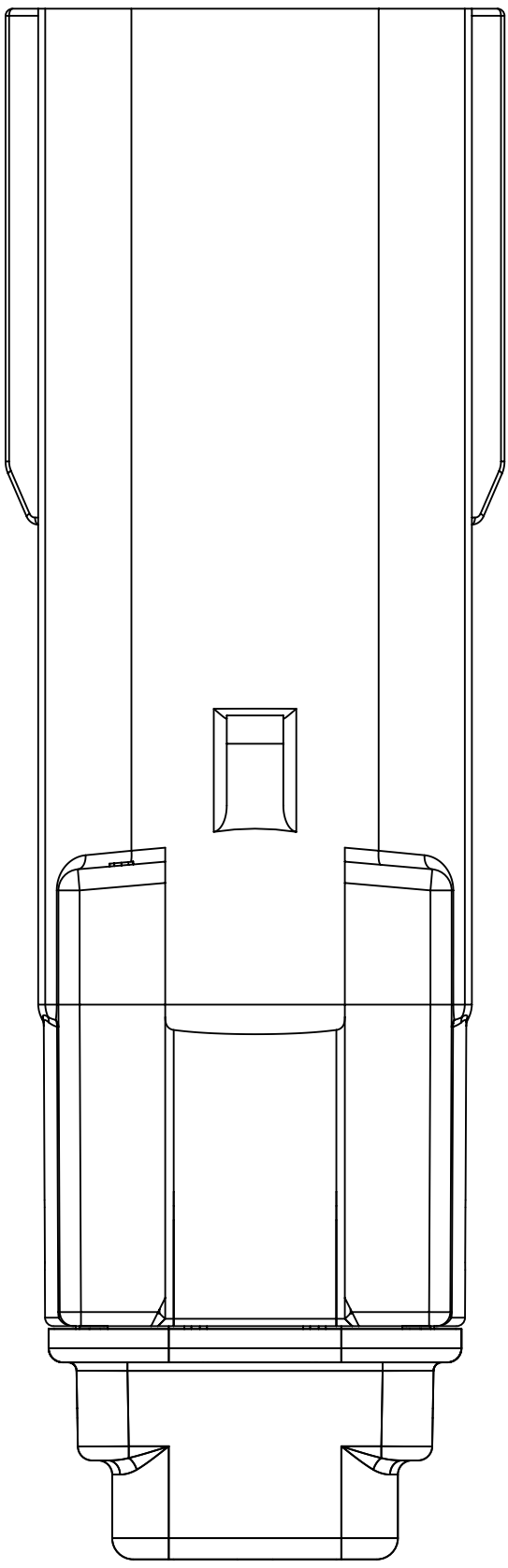
DOCUMENT STATUS

Approved

RELEASE DATE

02-Aug-2022 14:03:56

Technical drawing of a mechanical component, likely a pump or motor housing, showing a side view. The component features a cylindrical body with a flange at one end and a mounting bracket or flange at the other. The drawing includes dimension lines and arrows indicating specific features or measurements.

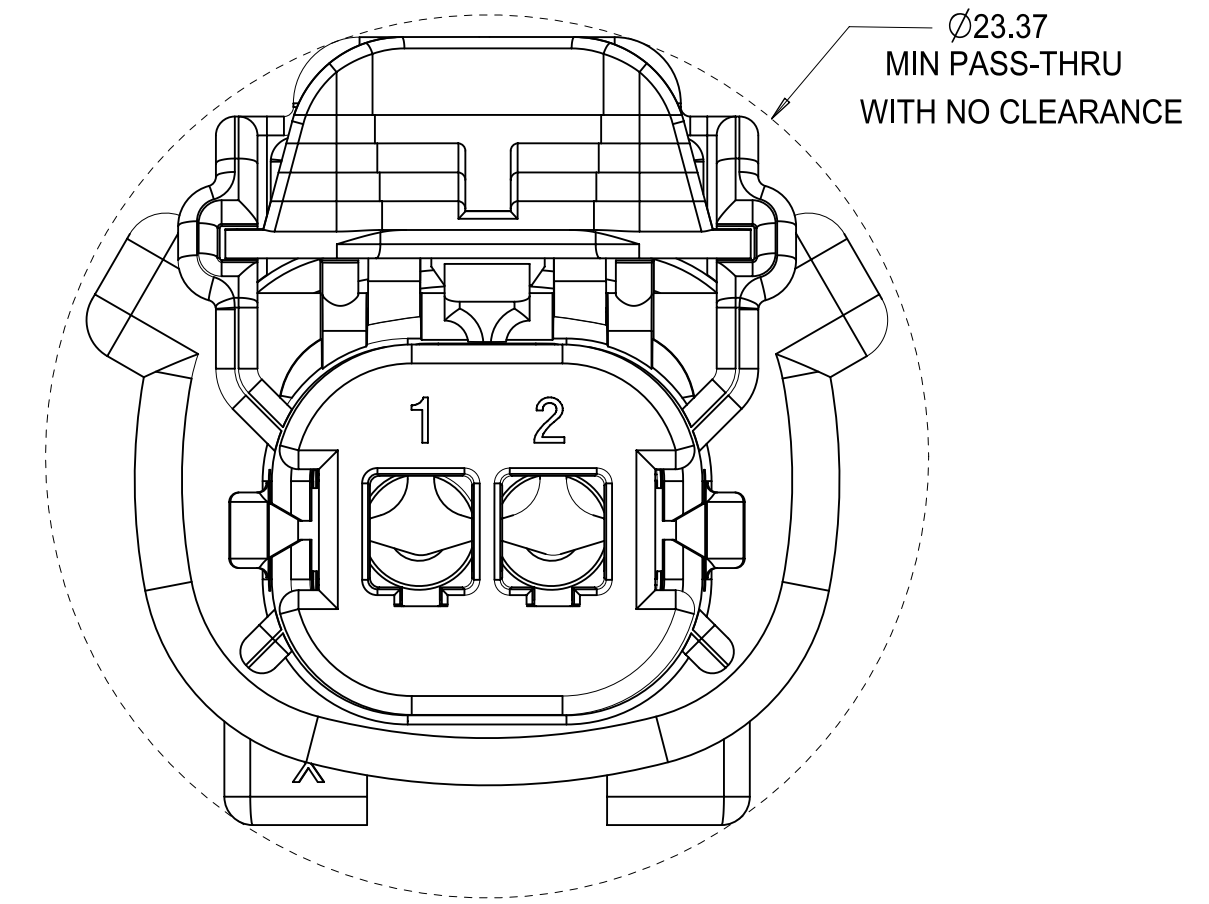
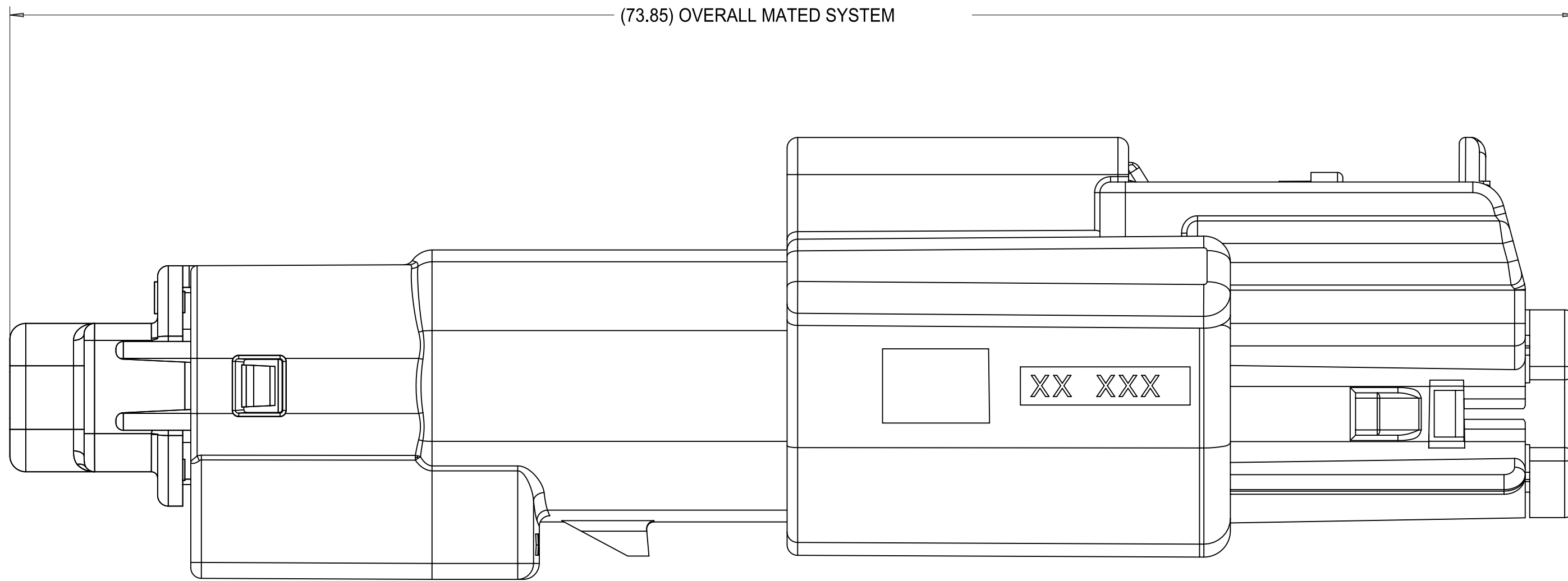


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

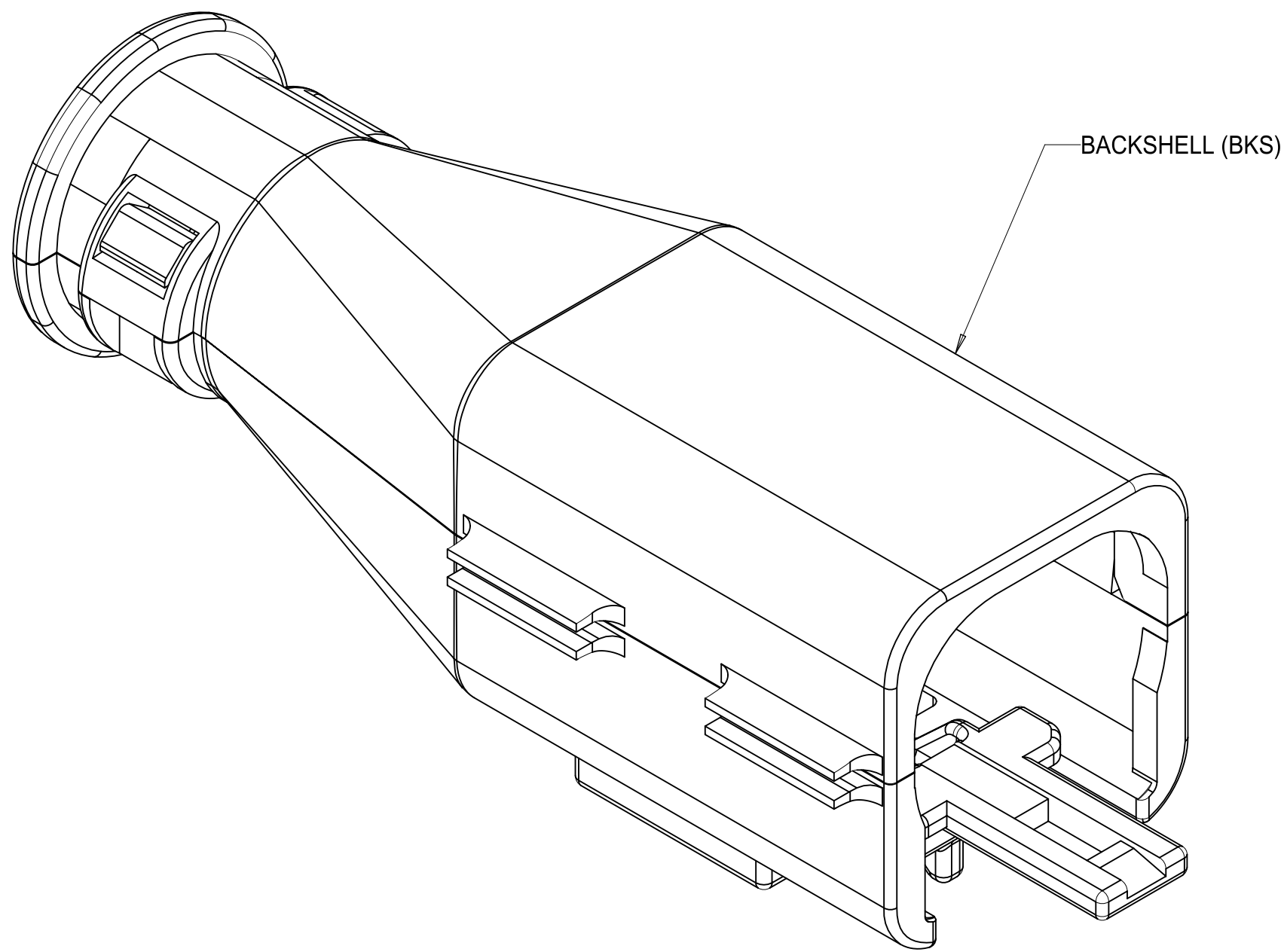
SECTION Y-Y

DOCUMENT STATUS	Approved	RELEASE DATE	02-Aug-2022	14:03:56
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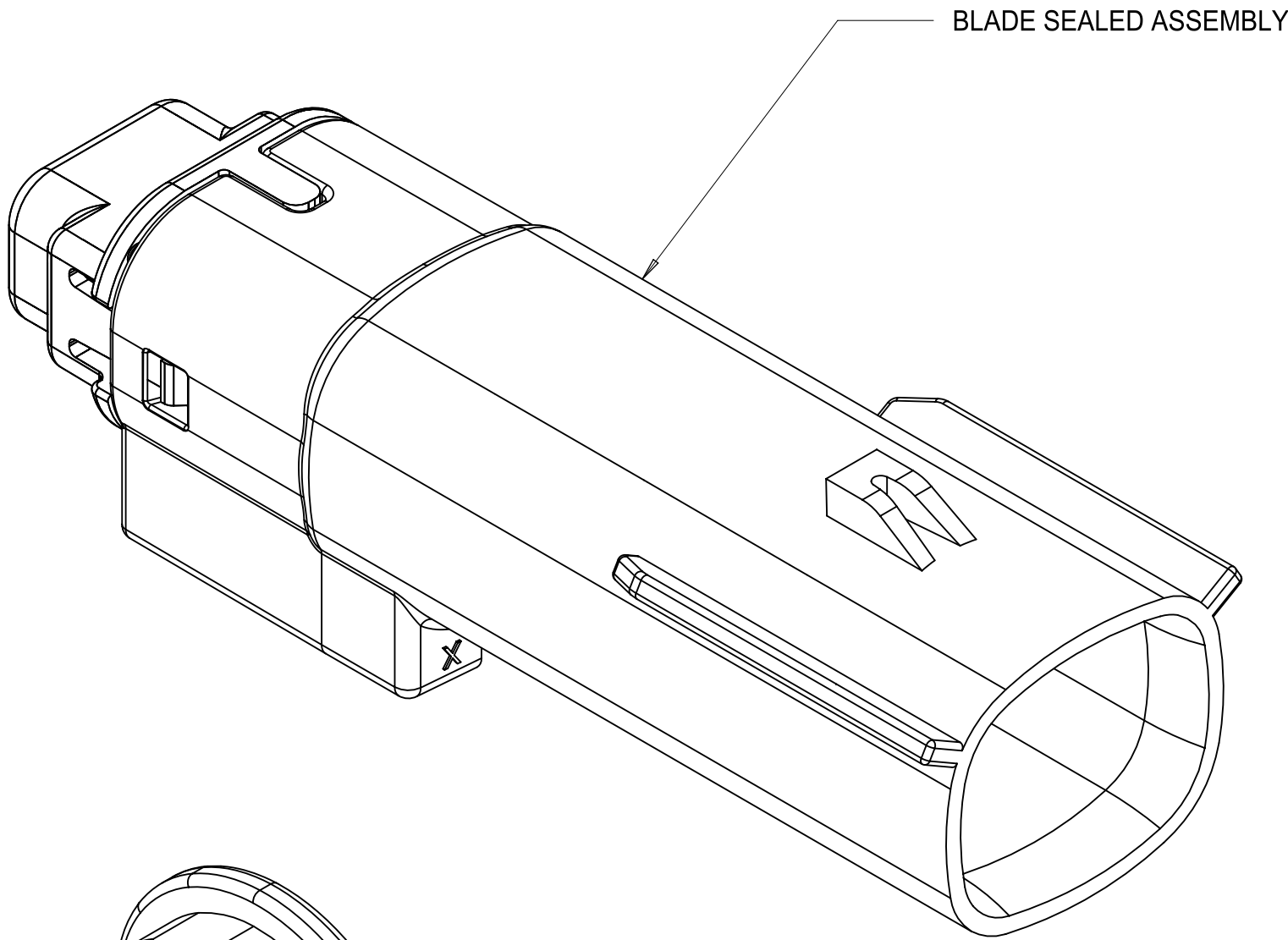
SYSTEM PACKAGING



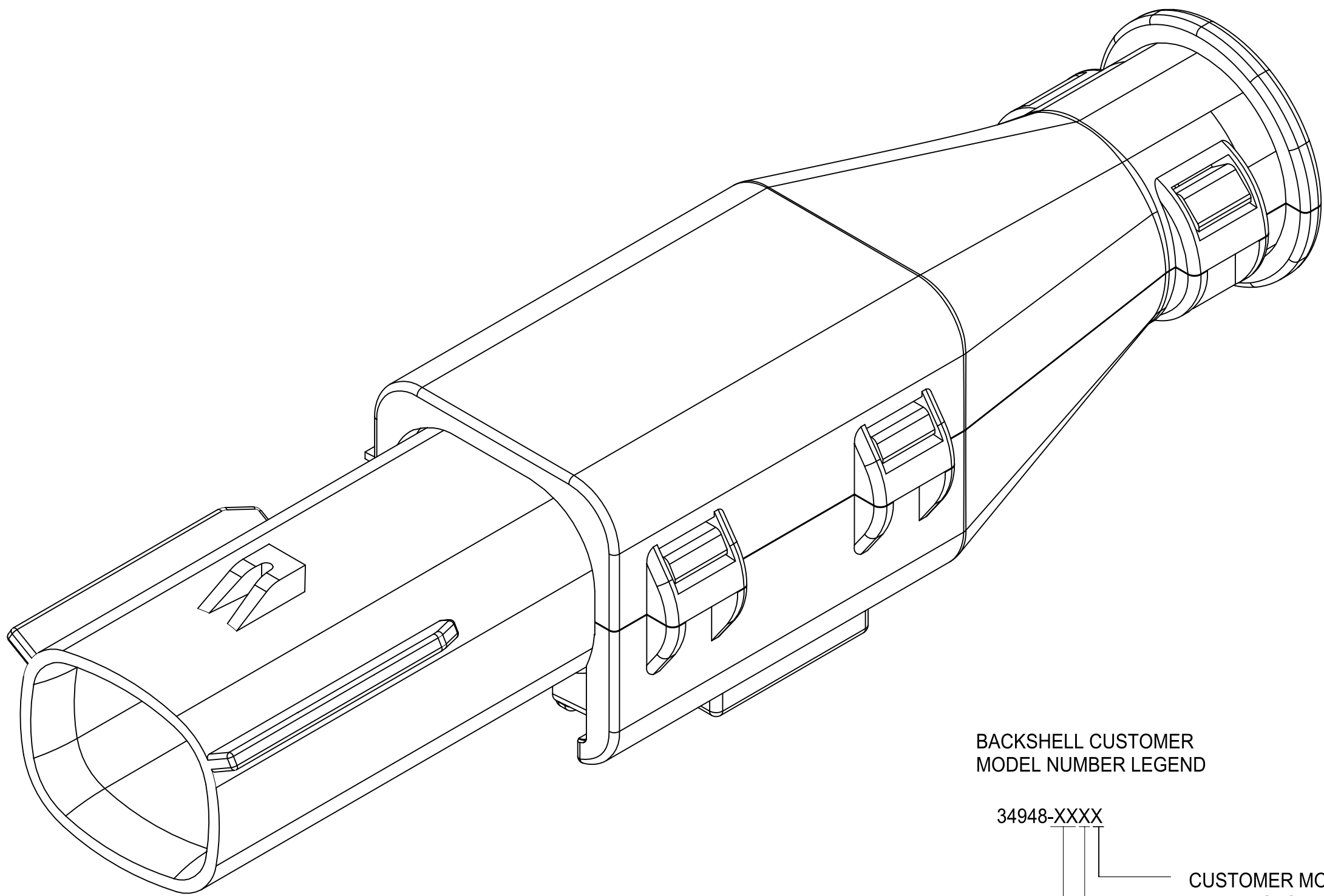
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS		SCALE	CURRENT REV DESC: SEE REVISION TABLE				molex							
mm		1:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: CO-000001228 DRWN: MattYoung 21-Jul-2022 CHK'D: Joe Fox 01-Aug-2022 APPR: Katy Boruszewski 02-Aug-2022				MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL							
ANGULAR TOL		± 3 °												
4 PLACES		± 0					INITIAL REVISION: DRWN: RFC_PLMIMP APPR:				PRODUCT SALES DRAWING			
3 PLACES		± 0												
2 PLACES		± 0.1												
1 PLACE		± 0.2												
0 PLACES		± 0					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	SD-33481-021		PSD	001	A14			
							SEE BOM		GENERAL MARKET		4 OF 9			
						D-SIZE	33481							



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

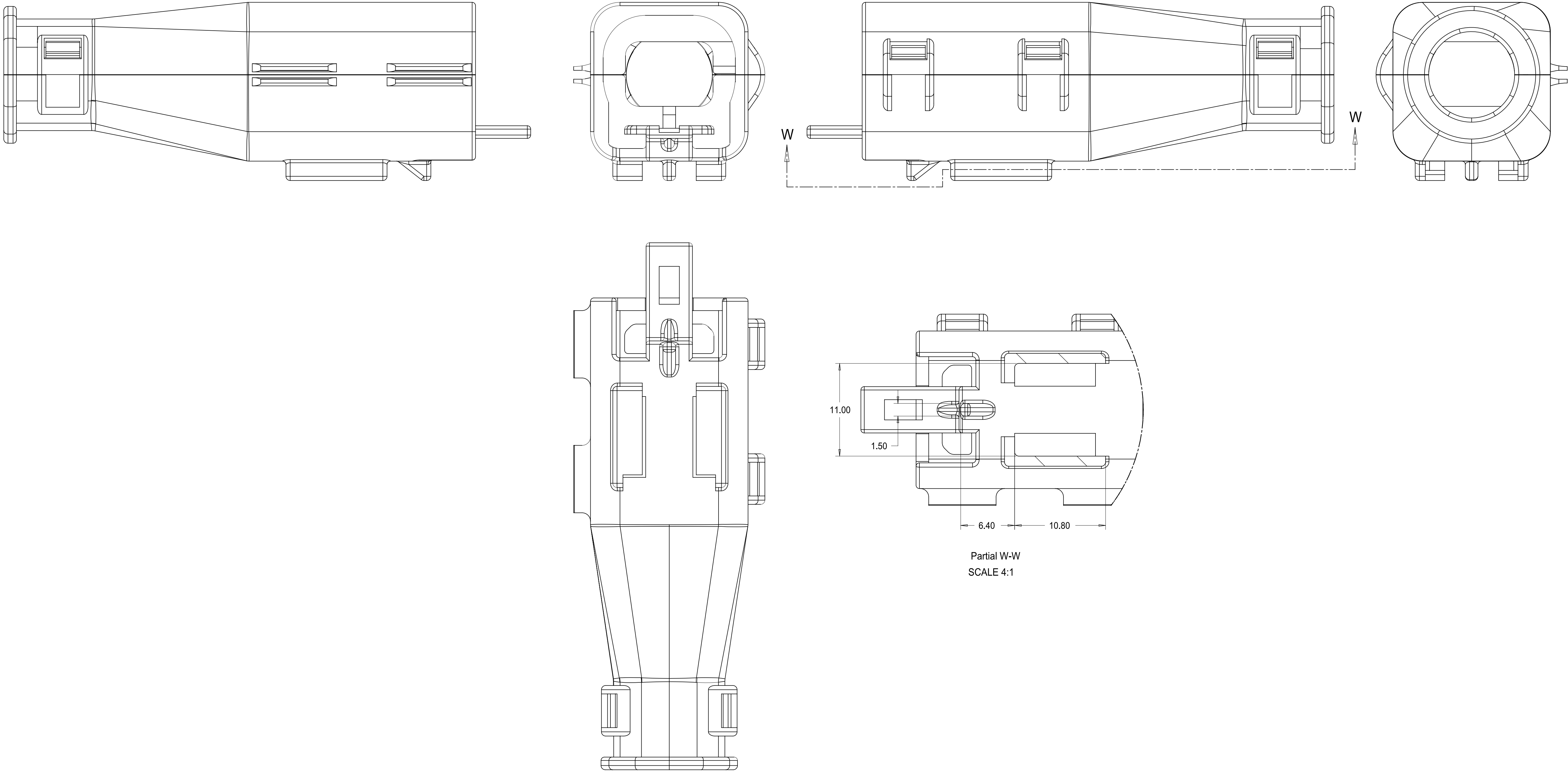
BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

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.

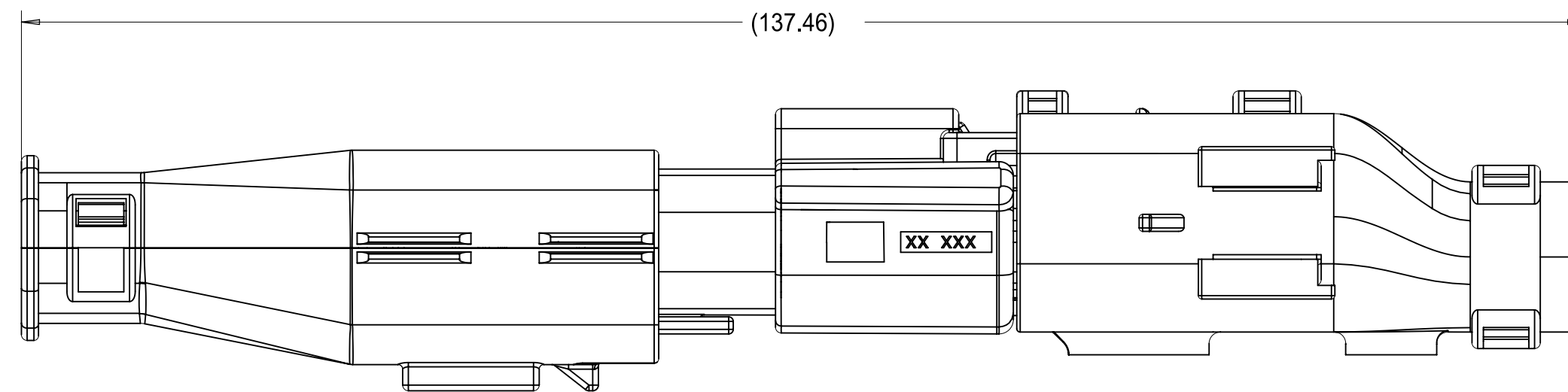
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE			molex				
mm	4:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: CO-000001228 DRWN: MattYoung CHK'D: Joe Fox APPR: Katy Boruszewski INITIAL REVISION: DRWN: RFC_PLMIMP APPR:			MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL				
ANGULAR TOL	± 3°				PRODUCT SALES DRAWING				
4 PLACES	± 0				DOCUMENT NUMBER				
3 PLACES	± 0				SD-33481-021				
2 PLACES	± 0.1				DOC TYPE				
1 PLACE	± 0.2	THIRD ANGLE PROJECTION			PSD				
0 PLACES	± 0	DRAWING			001				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES			A14				
		D-SIZE			SEE BOM				
		33481			GENERAL MARKET				
					5 OF 9				

DOCUMENT STATUS	Approved	RELEASE DATE	02-Aug-2022	14:03:56
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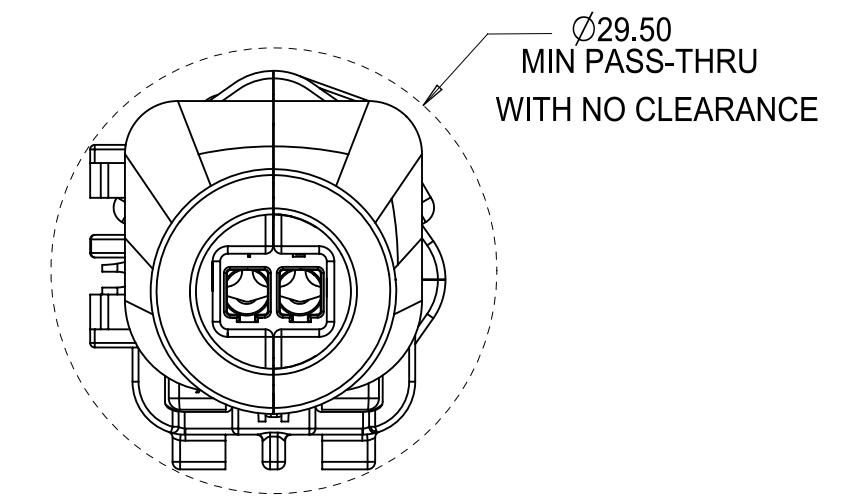
BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



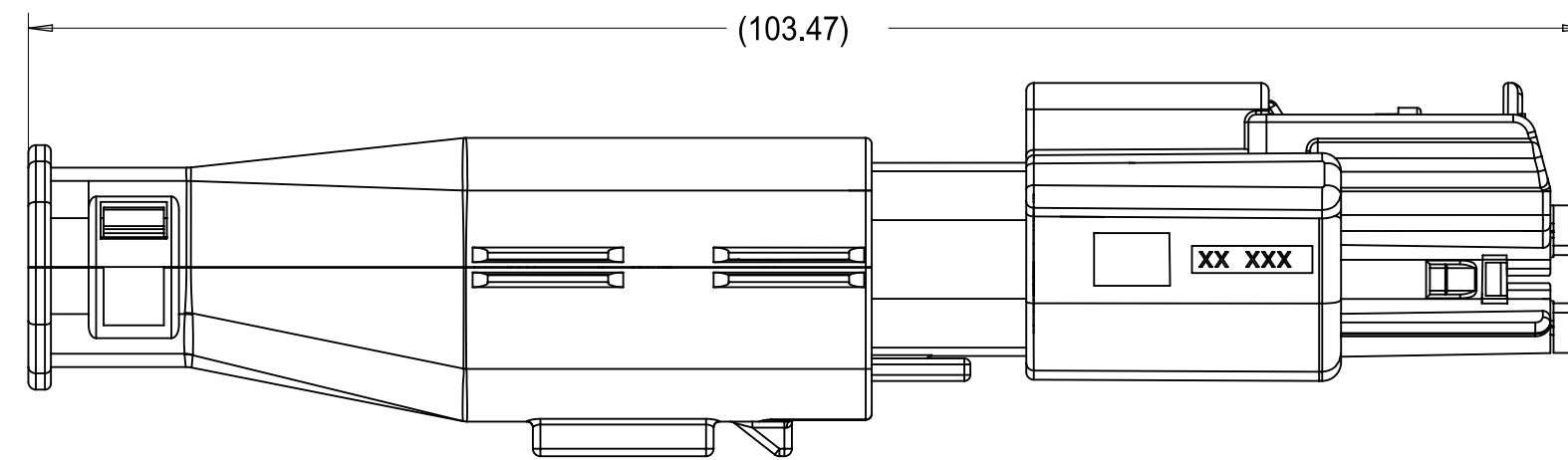
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE				molex							
mm		4:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL							
ANGULAR TOL ± 3 °															
4 PLACES		± 0						EC NO: CO-000001228		21-Jul-2022					
3 PLACES		± 0		DRWN: MattYoung											
2 PLACES		± 0.1		CHK'D: Joe Fox		01-Aug-2022									
1 PLACE		± 0.2		APPR: Katy Boruszewski		02-Aug-2022		PRODUCT SALES DRAWING							
0 PLACES		± 0		INITIAL REVISION: DRWN: RFC_PLMIMP APPR:				DOCUMENT NUMBER							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION  				SD-33481-021		DOC TYPE		DOC PART		REVISION	
								PSD		001		A14			
								D-SIZE		33481		SEE BOM		GENERAL MARKET	
												6 OF 9			



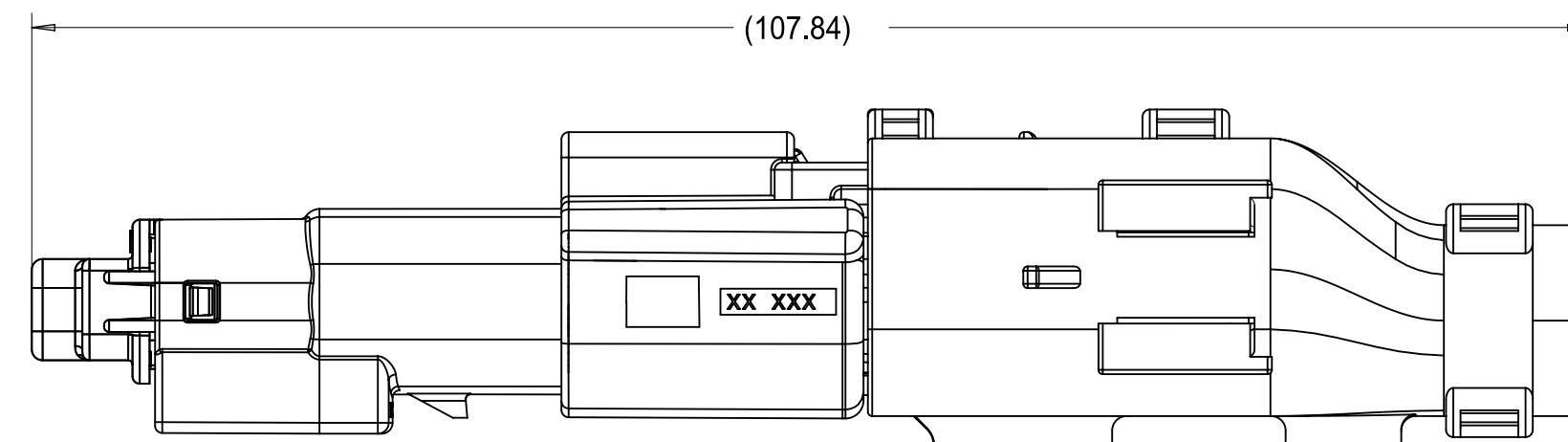
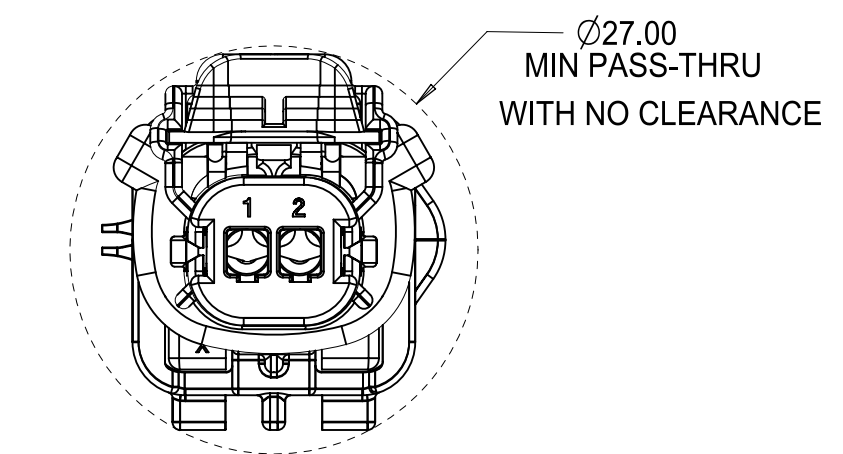
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



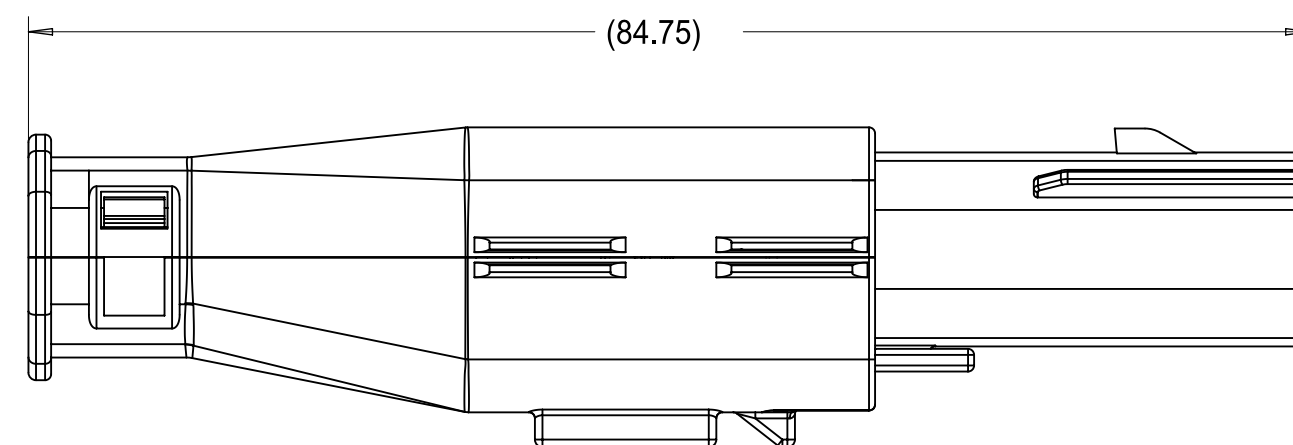
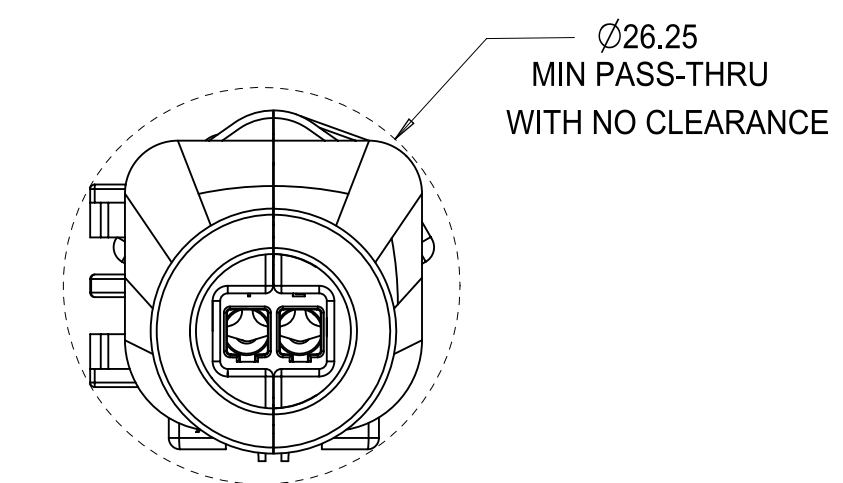
BACKSHELL CONFIGURATIONS



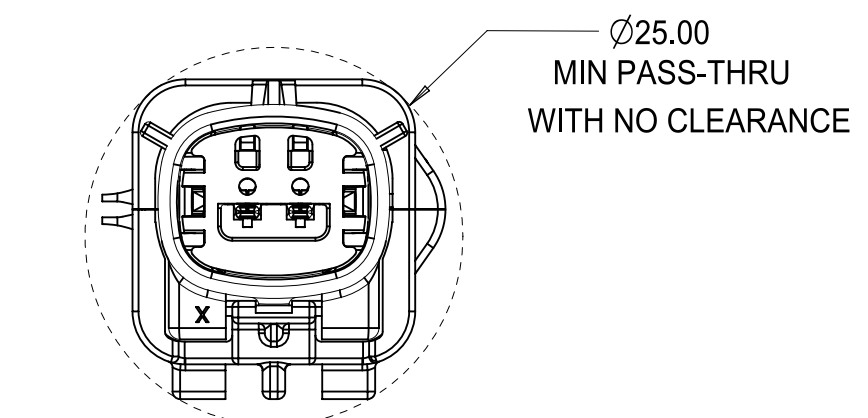
OVERALL MATED SYSTEM WITH BLADE BACKSHELL

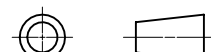


OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



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DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE				molex MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL						
mm		2:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)														
ANGULAR TOL		± 3 °		EC NO: CO-000001228				PRODUCT SALES DRAWING						
4 PLACES		± 0		DRWN: MattYoung 21-Jul-2022										
3 PLACES		± 0		CHK'D: Joe Fox 01-Aug-2022										
2 PLACES		± 0.1		APPR: Katy Boruszewski 02-Aug-2022				DOCUMENT NUMBER SD-33481-021						
1 PLACE		± 0.2		INITIAL REVISION:								DOC TYPE	DOC PART	REVISION
0 PLACES		± 0		DRWN: RFC_PLMIMP								PSD	001	A14
APPR:														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
						D-SIZE	33481	SEE BOM		GENERAL MARKET		7 OF 9		

KEY A, YELLOW	33481-0210					A	GCO							OBSOLETE		34948-0210	34948-0220
KEY A, BLACK	33481-0209	A							GCP2			2		OBSOLETE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-0208				D			GCP			1	2		OBSOLETE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-0207			C				GCP			1	2		OBSOLETE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-0206		B					GCP			1	2		OBSOLETE		34948-0210	34948-0220
KEY A, BLACK	33481-0205	A						GCP			1	2		OBSOLETE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-0204				D		GCO							OBSOLETE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-0203			C			GCO							OBSOLETE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-0202		B				GCO							OBSOLETE		34948-0210	34948-0220
KEY A, BLACK	33481-0201	A					GCO							OBSOLETE		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															
		CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION														OPTIONAL ATTACHMENTS SOLD SEPARATELY	
		CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION															
		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

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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 3 °

4 PLACES ± 0

3 PLACES ± 0

2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ± 0

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

D-SIZE

SERIES

33481

CURRENT REV DESC: SEE REVISION TABLE

EC NO: CO-000001228

DRWN: MattYoung

CHK'D: Joe Fox

APPR: Katy Boruszewski

21-Jul-2022

01-Aug-2022

02-Aug-2022

INITIAL REVISION:
DRWN: RFC_PLMIMP
APPR:

DOCUMENT NUMBER

SD-33481-021

DOC TYPE

PSD

DOC PART

001

REVISION

A14

MATERIAL NUMBER

SEE BOM

CUSTOMER

GENERAL MARKET

SHEET NUMBER

8 OF 9

DOCUMENT STATUS

Approved

RELEASE DATE

02-Aug-2022 14:03:56

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																
		CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION														OPTIONAL ATTACHMENTS		
		CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION												SOLD SEPARATELY				
		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																		

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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 3 °

4 PLACES ± 0

3 PLACES ± 0

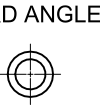
2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ± 0

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION



DRAWING

D-SIZE

SERIES

33481

CURRENT REV DESC: SEE REVISION TABLE

EC NO: CO-000001228

DRWN: MattYoung

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APPR: Katy Boruszewski

21-Jul-2022

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APPR:

DOCUMENT NUMBER

SD-33481-021

DOC TYPE

PSD

DOC PART

001

REVISION

A14

MATERIAL NUMBER

SEE BOM

CUSTOMER

GENERAL MARKET

SHEET NUMBER

9 OF 9

DOCUMENT STATUS

Approved

RELEASE DATE

02-Aug-2022 14:03:56

19

18

17

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