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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:

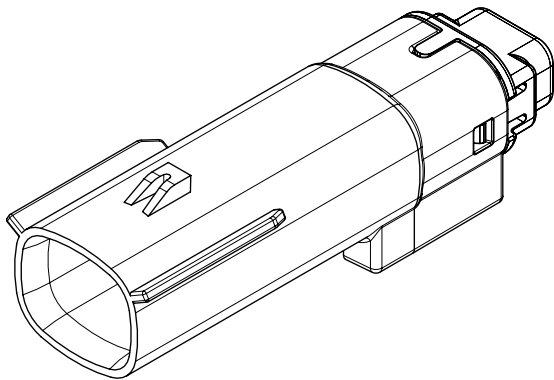
- a. FOR BILL OF MATERIALS SEE:
- STANDARD CONFIGURATION: TBD
 - UL V0 CONFIGURATION: SD-160106-0002

3. DESIGN - GEOMETRY:

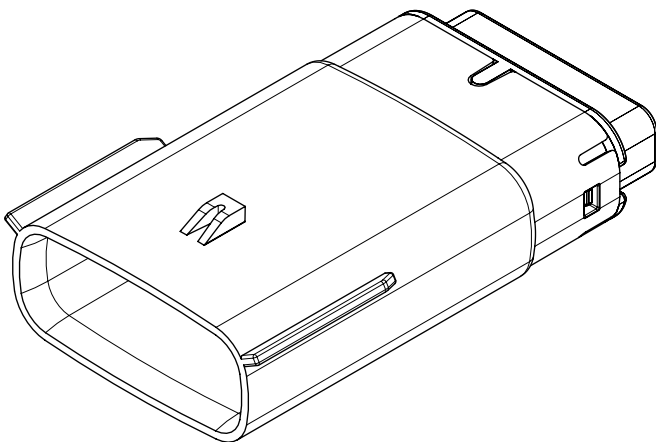
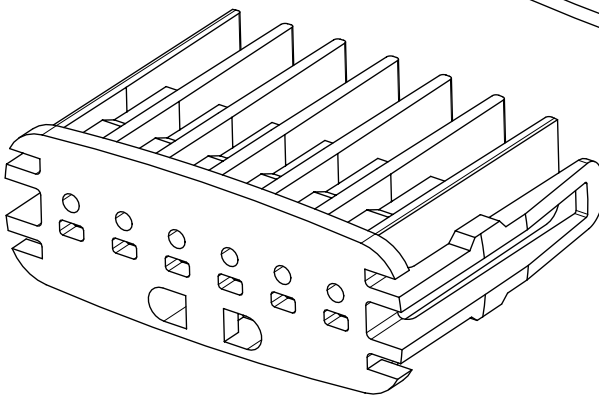
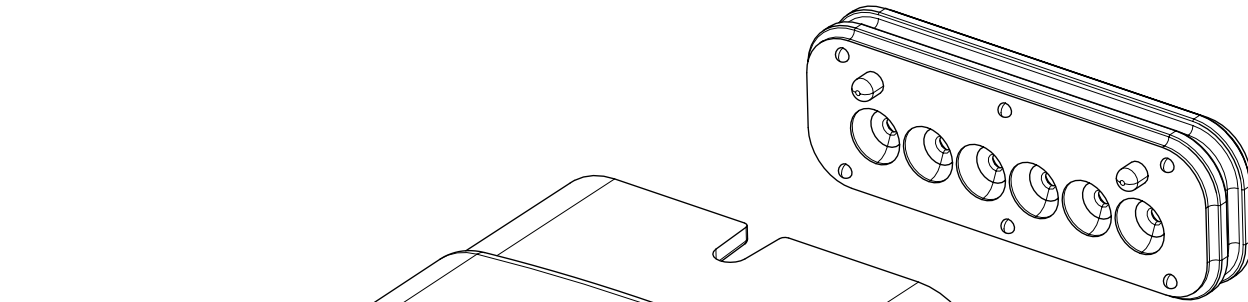
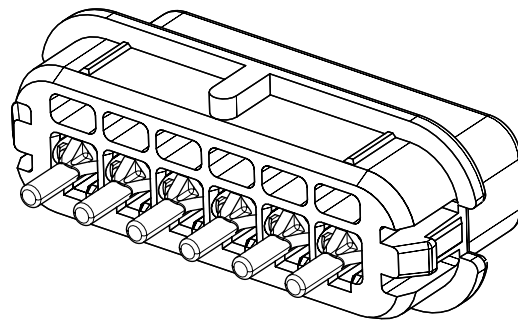
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED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



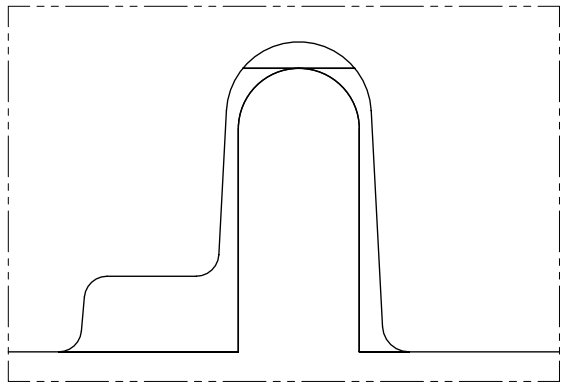
1X6

A2	CHANGE STANDARD CONFIGURATION TO TBD. SEE NOTES 2.a
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

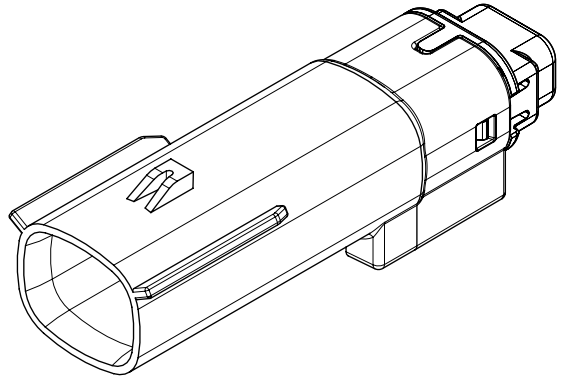
INSPECTION NUMBER LOG
LAST NUMBER: 9
ADDED:
REMOVED:

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	1.5:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: CO-000012501					MX150 BLADE SINGLE ROW SEALED ASSY			
	ANGULAR TOL ± 0.5 °												
	4 PLACES	± 0	DRWN: Yann Chen 02-Sep-2022					CHK'D: Matt Young 08-May-2024					
	3 PLACES	± 0											
	2 PLACES	± 0	APPR: Elvis Song 10-May-2024					PRODUCT SALES DRAWING					
	1 PLACE	± 0											
	0 PLACES	± 0	INITIAL REVISION:					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14					SD-33481-0001
	THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER						CUSTOMER
			A1-SIZE		33481		SEE NOTE 2a.		GENERAL MARKET		1 OF 9		

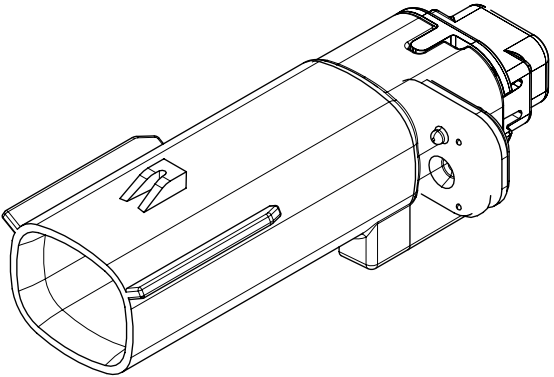
SHEET DESCRIPTION
CONFIGURATIONS



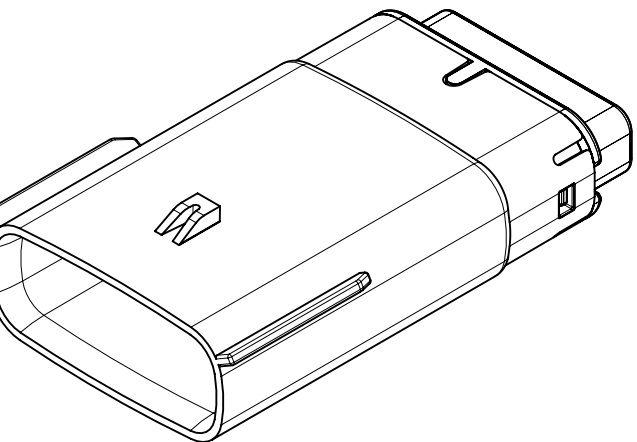
UL V0 UNIQUE FEATURE
Partial1
SCALE 10:1



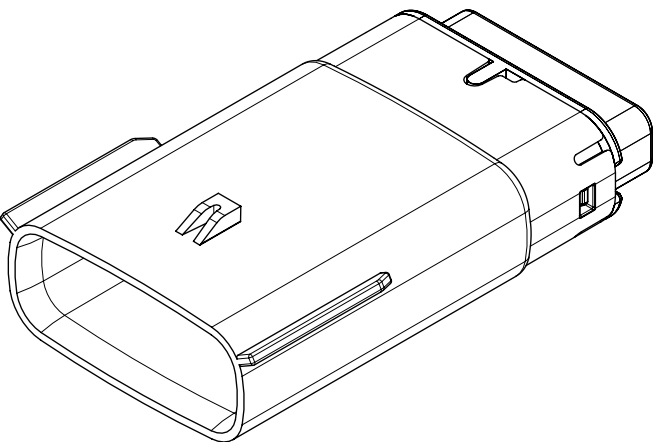
1x2 - STD



1X2 - UL V0*



1x6 - STD



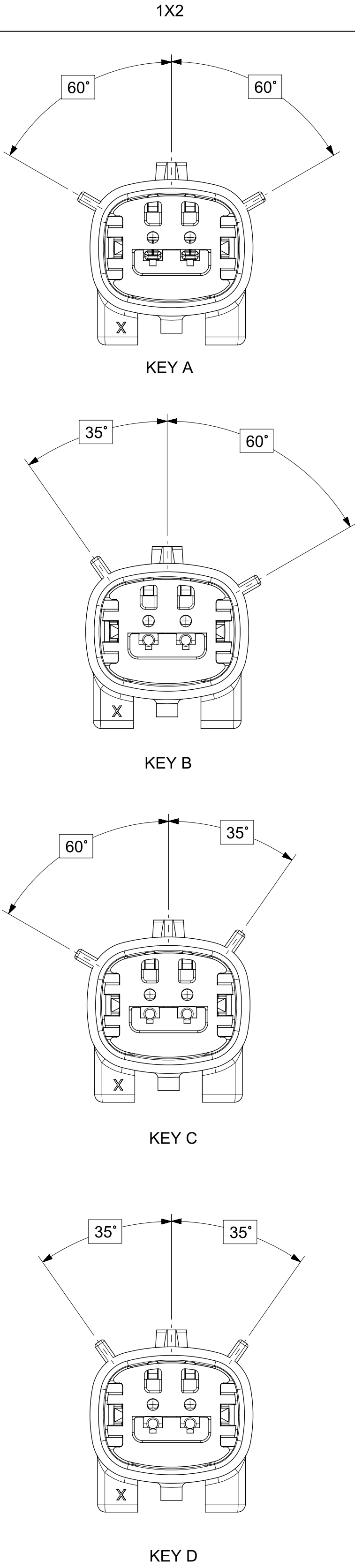
1x6 - UL V0*

* 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																
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		MM ONLY		1.5:1													
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	= 0	ANGULAR TOL ± 0.5°															
	= 0	4 PLACES ± 0															
	= 0	3 PLACES ± 0				INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14				PRODUCT SALES DRAWING							
	= 0	2 PLACES ± 0															
	= 0	1 PLACE ± 0				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION			
		0 PLACES ± 0															
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
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	= 0																

SHEET DESCRIPTION

KEY CONFIGURATIONS

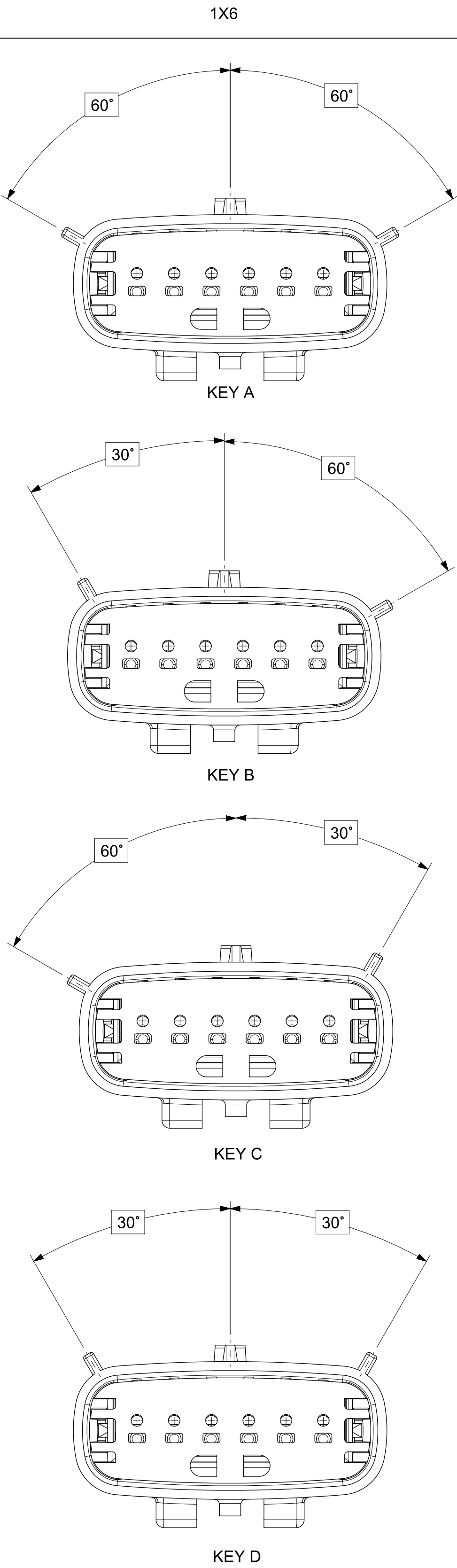


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
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	MM ONLY		3:1																	
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)																			
 = 0	ANGULAR TOL ± 0.5 °																			
 = 0	4 PLACES		± 0																	
 = 0	3 PLACES		± 0		MX150 BLADE SINGLE ROW SEALED ASSY															
 = 0	2 PLACES		± 0																	
 = 0	1 PLACE		± 0		PRODUCT SALES DRAWING															
 = 0	0 PLACES		± 0																	
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION		
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							A1-SIZE		33481		MATERIAL NUMBER			CUSTOMER			SHEET NUMBER			
							A1-SIZE		33481		SEE NOTE 2a			GENERAL MARKET			3 OF 9			

DOCUMENT STATUS	Production	RELEASE DATE	10-May-2024 15:02:02
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SHEET DESCRIPTION

KEY CONFIGURATIONS CONT.



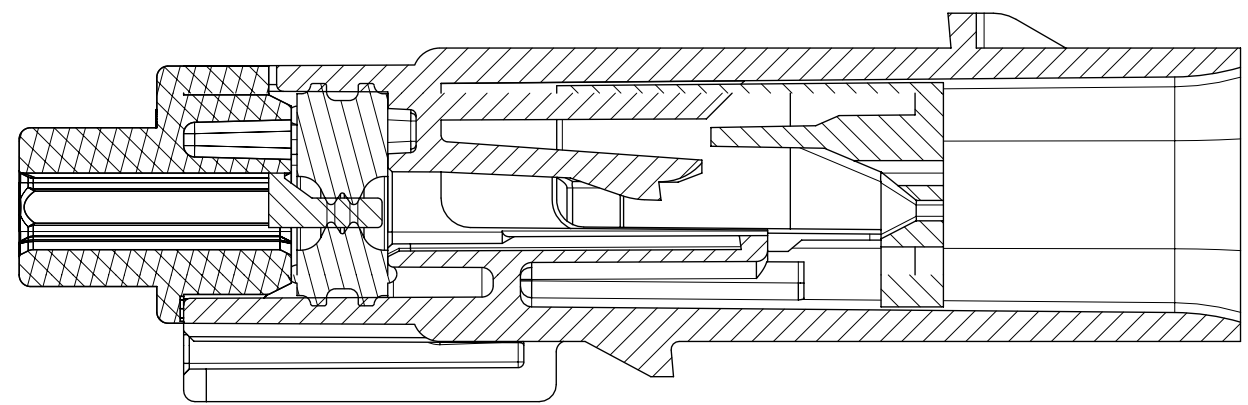
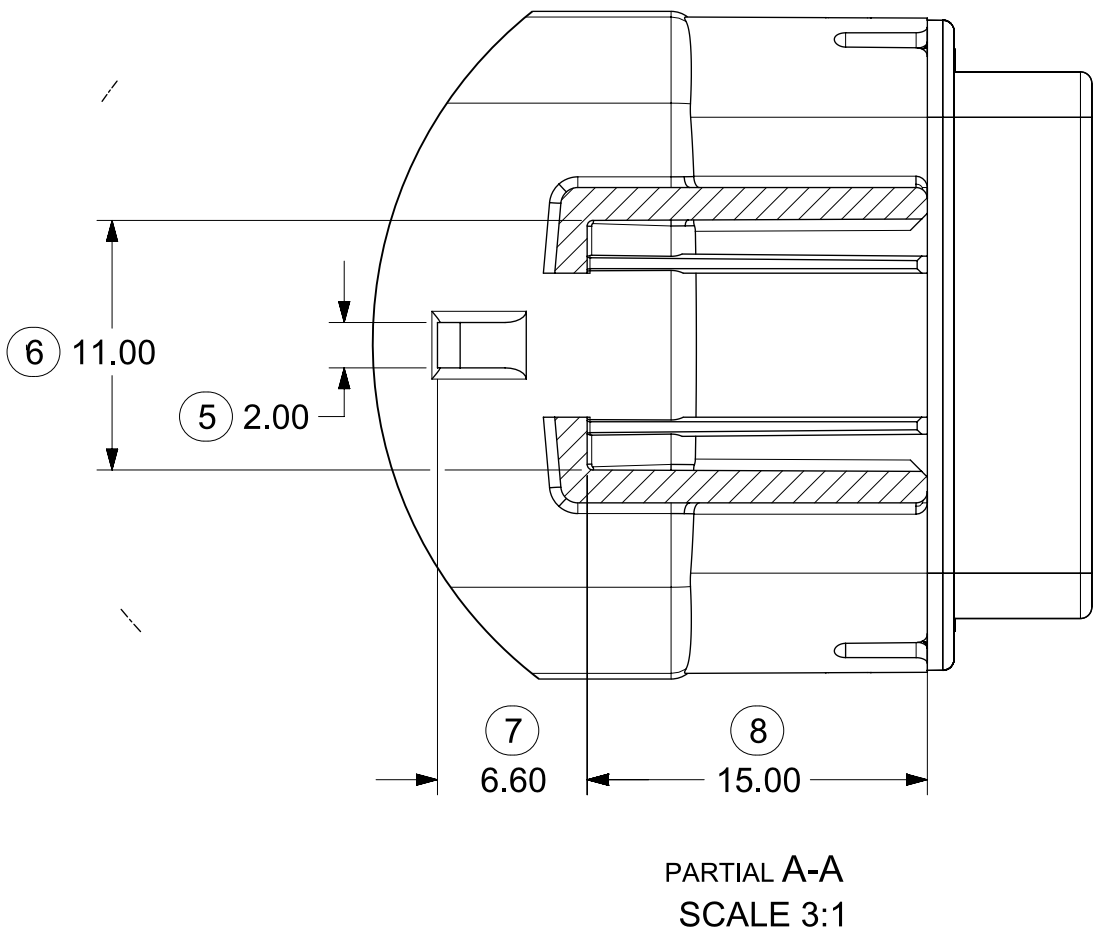
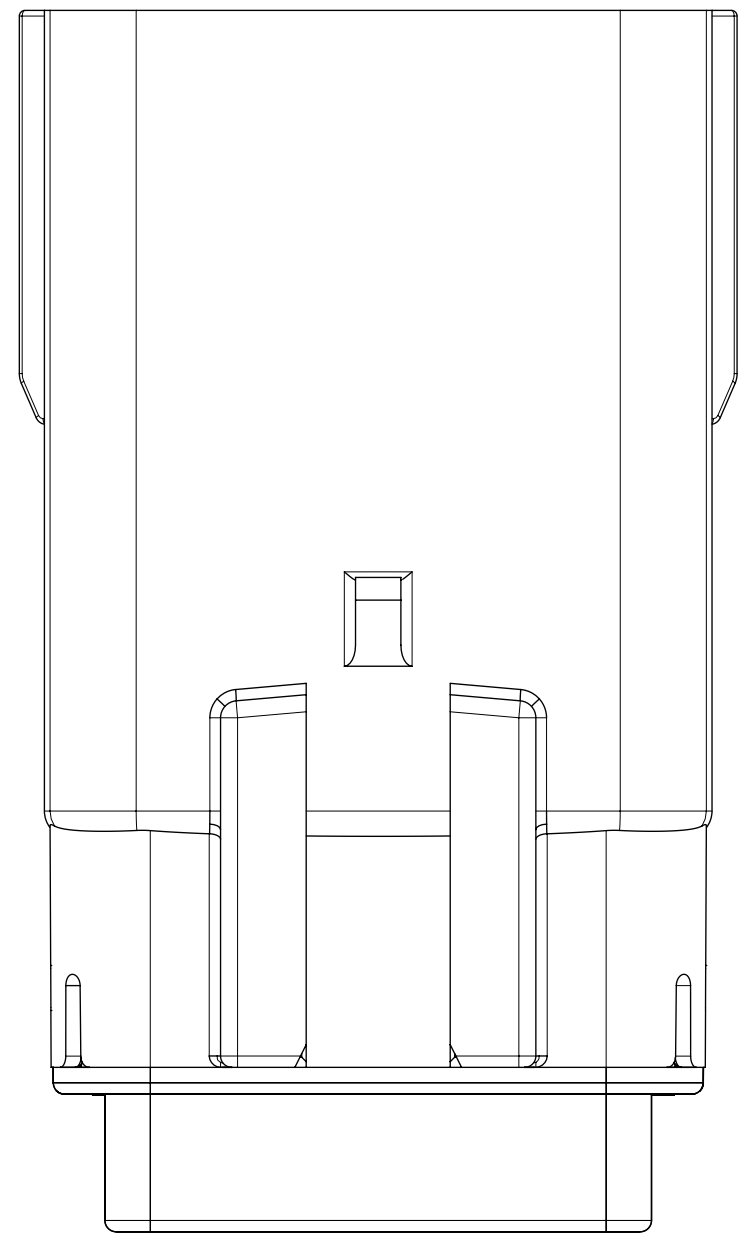
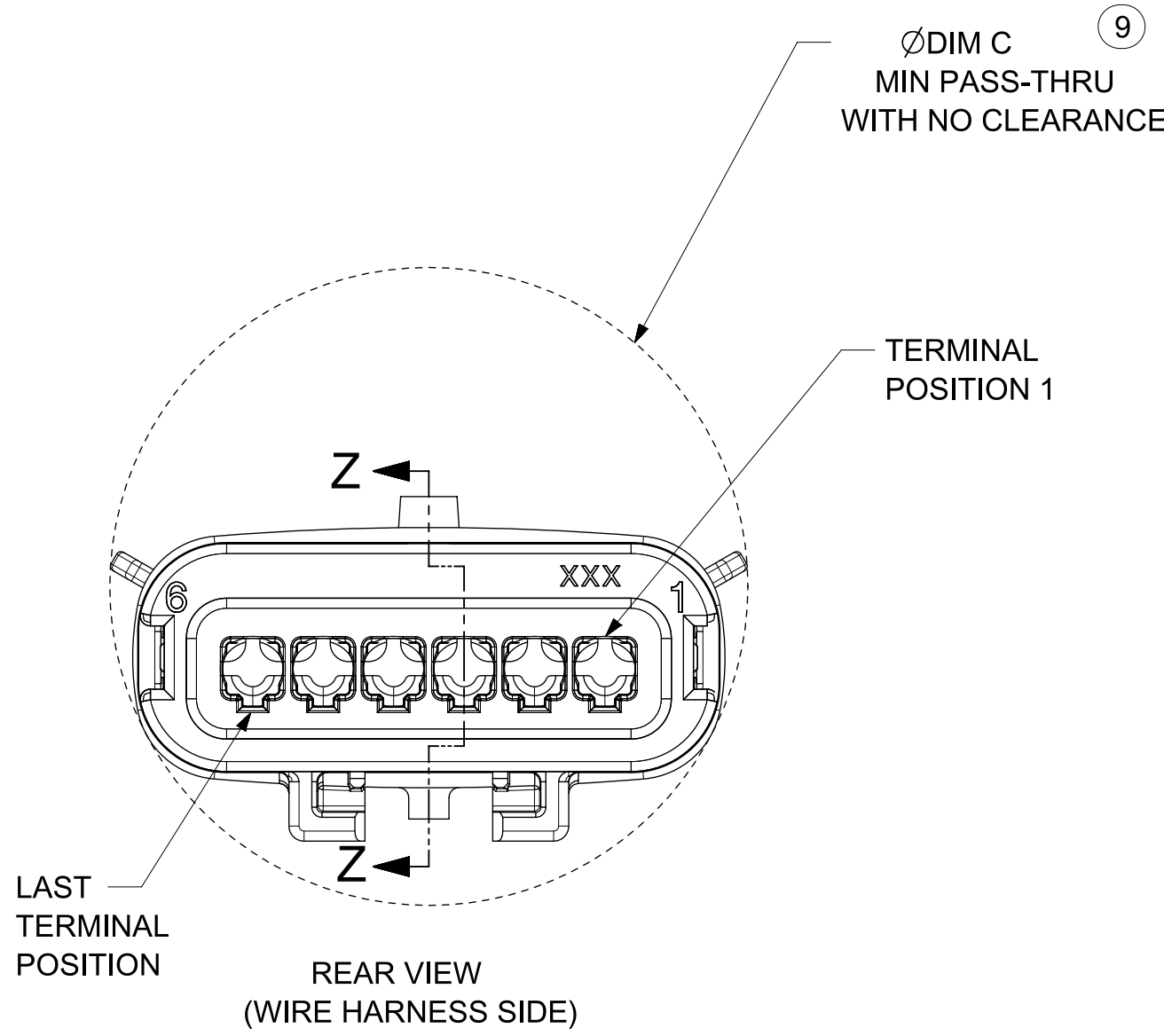
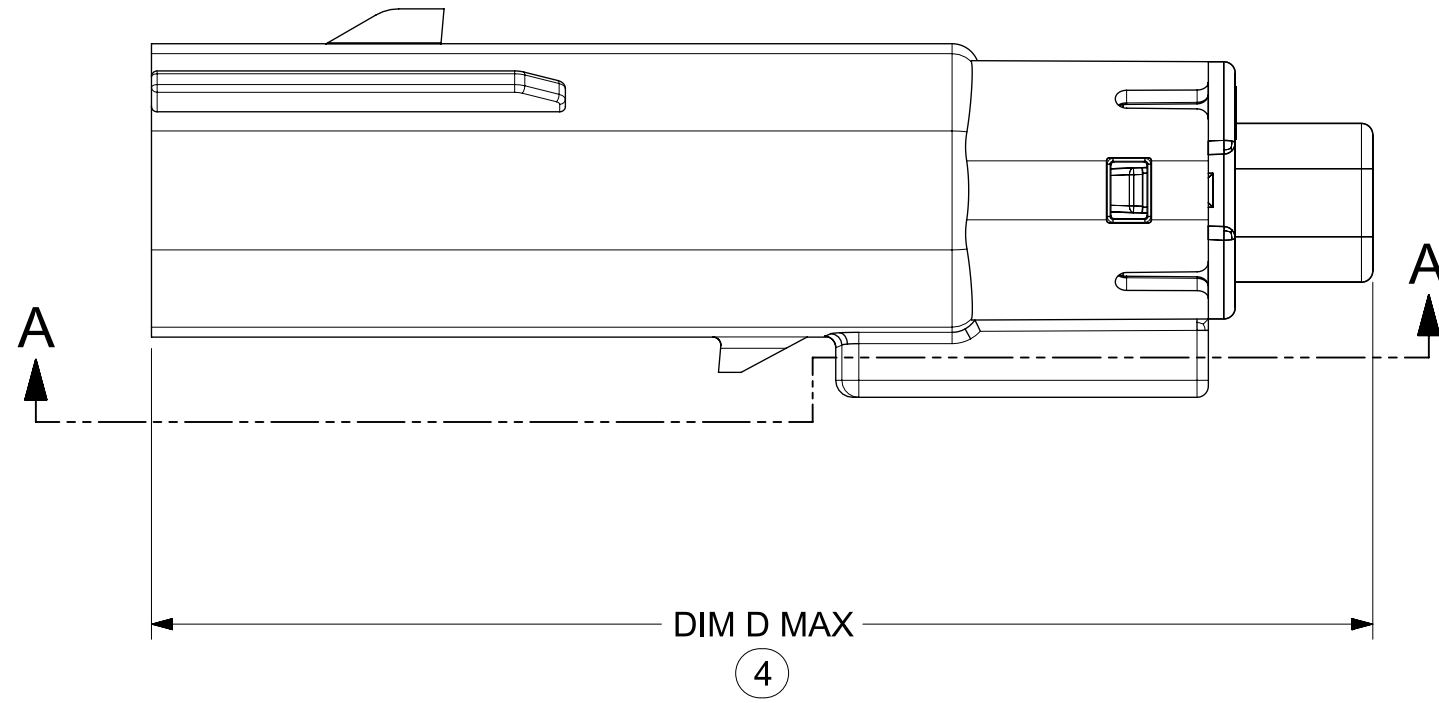
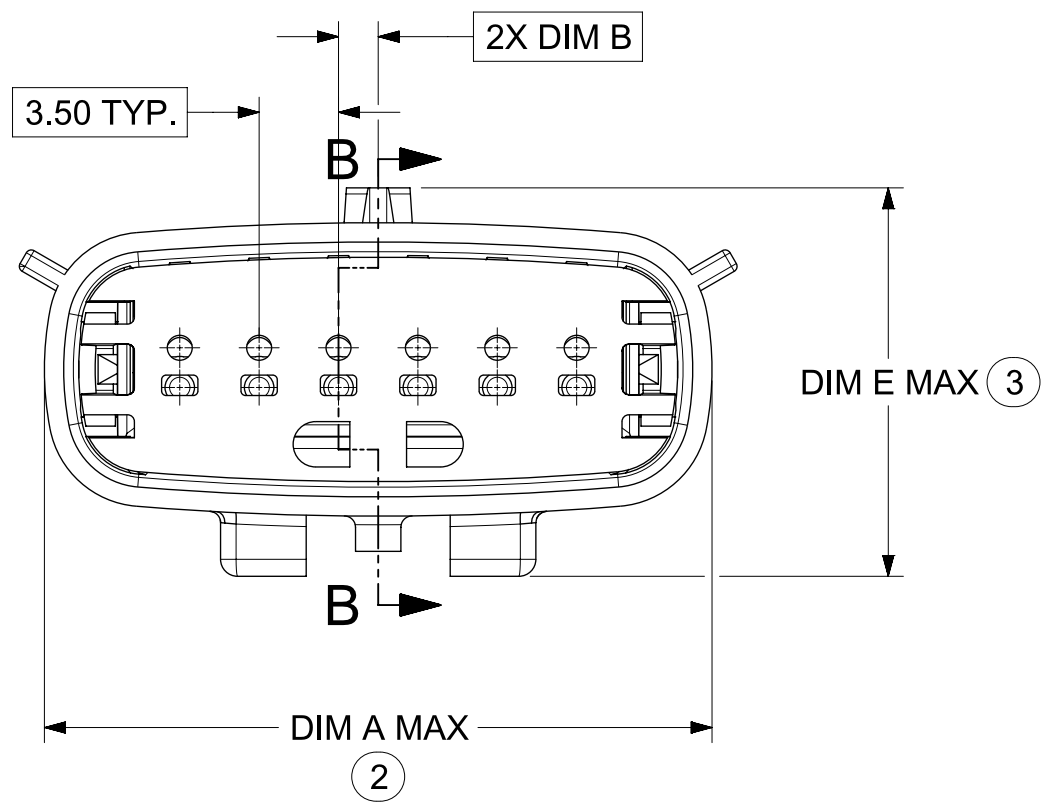
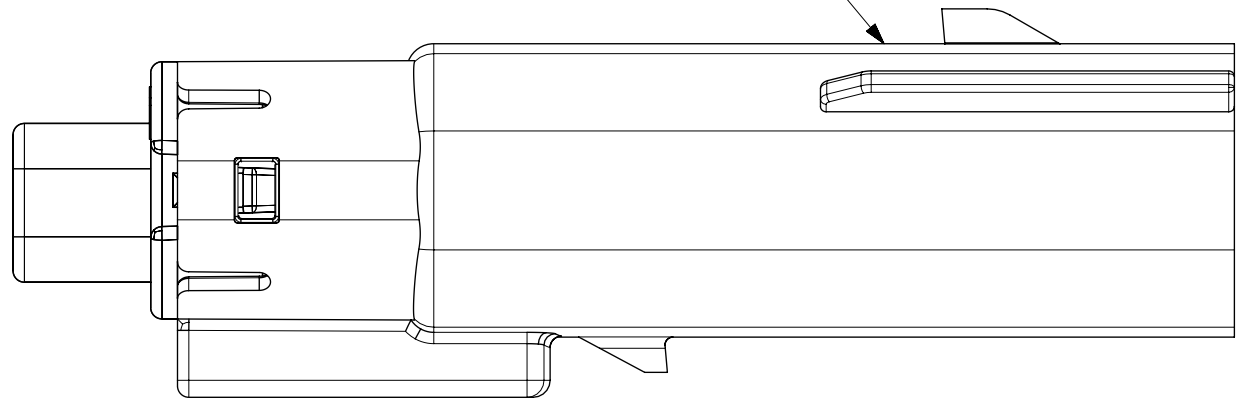
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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	= 0	MM ONLY		3:1		EC NO: CO-000012501 DRWN: Yann Chen 02-Sep-2022 CHK'D: Matt Young 08-May-2024 APPR: Elvis Song 10-May-2024					MX150 BLADE SINGLE ROW SEALED ASSY						
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	= 0	ANGULAR TOL ± 0.5 °															
	= 0	4 PLACES		± 0													
	= 0	3 PLACES		± 0													
	= 0	2 PLACES		± 0		PRODUCT SALES DRAWING					DOCUMENT NUMBER SD-33481-0001 DOC TYPE PSD DOC PART 001 REVISION A2						
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SHEET DESCRIPTION

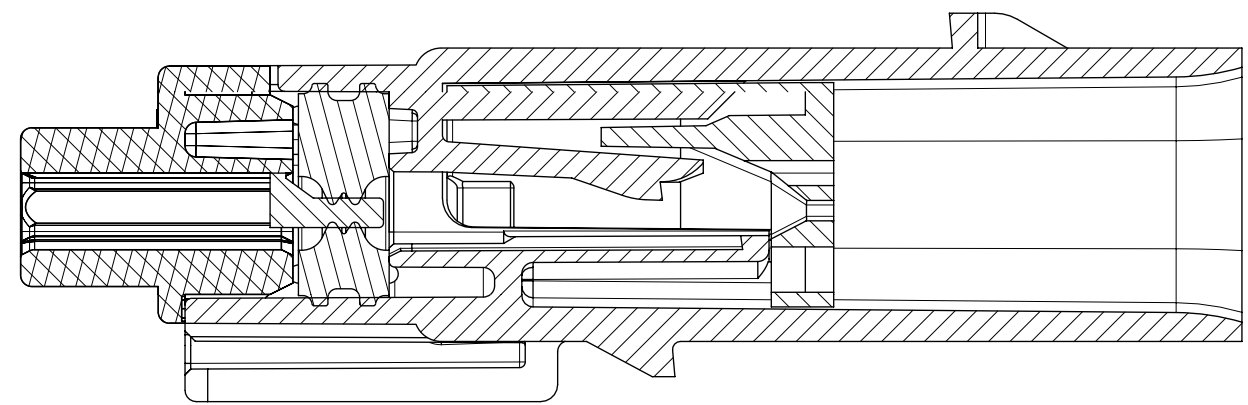
BLADE SEALED ASSEMBLY

DESCRIPTION	CHARTED DIMENSIONS				
	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

OPTIONAL LASER MARKING ON THIS SURFACE SEE NOTE 3g.



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

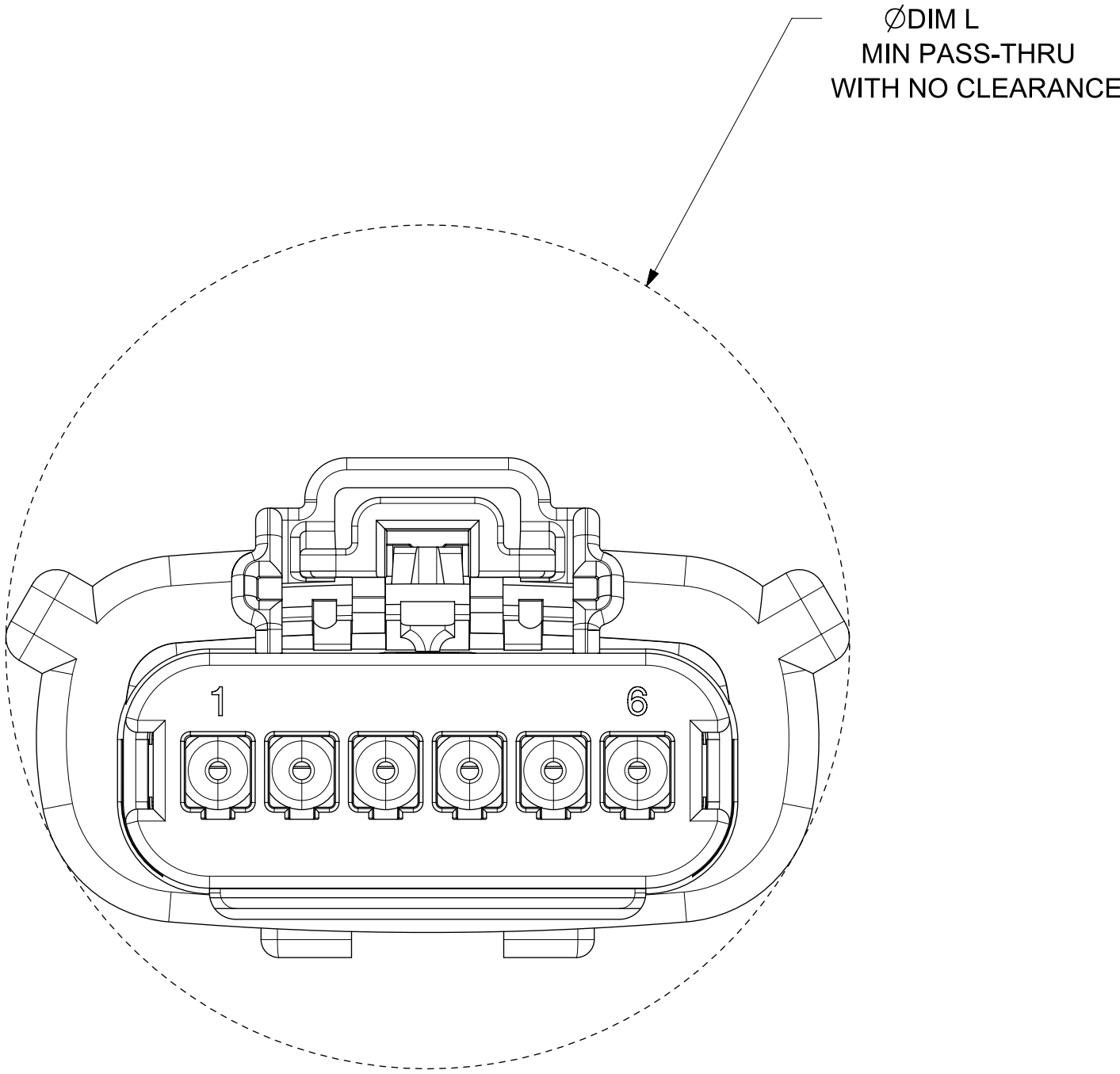
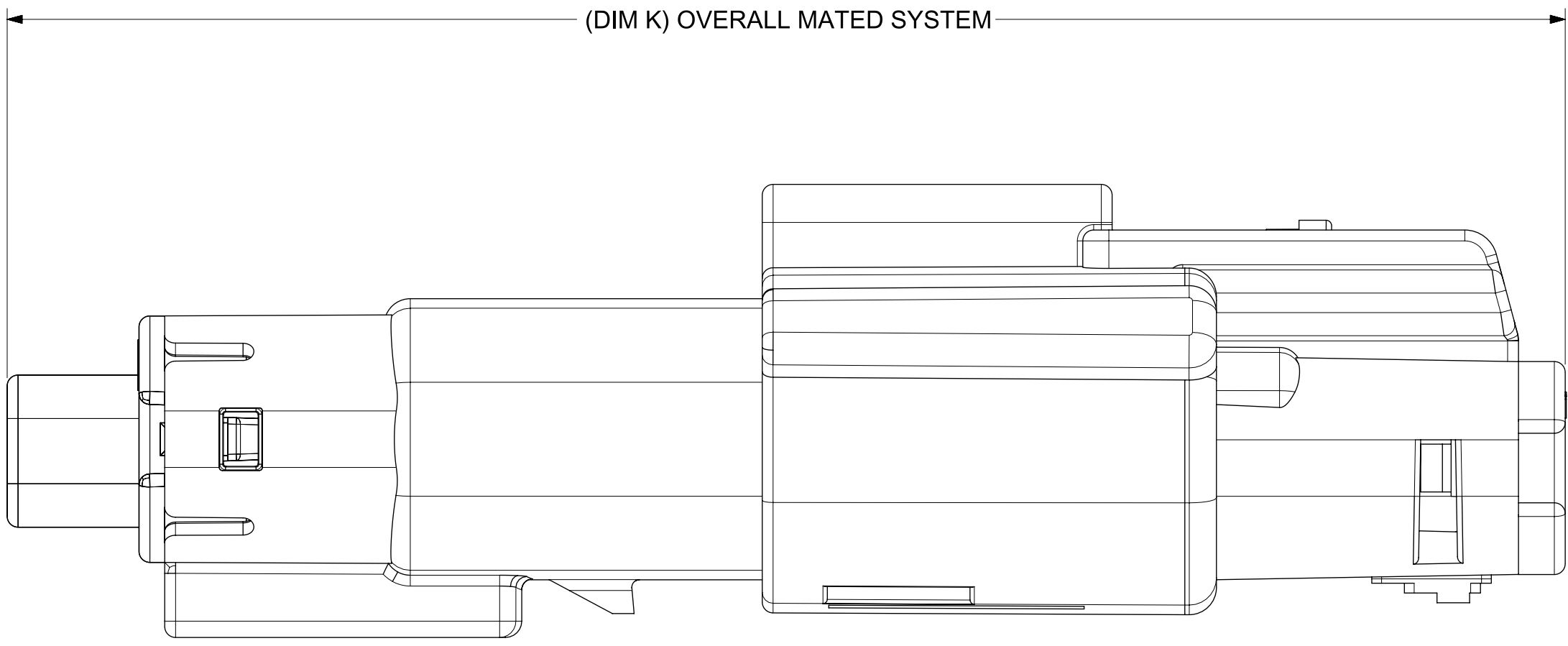


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN IN FINAL-LOCK POSITION
SECTION Z-Z

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: CO-000012501 DRWN: Yann Chen 02-Sep-2022 CHK'D: Matt Young 08-May-2024 APPR: Elvis Song 10-May-2024 INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14				molex MX150 BLADE SINGLE ROW SEALED ASSY			
		MM ONLY		3:1									
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			= 0	4 PLACES ± 0						DOCUMENT NUMBER		DOC TYPE	
	= 0	3 PLACES ± 0		SD-33481-0001		PSD		001		A2			
		= 0	2 PLACES ± 0		DRAWING		CUSTOMER		SHEET NUMBER				
	= 0		1 PLACE ± 0										
		= 0	0 PLACES ± 0		A1-SIZE		33481		SEE NOTE 2a.		GENERAL MARKET		5 OF 9
	= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
		= 0			THIRD ANGLE PROJECTION								
	= 0												

SHEET DESCRIPTION
SYSTEM PACKAGING

CHARTED DIMENSIONS				
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS	
			K	L
1X2	STANDARD	STANDARD	73.85	23.37
1X6	STANDARD	STANDARD	72.71	35.38



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 ± 0.5°															
	= 0	4 PLACES		± 0		EC NO: CO-000012501				MX150 BLADE SINGLE ROW SEALED ASSY							
	= 0	3 PLACES		± 0		DRWN: Yann Chen 02-Sep-2022											
	= 0	2 PLACES		± 0		CHK'D: Matt Young 08-May-2024											
	= 0	1 PLACE		± 0		APPR: Elvis Song 10-May-2024				PRODUCT SALES DRAWING							
	= 0	0 PLACES		± 0		INITIAL REVISION:											
	= 0	0 PLACES		± 0		DRWN: APROFFITT 2015/07/21				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
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DOCUMENT STATUS	Production	RELEASE DATE	10-May-2024	15:02:02
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SHEET DESCRIPTION

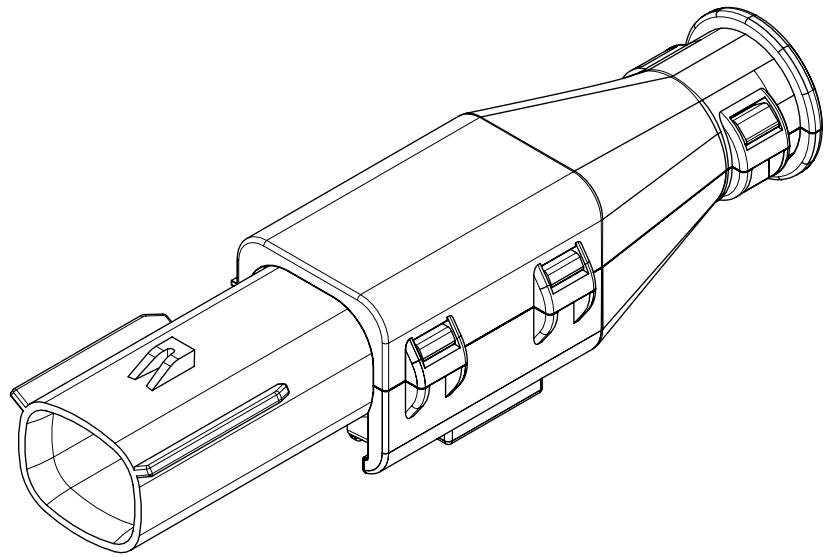
BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33481-0001.
 - 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.

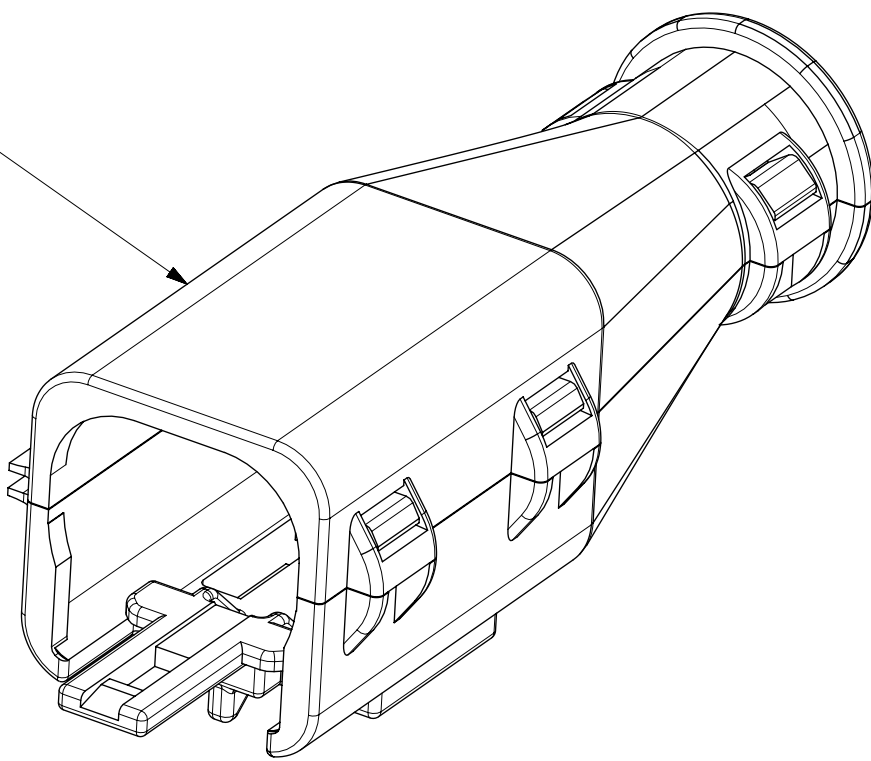
BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

- 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

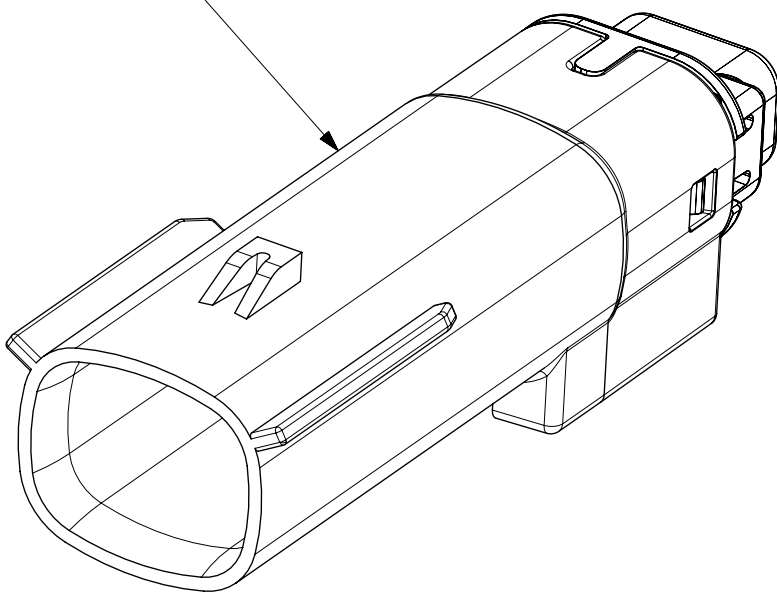


1X2

BACKSHELL (BKS)



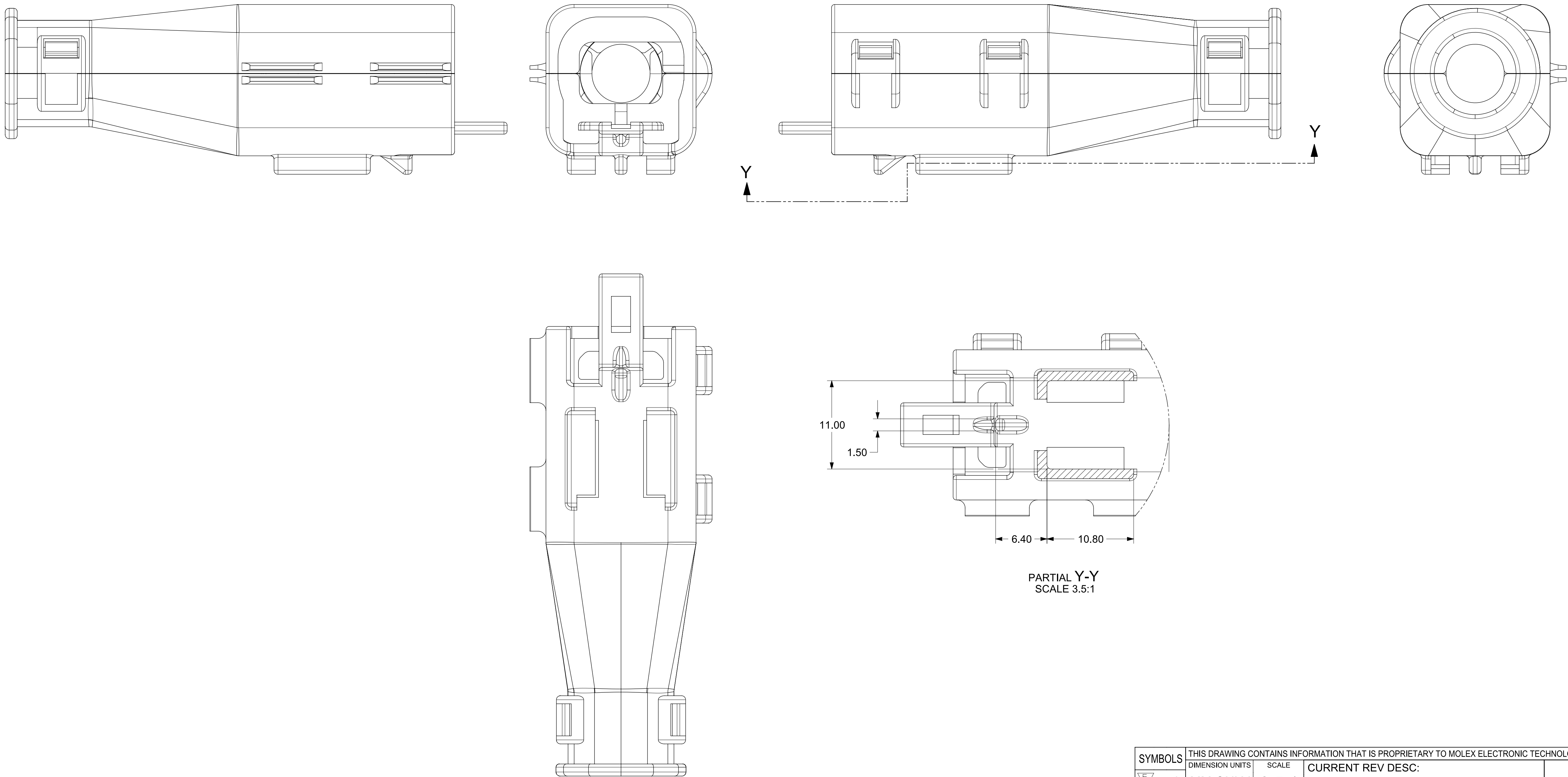
BLADE SEALED ASSEMBLY



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	4 PLACES	± 0									
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	= 0				A1-SIZE	33481	SEE NOTE 2a.	GENERAL MARKET		7 OF 9		

SHEET DESCRIPTION

BACKSHELL

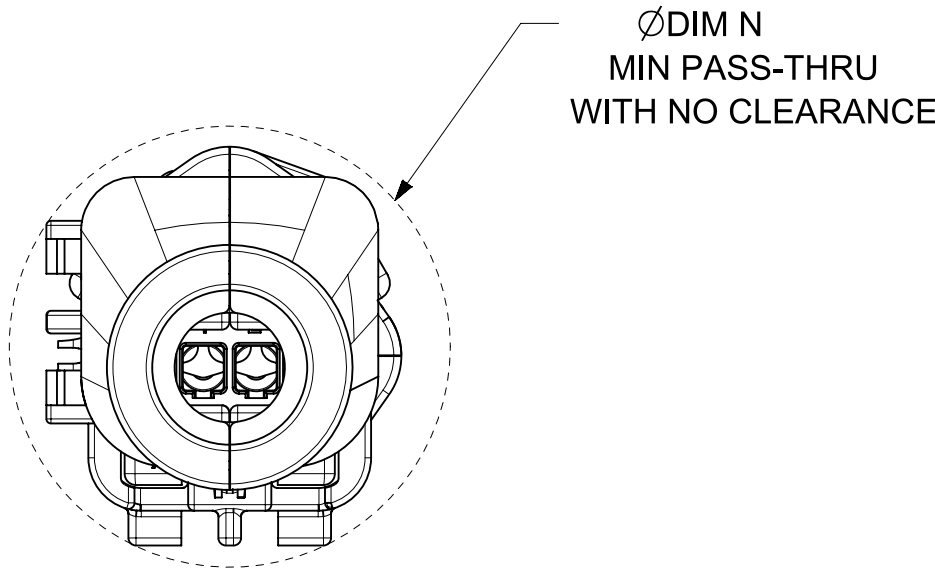
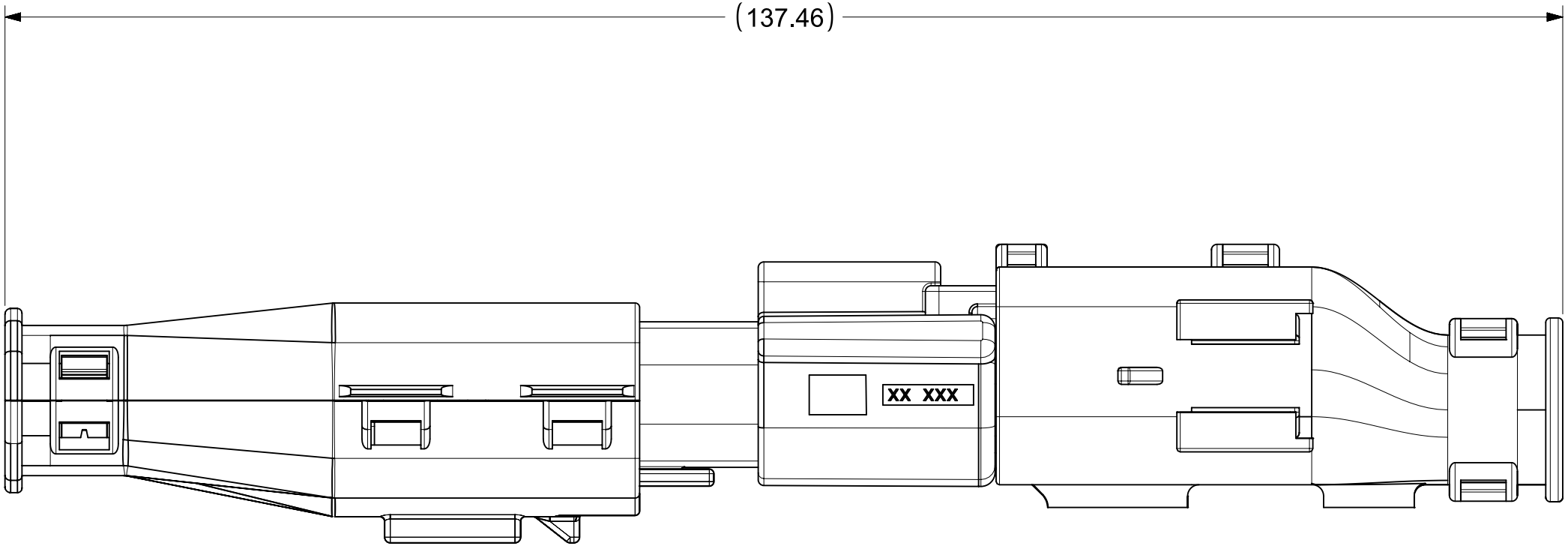


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
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	= 0	ANGULAR TOL ± 0.5 °									
	= 0	4 PLACES	± 0					PRODUCT SALES DRAWING			
	= 0	3 PLACES	± 0								
	= 0	2 PLACES	± 0					DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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	= 0	0 PLACES	± 0	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A1-SIZE	33481	SEE NOTE 2a.	GENERAL MARKET		8 OF 9	

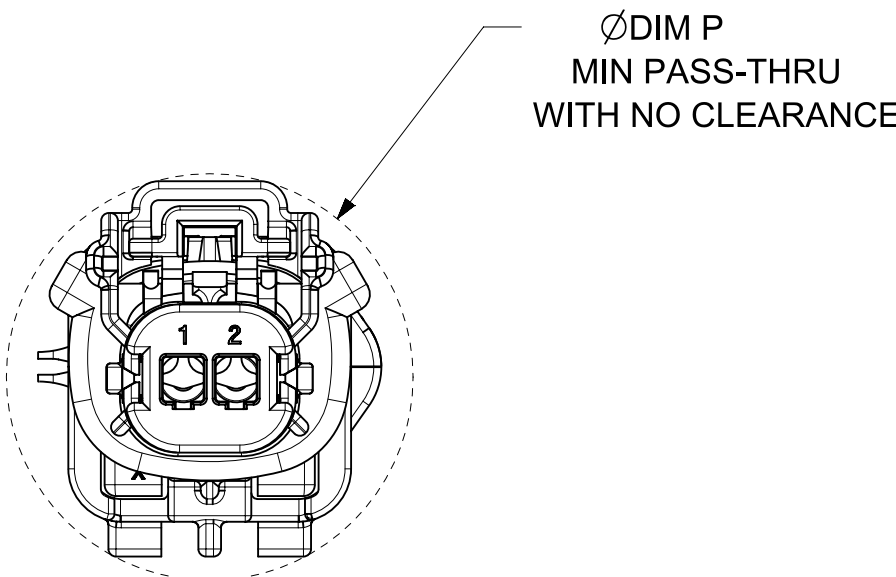
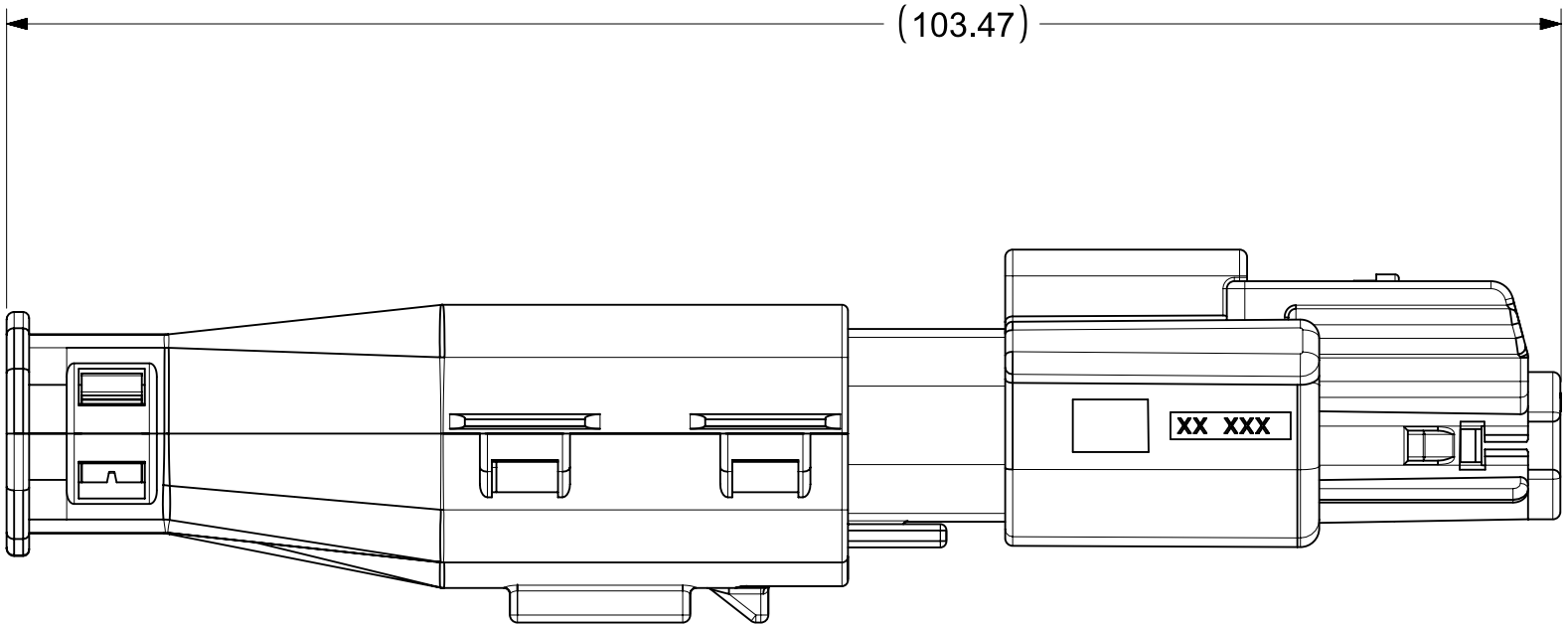
DOCUMENT STATUS	Production	RELEASE DATE	10-May-2024 15:02:02
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SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

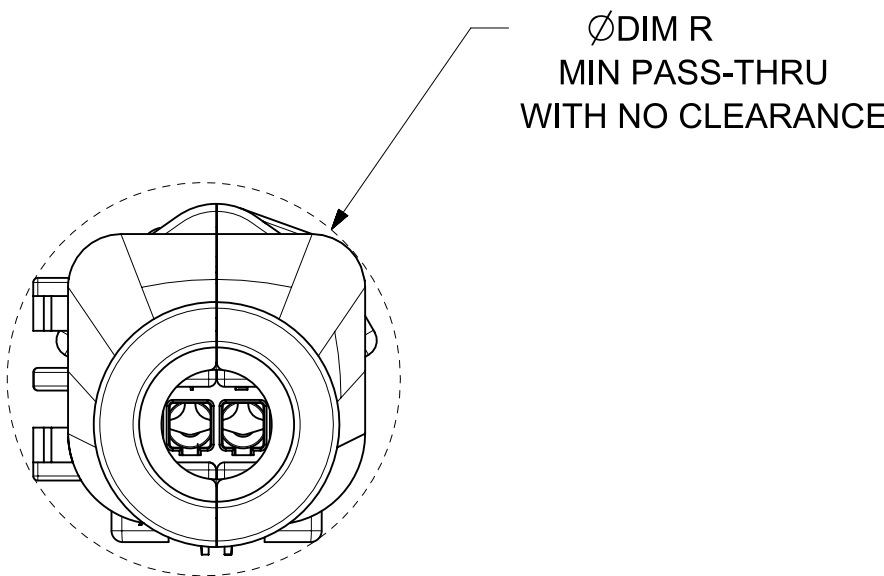
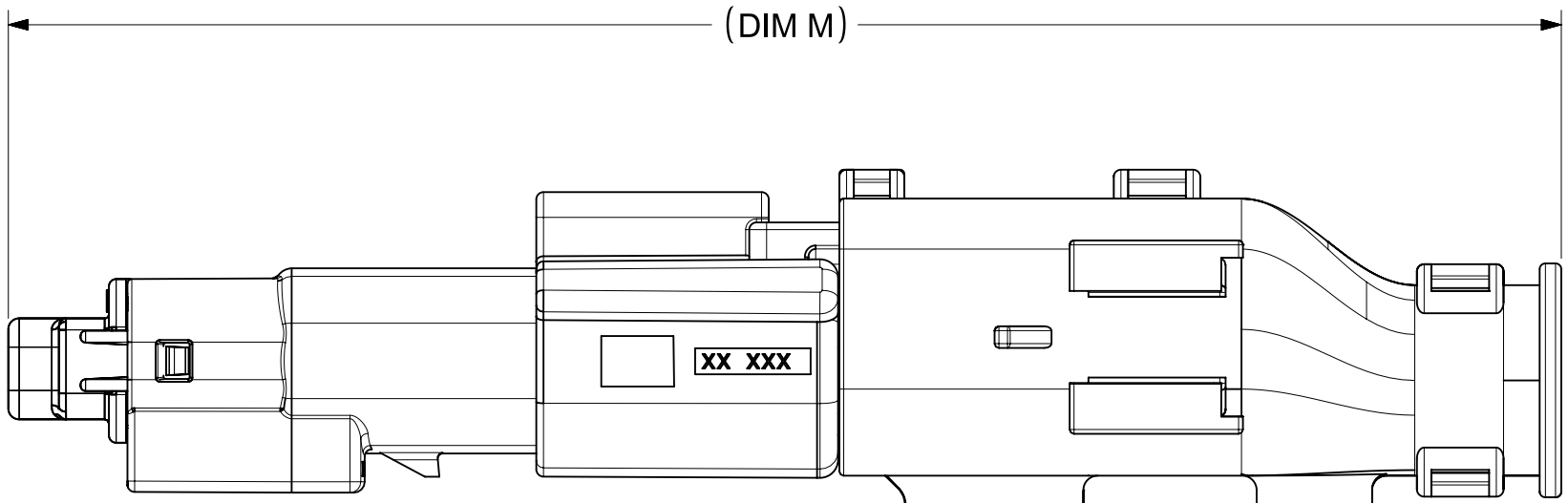
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



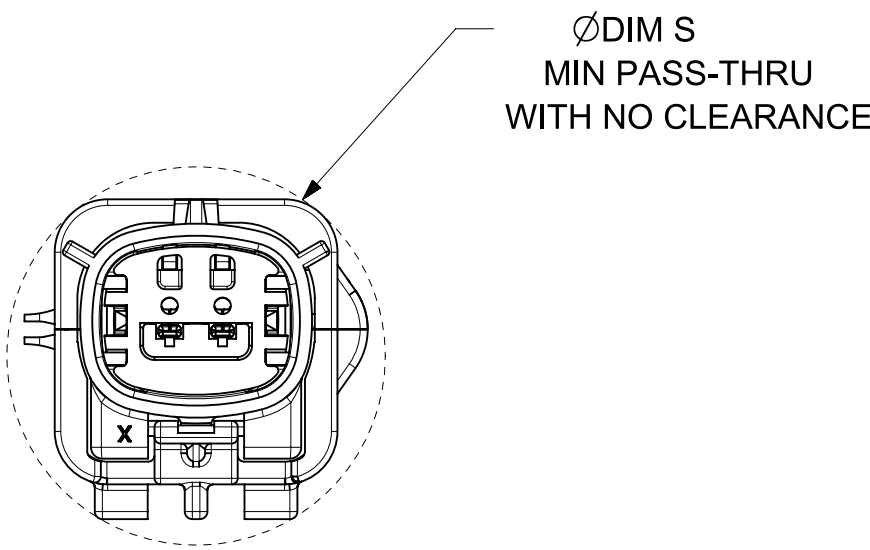
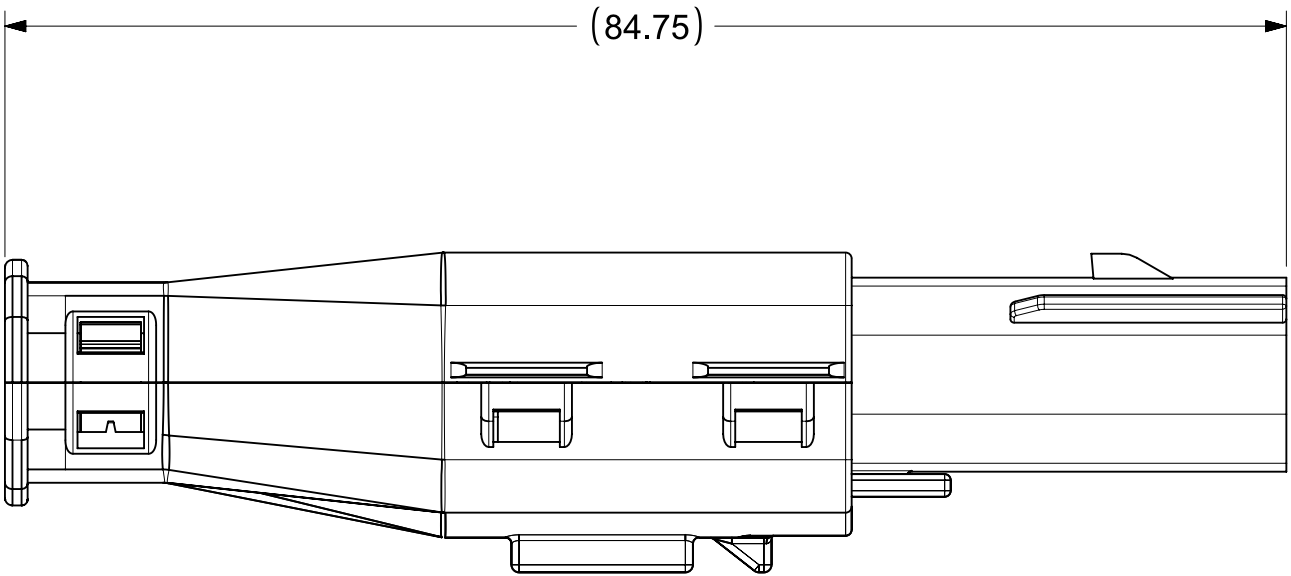
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

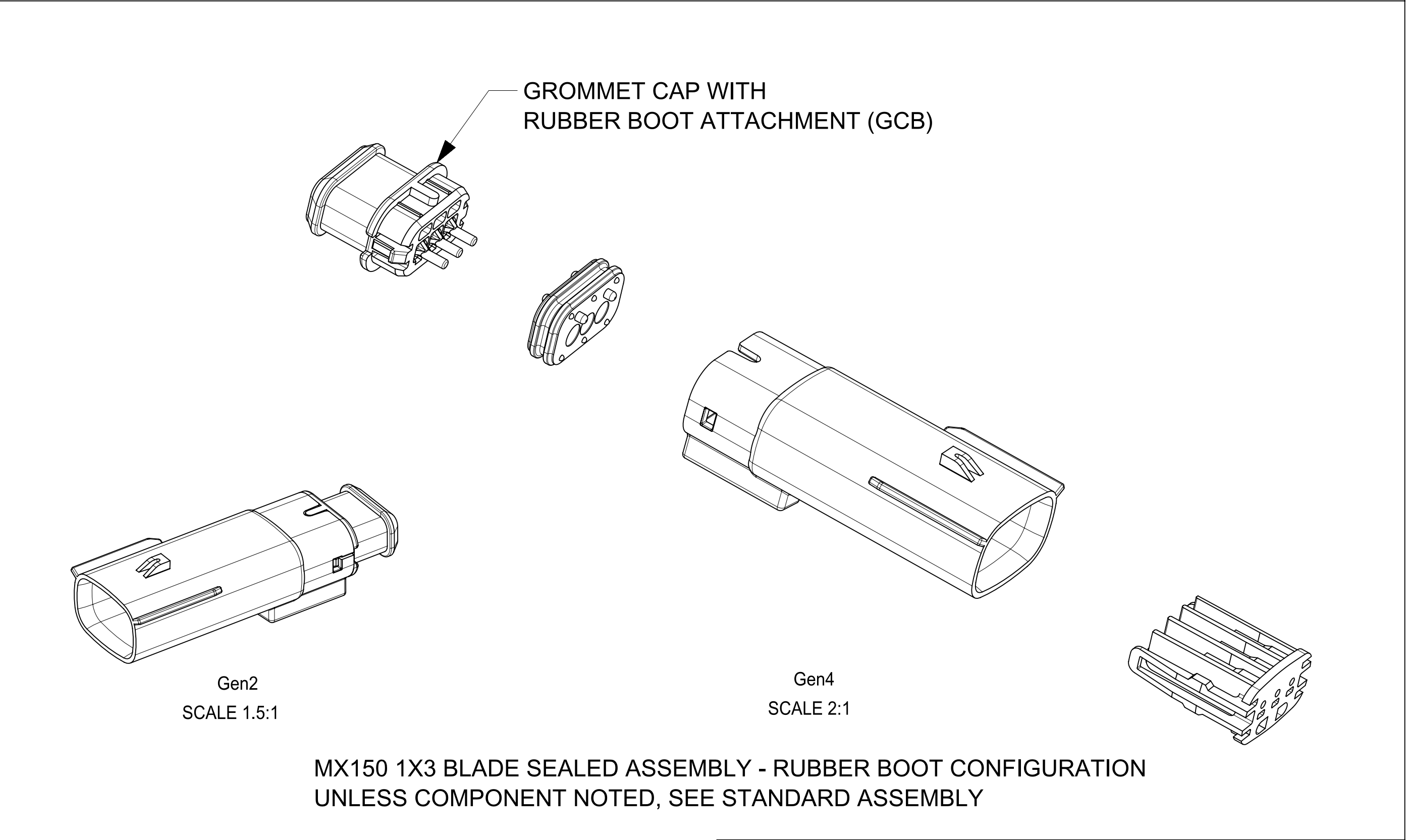
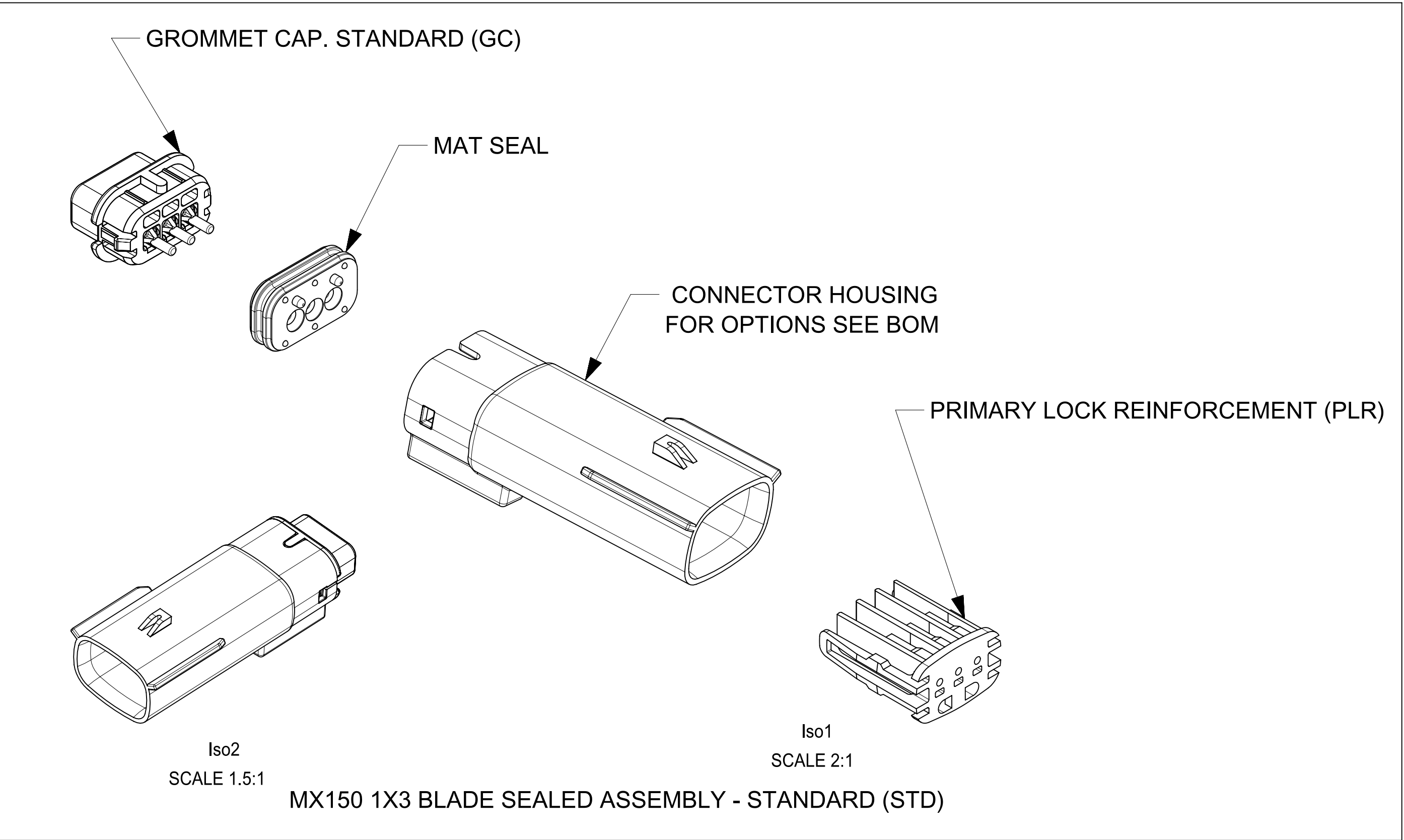


BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

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: EC NO: CO-000012501 DRWN: Yann Chen 02-Sep-2022 CHK'D: Matt Young 08-May-2024 APPR: Elvis Song 10-May-2024 INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14											
		MM ONLY		2:1													
		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± 0.5 °															
		4 PLACES ± 0															
		3 PLACES ± 0		molex MX150 BLADE SINGLE ROW SEALED ASSY													
		2 PLACES ± 0															
		1 PLACE ± 0															
		0 PLACES ± 0		PRODUCT SALES DRAWING													
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															
				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A1-SIZE		33481		SD-33481-0001		PSD		001		A2	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE NOTE 2a.		GENERAL MARKET				9 OF 9	

DOCUMENT STATUS	Production	RELEASE DATE	10-May-2024	15:02:02
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TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	RUBBER BOOT CONFIGURATION
6	BOM
7	RUBBER BOOT INTERFACE



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-33471-031.
- 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 45 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. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- b. MAT SEAL: INHERENTLY LUBRICATED SILICONE

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

MODELS USED
EM-33481-301
EM-33481-302
EM-33481-303
EM-33481-304
EM-33481-305
AM-150-S-003-1-Z05

INSPECTION NUMBER LOG
LAST NUMBER USED: 21
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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516676									
MM		3:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 3°													
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.100											
1 PLACE		± 0.30											
0 PLACES		±											
STATUS: Production DRWN: Ravindra Reddy MS 2026-04-21 CHK'D: Ganesh Rao B 2026-05-06 APPR: Gurunandan GA 2026-05-06				molex MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL									
				PRODUCT CUSTOMER DRAWING									
				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
				SD-33481-031				PSD		001		R9	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING D-SIZE		SERIES 33481	
								CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 7			

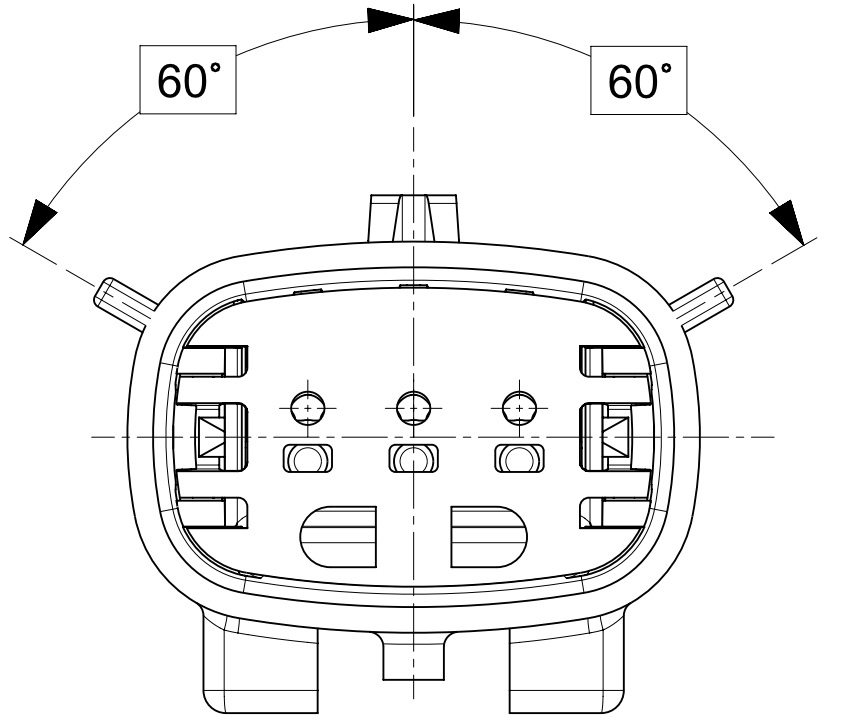
R9	REMOVED OBSOLETE PART NUMBER
R8	ADDED NEW PART NUMBER 33481-3326
R7	UPDATED DESIGN CHANGE- ADDED RELIEF SLOT
R6	OBSOLETE 'CUSTOM' COLOR P/NS
R5	ADDED STATUS COLUMN
R4	ADD P/NS 33481-3301 TO 33481-3341
R3	DEVIATED THE DIM 16
R2	RELEASED P/N 33481-0341
R1	RELEASED P/N 33481-0340, DELETED P/N 33481-0331
R	ADD RUBBER BOOT CONFIGURATION
Q	UPDATE P/N 33481-0326 TO 33481-0330
P	ADD NEW P/N 33481-0326
N	UPDATED GROMMET CAP
M3	UPDATED DIMENSIONS TO MATCH MODEL
M2	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD
M1	UPDATED NOTES
M	REDRAWN
REV	DESCRIPTION

molex

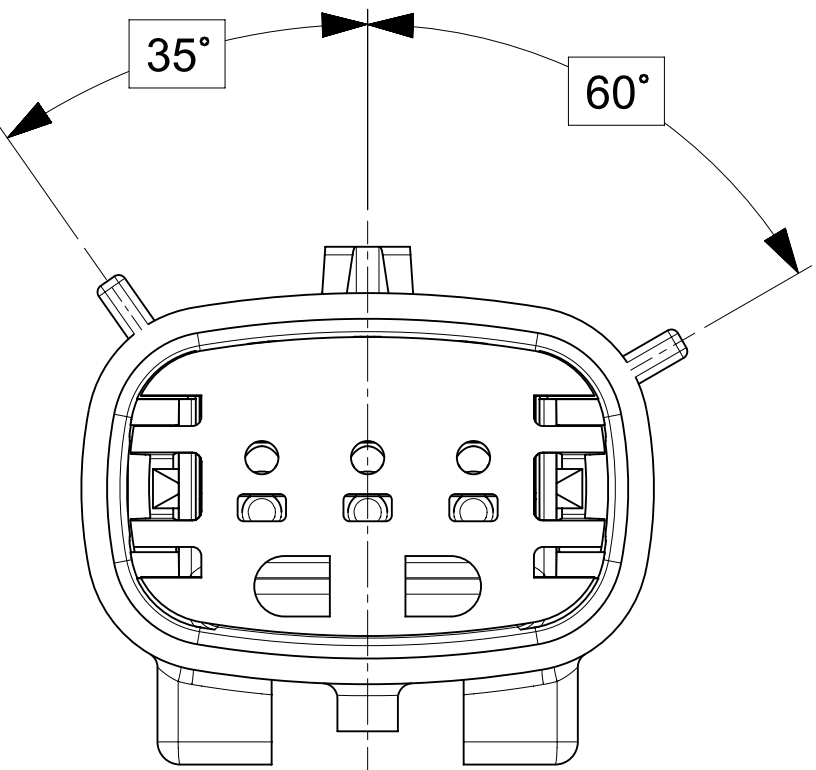
MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

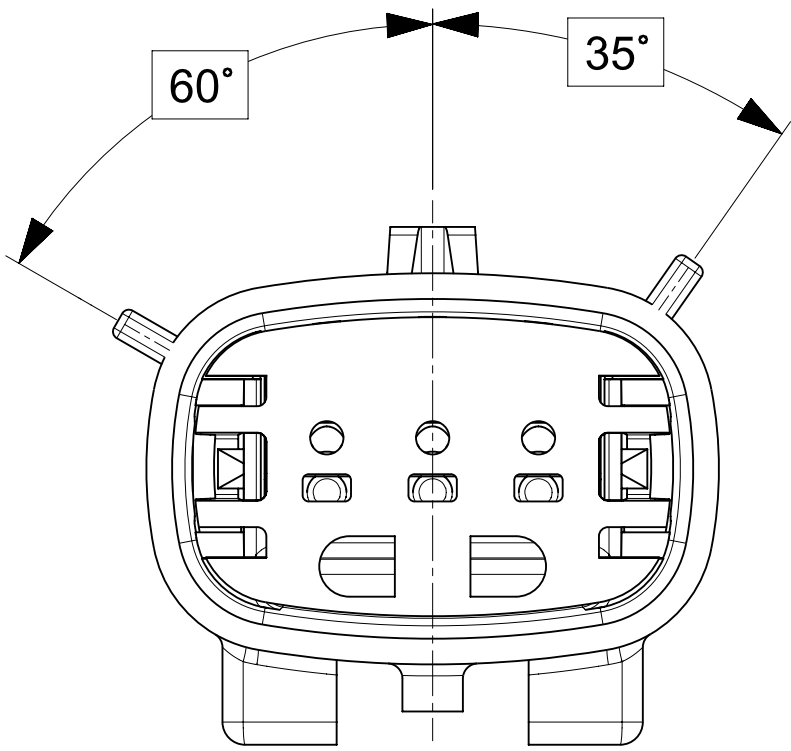
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SD-33481-031	PSD	001	R9



KEY A

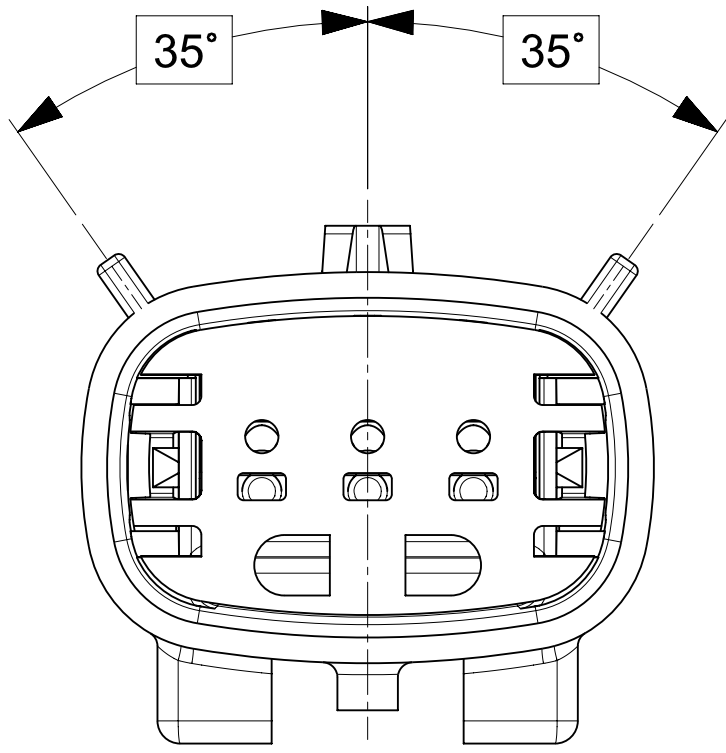


KEY B



Front2

KEY C



KEY D

KEY CONFIGURATION

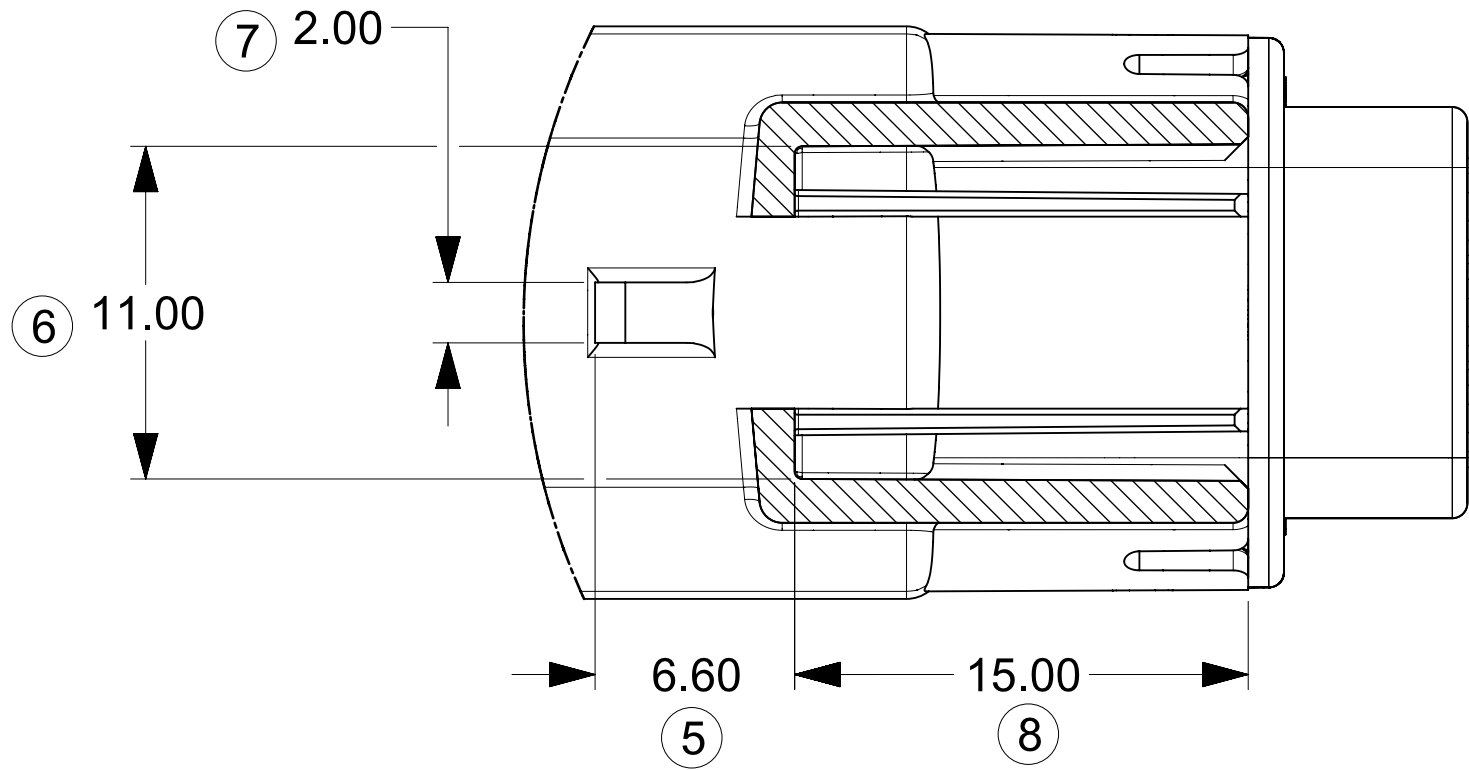
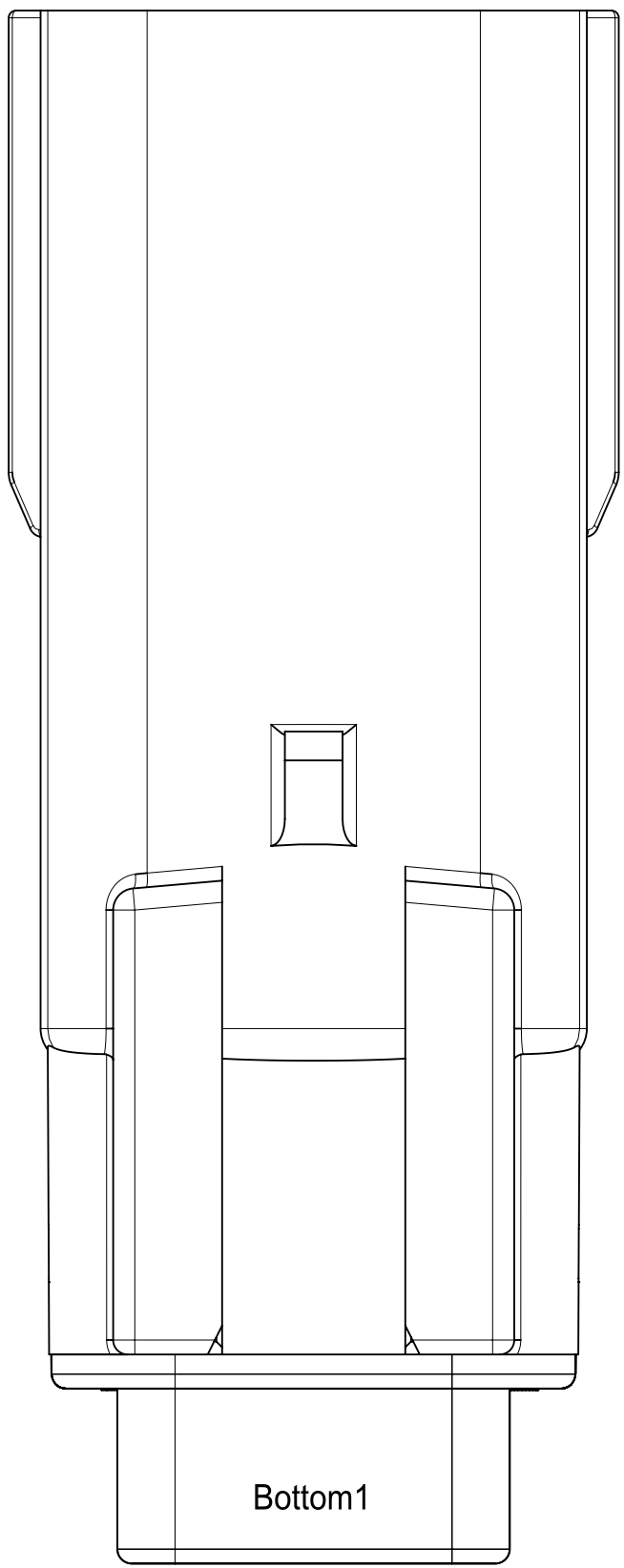
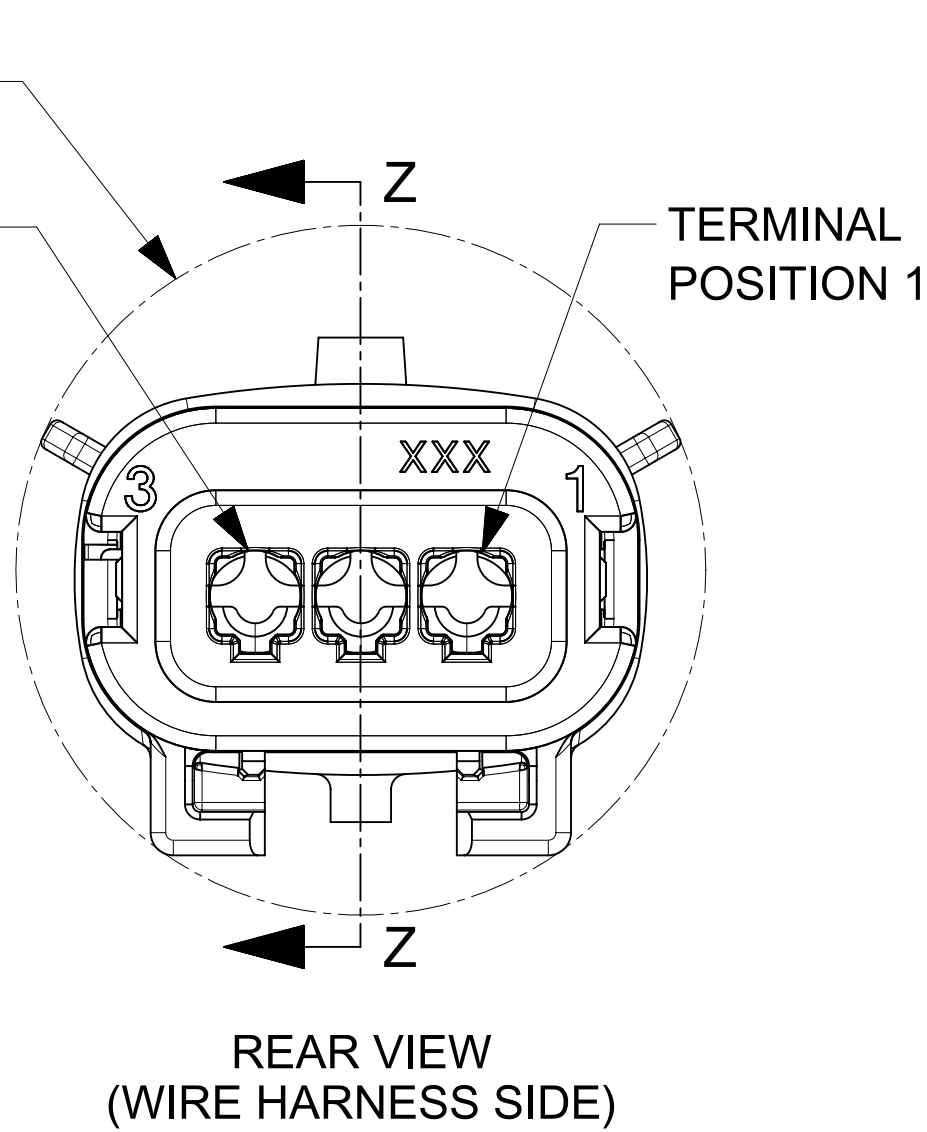
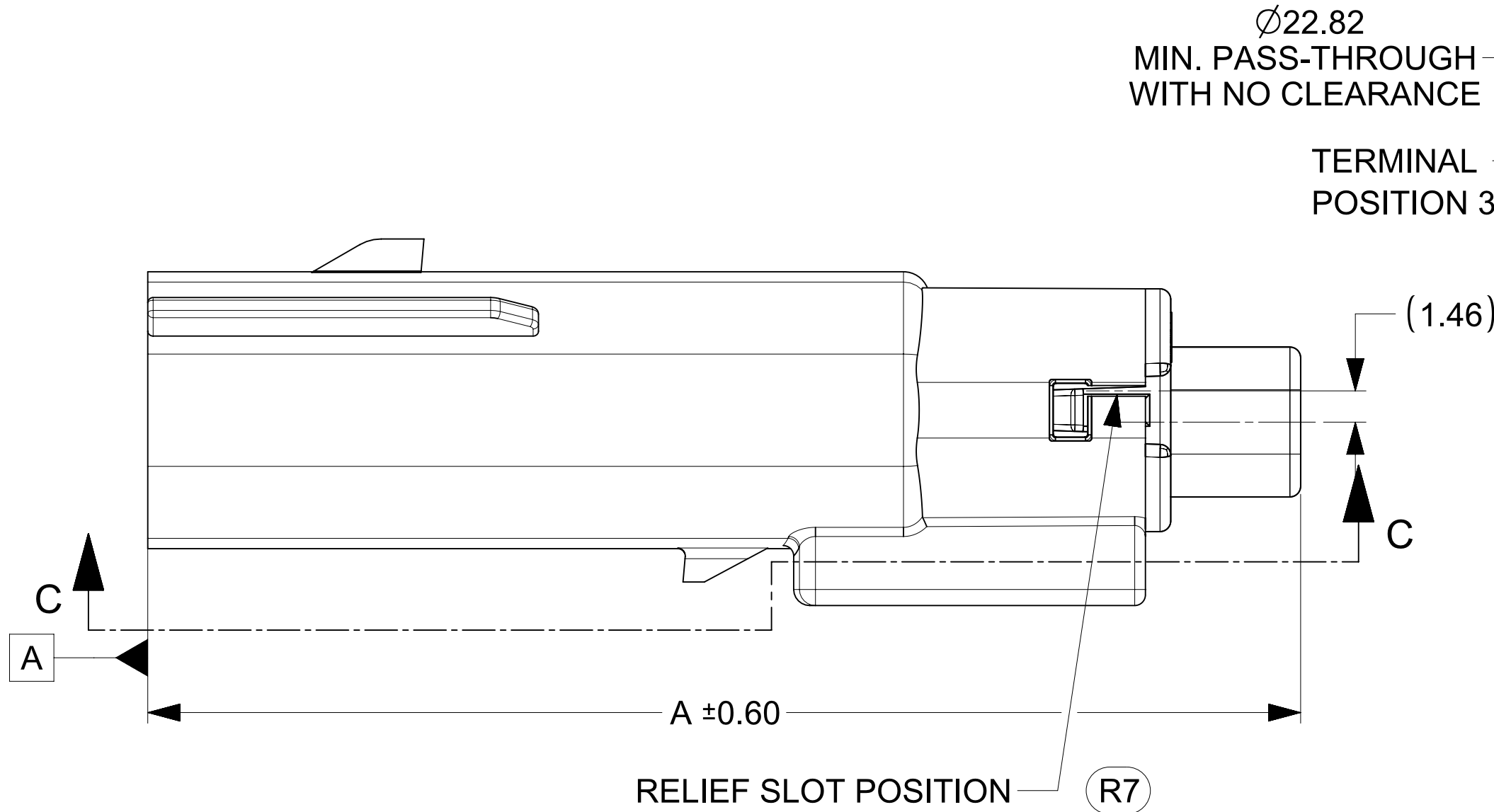
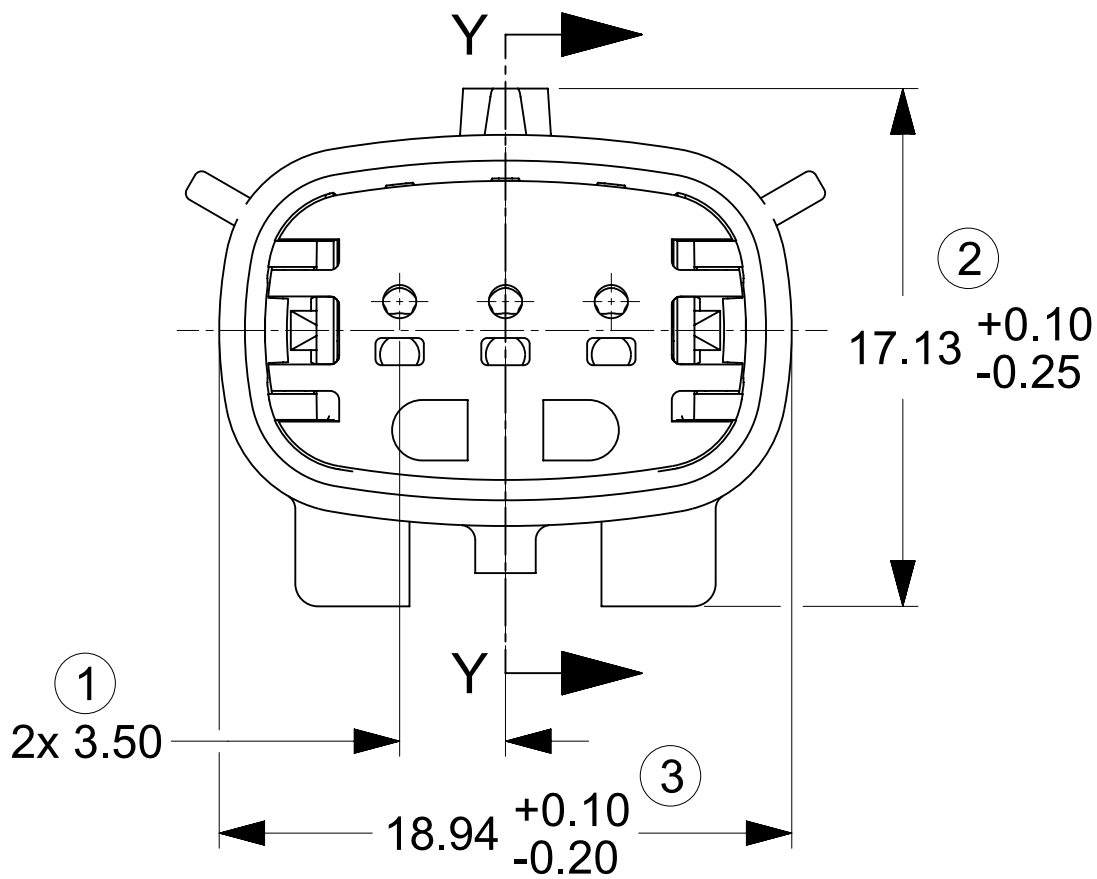
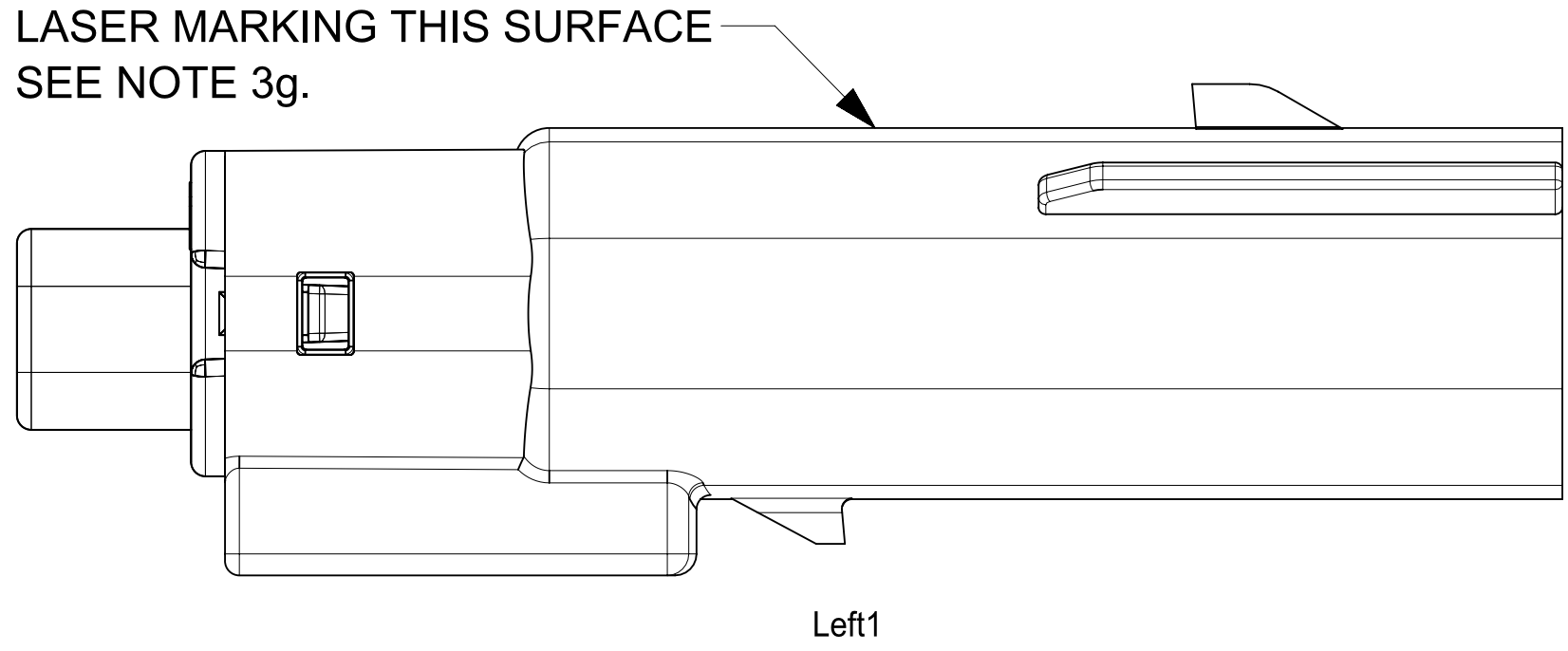
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
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MM		4:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)								MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL					
ANGULAR TOL ± 3°													
4 PLACES		±		PRODUCT CUSTOMER DRAWING									
3 PLACES		±											
2 PLACES		± 0.100											
1 PLACE		± 0.30											
0 PLACES		±											
STATUS: Production DRWN: Ravindra Reddy MS 2026-04-21 CHK'D: Ganesh Rao B 2026-05-06 APPR: Gurunandan GA 2026-05-06				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION					
				SD-33481-031		PSD	001	R9					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
		 		D-SIZE		33481		SEE TABLE		GENERAL MARKET		2 OF 7	

molex

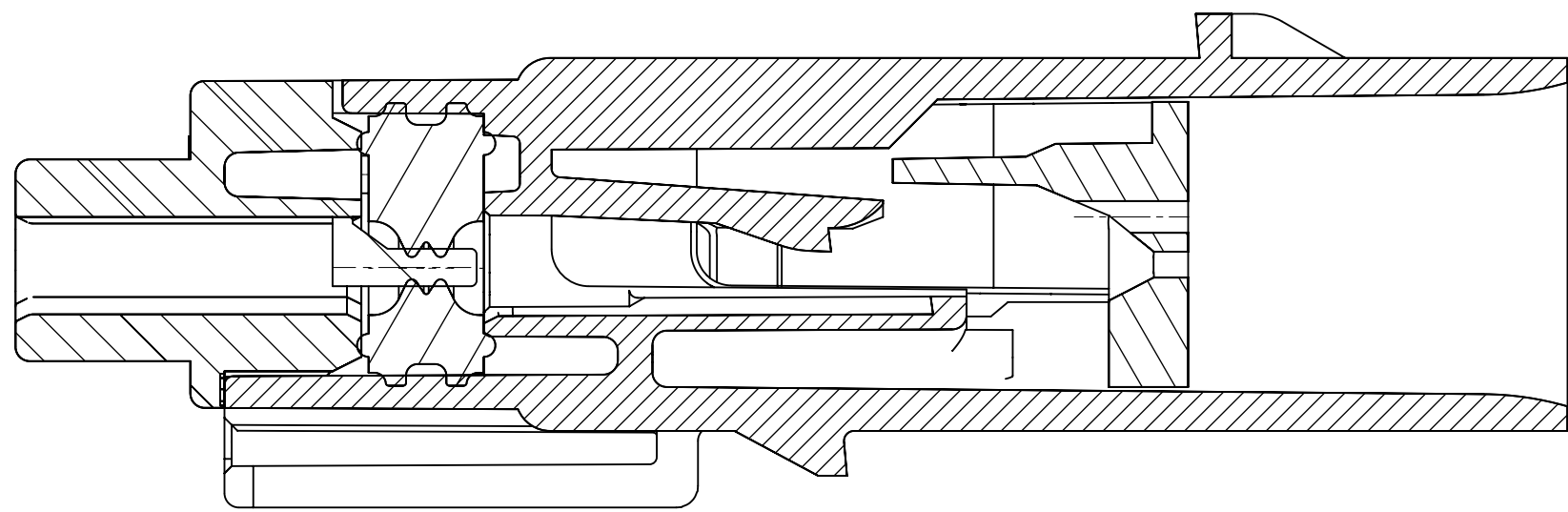
MX150 1X3 BLADE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

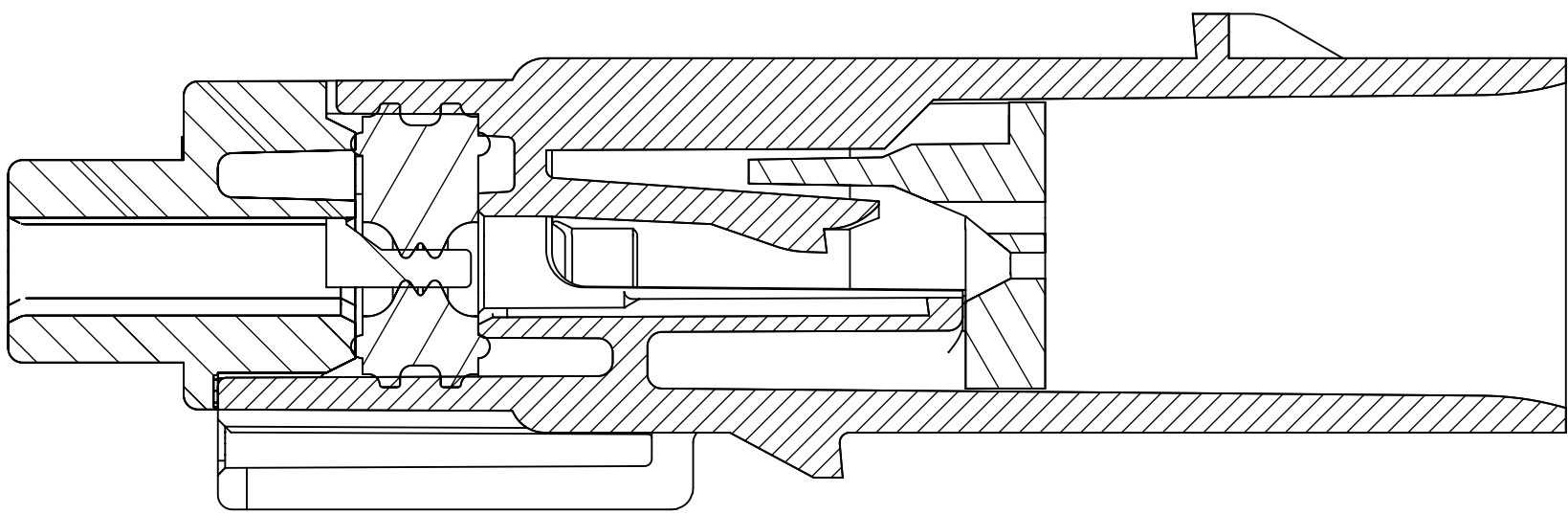
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-031	PSD	001	R9



SECTION C-C



SECTION Z-Z



SECTION Y-Y

CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RIBBER BOOT CONFIGURATION	57.85

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: RENOVED OBSOLETE PART NUMBERS AS PER PCN#516676				molex MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL PRODUCT CUSTOMER DRAWING			
MM		4:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Ravindra Reddy MS CHK'D: Ganesh Rao B APPR: Gurunandan GA 2026-04-21 2026-05-06 2026-05-06		DOCUMENT NUMBER				DOC TYPE	DOC PART
ANGULAR TOL		±	3°			SD-33481-031		PSD	001	R9	
4 PLACES		±									
3 PLACES		±									
2 PLACES		±	0.100								
1 PLACE		±	0.30	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
0 PLACES		±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE TABLE		GENERAL MARKET	3 OF 7
						D-SIZE		33481			

molex

MX150 1X3 BLADE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

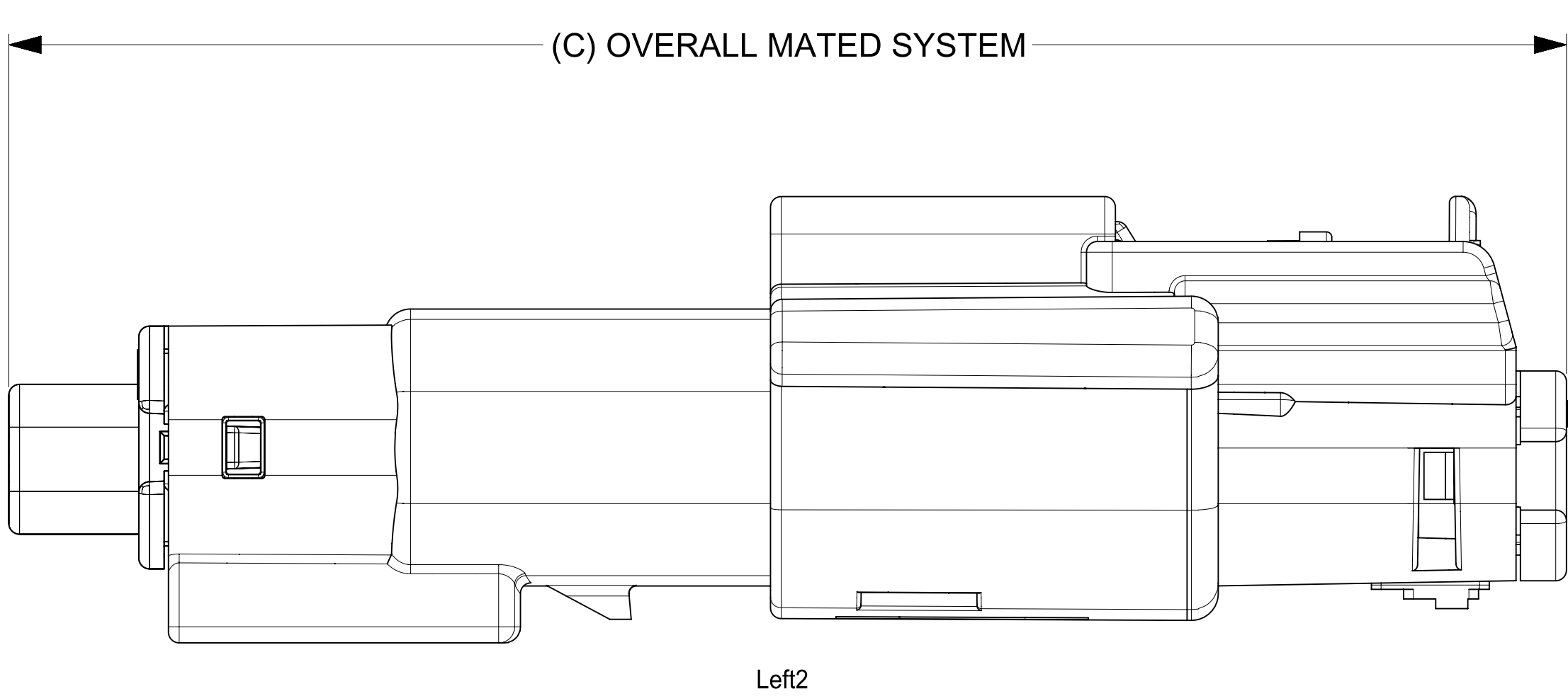
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SD-33481-031

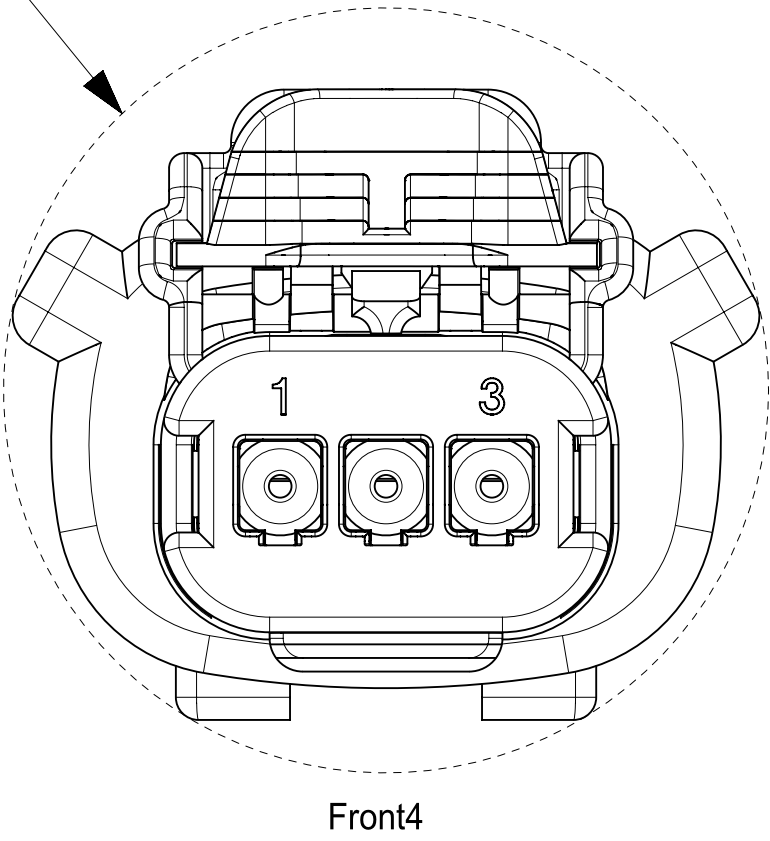
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001

R9

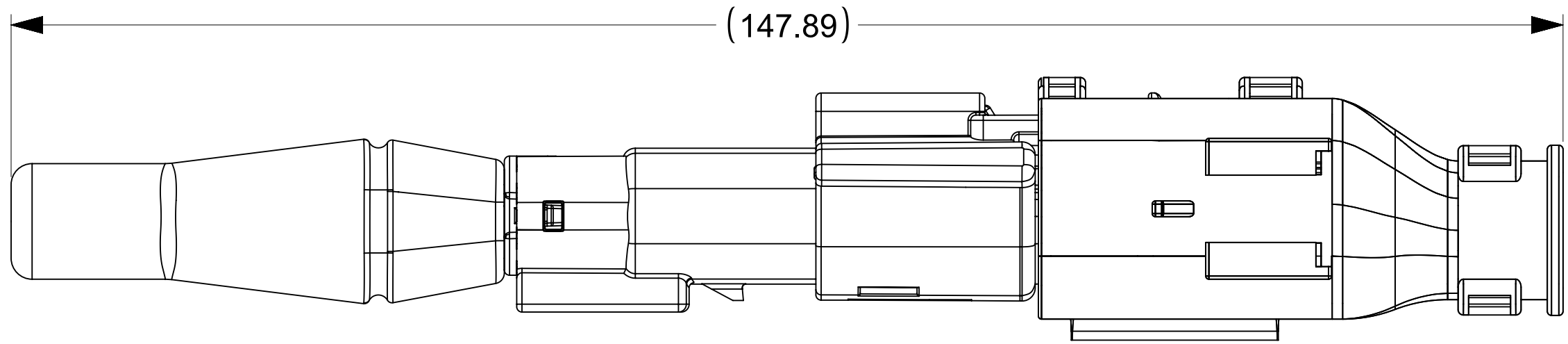


Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



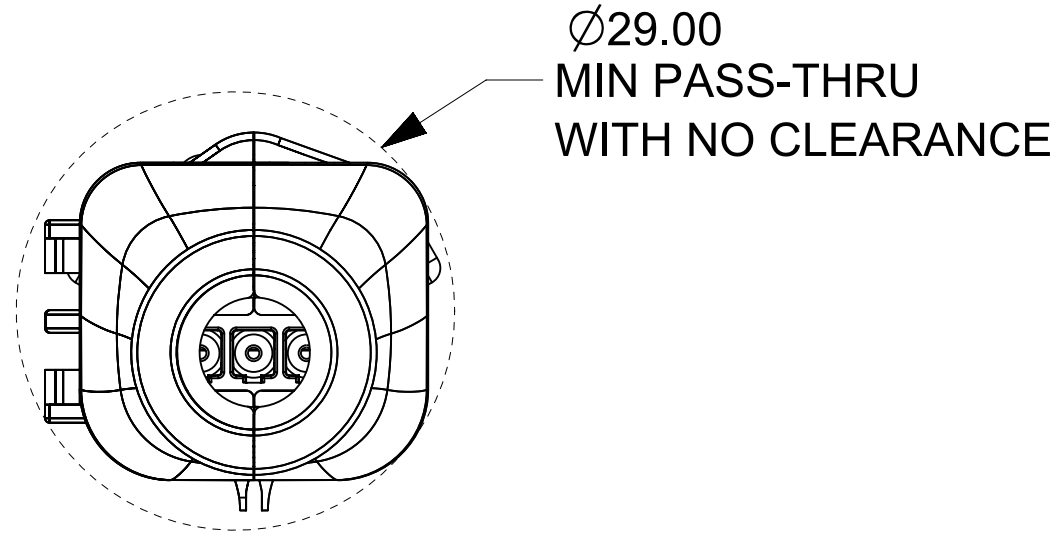
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RIBBER BOOT CONFIGURATION	57.85

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: RENOVED OBSOLETE PART NUMBERS AS PER PCN#516676			molex				
MM		4:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		± 3°					MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL				
4 PLACES		±									
3 PLACES		±									
2 PLACES		± 0.100		STATUS: Production			PRODUCT CUSTOMER DRAWING				
1 PLACE		± 0.30									
0 PLACES		±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION			DRAWING		SERIES		
							D-SIZE		33481		
				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				SD-33481-031		PSD		001		R9	
				MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
				SEE TABLE		GENERAL MARKET				4 OF 7	

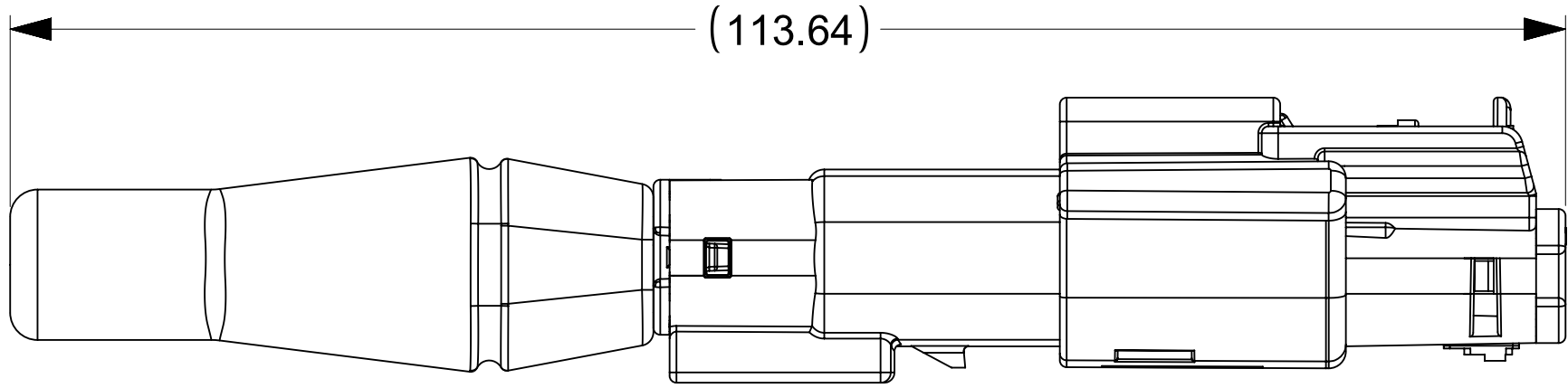


Front11

OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL

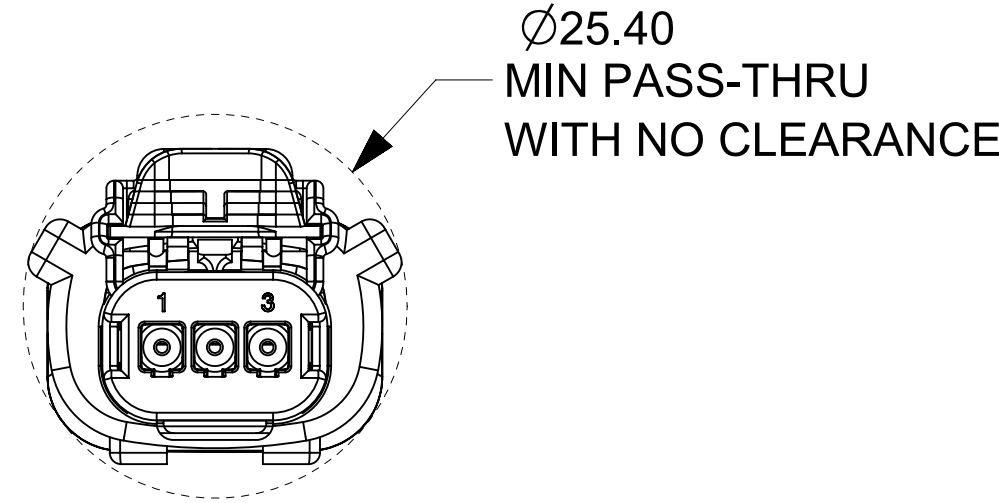


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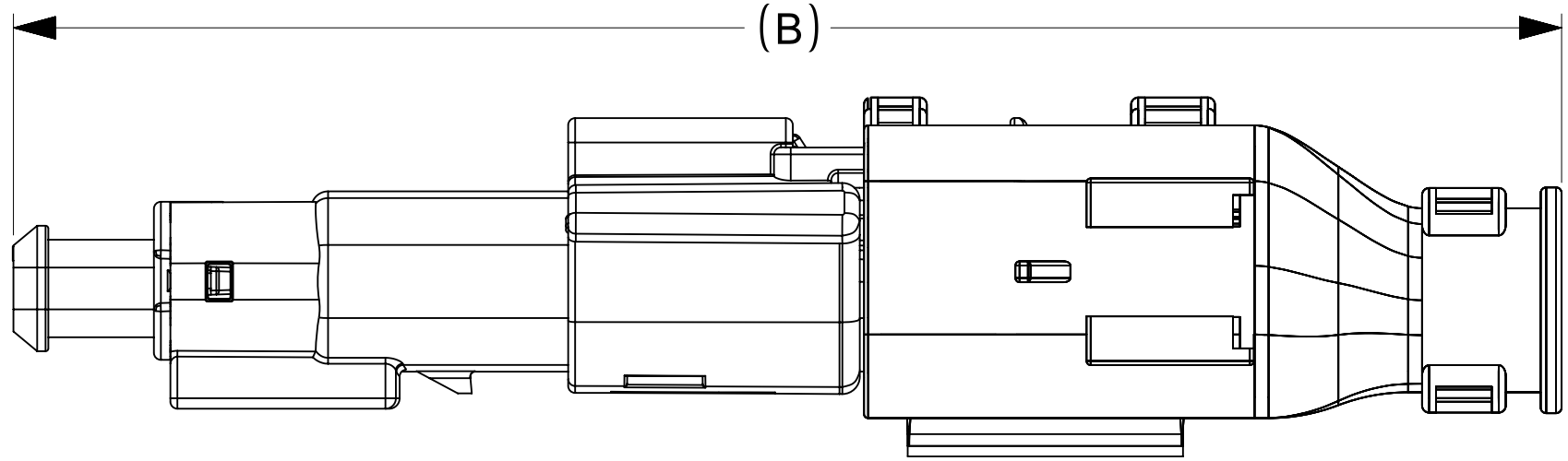


Front12

OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



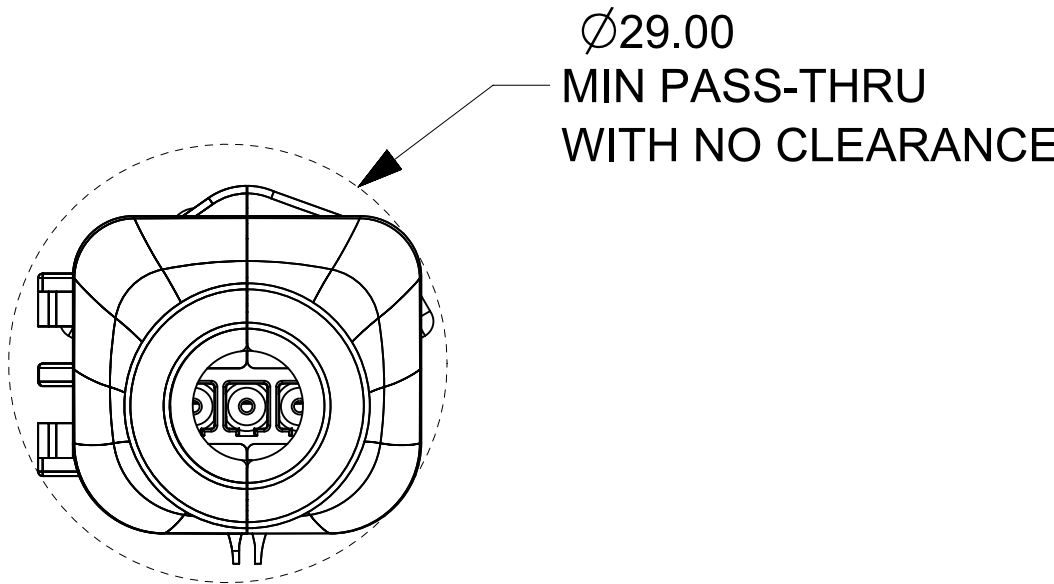
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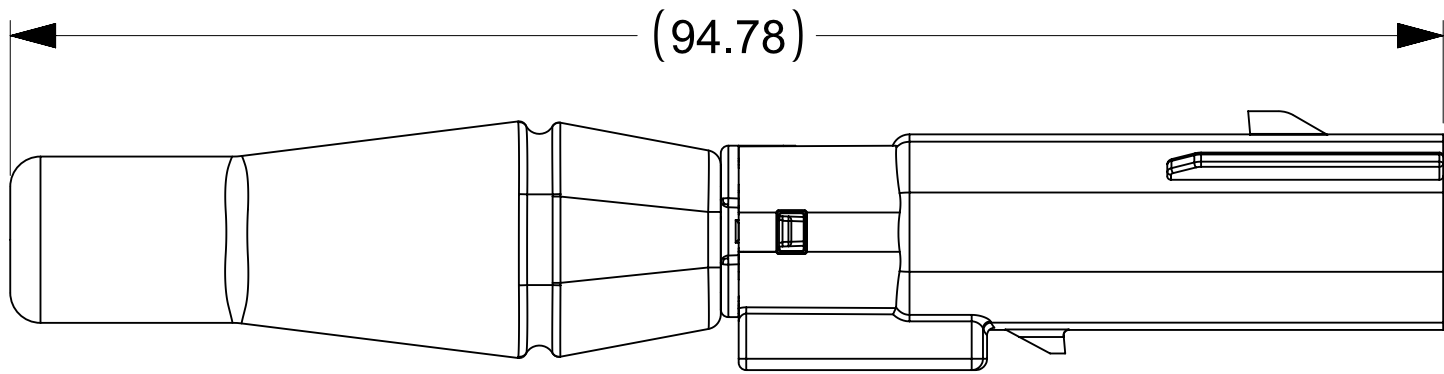
Front13

OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

CHARTED DIMENSIONS	
CONFIGURATION	B
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	106.96
MX150 1X3 BLADE SEALED ASSEMBLY - RIBBER BOOT CONFIGURATION	110.96

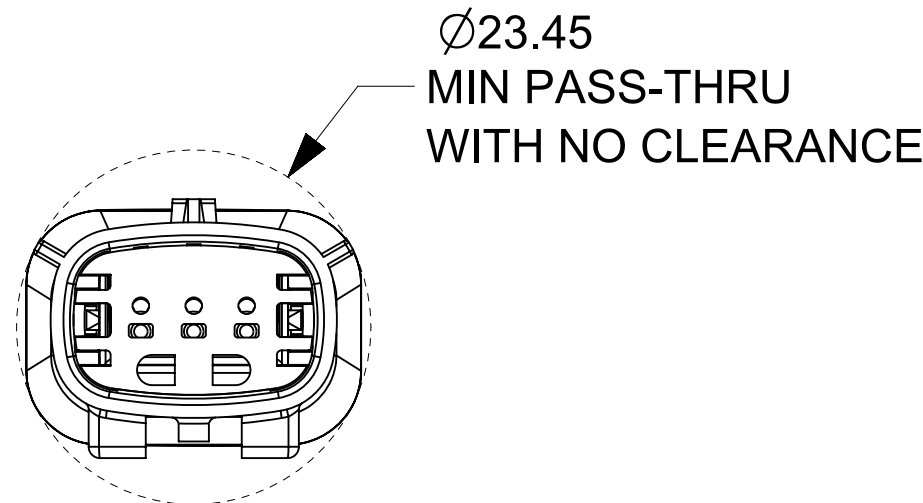


Right7



Front14

BLADE SEALED ASSEMBLY WITH BLADE RUBBER BOOT



Right8

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DIMENSION UNITS	SCALE
MM	2:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3°
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.100
1 PLACE	± 0.30
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516676

STATUS: Production

DRWN: Ravindra Reddy MS

CHK'D: Ganesh Rao B

APPR: Gurunandan GA

2026-04-21

2026-05-06

2026-05-06

THIRD ANGLE PROJECTION

DRAWING

D-SIZE

SERIES

33481

DOCUMENT NUMBER

SD-33481-031

DOC TYPE

PSD

DOC PART

001

REVISION

R9

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

5 OF 7

MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL

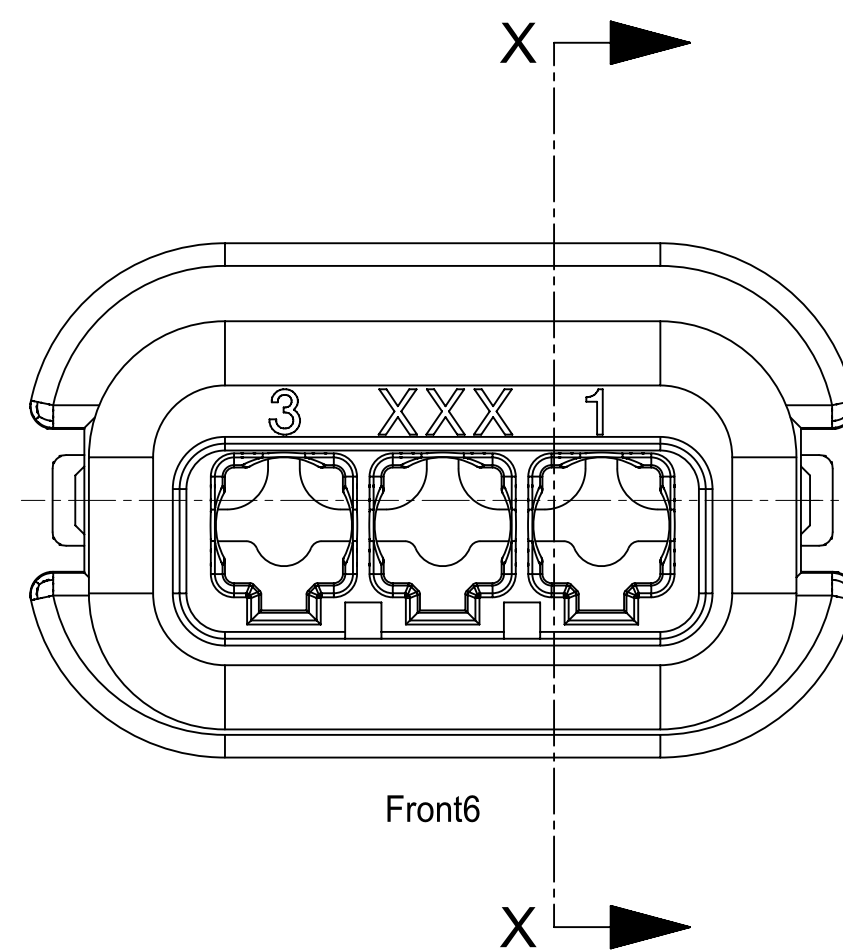
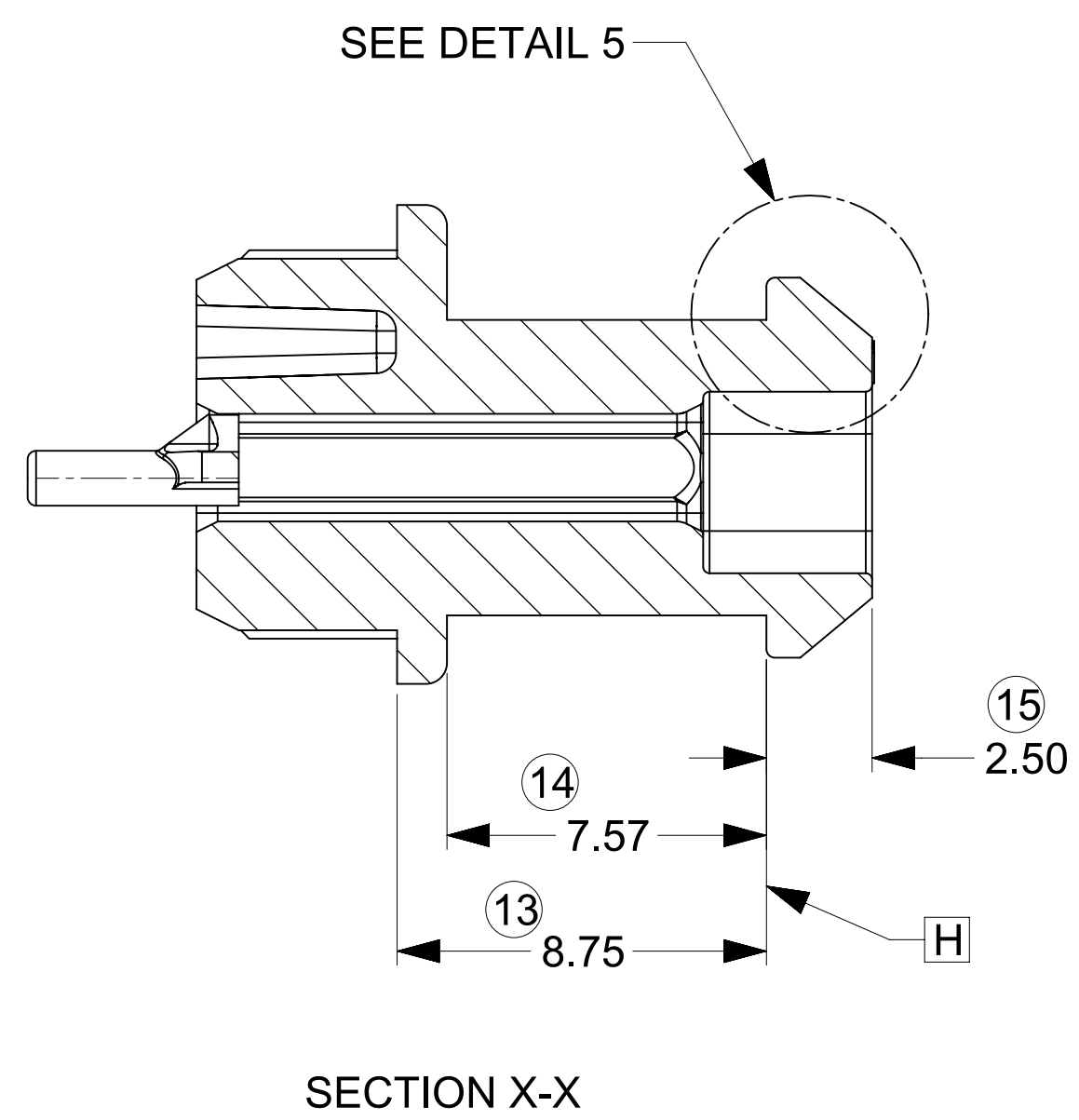
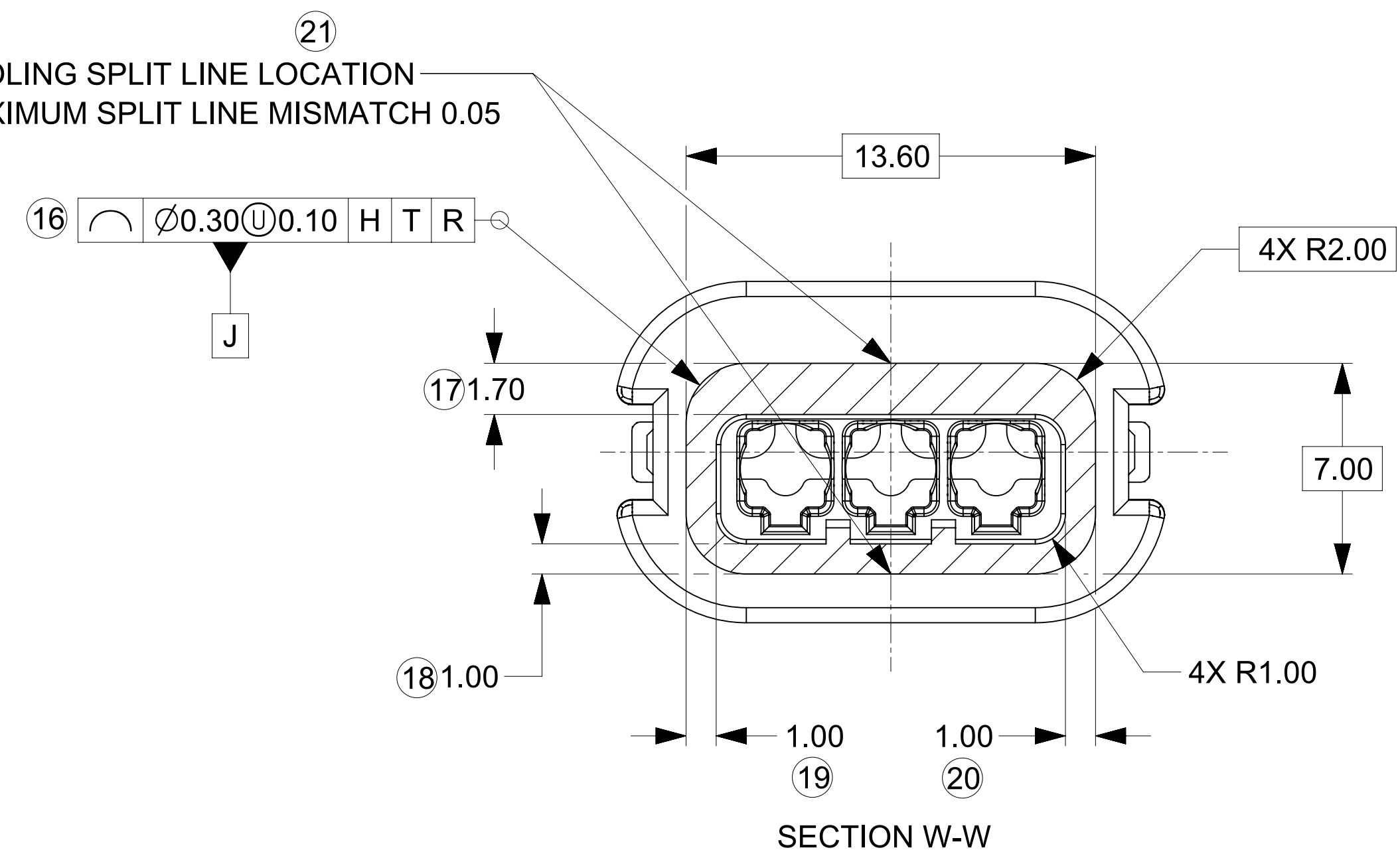
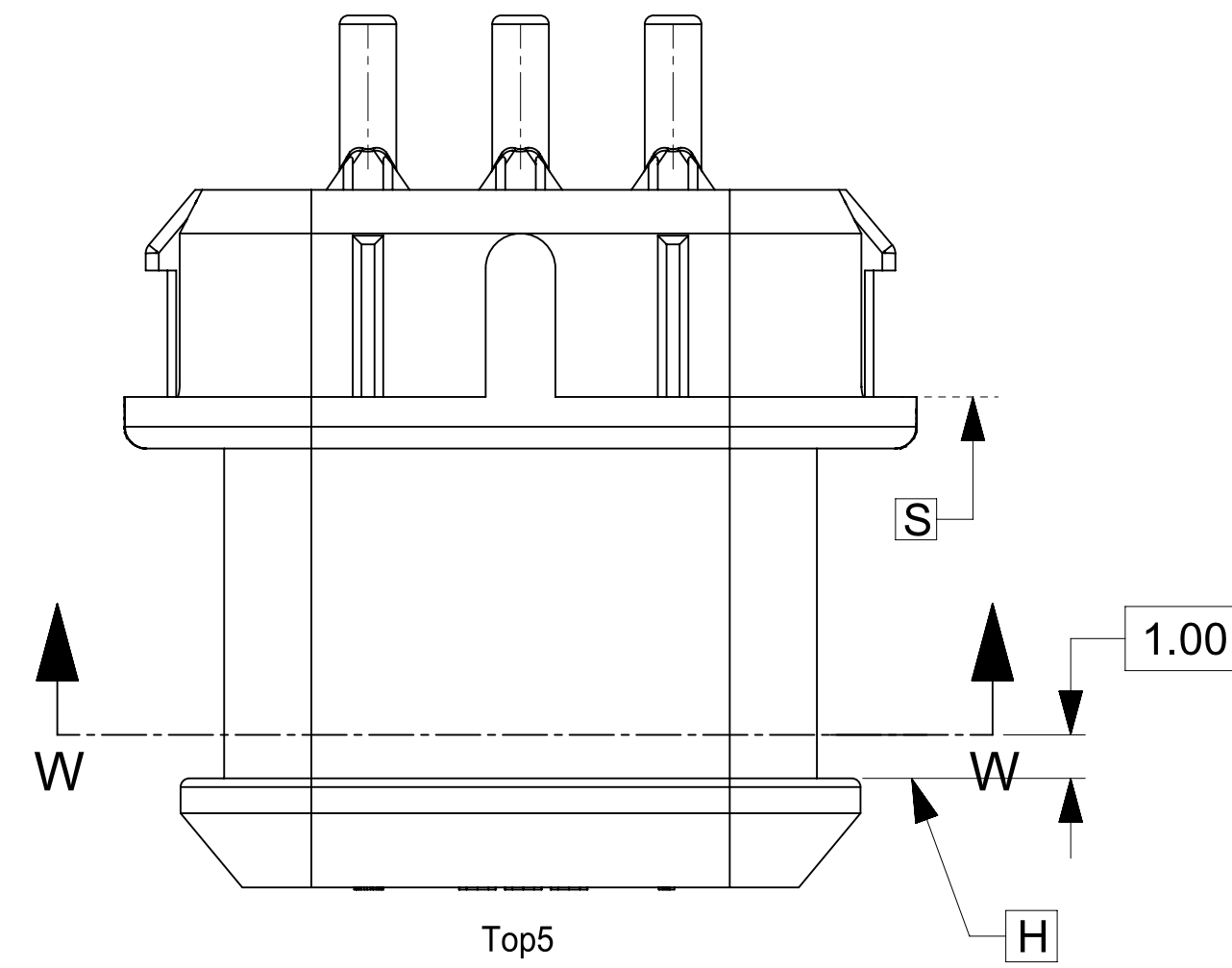
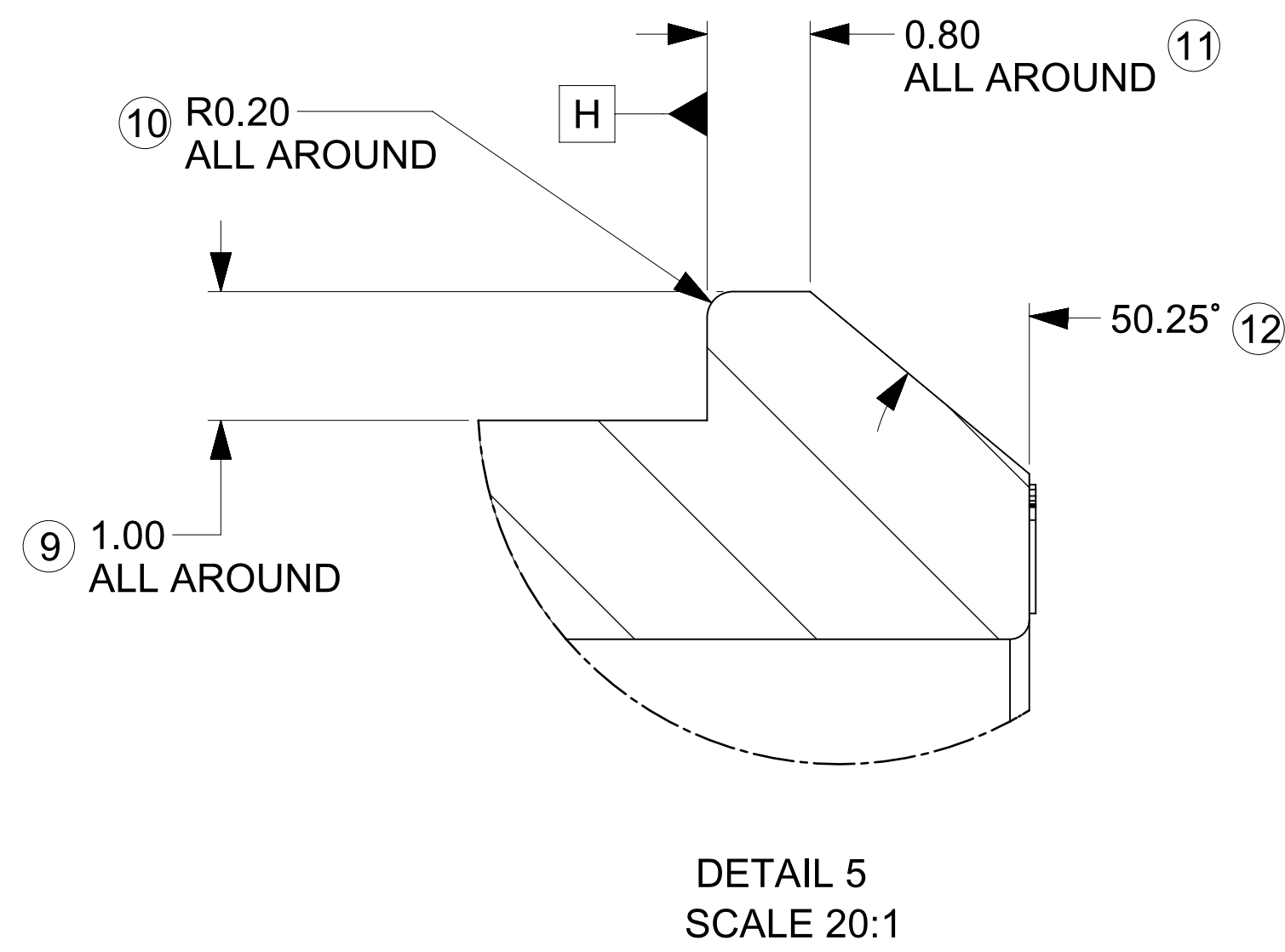
PRODUCT CUSTOMER DRAWING

10

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516676				molex							
MM		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 3°															
4 PLACES		±													
3 PLACES		±		STATUS: Production DRWN: Ravindra Reddy MS CHK'D: Ganesh Rao B APPR: Gurunandan GA				MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL							
2 PLACES		± 0.100													
1 PLACE		± 0.30													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN CHANGING															THIRD ANGLE PROJECTION
				D-SIZE		33481		SFF TABLE		GENERAL MARKET		6 OF 7			

7	6	5	4	3	2	1
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RUBBER BOOT INTERFACE



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)												
ANGULAR TOL ± 3°												
4 PLACES	±											
3 PLACES	±											
2 PLACES ± 0.100		STATUS: Production		DRWN: Ravindra Reddy MS 2026-04-21		CHK'D: Ganesh Rao B 2026-05-06		APPR: Gurunandan GA 2026-05-06		PRODUCT CUSTOMER DRAWING		
1 PLACE ± 0.30	0 PLACES ±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIRD ANGLE PROJECTION		DRAWING D-SIZE
			