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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:

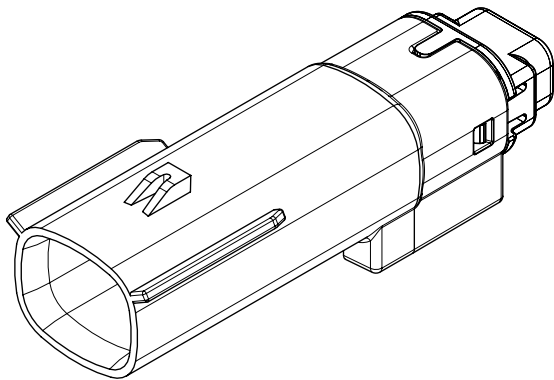
- a. FOR BILL OF MATERIALS SEE:
- STANDARD CONFIGURATION: TBD
 - UL V0 CONFIGURATION: SD-160106-0002

3. DESIGN - GEOMETRY:

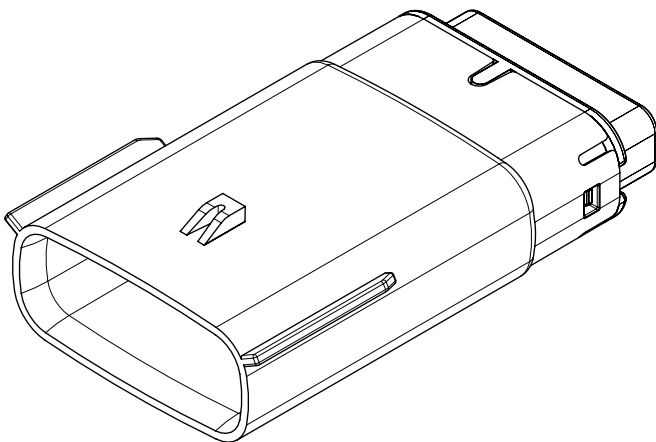
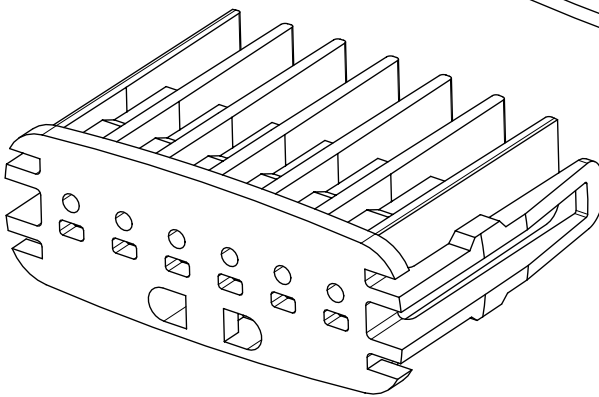
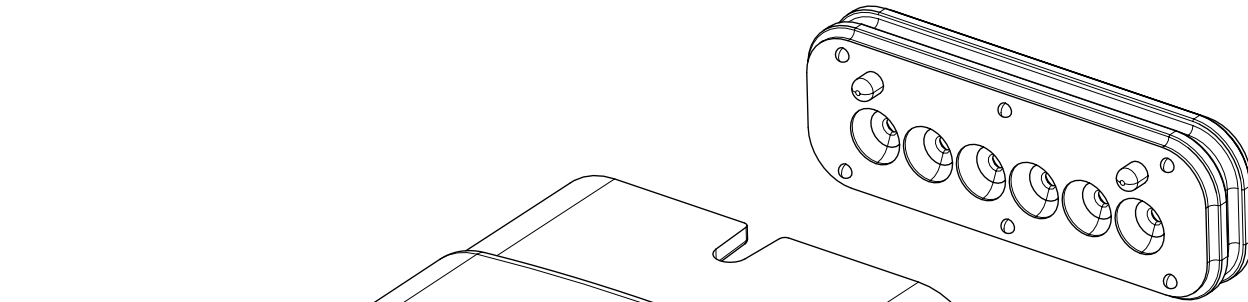
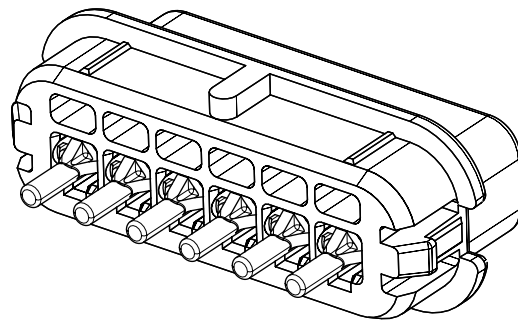
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED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

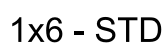
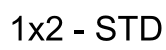
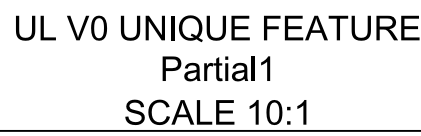


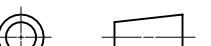
1X6

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:

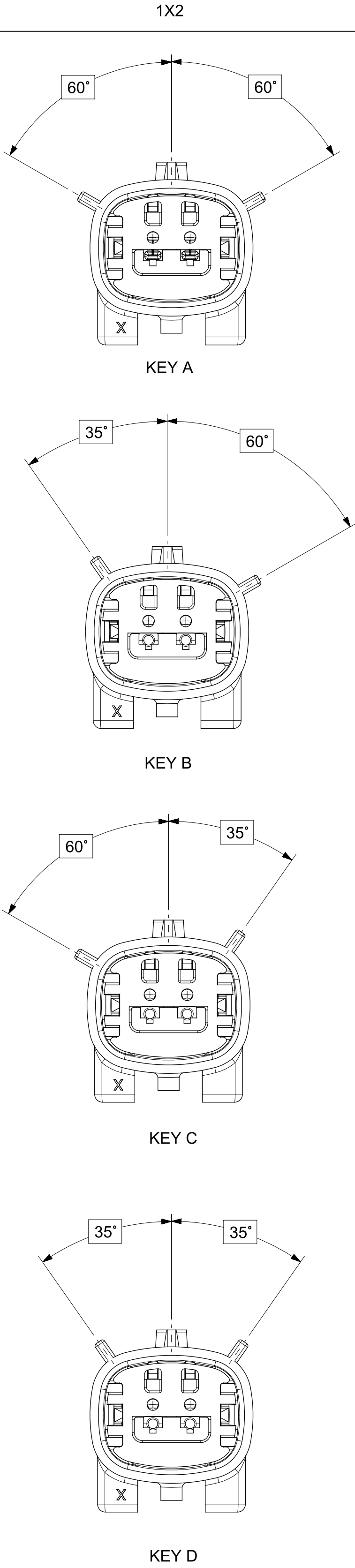
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 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: CO-000012501 DRWN: Yann Chen 02-Sep-2022 CHK'D: Matt Young 08-May-2024 APPR: Elvis Song 10-May-2024 INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14					molex MX150 BLADE SINGLE ROW SEALED ASSY PRODUCT SALES DRAWING													
	MM ONLY		1.5:1																				
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DOCUMENT NUMBER SD-33481-0001 DOC TYPE PSD DOC PART 001 REVISION A2																			
	ANGULAR TOL ± 0.5 °																						
 = 0	4 PLACES		± 0												SHEET NUMBER 1 OF 9								
	3 PLACES		± 0																				
 = 0	2 PLACES		± 0																				
	1 PLACE		± 0																				
 = 0	0 PLACES		± 0																				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																						
 = 0	THIRD ANGLE PROJECTION		DRAWING						SERIES	MATERIAL NUMBER		CUSTOMER											
			A1-SIZE						33481	SEE NOTE 2a.		GENERAL MARKET											



SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0		DIMENSION UNITS SCALE		CURRENT REV DESC:				molex MX150 BLADE SINGLE ROW SEALED ASSY PRODUCT SALES DRAWING					
MM ONLY 1.5:1		GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 0.5 ° 4 PLACES ± 0 3 PLACES ± 0 2 PLACES ± 0 1 PLACE ± 0 0 PLACES ± 0				EC NO: CO-000012501 DRWN: Yann Chen 02-Sep-2022 CHK'D: Matt Young 08-May-2024 APPR: Elvis Song 10-May-2024							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14				DOCUMENT NUMBER SD-33481-0001						DOC TYPE PSD	DOC PART 001
		THIRD ANGLE PROJECTION 		DRAWING A1-SIZE	SERIES 33481	MATERIAL NUMBER SEE NOTE 2a.	CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 9				

SHEET DESCRIPTION

KEY CONFIGURATIONS

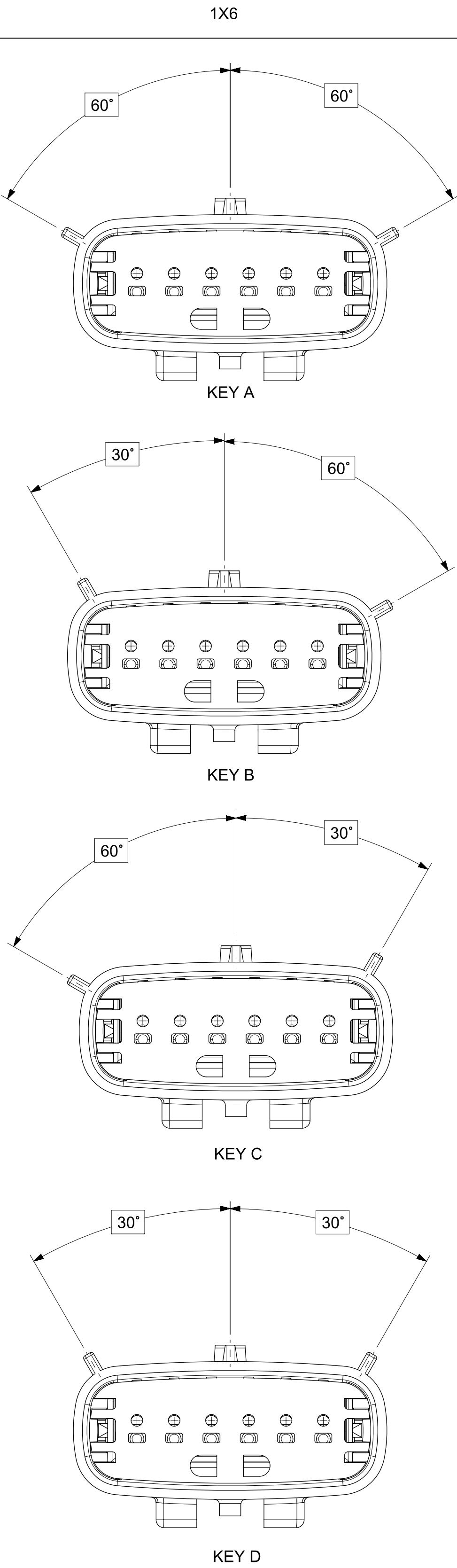


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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	MM ONLY		3:1													
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 = 0																
 = 0	ANGULAR TOL ± 0.5 °				DRWN: Yann Chen 02-Sep-2022					PRODUCT SALES DRAWING						
 = 0	4 PLACES ± 0				CHK'D: Matt Young 08-May-2024											
 = 0	3 PLACES ± 0				APPR: Elvis Song 10-May-2024											
 = 0	2 PLACES ± 0				INITIAL REVISION:					DOCUMENT NUMBER SD-33481-0001						
 = 0	1 PLACE ± 0				DRWN: APROFFITT 2015/07/21									DOC TYPE PSD		DOC PART 001
 = 0	0 PLACES ± 0				APPR: KDEKOSKI 2016/06/14					MATERIAL NUMBER SEE NOTE 2a		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 9		
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A1-SIZE		SERIES 33481							

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

KEY CONFIGURATIONS CONT.



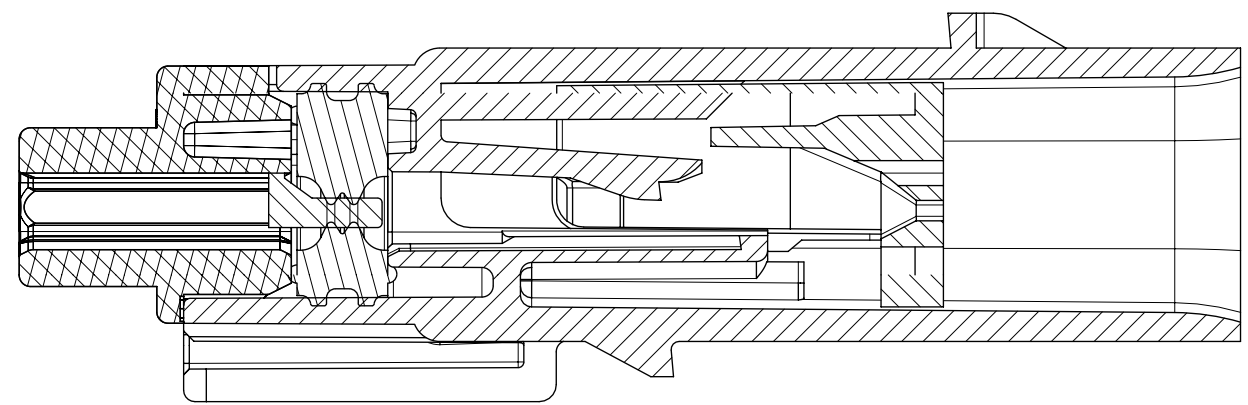
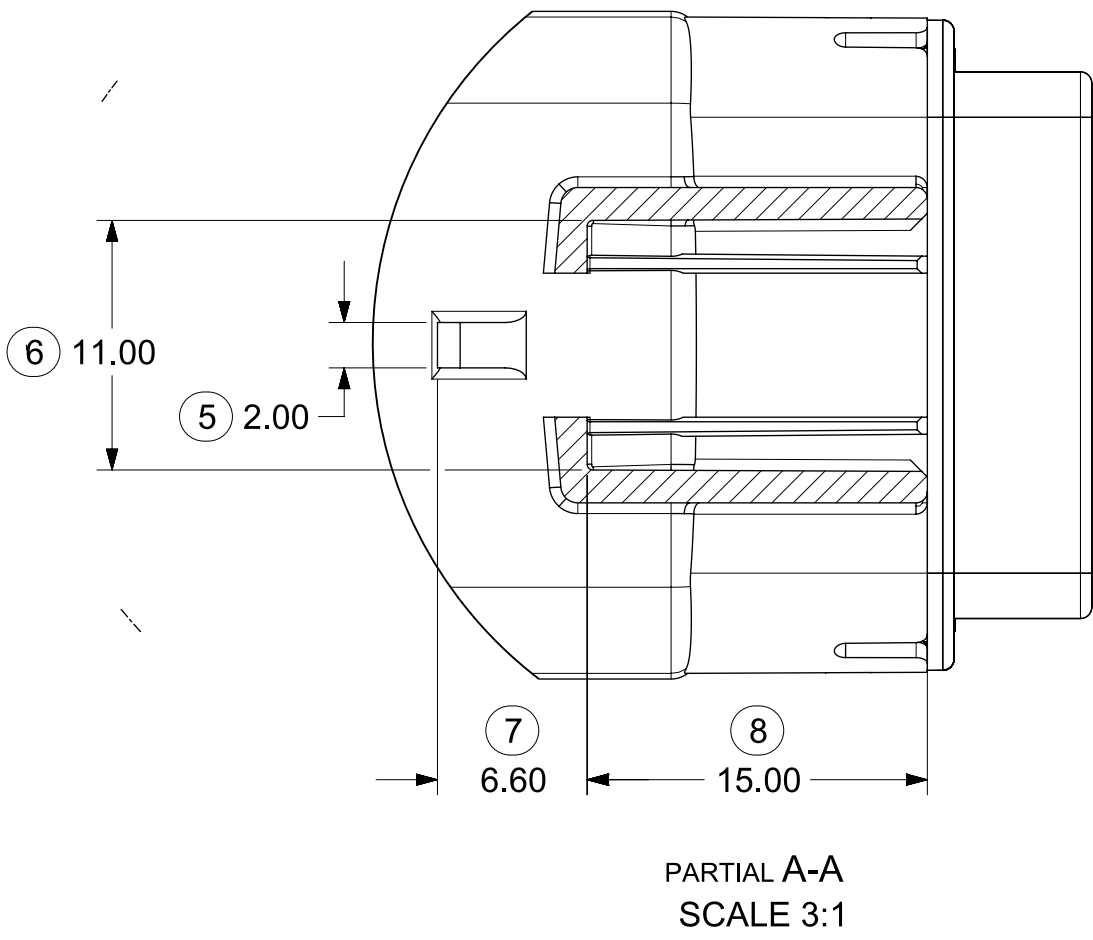
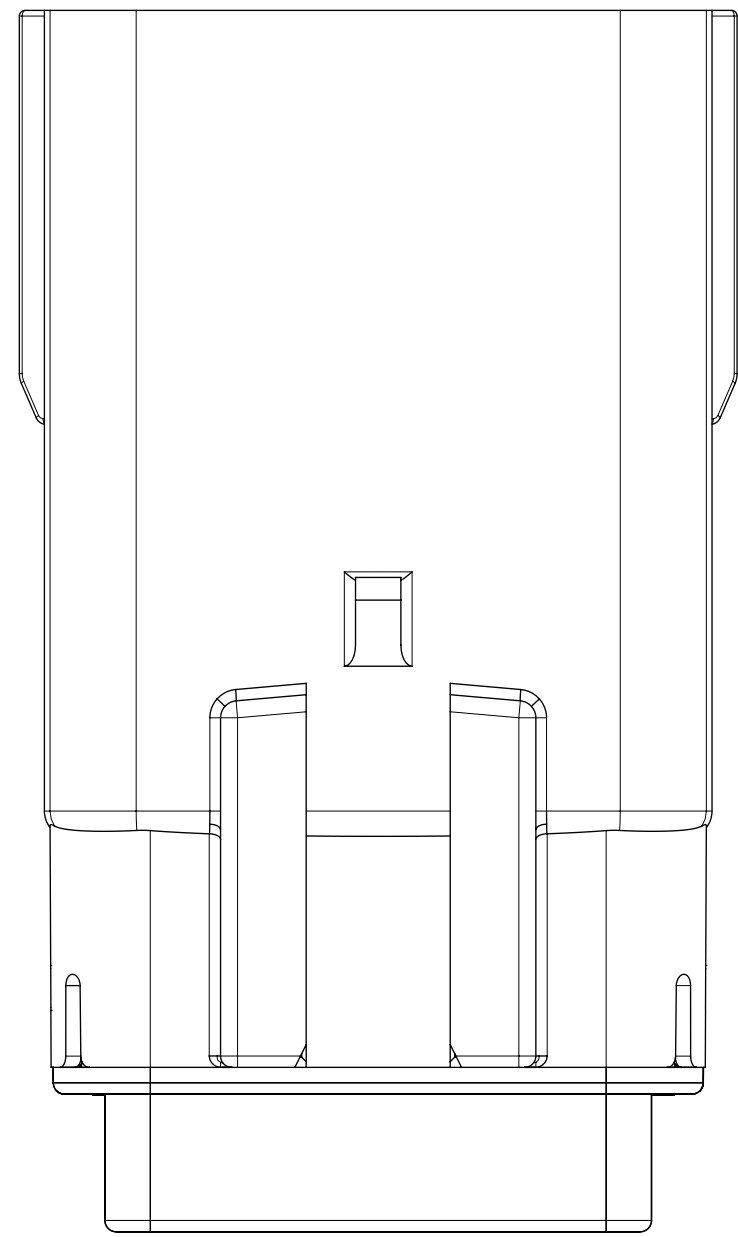
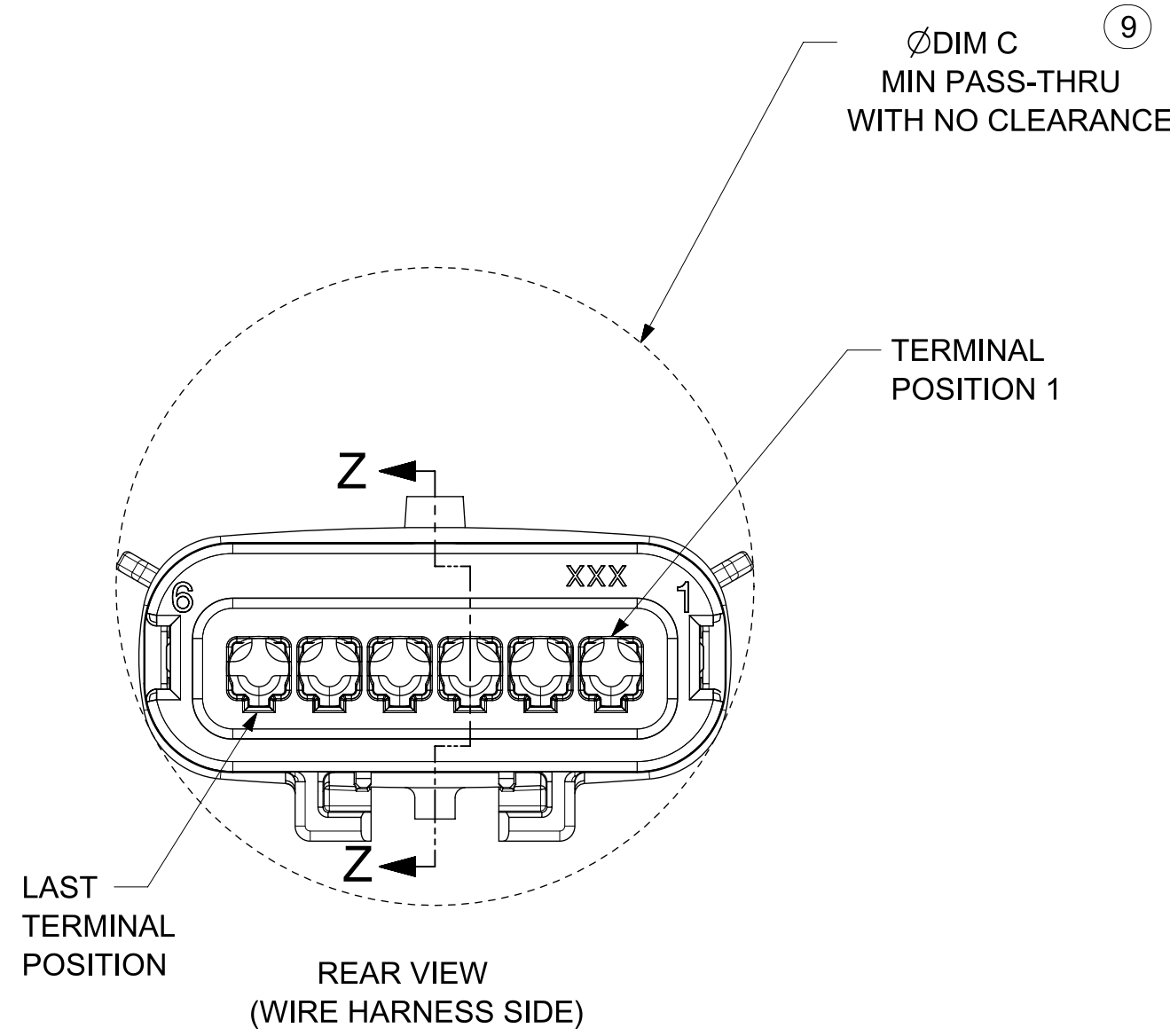
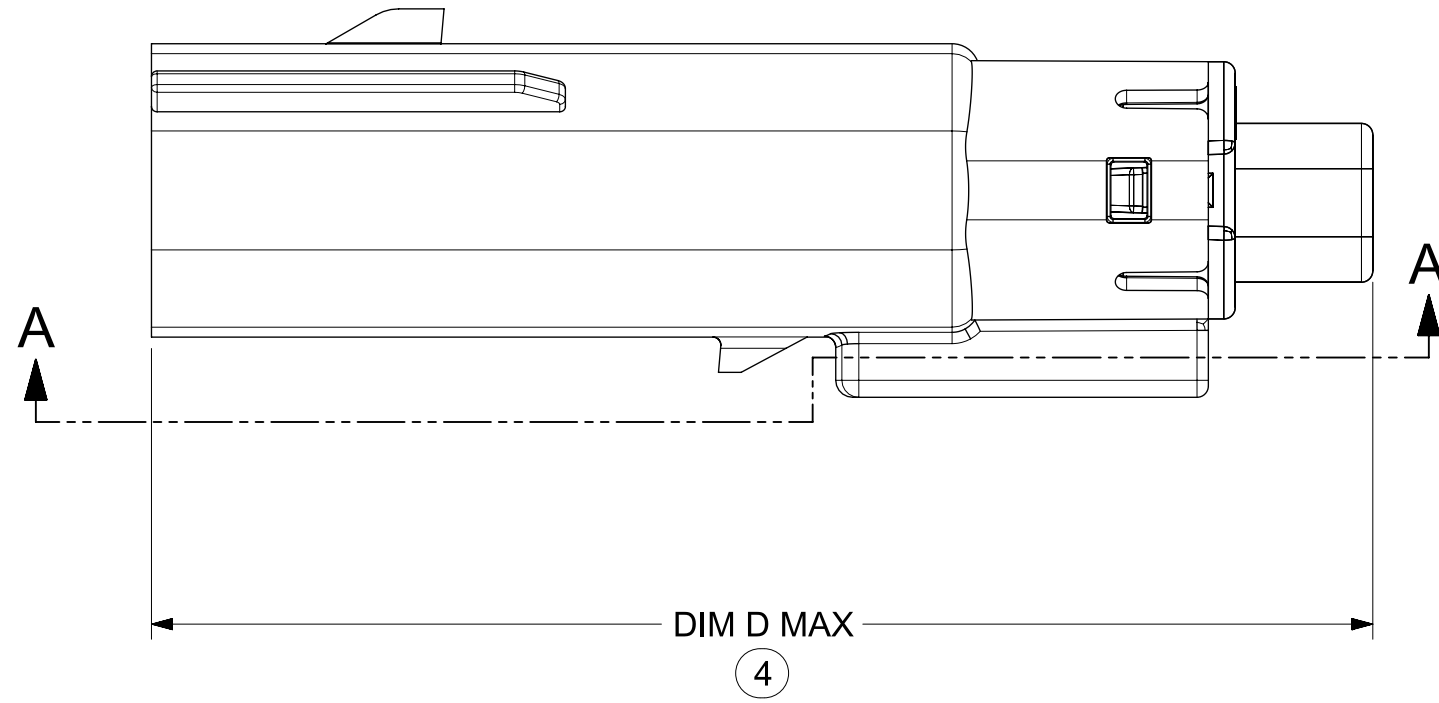
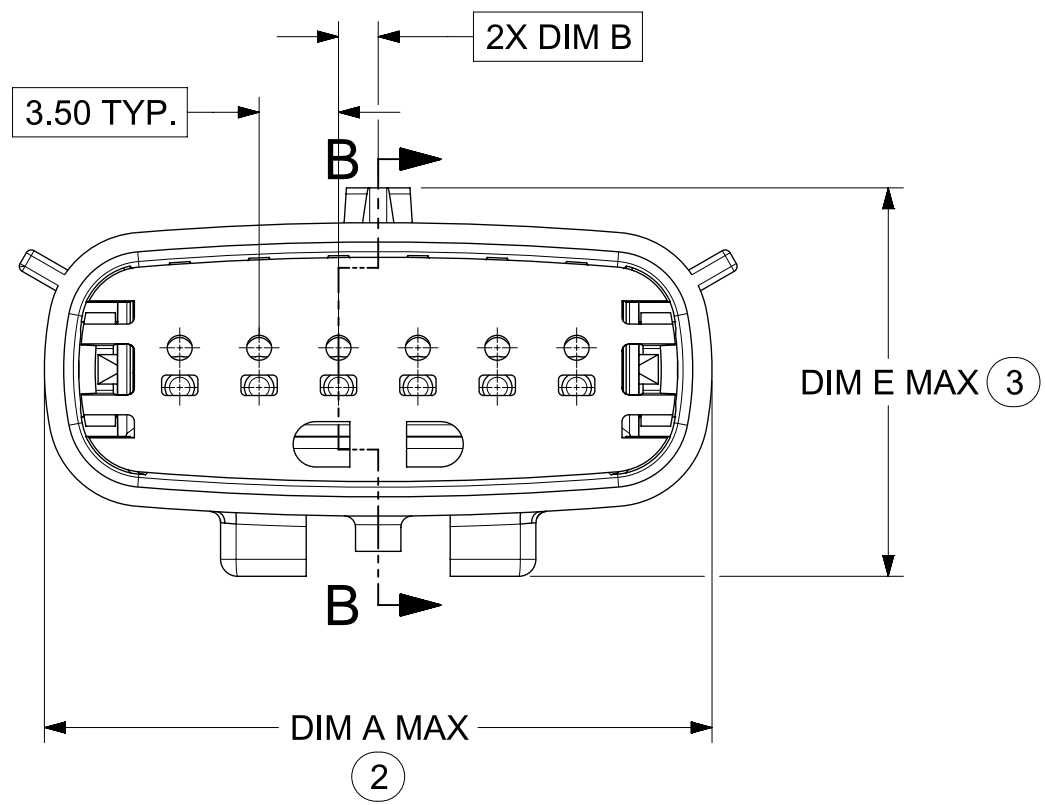
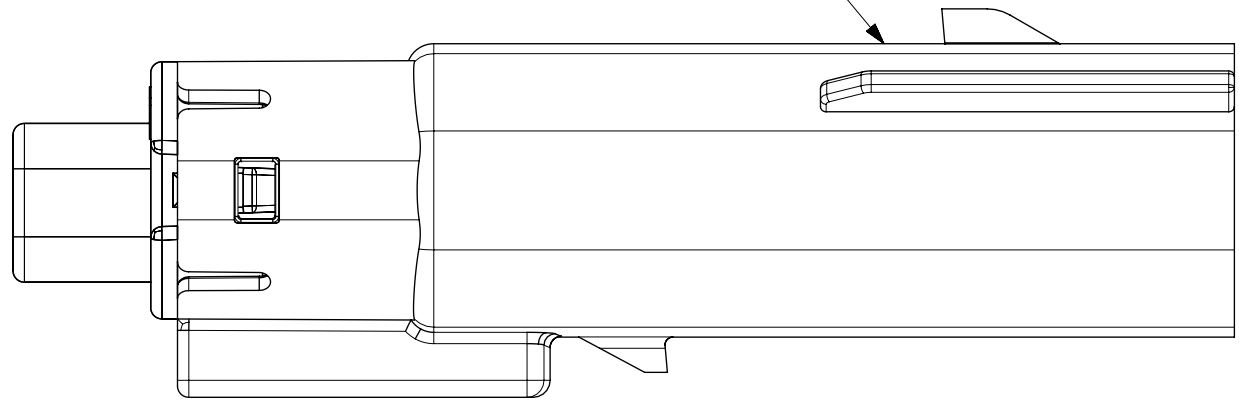
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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	= 0	MM ONLY		3:1		EC NO: CO-000012501 DRWN: Yann Chen 02-Sep-2022 CHK'D: Matt Young 08-May-2024 APPR: Elvis Song 10-May-2024 INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14					MX150 BLADE SINGLE ROW SEALED ASSY						
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	= 0	ANGULAR TOL ± 0.5 °									PRODUCT SALES DRAWING						
	= 0	4 PLACES ± 0															
	= 0	3 PLACES ± 0															
	= 0	2 PLACES ± 0				DOCUMENT NUMBER SD-33481-0001					DOC TYPE PSD	DOC PART 001	REVISION A2				
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	= 0	0 PLACES ± 0				THIRD ANGLE PROJECTION					DRAWING A1-SIZE	SERIES 33481		MATERIAL NUMBER SEE NOTE 2a.		CUSTOMER GENERAL MARKET	SHEET NUMBER 4 OF 9
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SHEET DESCRIPTION

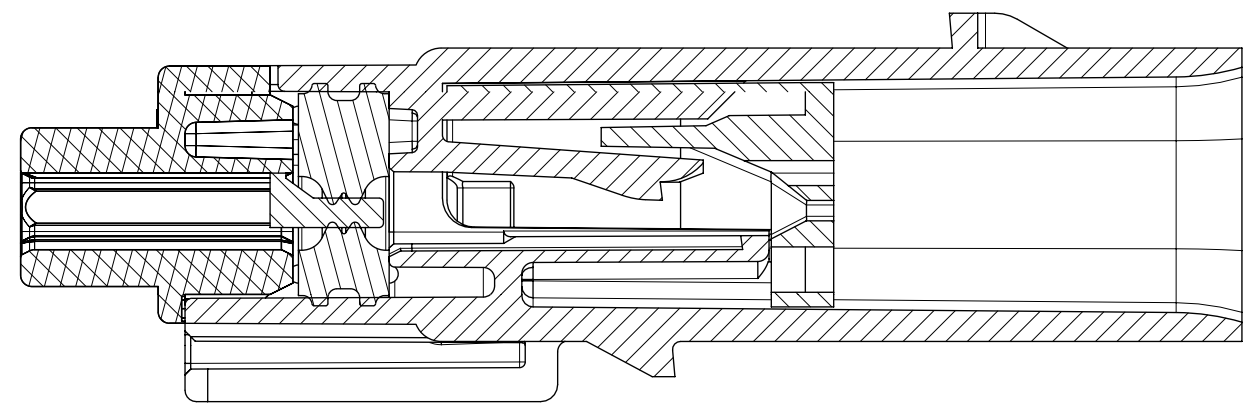
BLADE SEALED ASSEMBLY

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

OPTIONAL LASER MARKING ON THIS SURFACE SEE NOTE 3g.



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



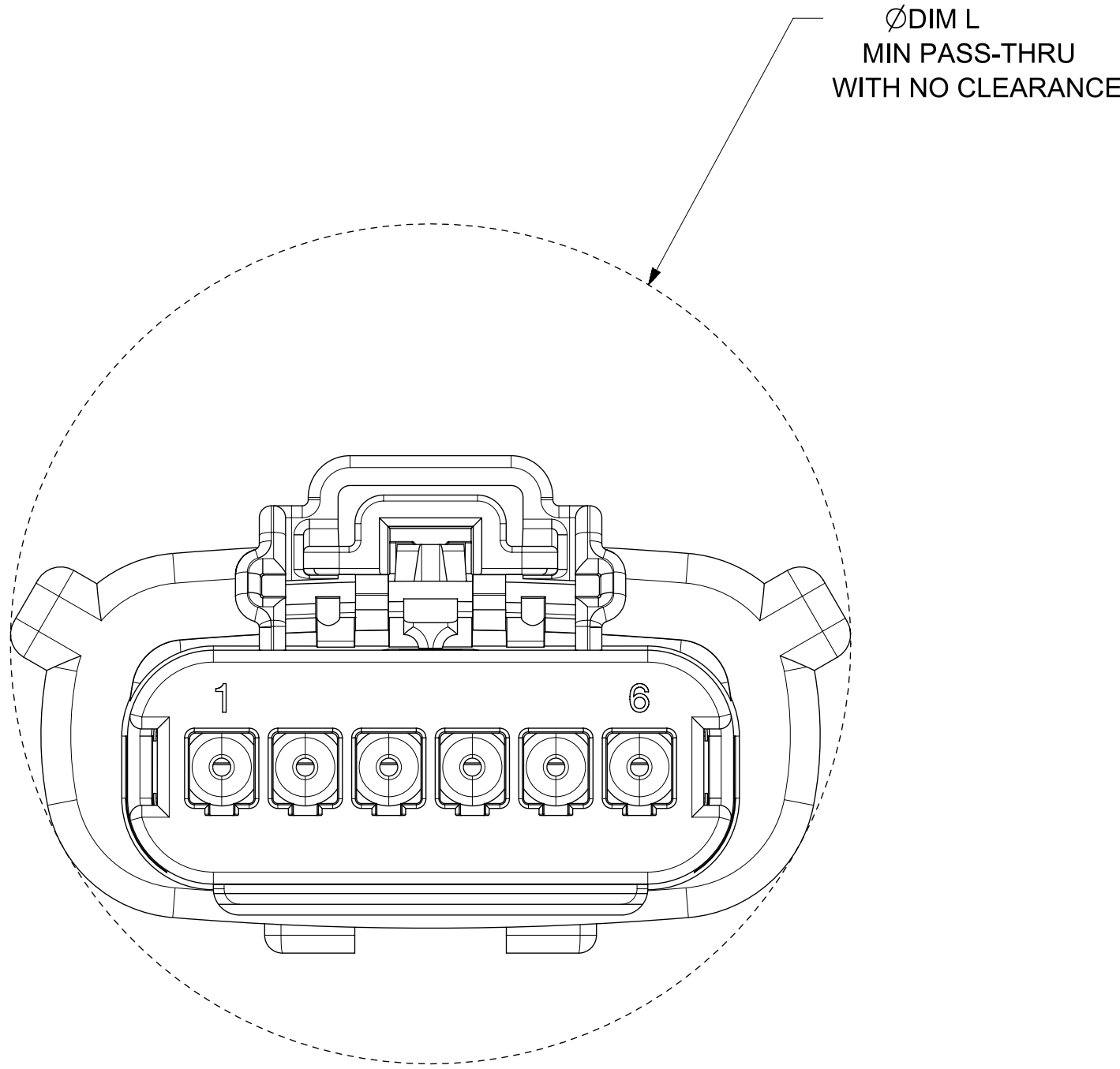
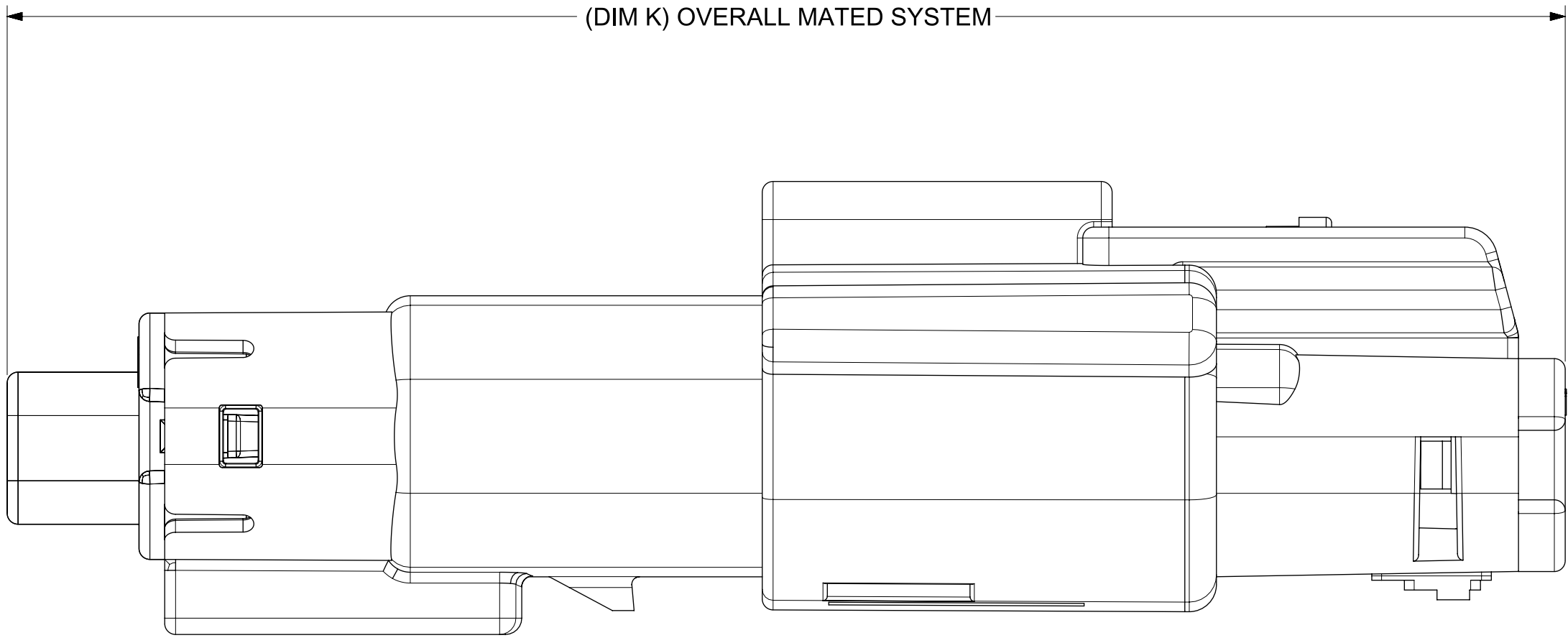
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION
SECTION Z-Z

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		
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		MM ONLY	3:1																
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	= 0																		
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	= 0	4 PLACES ± 0																	
	= 0	3 PLACES ± 0				CHK'D: Matt Young 08-May-2024				APPR: Elvis Song 10-May-2024									
	= 0	2 PLACES ± 0																	
	= 0	1 PLACE ± 0				INITIAL REVISION:				DOCUMENT NUMBER SD-33481-0001				DOC TYPE PSD		DOC PART 001		REVISION A2	
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	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER SEE NOTE 2a.		CUSTOMER GENERAL MARKET		SHEET NUMBER 5 OF 9	
	= 0									A1-SIZE		33481							

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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	MM ONLY		4:1													
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									PRODUCT SALES DRAWING						
	ANGULAR TOL ± 0.5 °															
 = 0	4 PLACES		± 0							DOCUMENT NUMBER					DOC TYPE	
	3 PLACES		± 0													
 = 0	2 PLACES		± 0		SD-33481-0001					PSD		001		A2		
	1 PLACE		± 0													
 = 0	0 PLACES		± 0		SEE NOTE 2a.					CUSTOMER		GENERAL MARKET		SHEET NUMBER		
 = 0	DRAFT WHERE APPLICABLE				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	MUST REMAIN WITHIN DIMENSIONS						A1-SIZE		33481							
 = 0															6 OF 9	

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

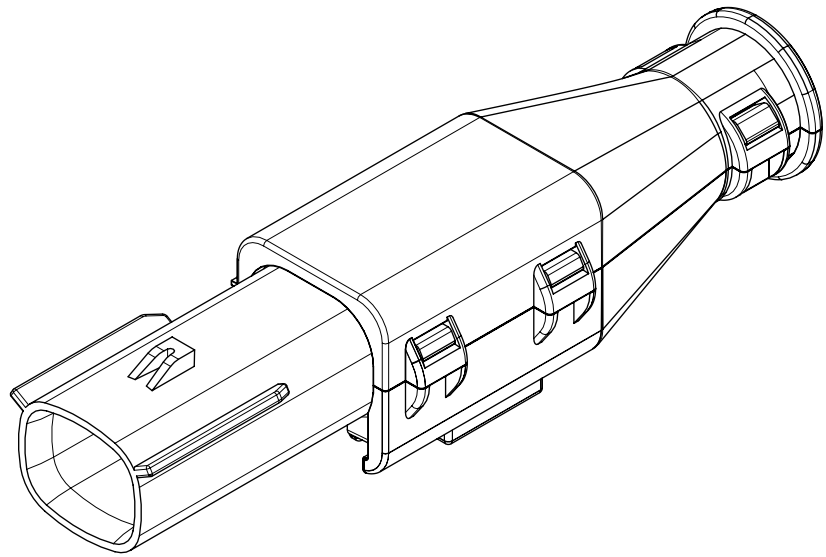
BACKSHELL NOTES

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.

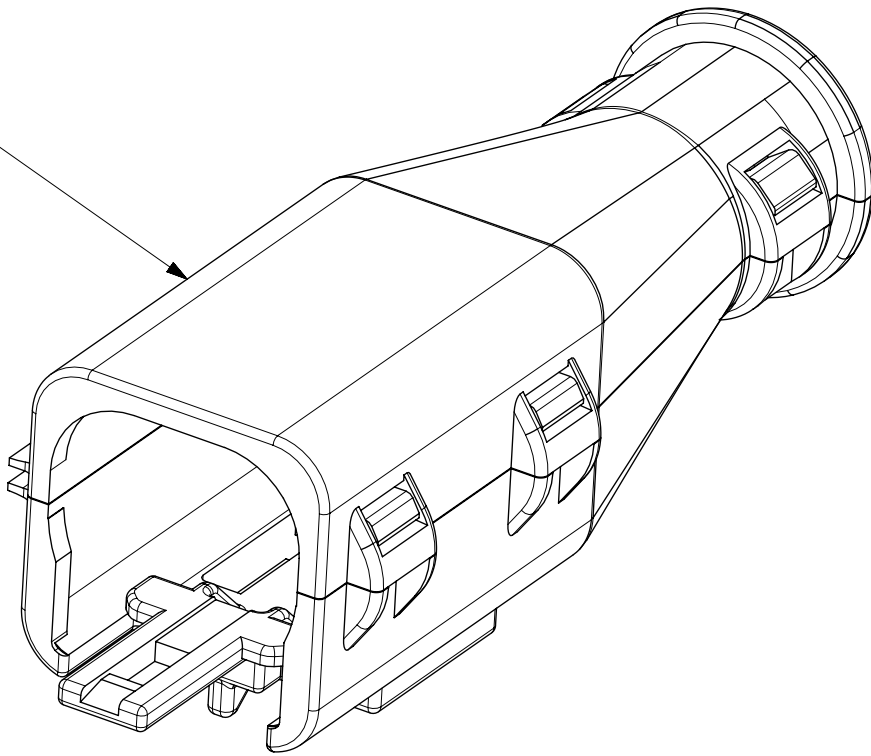
BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

- 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

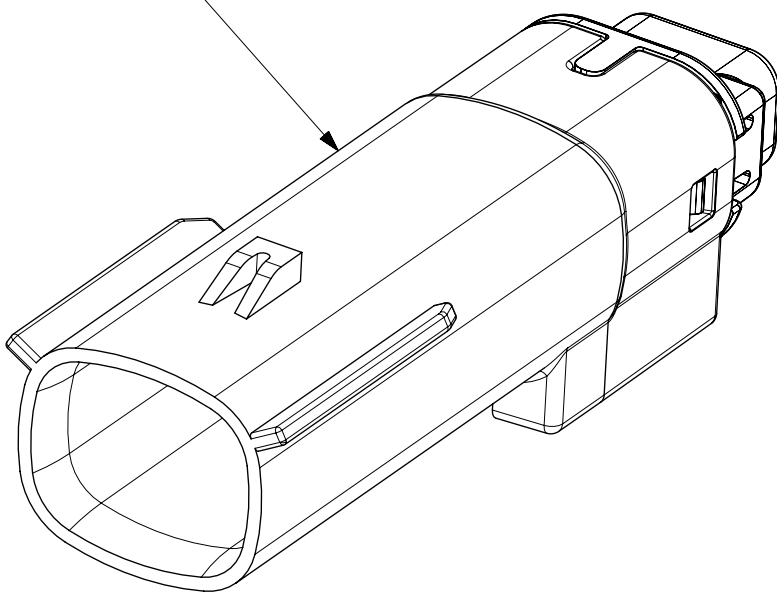


1X2

BACKSHELL (BKS)

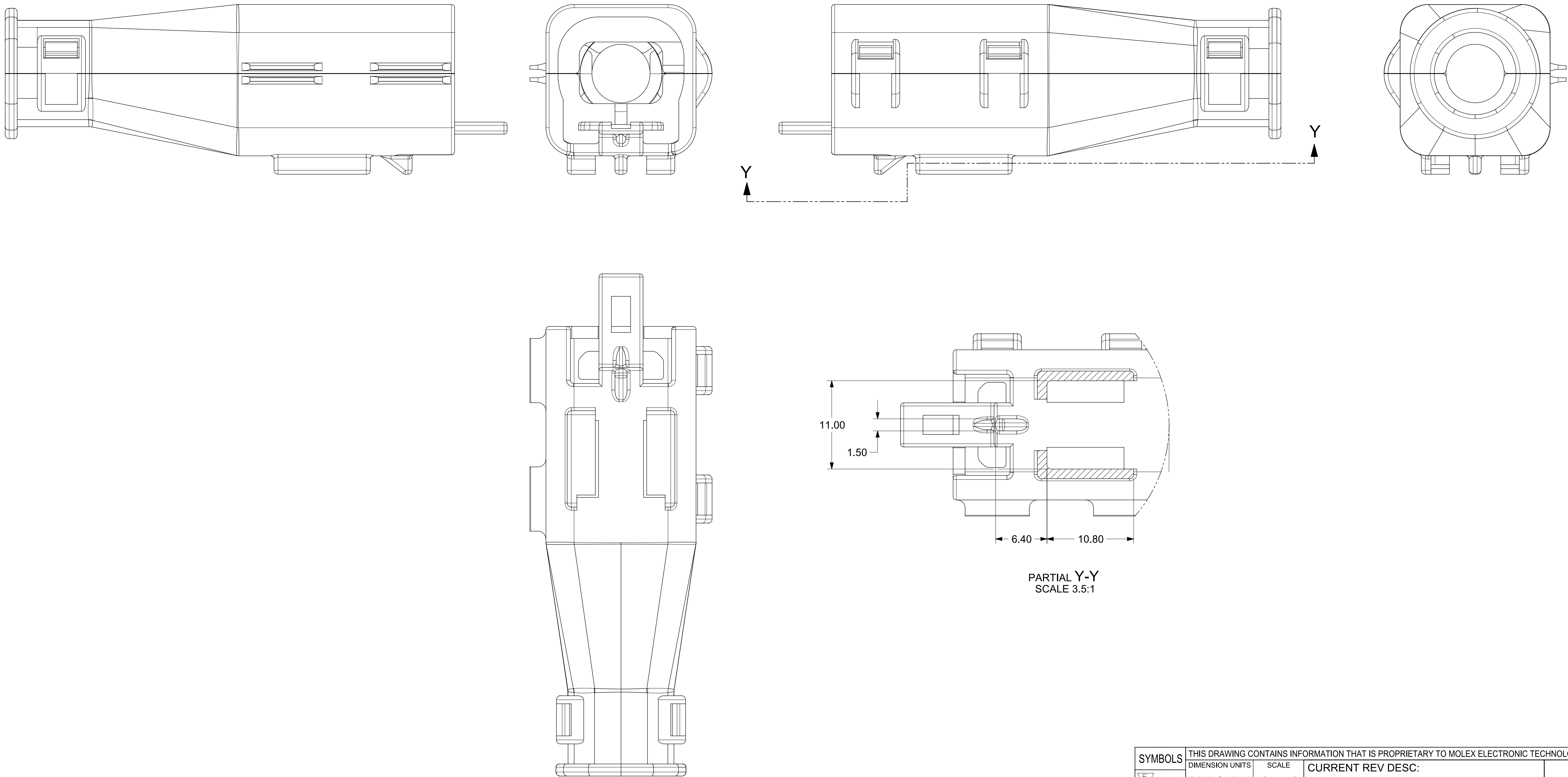


BLADE SEALED ASSEMBLY



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex							
		MM ONLY	4:1														
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	= 0																
	= 0	ANGULAR TOL		± 0.5 °		DRWN: Yann Chen 02-Sep-2022				CHK'D: Matt Young 08-May-2024							
	= 0	4 PLACES		± 0										APPR: Elvis Song 10-May-2024			
	= 0	3 PLACES		± 0		INITIAL REVISION:				PRODUCT SALES DRAWING							
	= 0	2 PLACES		± 0										DOCUMENT NUMBER			
	= 0	1 PLACE		± 0		SD-33481-0001				PSD		001					
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	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER					
	= 0							A1-SIZE		33481		SEE NOTE 2a.		GENERAL MARKET		7 OF 9	

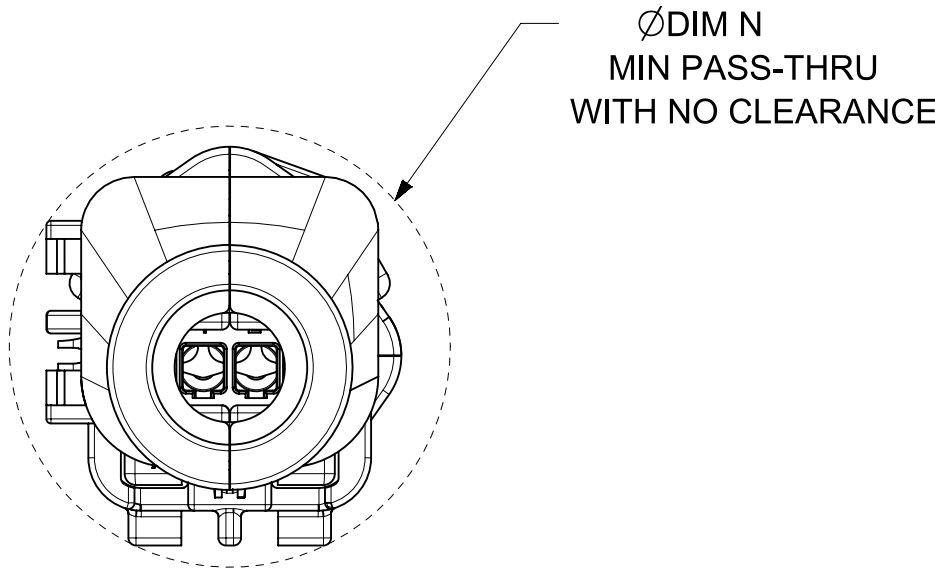
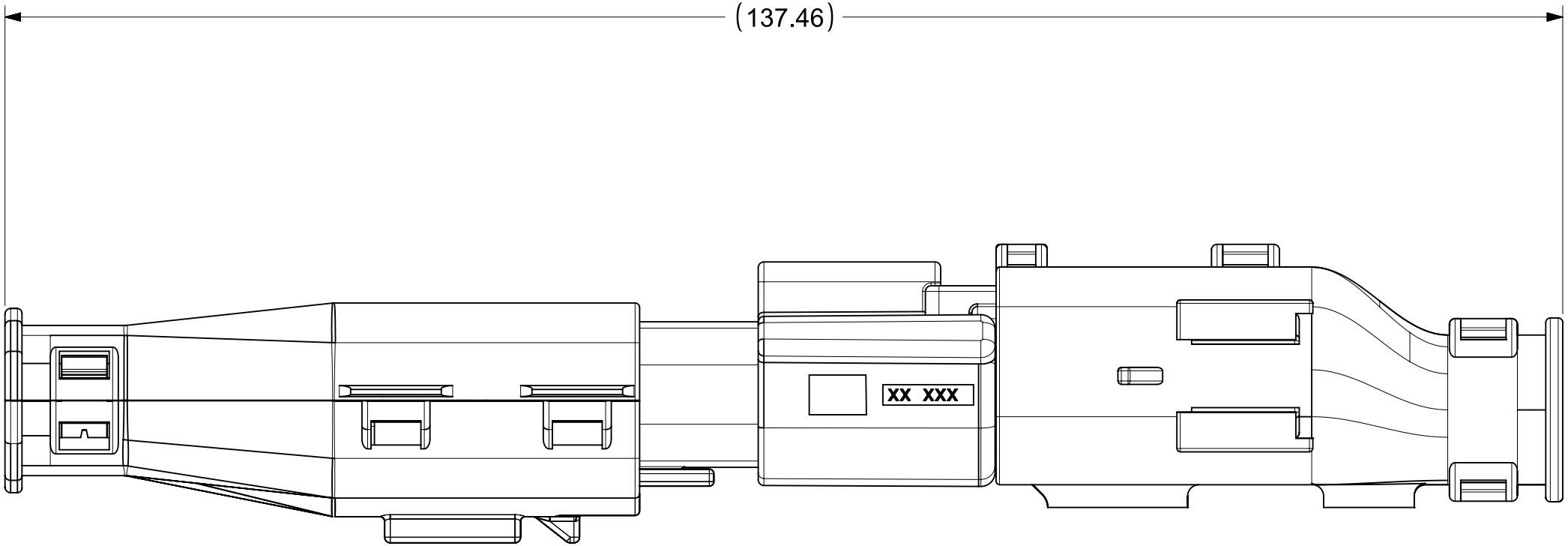
SHEET DESCRIPTION
BACKSHELL



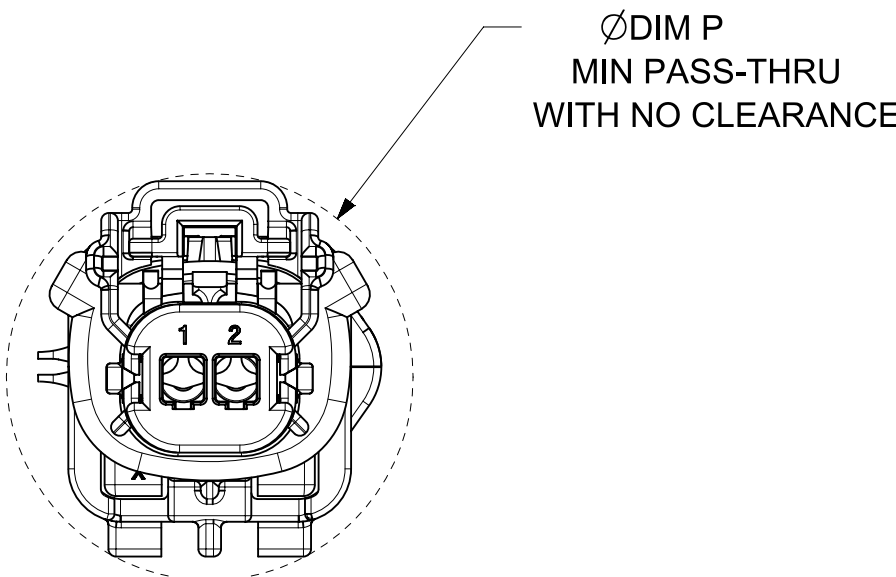
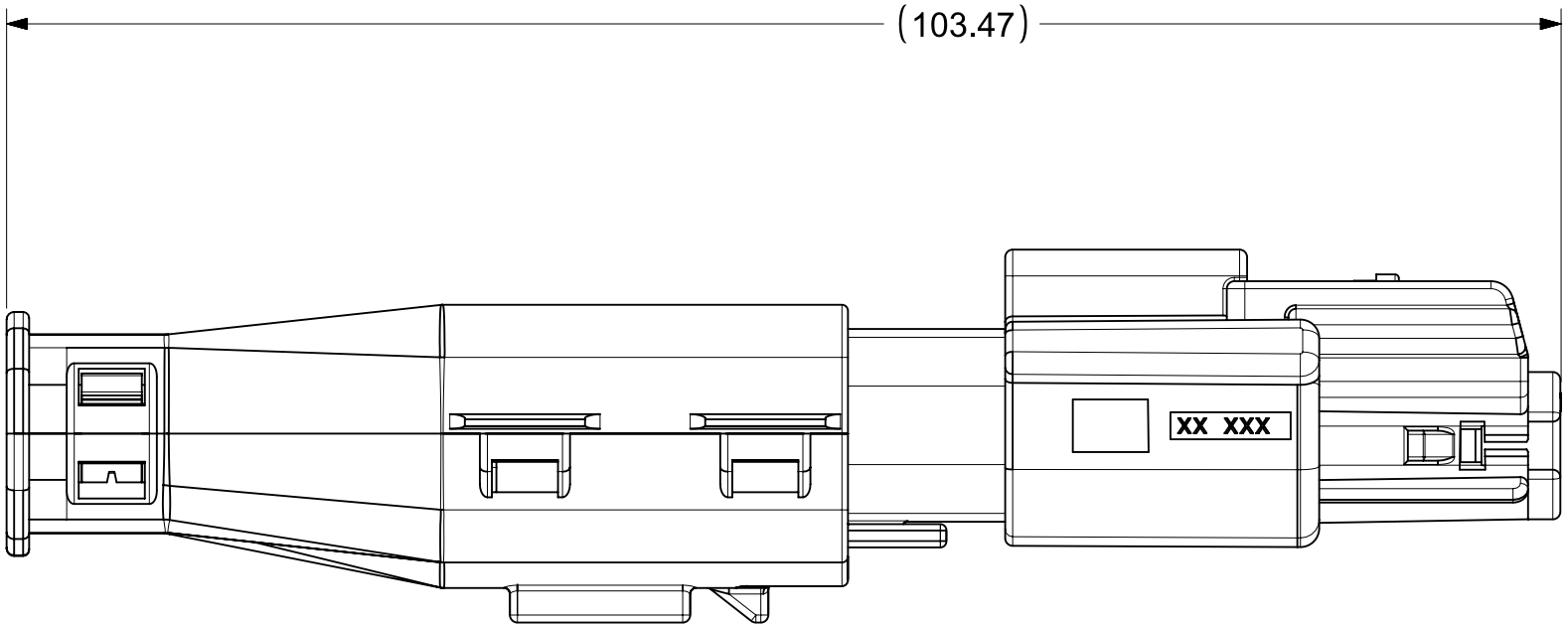
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
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	= 0	3 PLACES	± 0										
	= 0	2 PLACES	± 0	PRODUCT SALES DRAWING									
	= 0	1 PLACE	± 0										
	= 0	0 PLACES	± 0	DOCUMENT NUMBER							DOC TYPE	DOC PART	REVISION
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SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

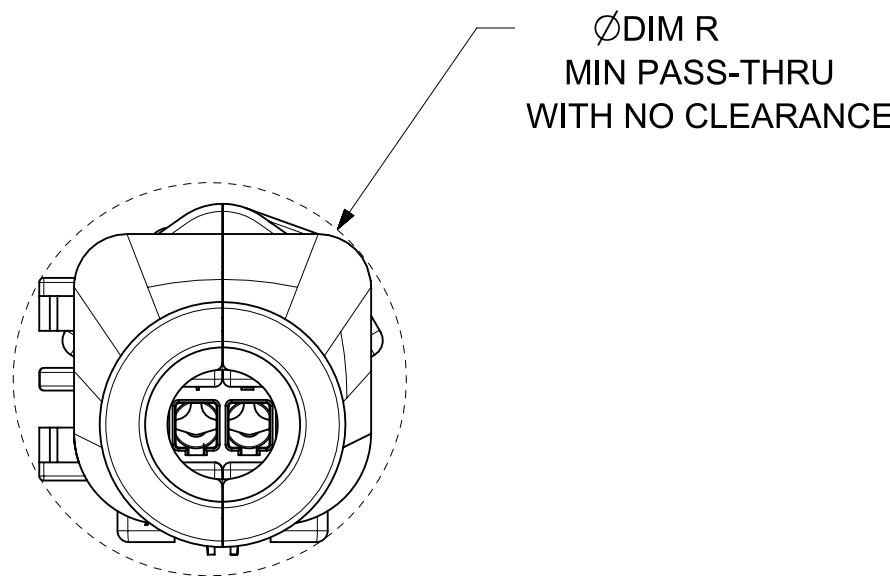
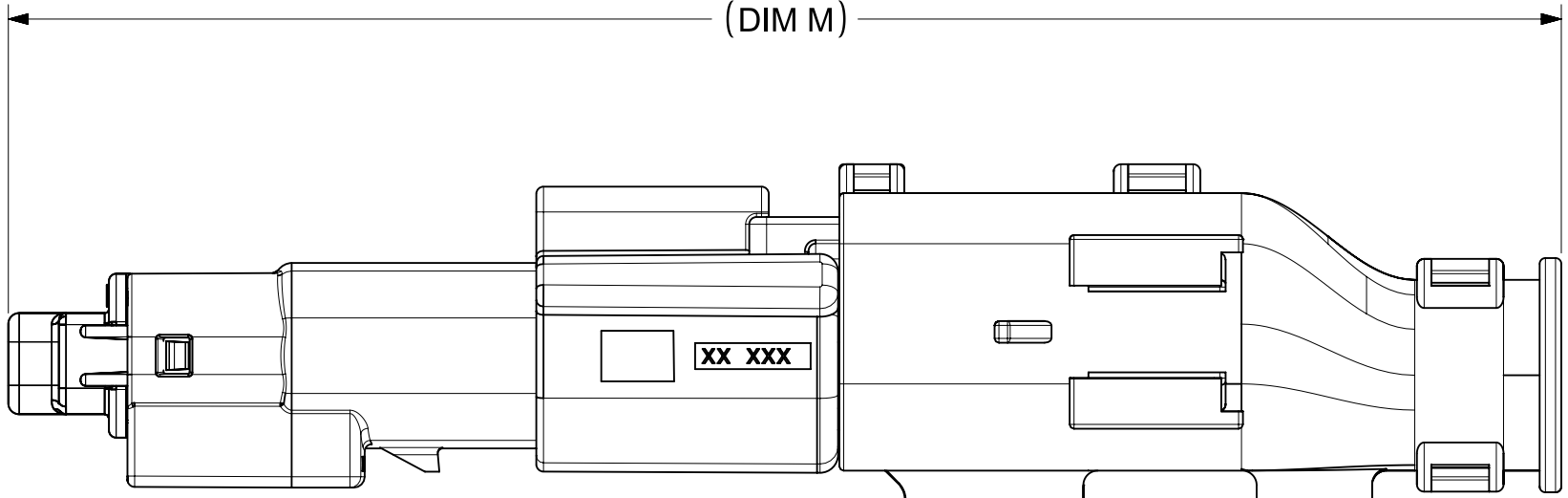
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



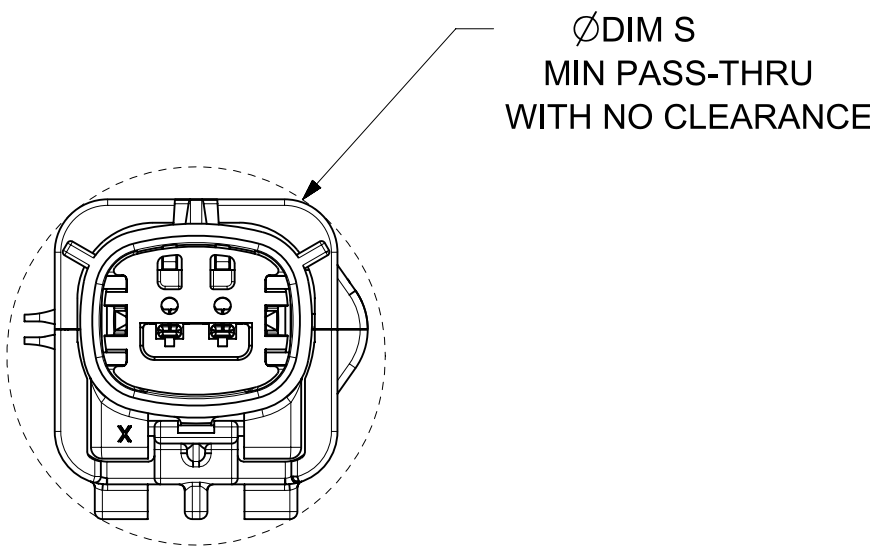
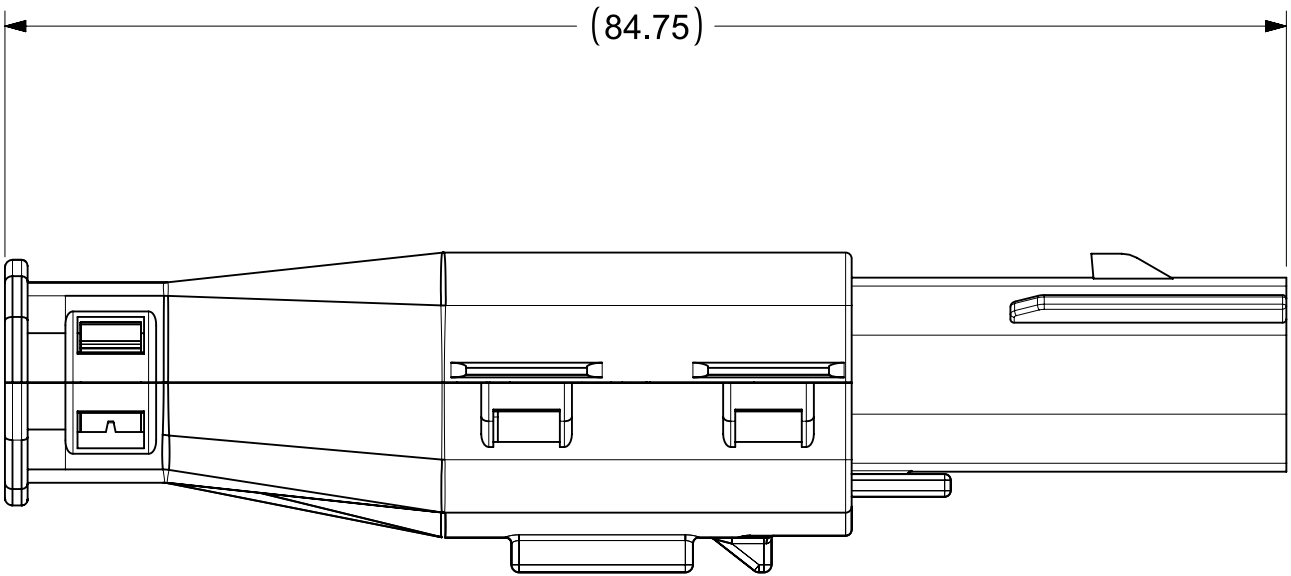
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

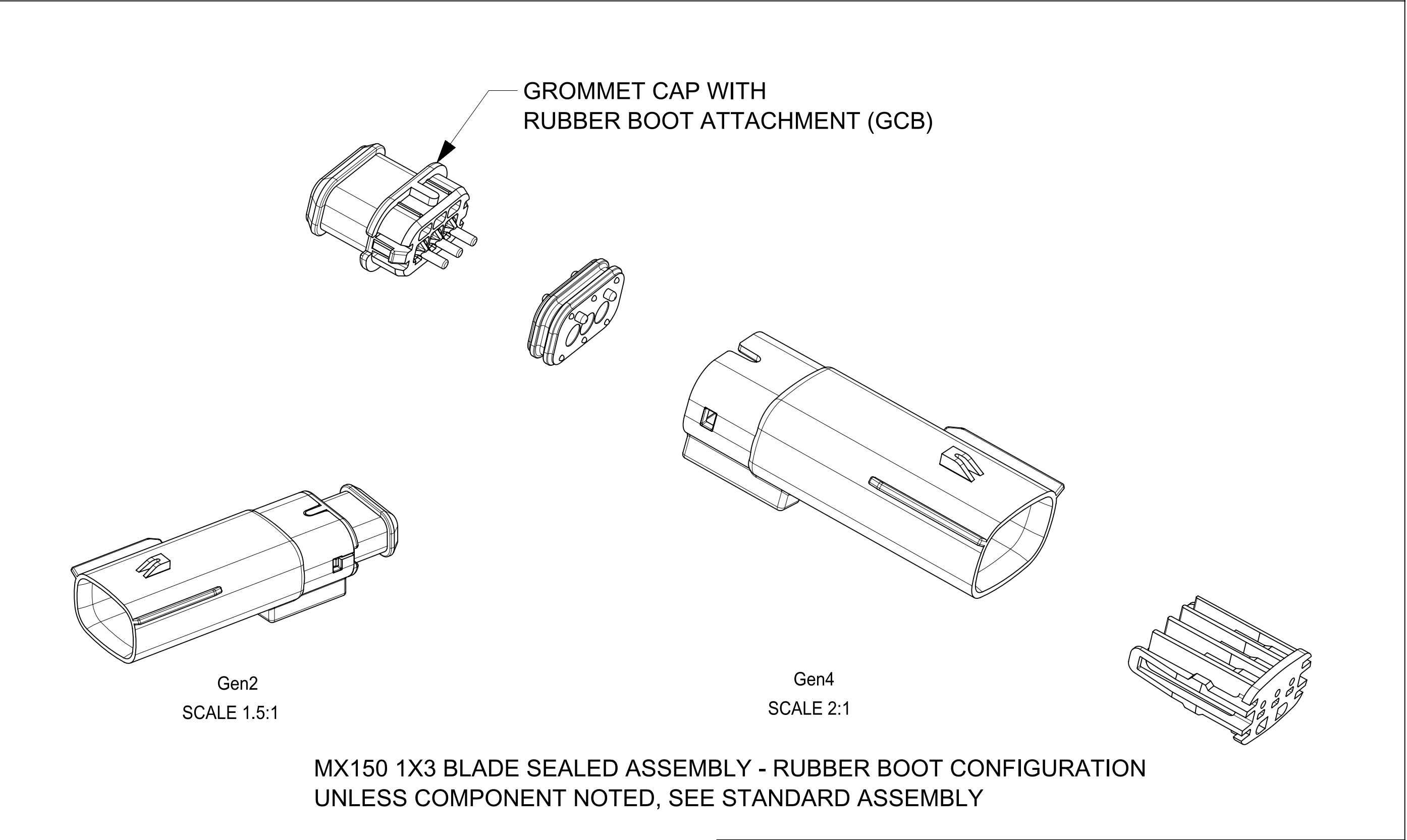
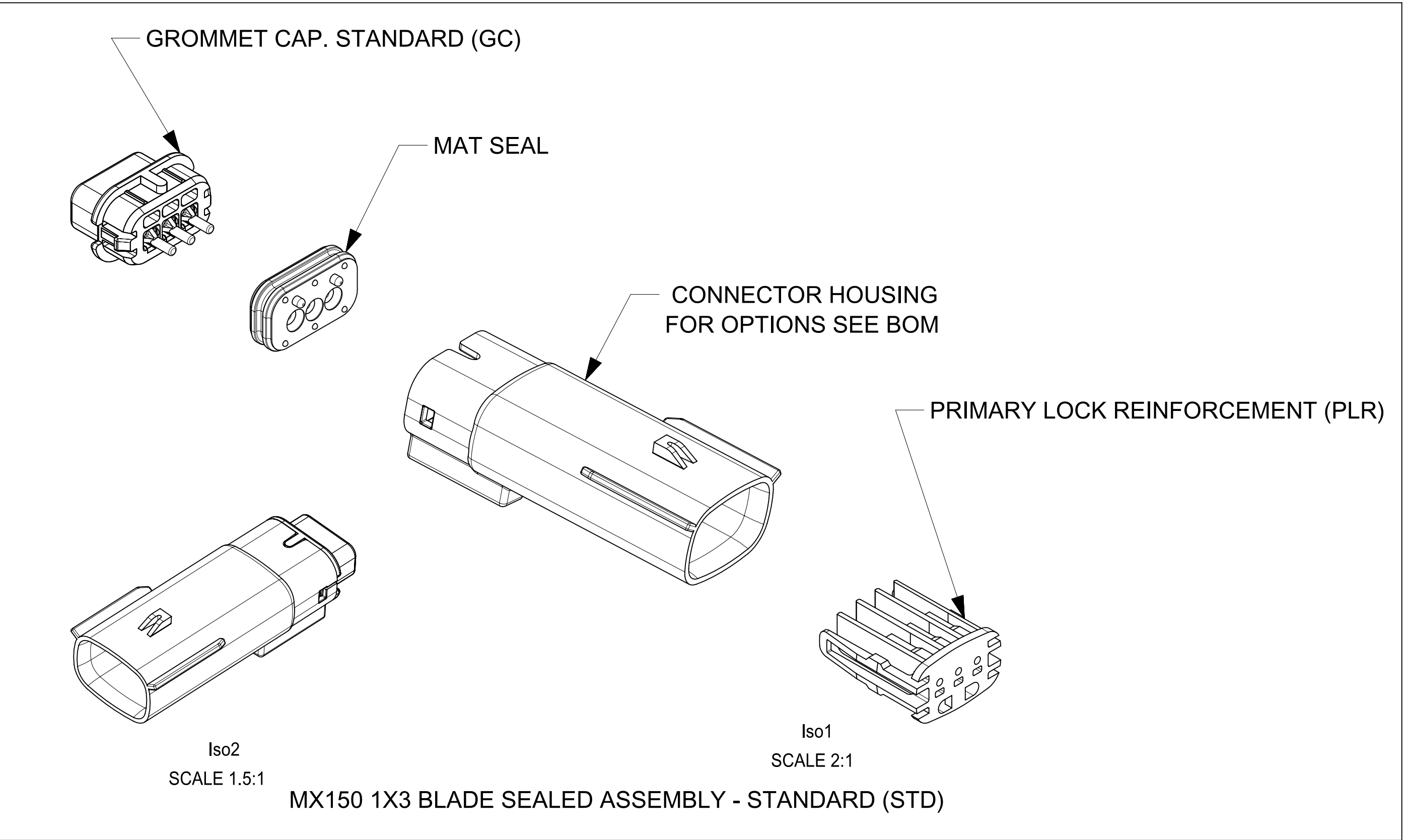


BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

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

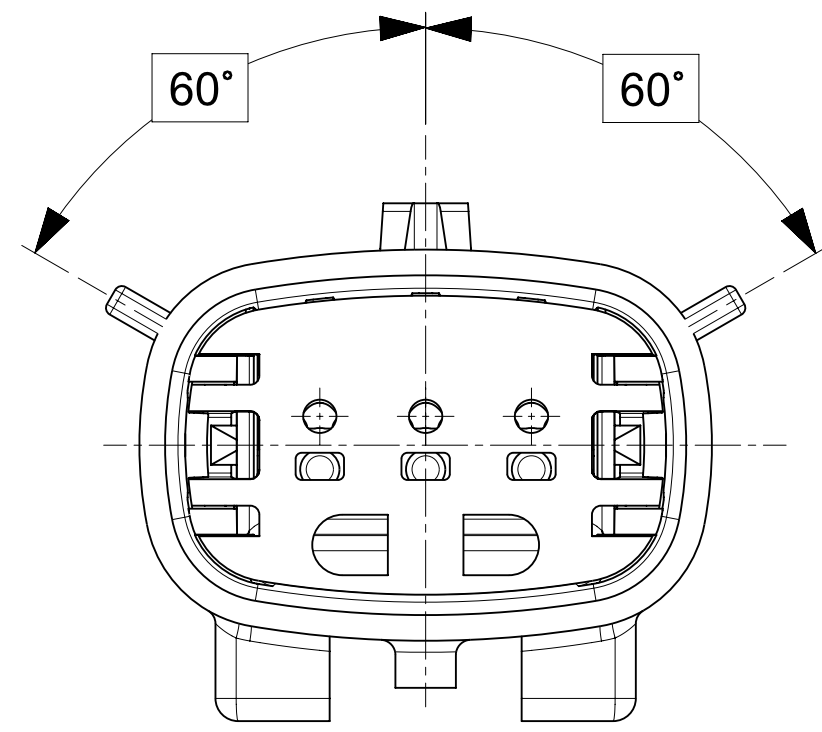
R9	REMOVED OBSOLETE PART NUMBER
R8	ADDED NEW PART NUMBER 33481-3326
R7	UPDATED DESIGN CHANGE- ADDED RELIEF SLOT
R6	OBSOLETE 'CUSTOM' COLOR P/NS
R5	ADDED STATUS COLUMN
R4	ADD P/NS 33481-3301 TO 33481-3341
R3	DEVIATED THE DIM 16
R2	RELEASED P/N 33481-0341
R1	RELEASED P/N 33481-0340, DELETED P/N 33481-0331
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

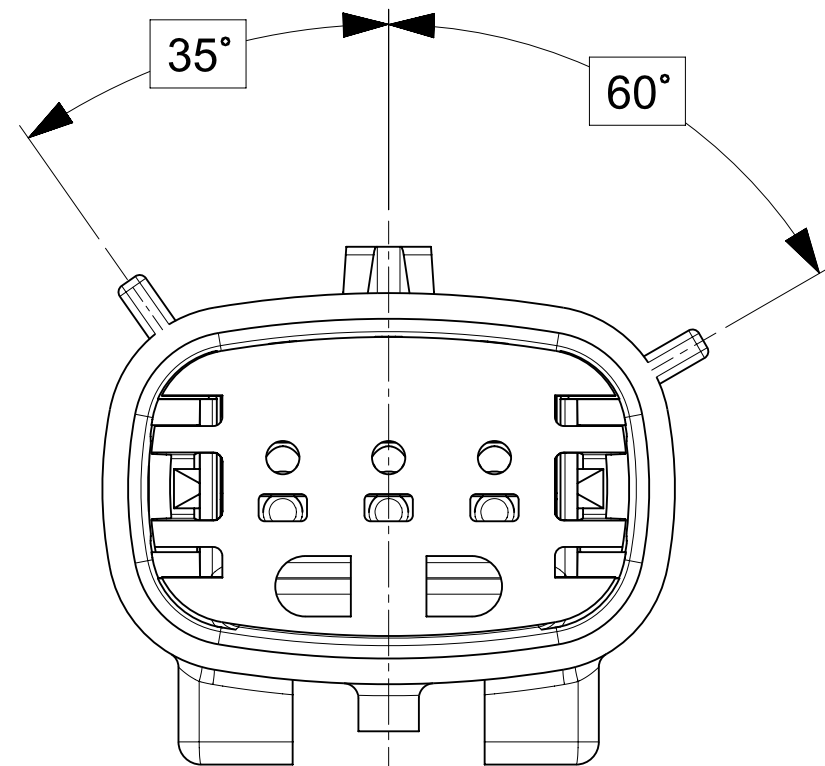
MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

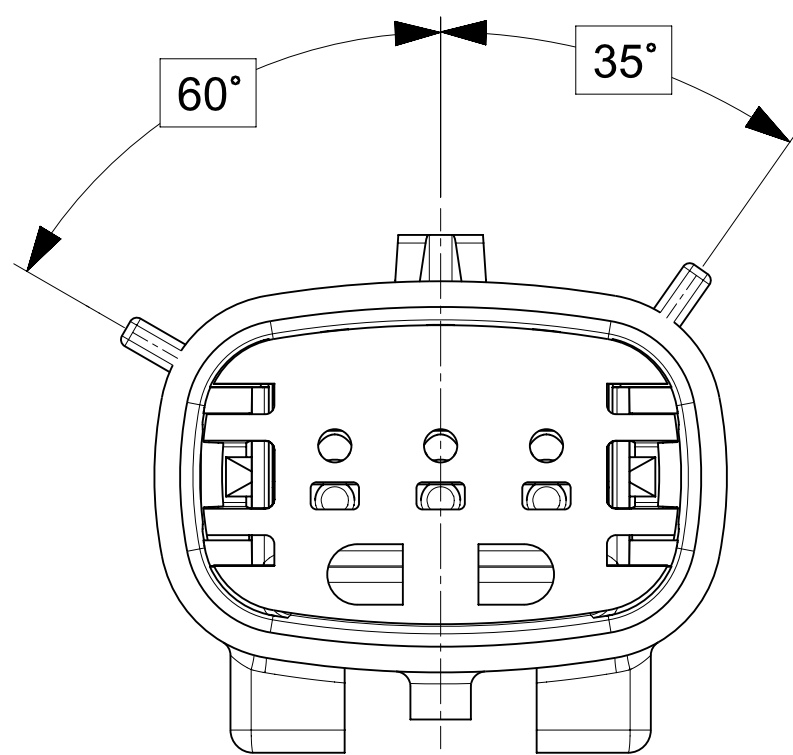
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-031	PSD	001	R9



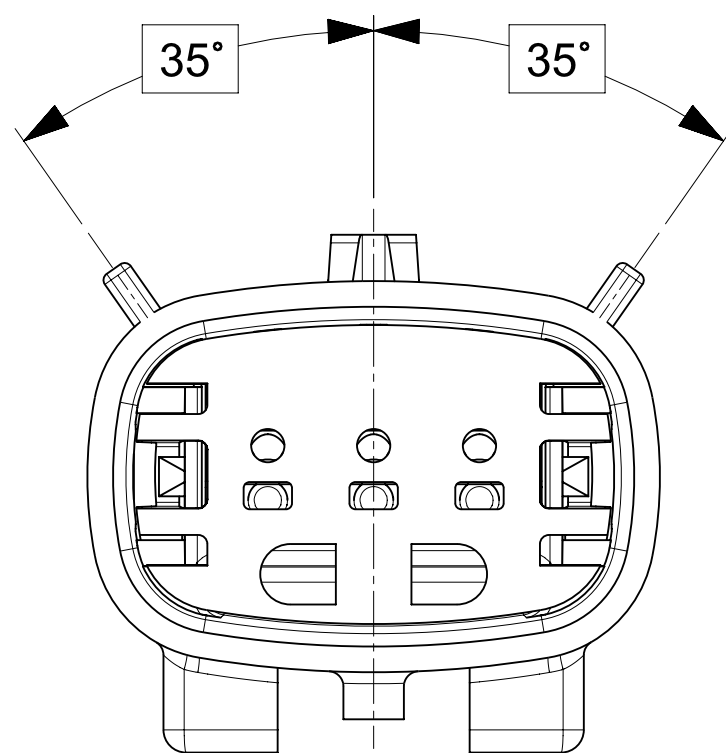
KEY A



KEY B



Front2

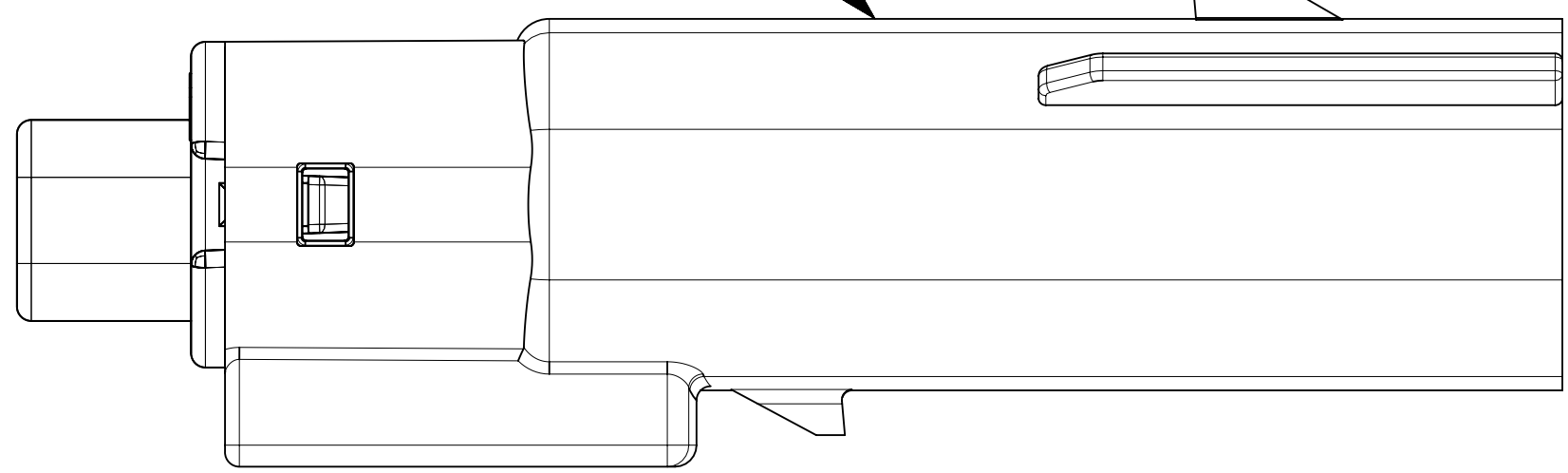


Key 3D

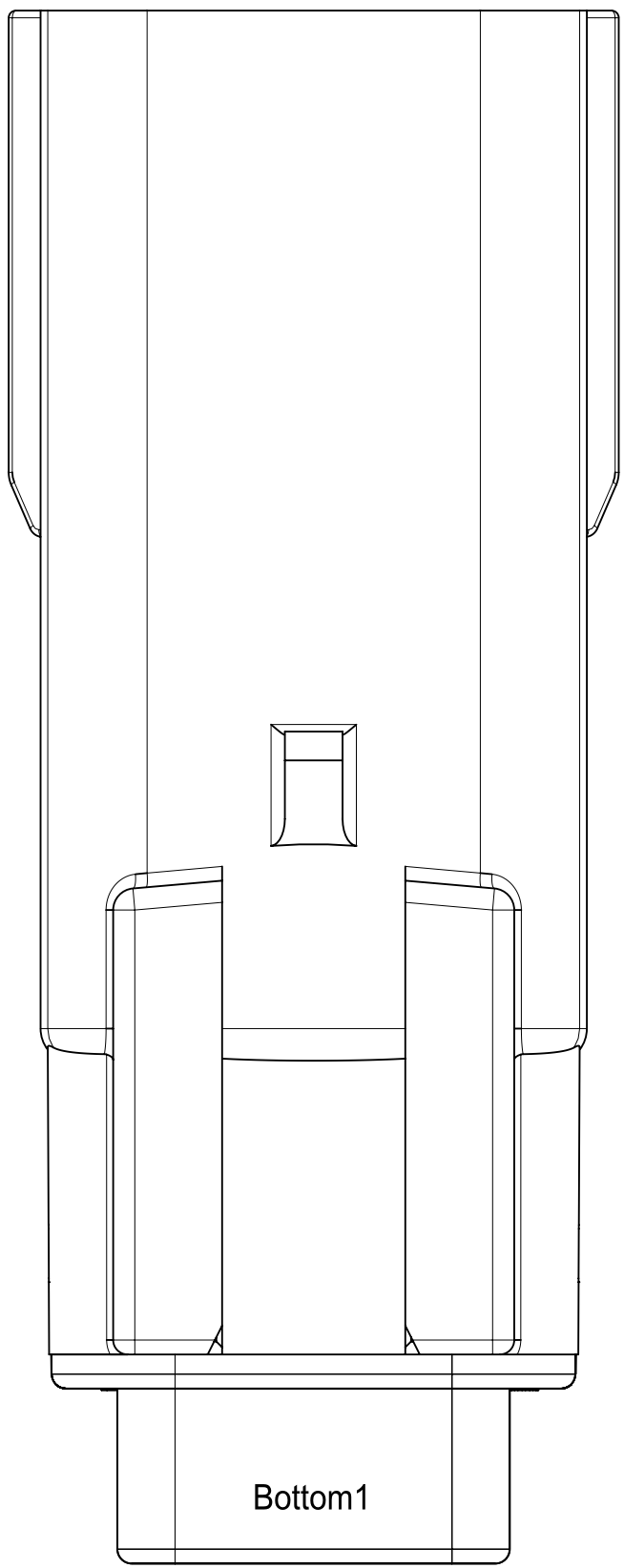
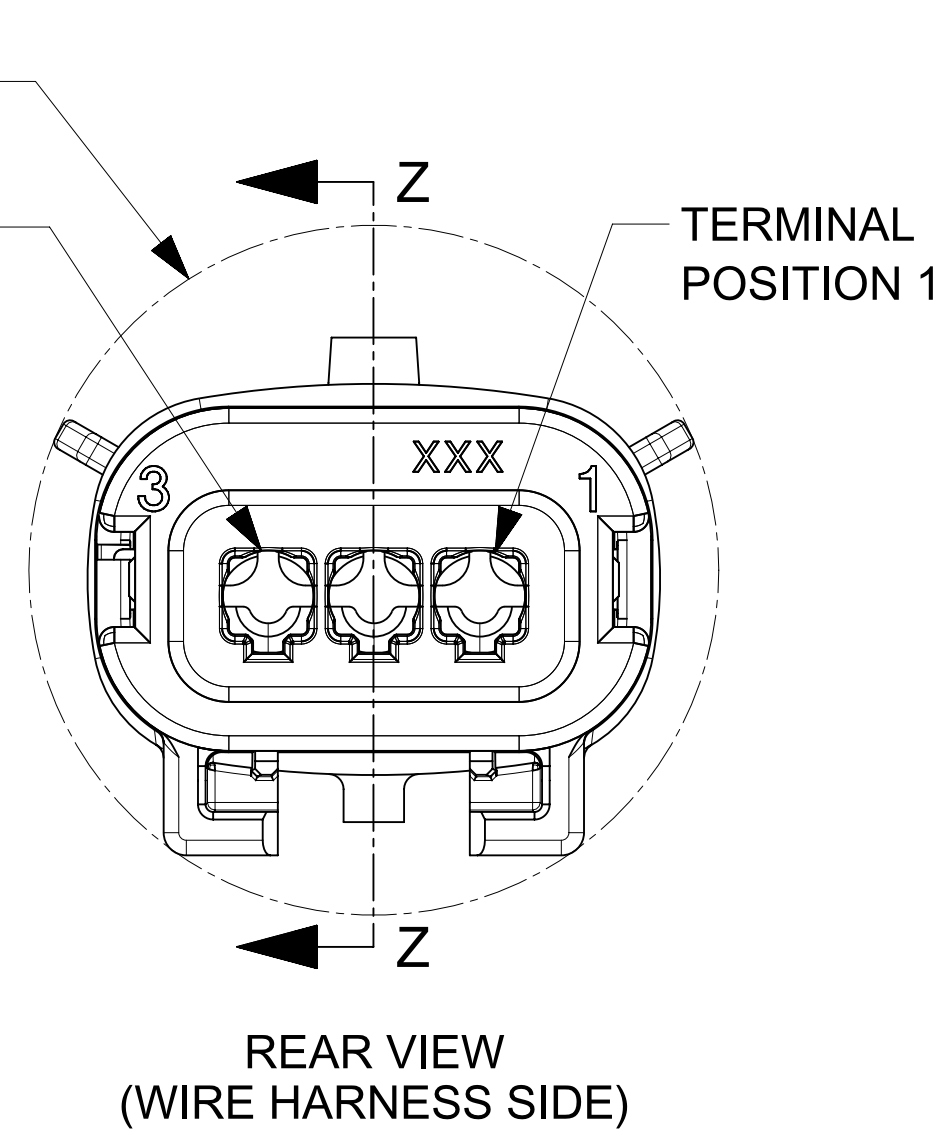
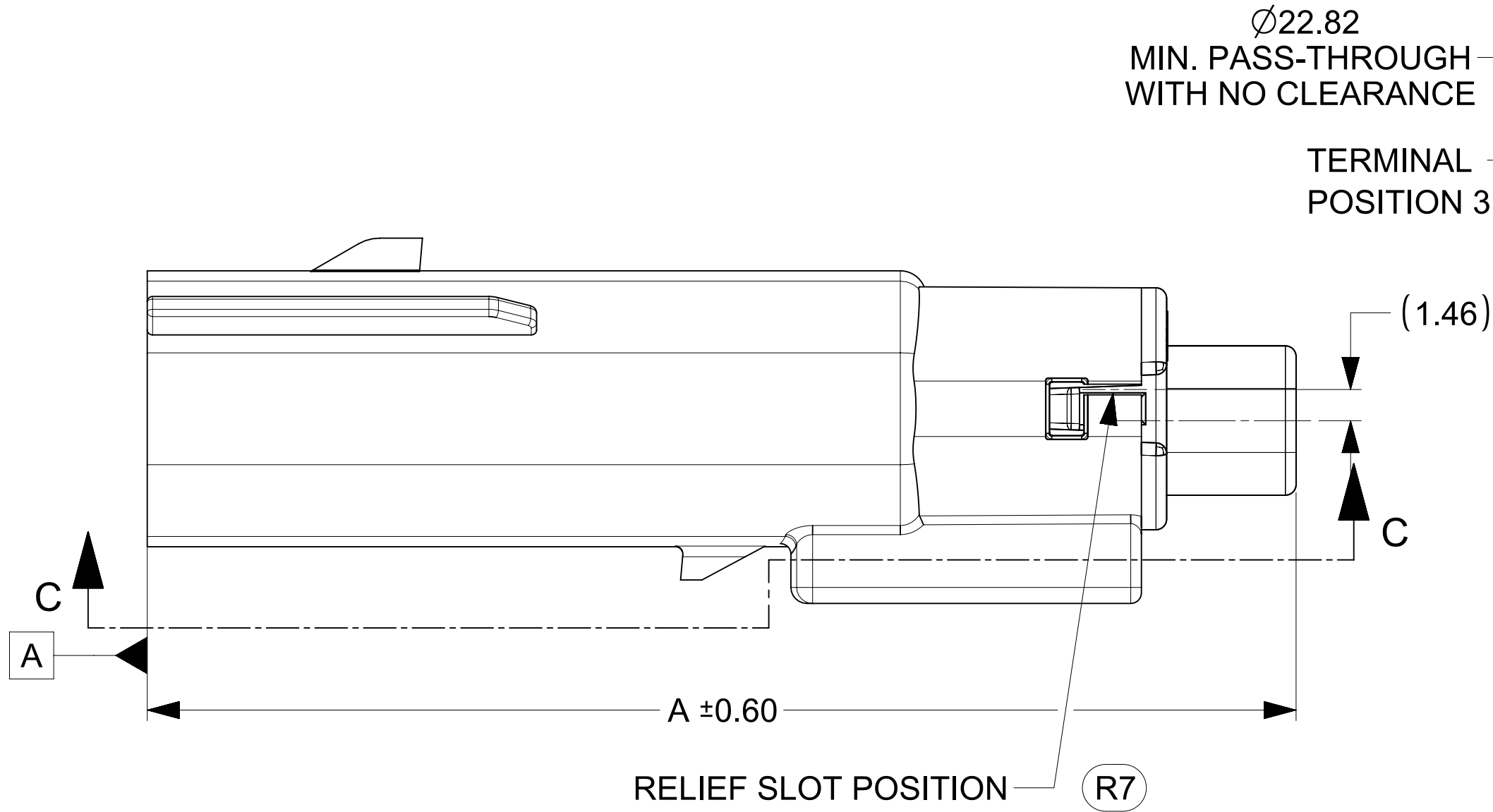
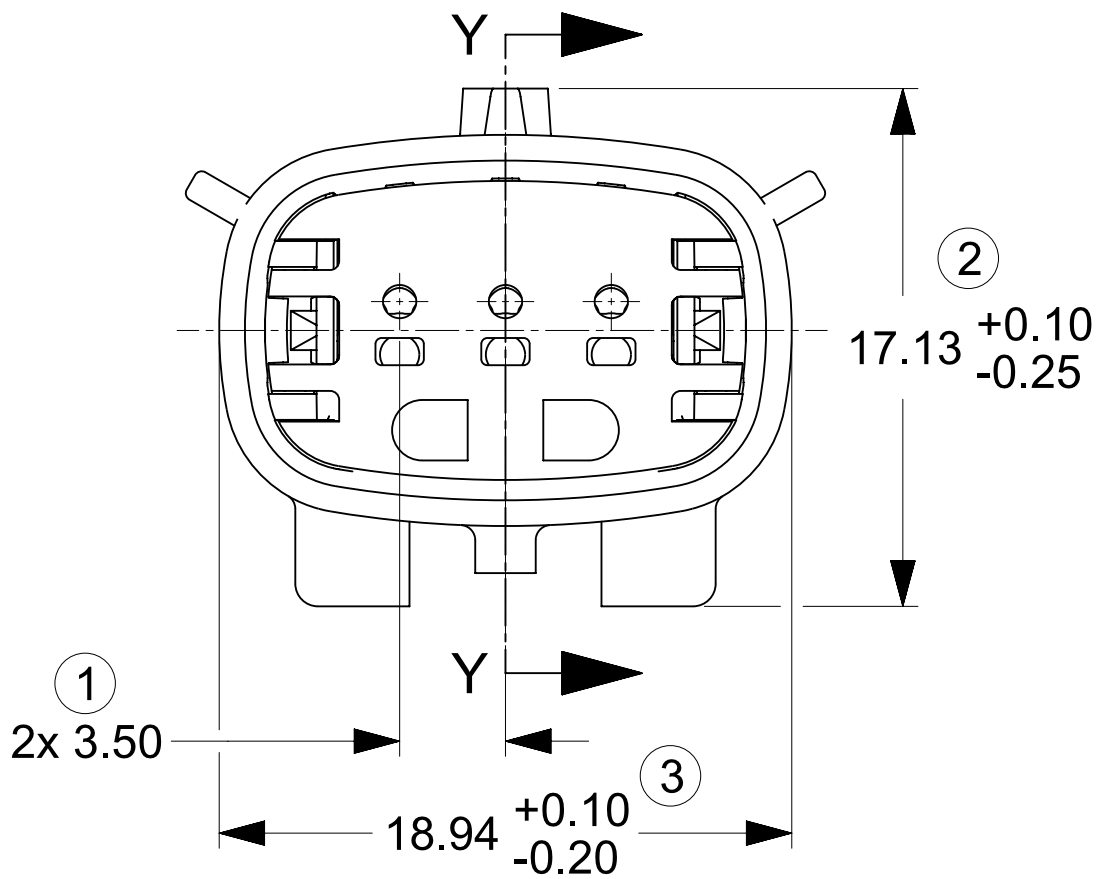
KEY CONFIGURATION

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	
MM		4:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL		± 3°							
4 PLACES		±							
3 PLACES		±		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 DOCUMENT NUMBER SD-33481-031 DOC TYPE PSD DOC PART 001 REVISION R9	
2 PLACES		± 0.100							
1 PLACE		± 0.30							
0 PLACES		±							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 							
				MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 7	

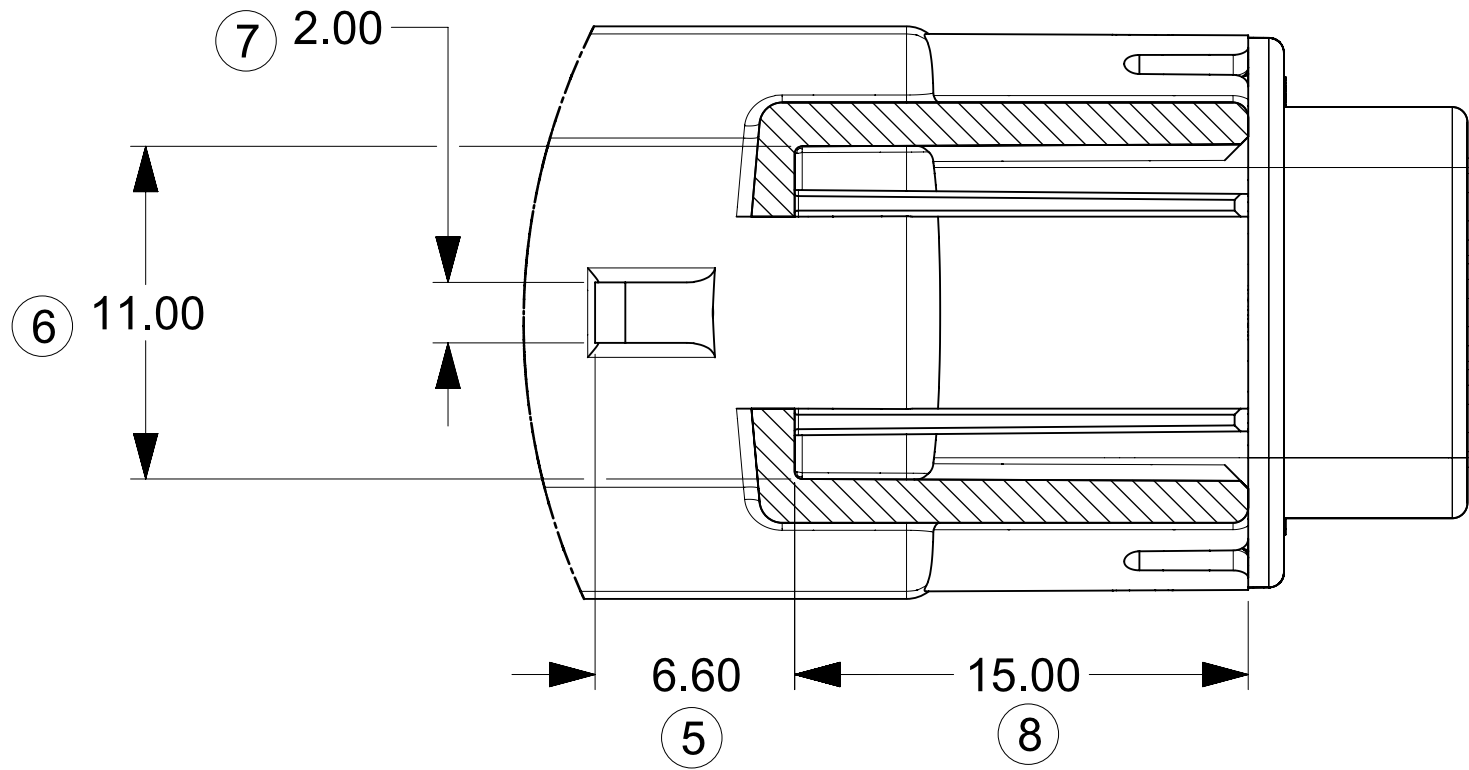
LASER MARKING THIS SURFACE
SEE NOTE 3g.



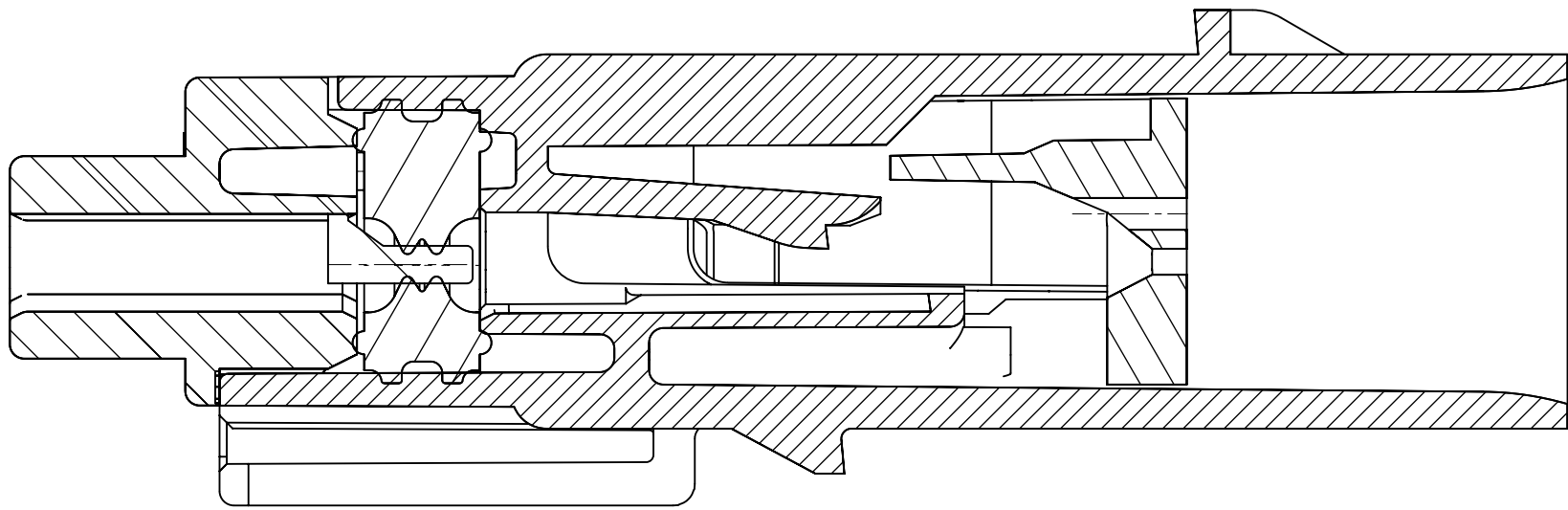
Left1



Bottom1

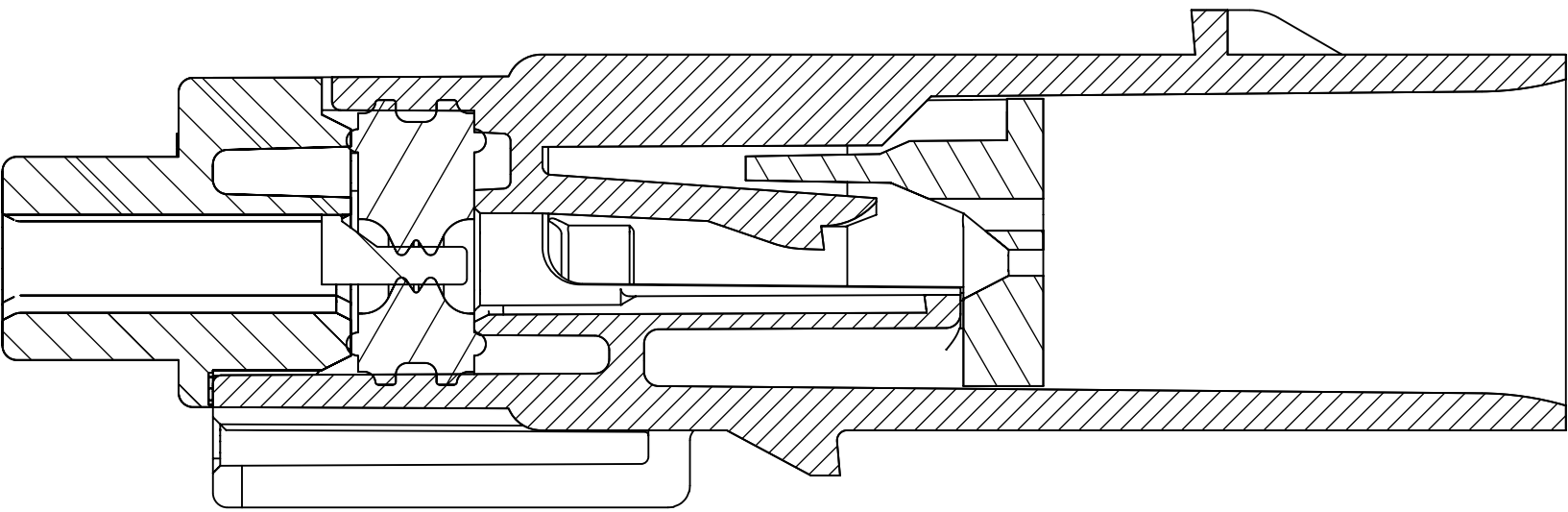


SECTION C-C



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

SECTION Z-Z

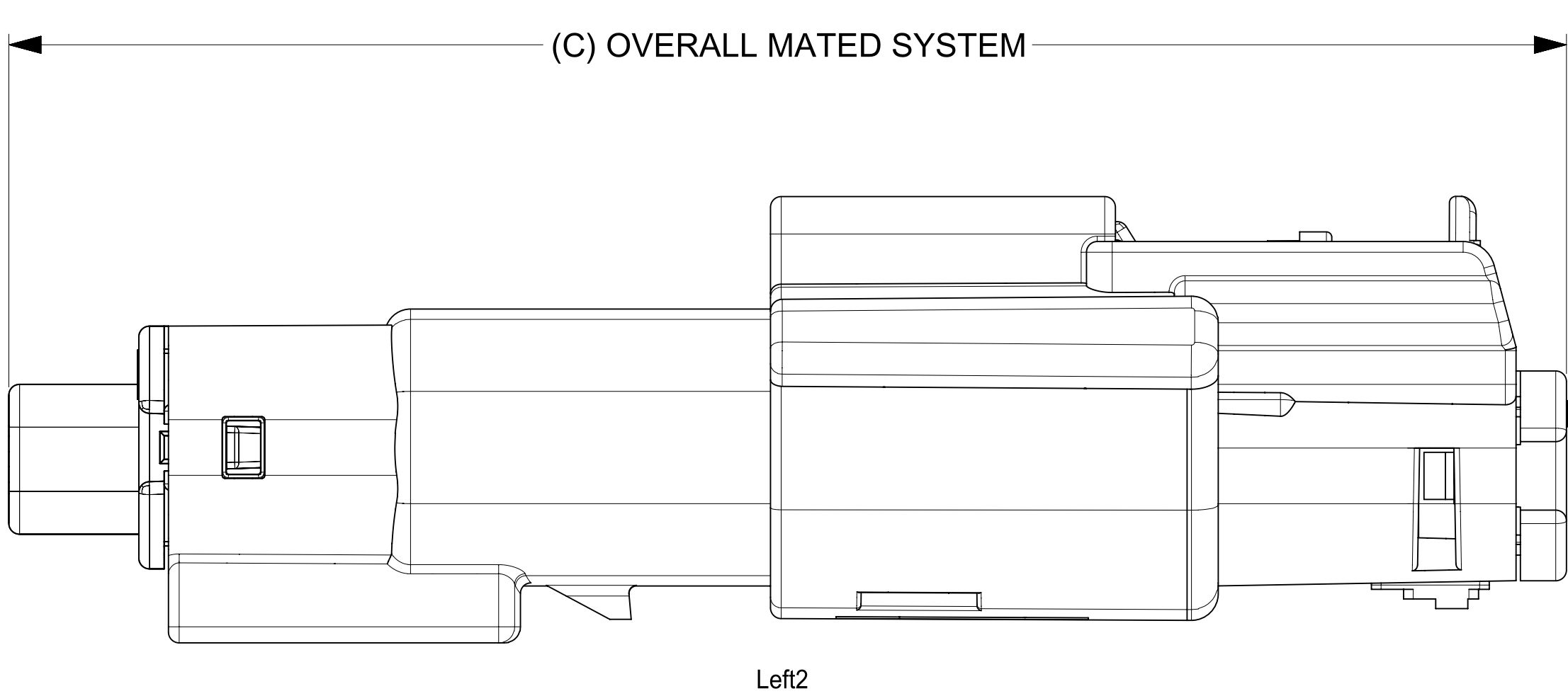


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

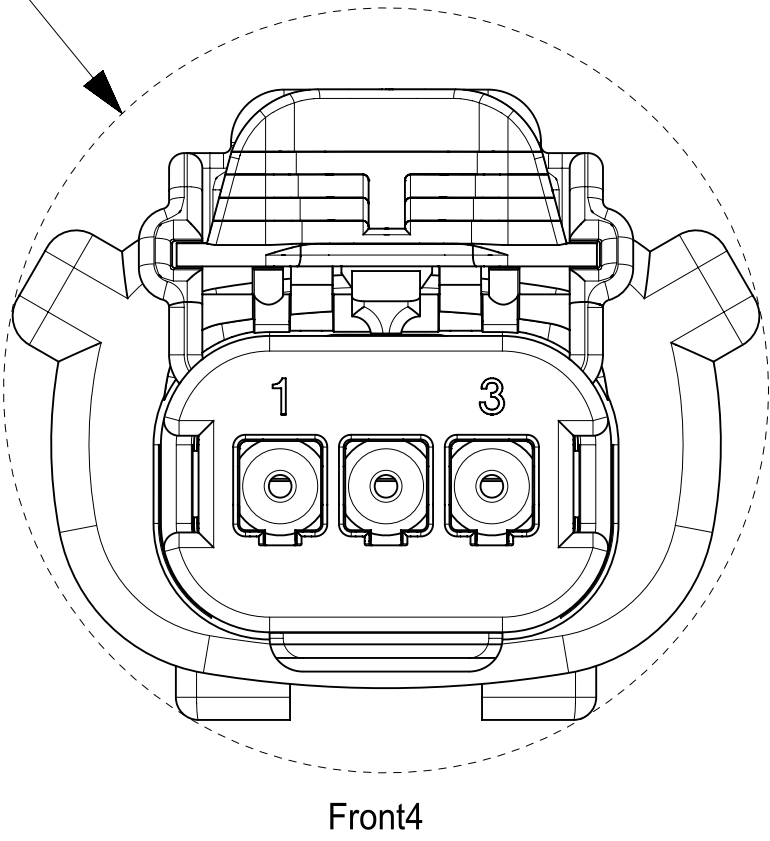
SECTION Y-Y

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)															
ANGULAR TOL ± 3°															
4 PLACES		±													
3 PLACES		±		STATUS: Production				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
2 PLACES		± 0.100													
1 PLACE		± 0.30													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION													
		 		D-SIZE		33481		SEE TABLE		GENERAL MARKET		3 OF 7			
		2026-04-21		2026-05-06		2026-05-06		SD-33481-031		PSD		001		R9	
		DRWN: Ravindra Reddy MS		CHK'D: Ganesh Rao B		APPR: Gurunandan GA									

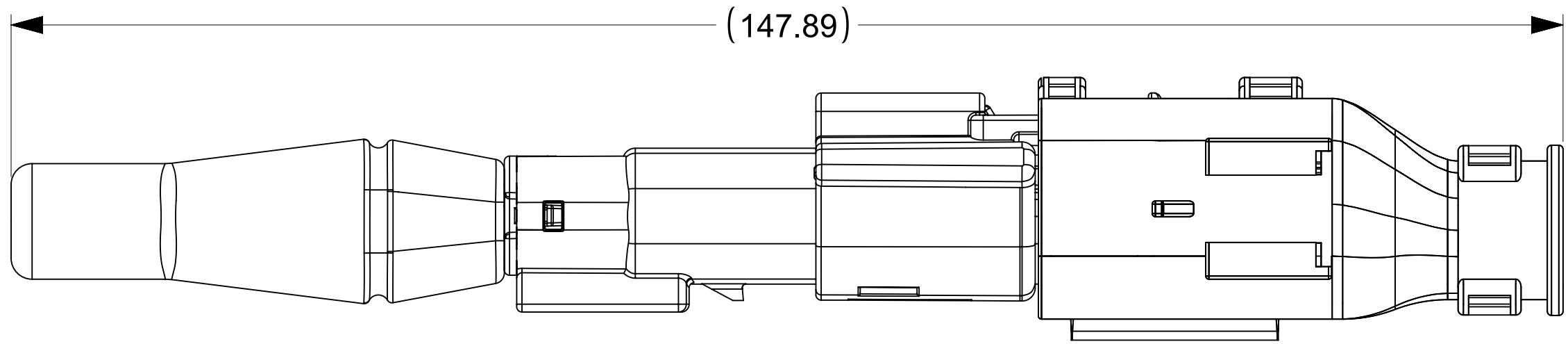


Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



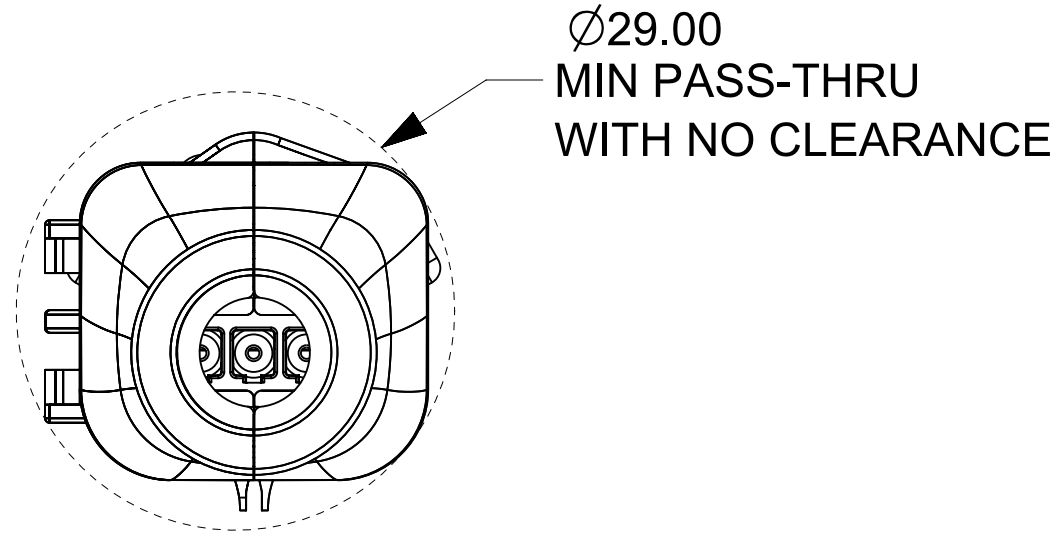
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RIBBER BOOT CONFIGURATION	57.85

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516676		molex							
MM		4:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL		± 3°											
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		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				D-SIZE		33481		SEE TABLE		GENERAL MARKET		4 OF 7	
				2026-04-21		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		CHK'D: Ganesh Rao B		2026-05-06		SD-33481-031		PSD		001		R9	
		APPR: Gurunandan GA		2026-05-06									

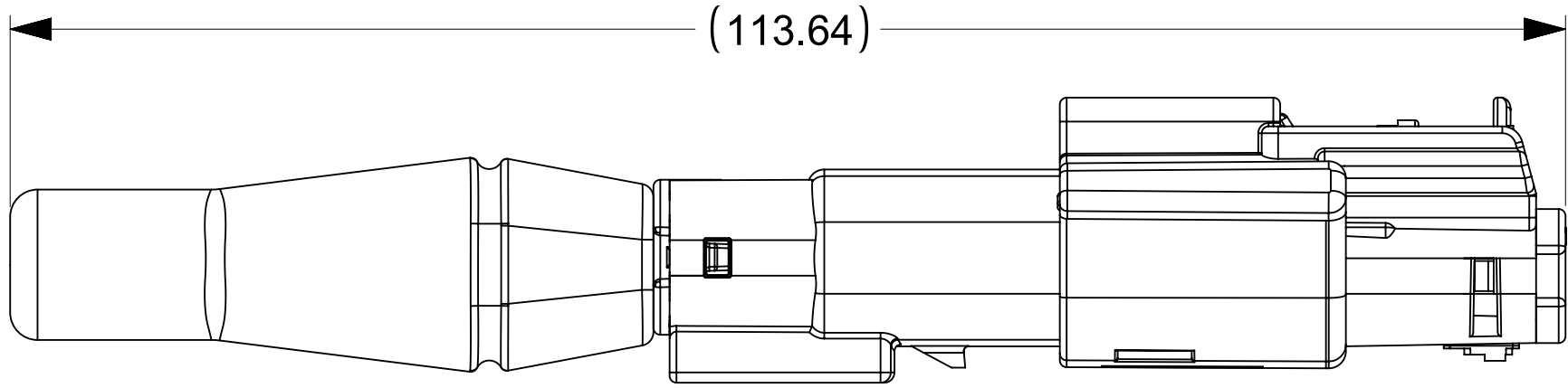


Front11

OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL

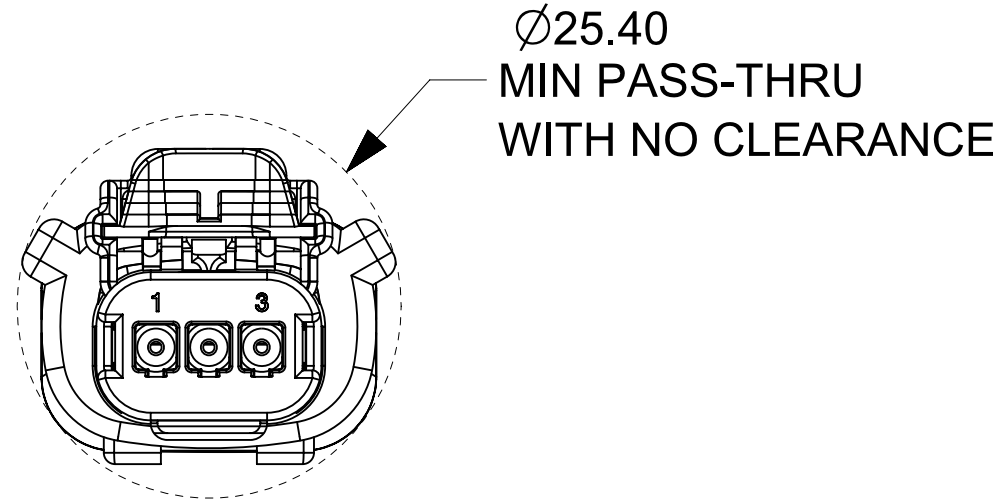


Right2

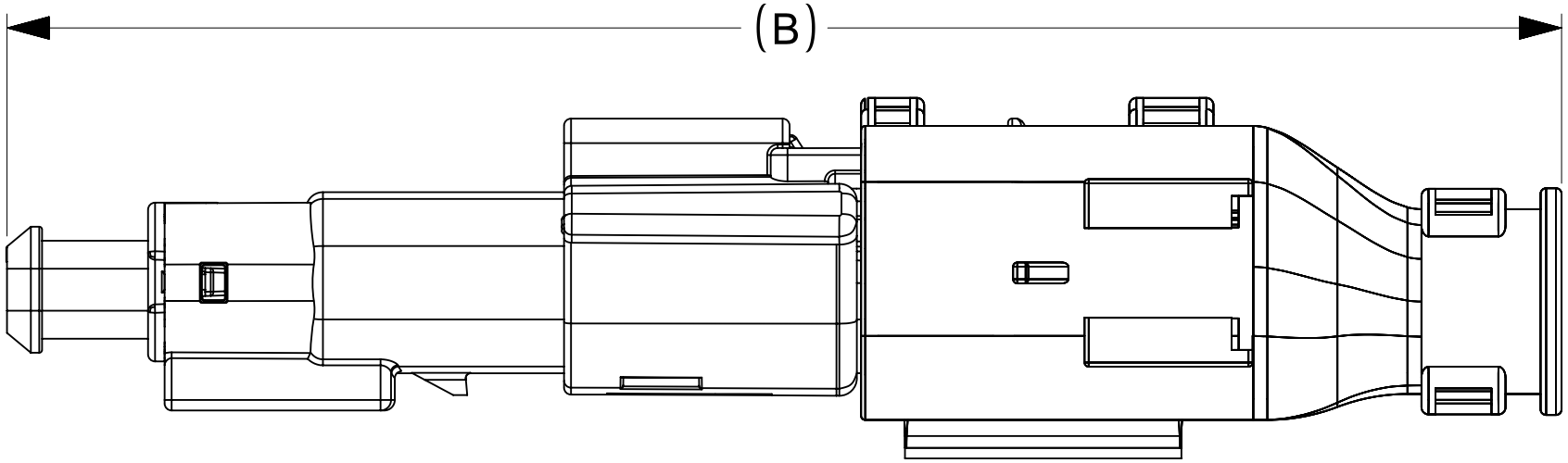


Front12

OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



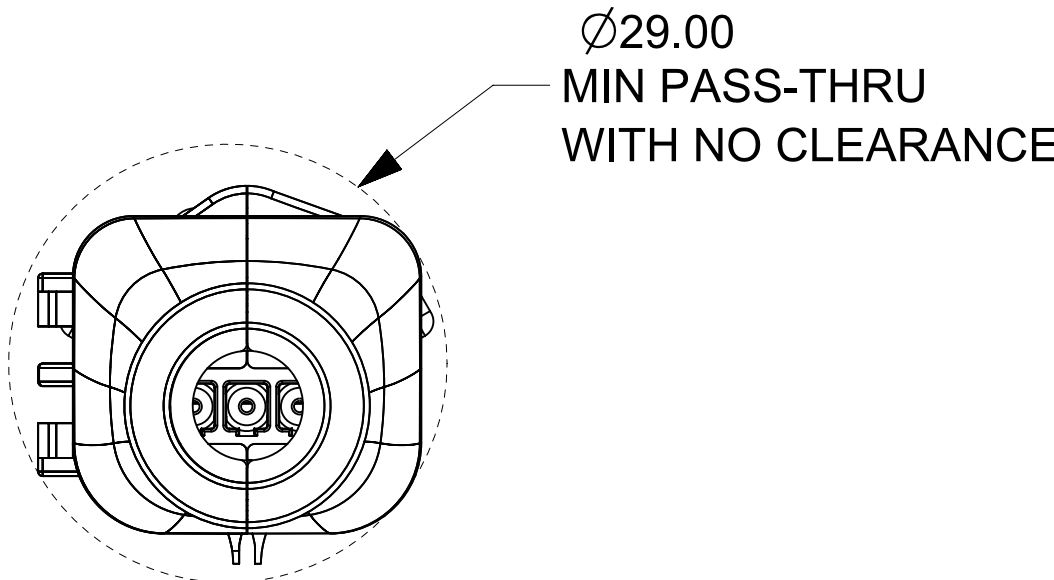
Right6



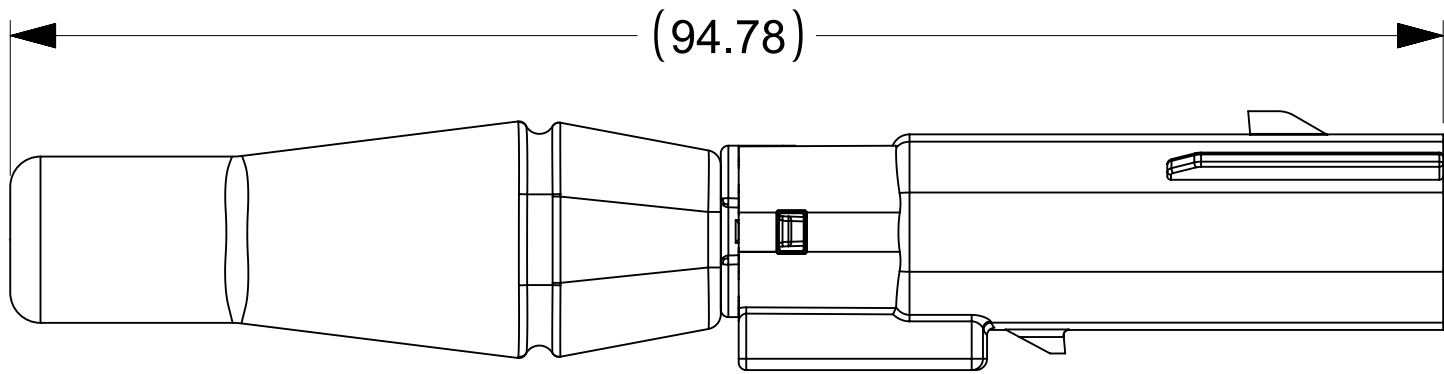
Front13

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

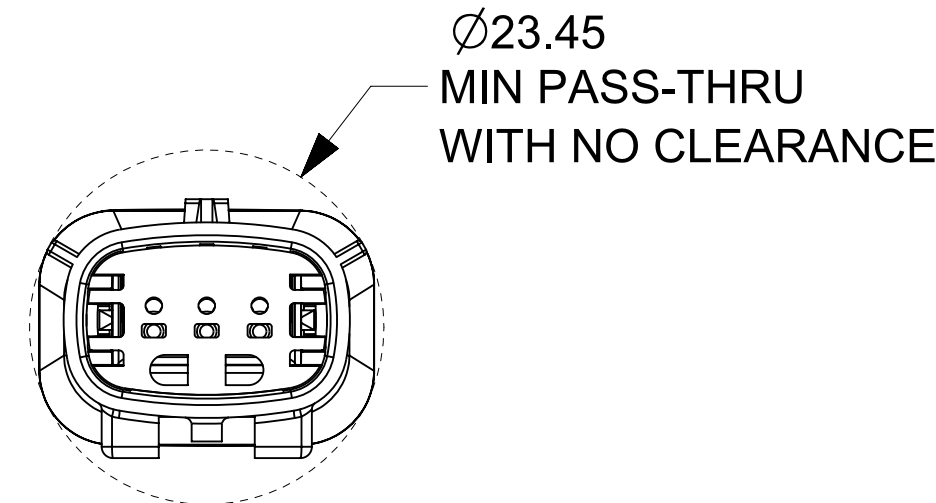


Right7



Front14

BLADE SEALED ASSEMBLY WITH BLADE RUBBER BOOT



Right8

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

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: RENOVED 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

20

19

18

17

16

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14

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11

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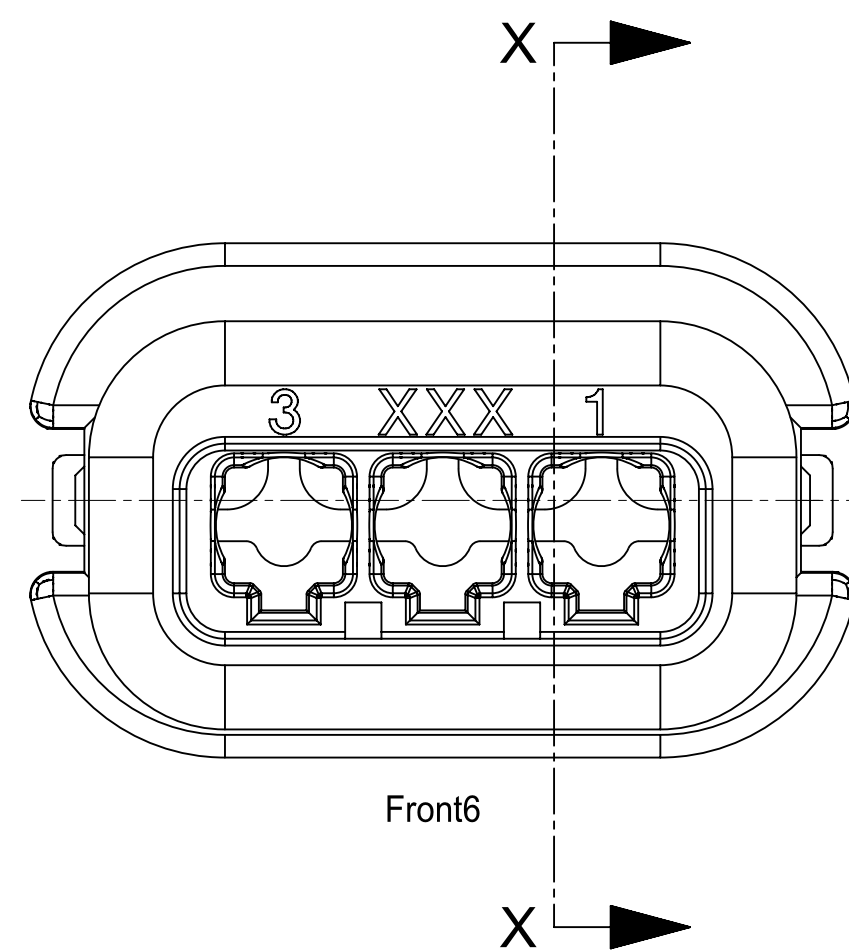
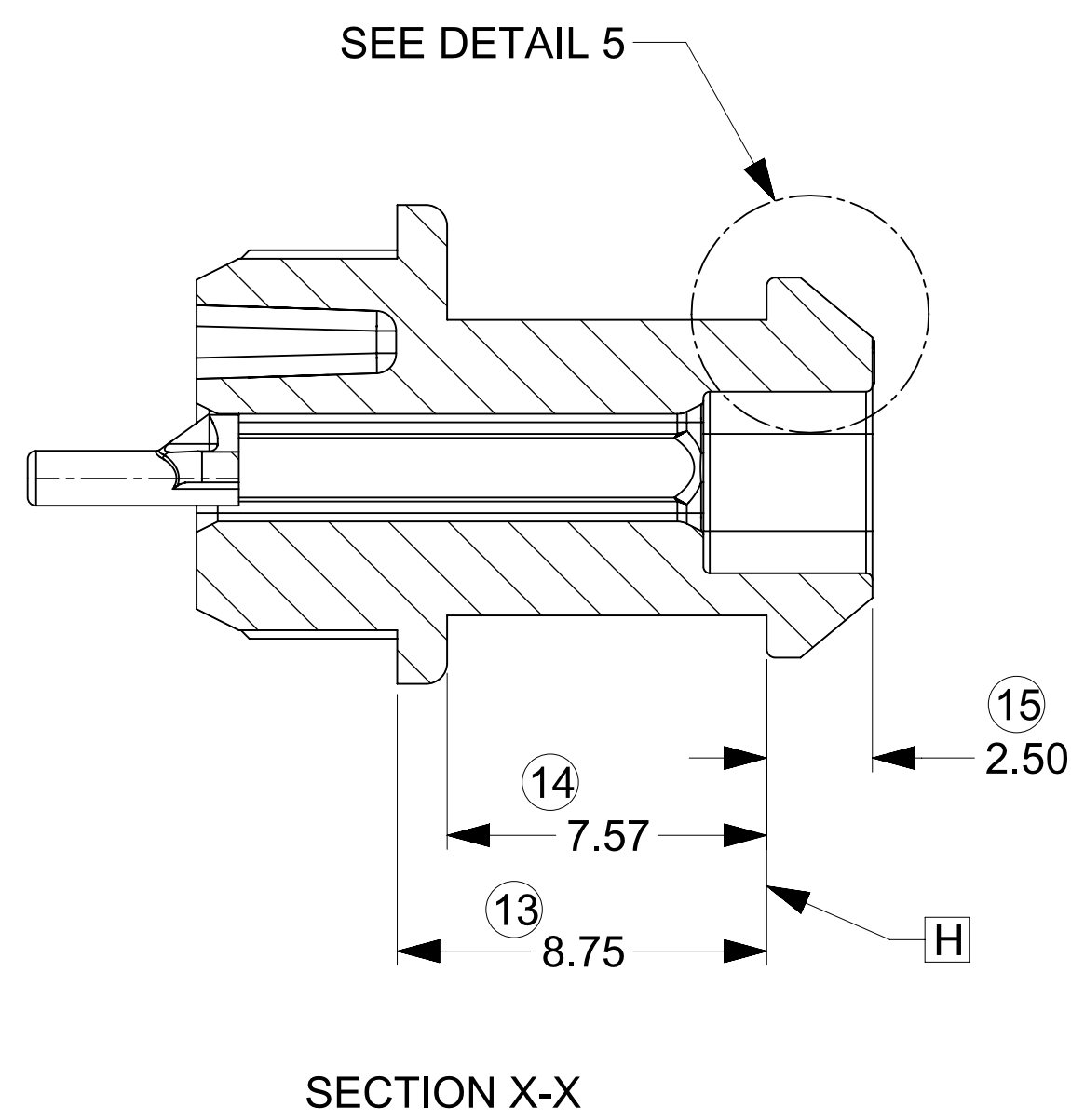
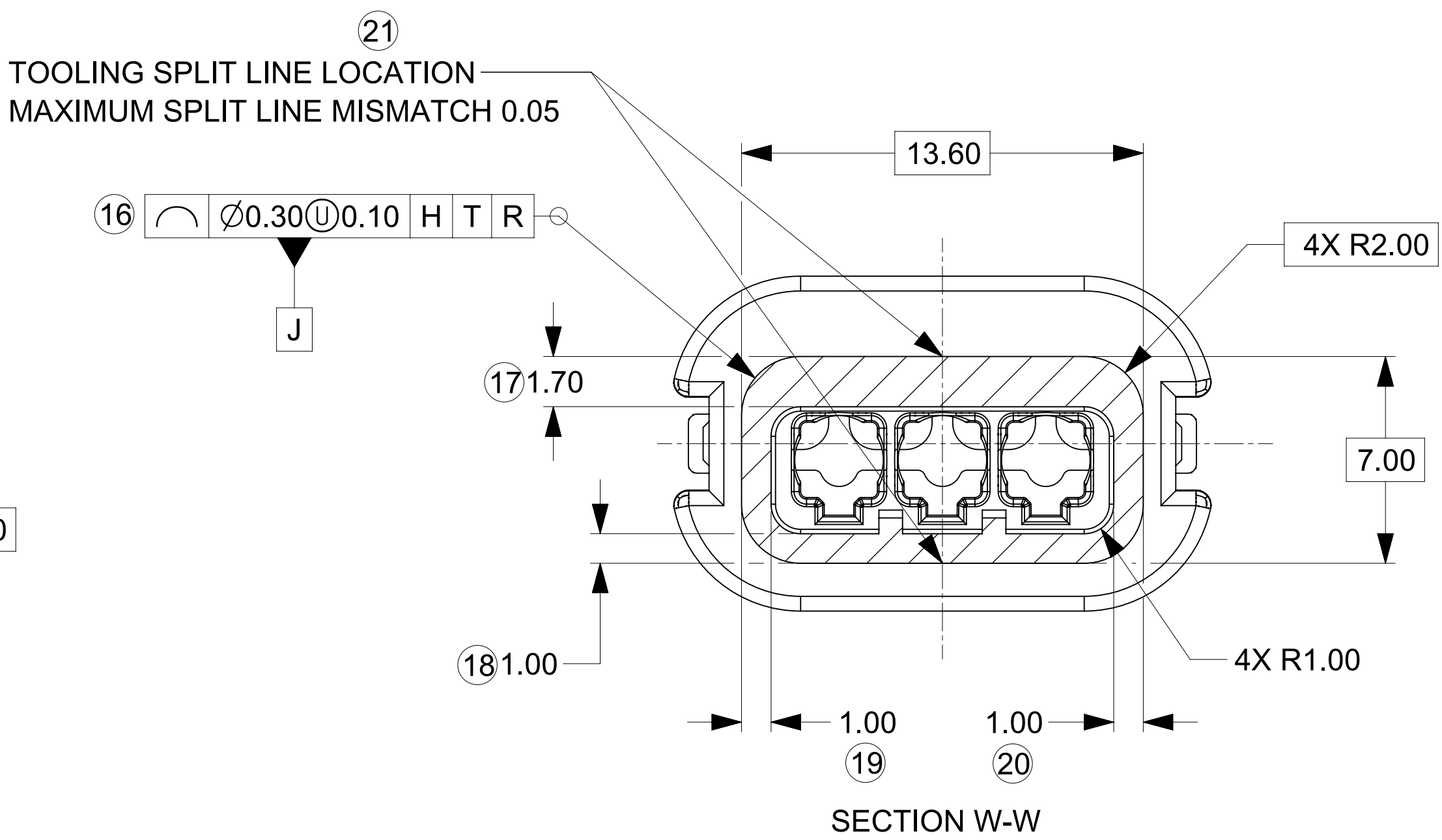
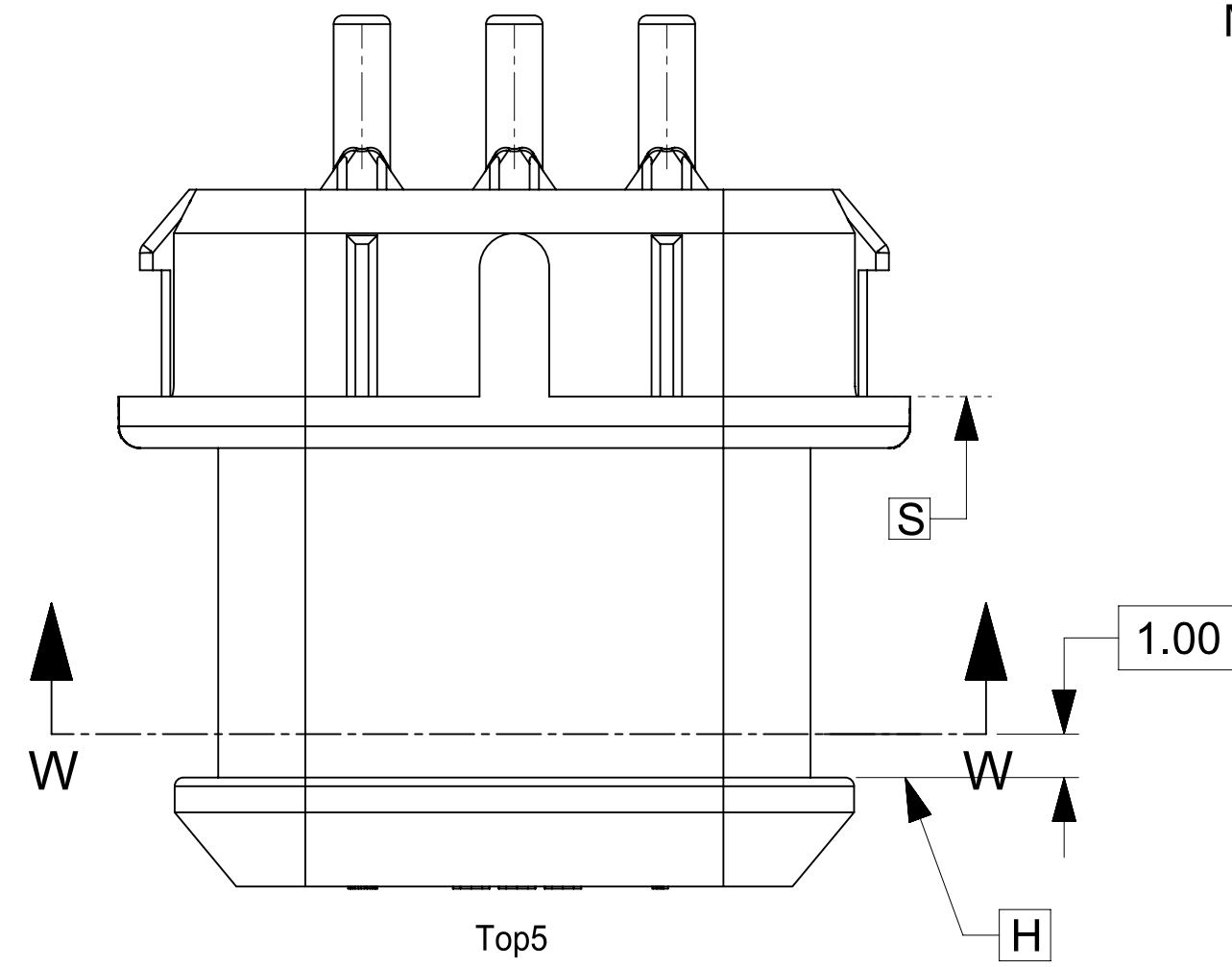
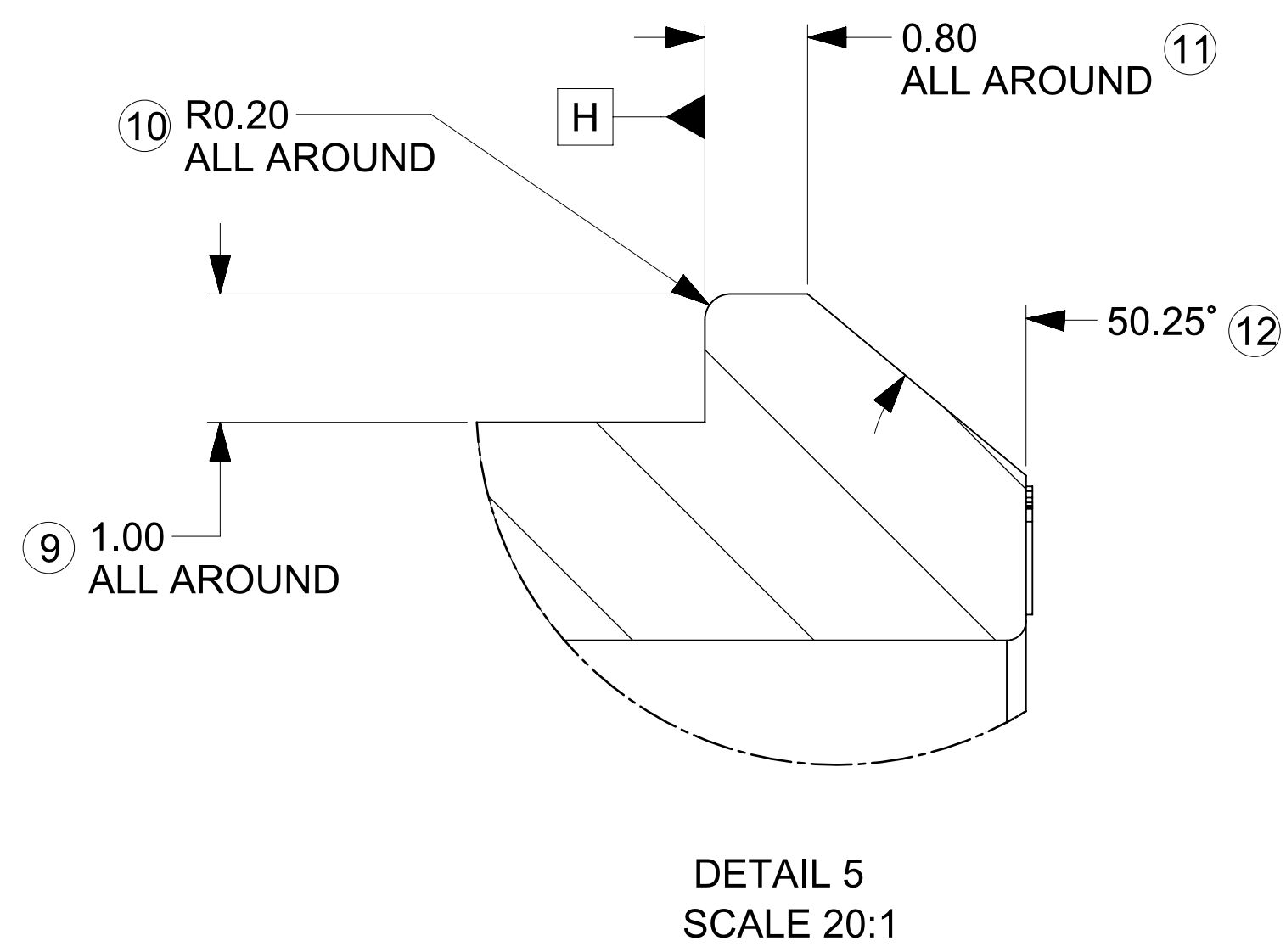
4

3

2

1

RUBBER BOOT INTERFACE



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			
MM		2:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)							PRODUCT CUSTOMER DRAWING			
ANGULAR TOL ± 3°										
4 PLACES ±										
3 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
2 PLACES ± 0.100						SD-33481-031		PSD	001	R9
1 PLACE ± 0.30										
0 PLACES ±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING D-SIZE	SERIES 33481	MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET		SHEET NUMBER 7 OF 7