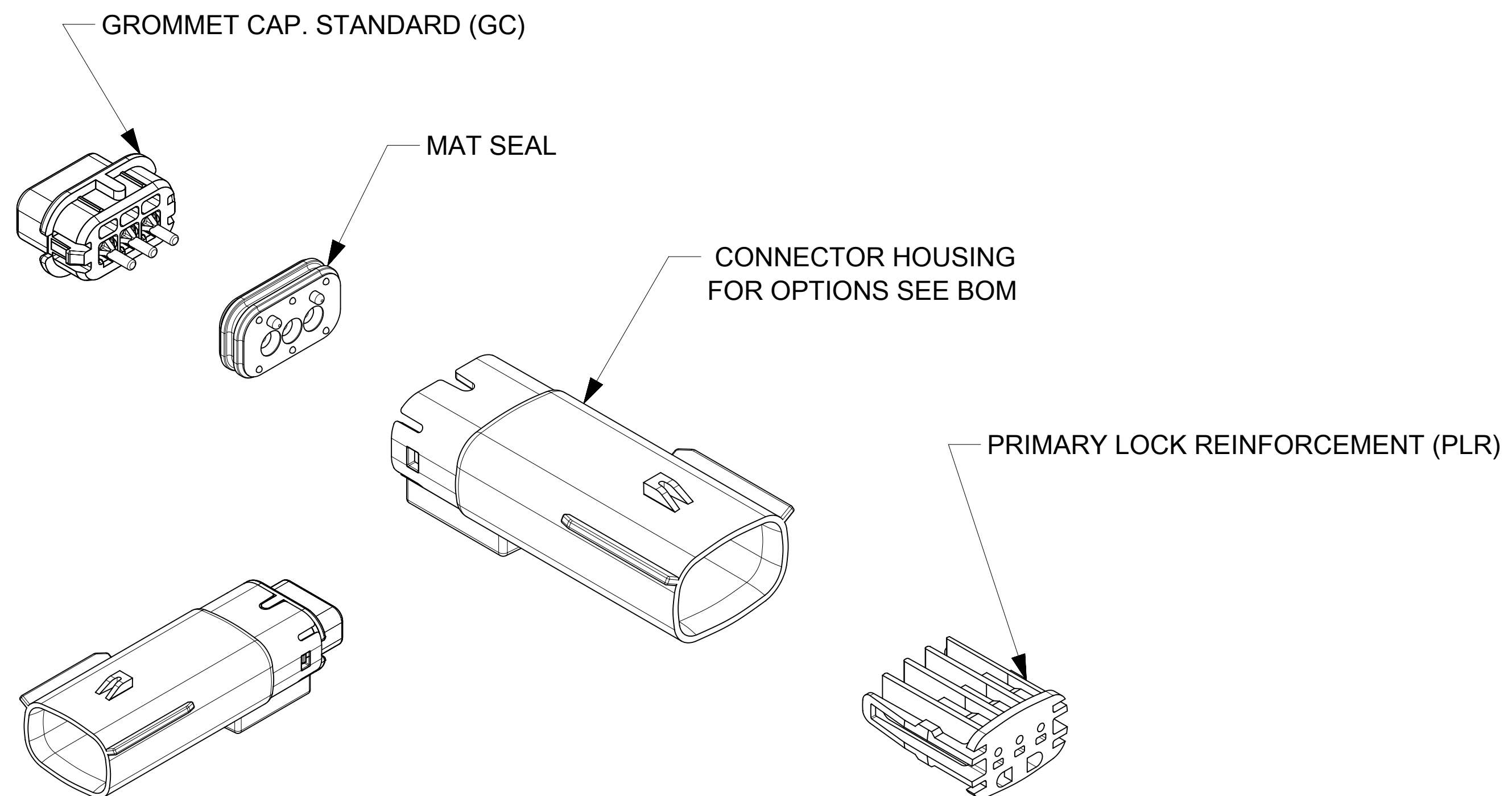
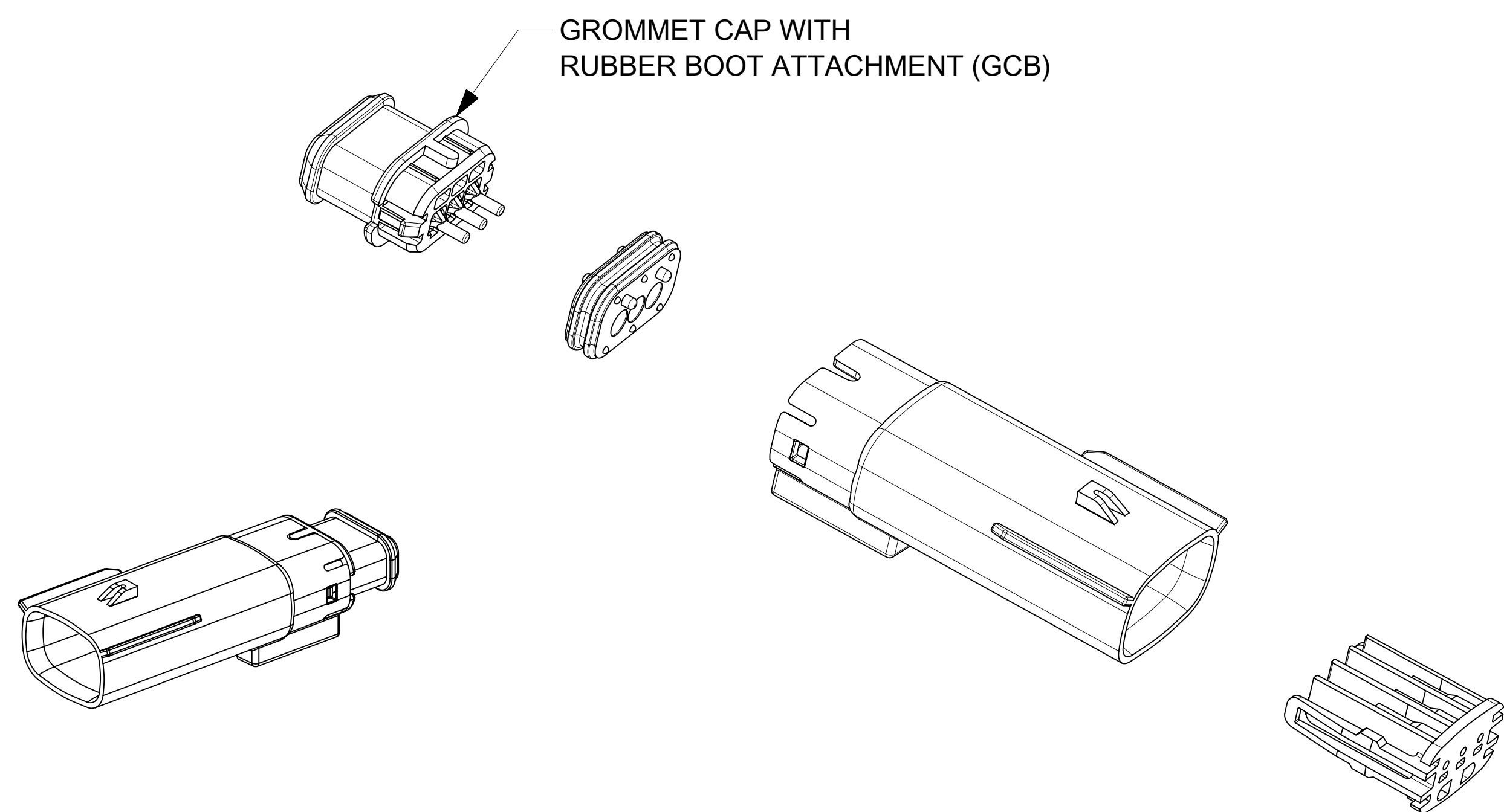


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	RUBBER BOOT CONFIGURATION
6	BOM
7	RUBBER BOOT INTERFACE



MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD (STD)



MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY

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

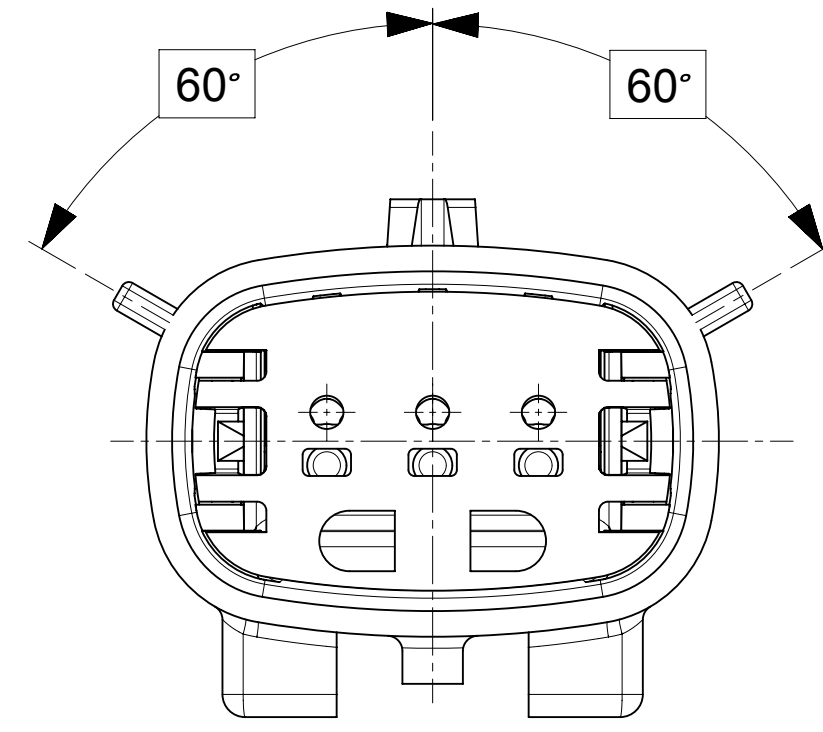
3. DESIGN - GEOMETRY:

- 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

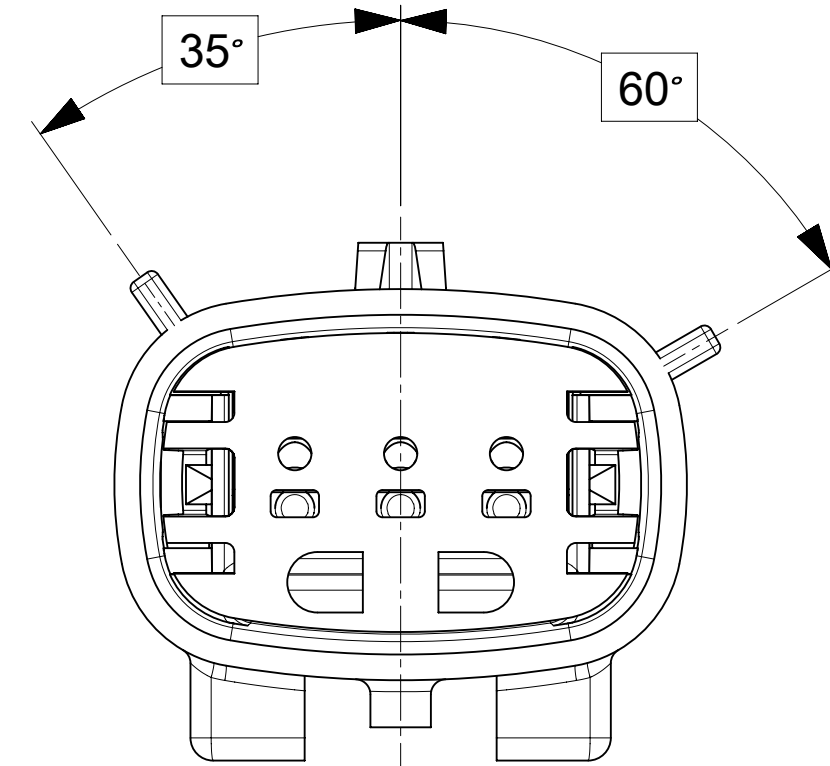
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LAST NUMBER USED: 21
ADDED:
REMOVED:

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

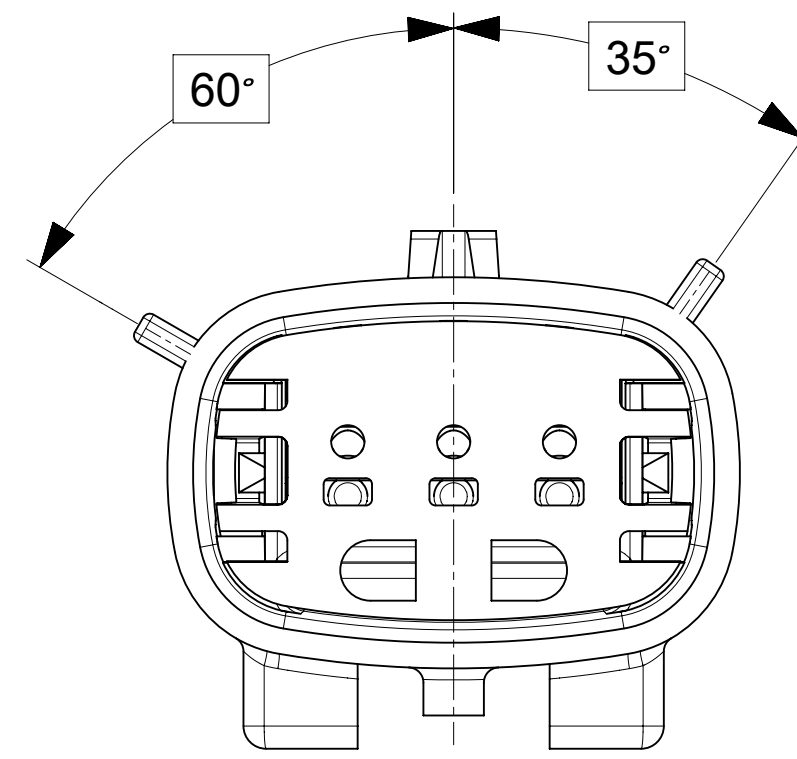
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GENERAL TOLERANCES (UNLESS SPECIFIED)									
	MM	INCH							
4 PLACES	±		±						
3 PLACES	±		±						
2 PLACES	±	0.1	±						
1 PLACE	±	0.3	±						
0 PLACES	±		±						
ANGULAR TOL		± 3.0 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
		D-SIZE		33481		SEE BOM		GENERAL MARKET	
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
SD-33481-031				PSD		001		R5	
SHEET NUMBER				SHEET NUMBER		SHEET NUMBER		SHEET NUMBER	
1 OF 7				1 OF 7		1 OF 7		1 OF 7	



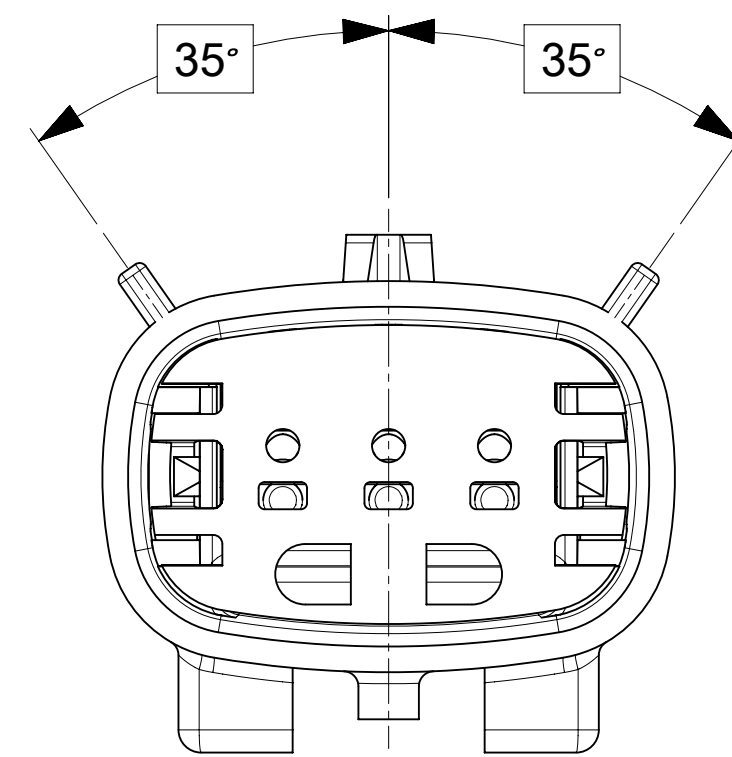
KEY A



KEY B



KEY C

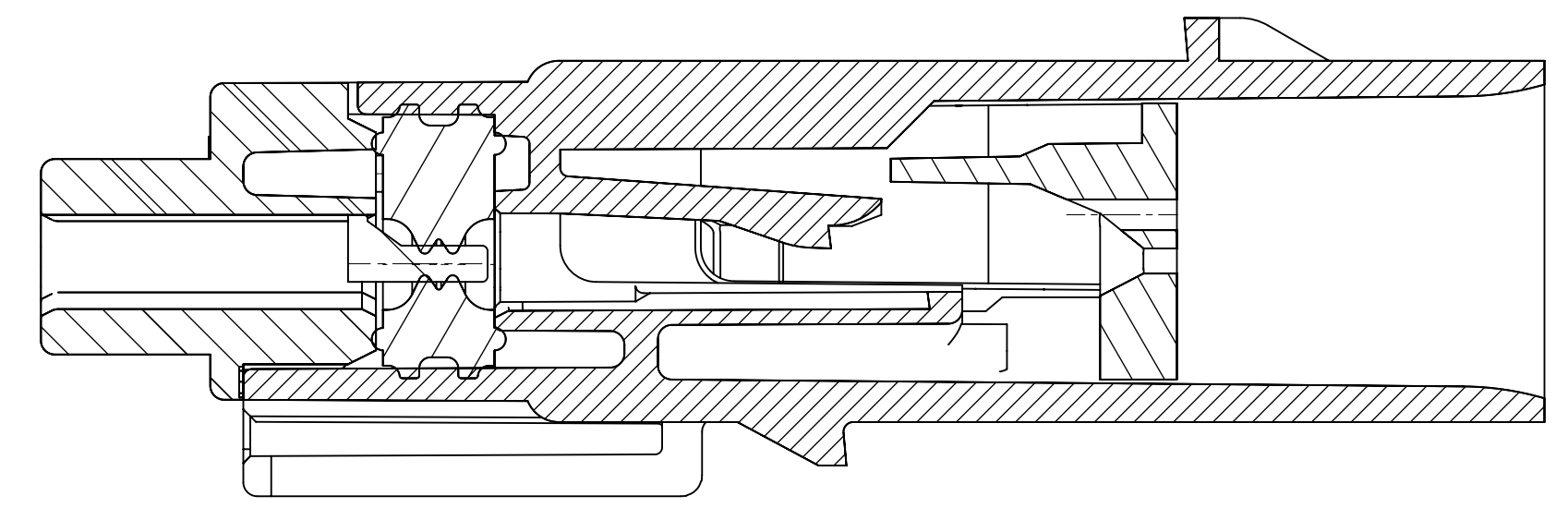
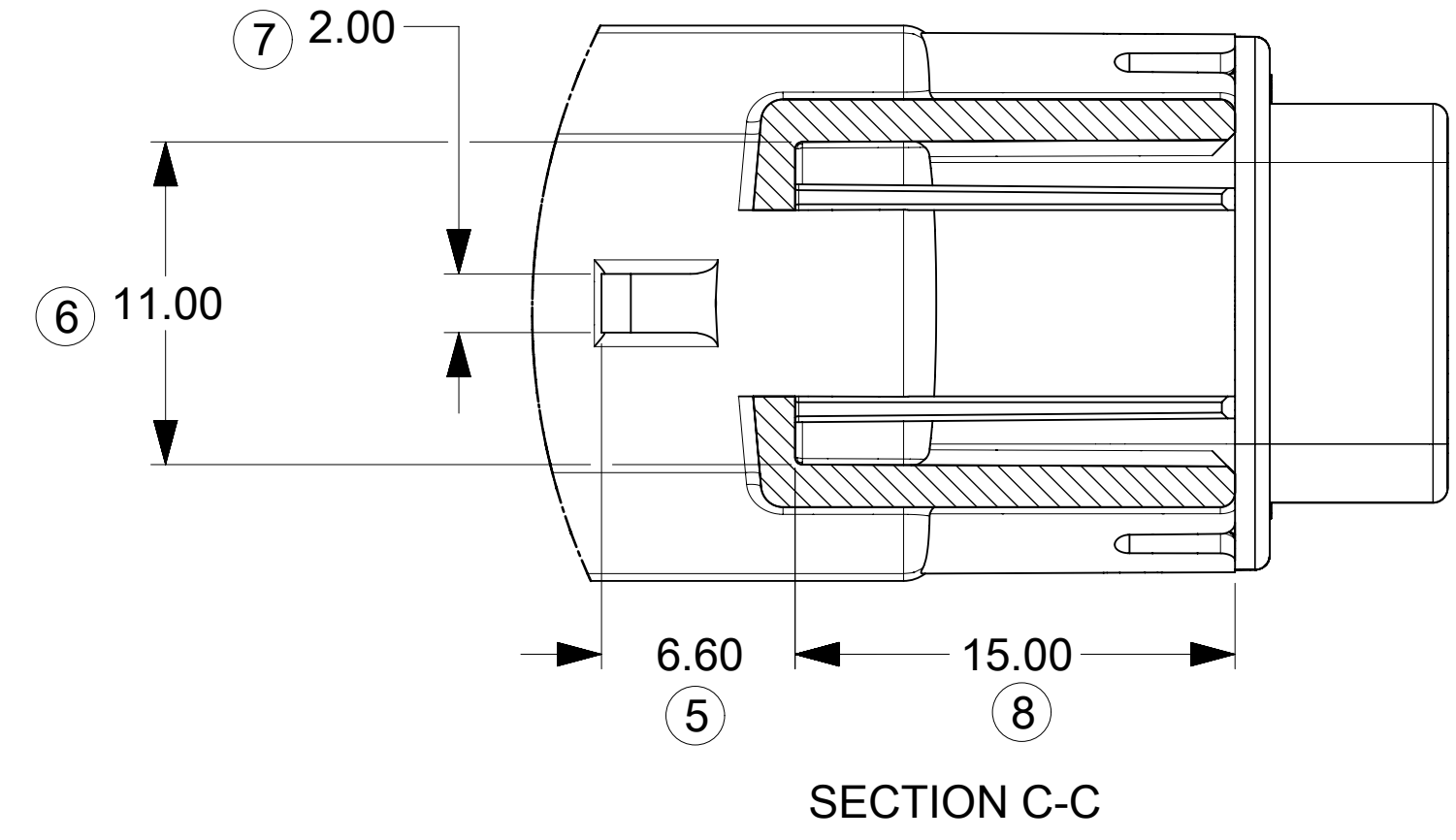
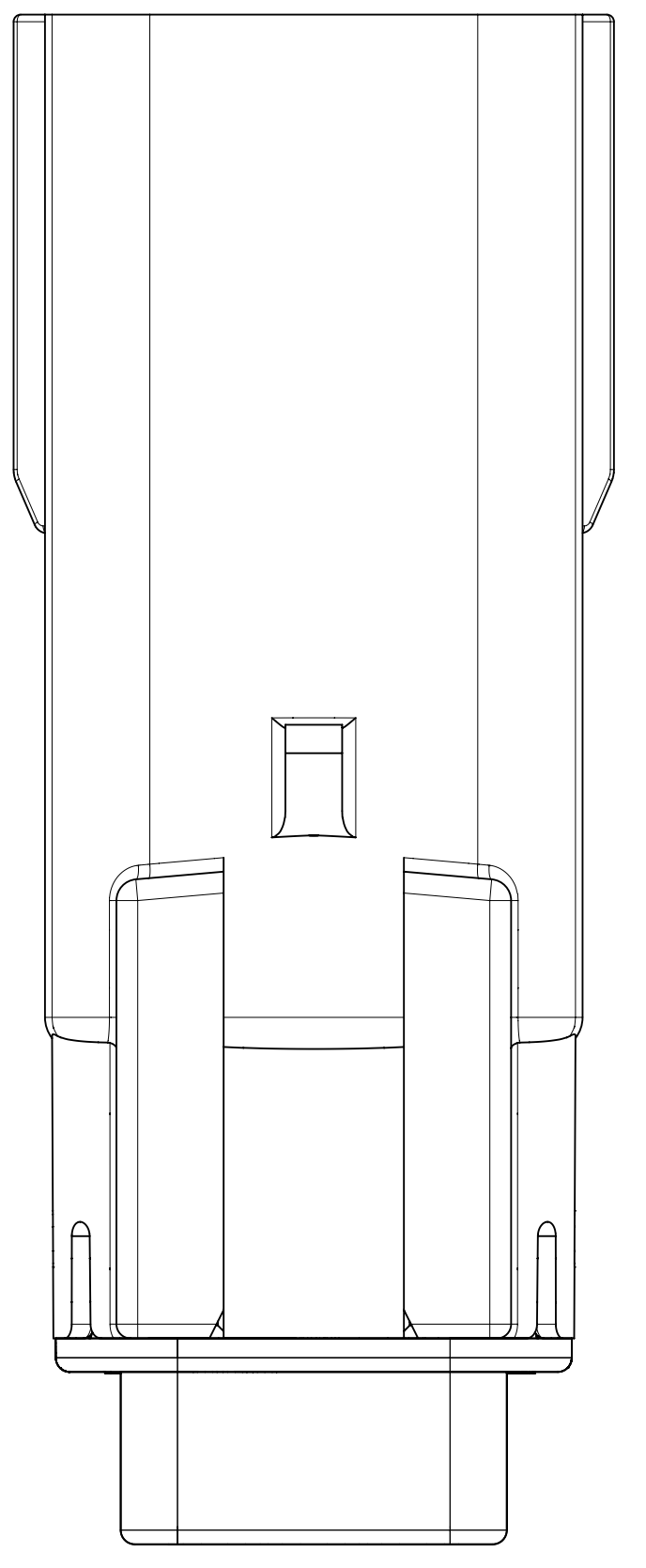
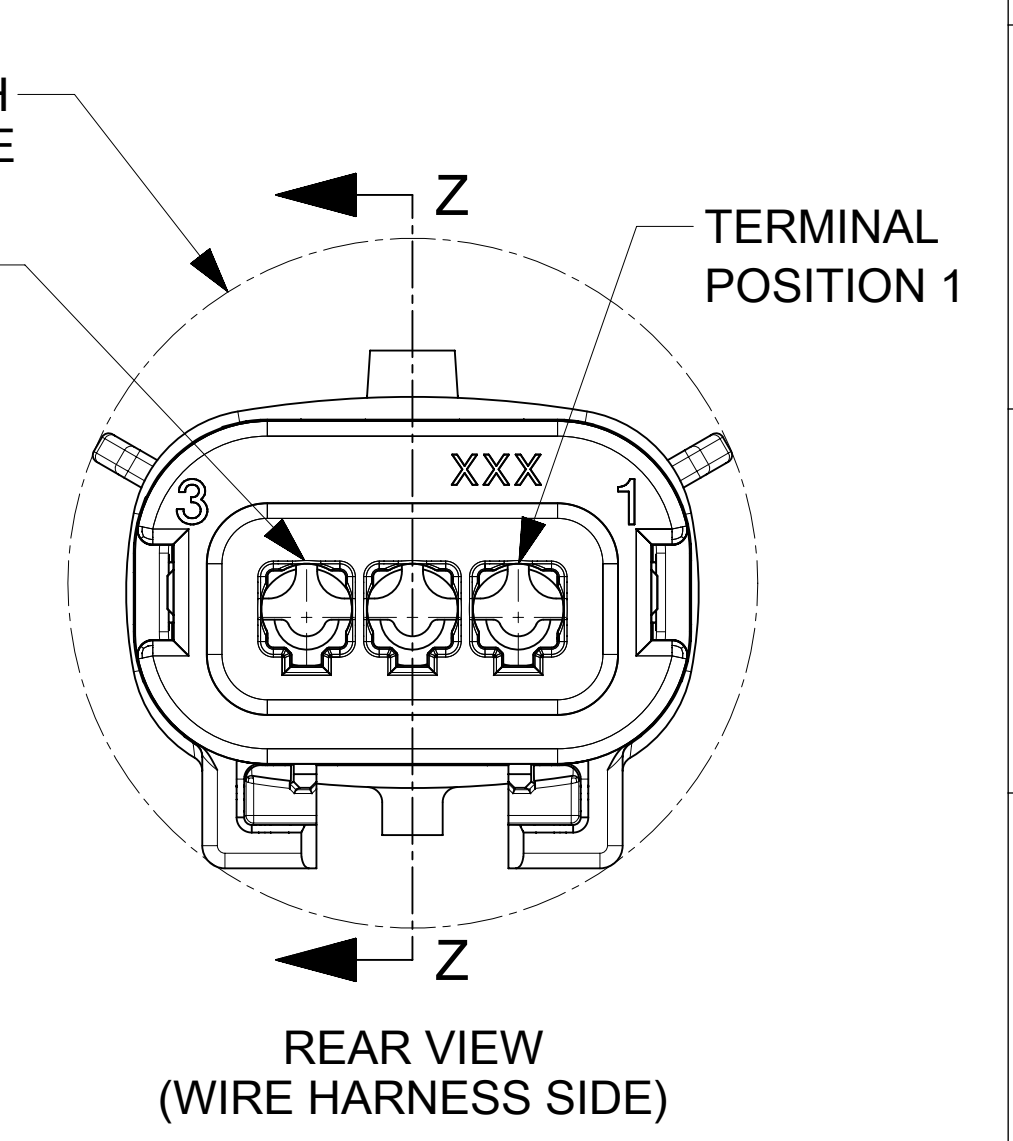
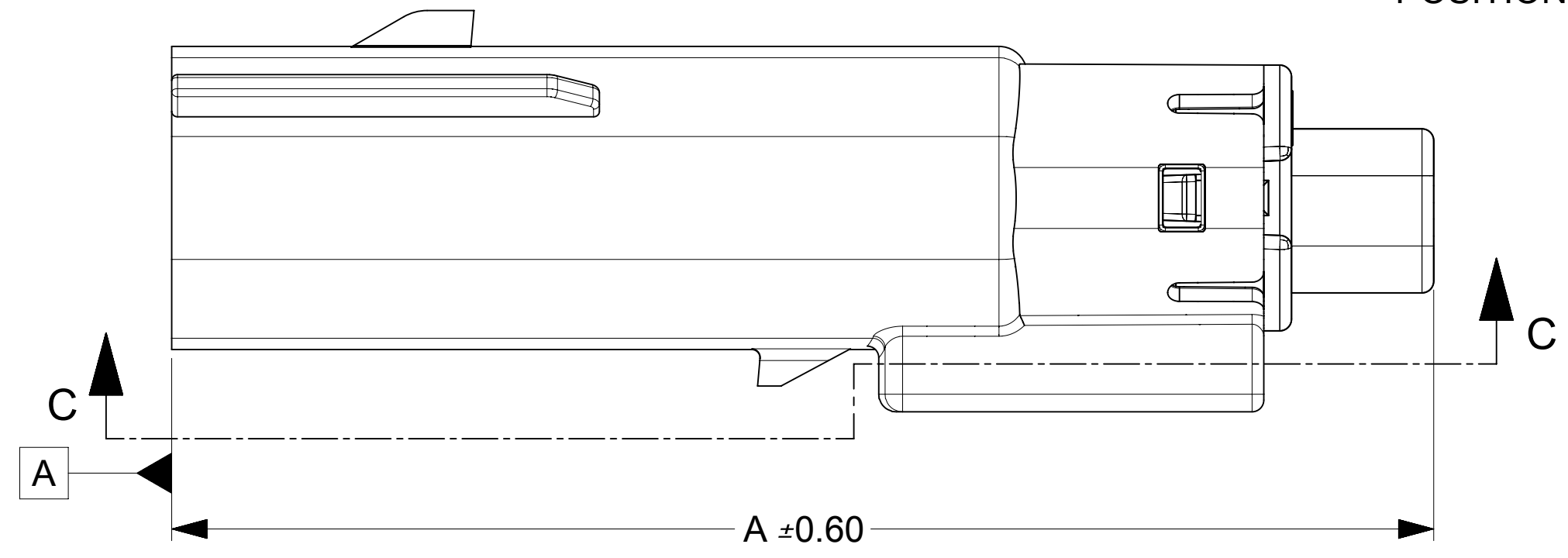
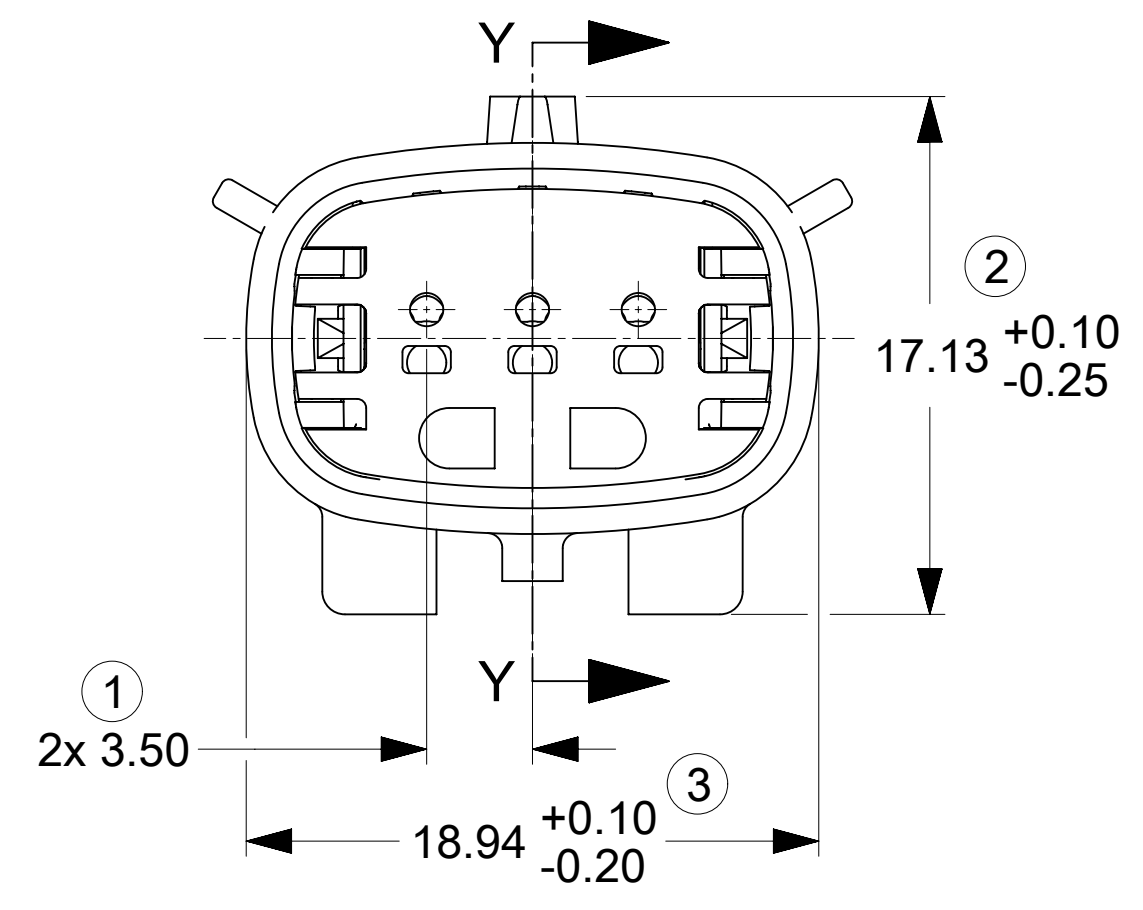
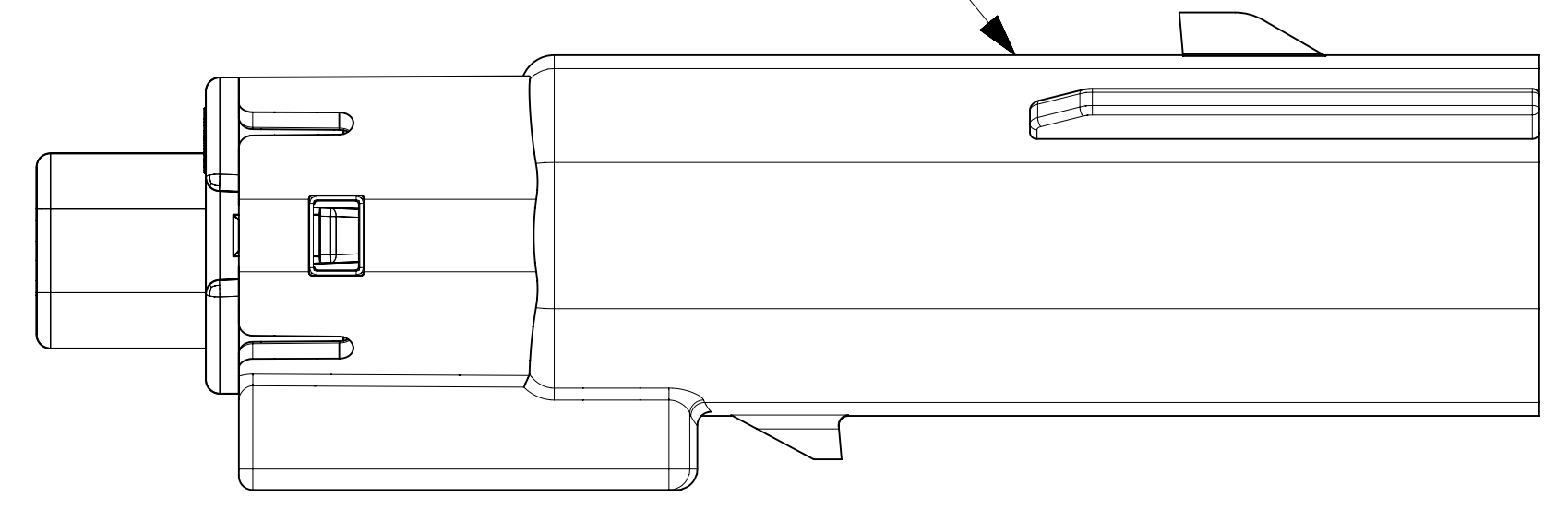


KEY D

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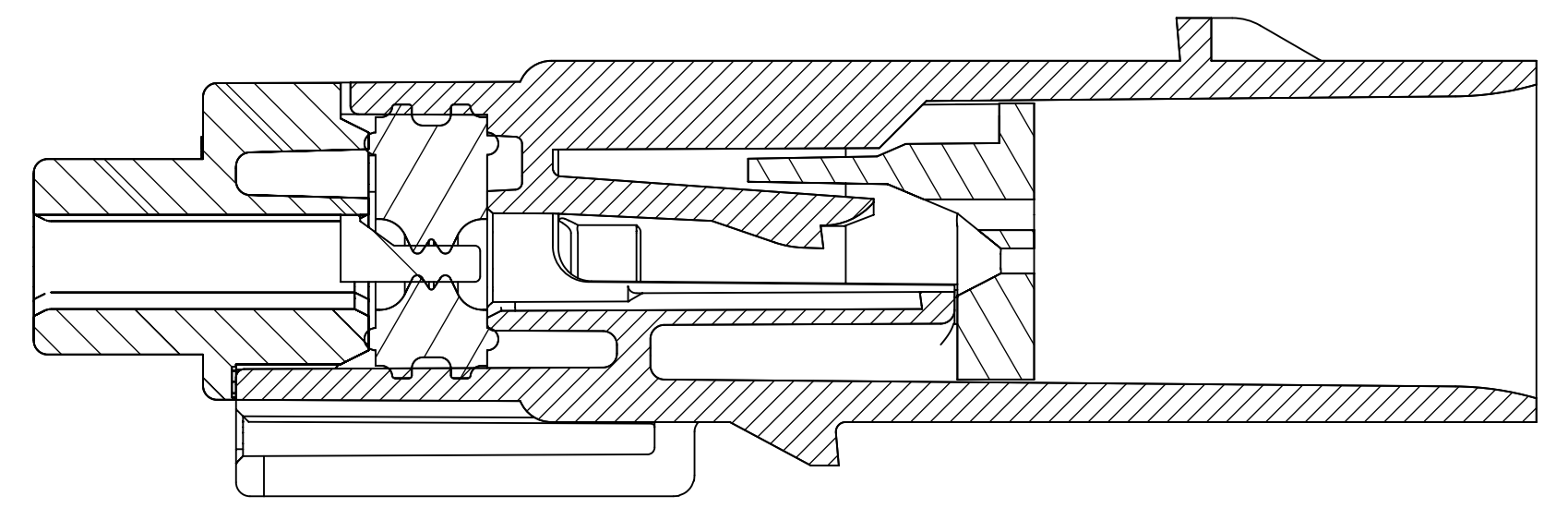
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		MM		INCH											
4 PLACES		±		±		DRWN: MKP 2020/08/10									
3 PLACES		±		±		CHK'D: MJMITCHELL 2020/09/21									
2 PLACES		±		0.1		APPR: MJMITCHELL 2020/09/21									
1 PLACE		±		0.3		INITIAL REVISION:									
0 PLACES		±		±		DRWN: DMARCOUX 06-12-02									
ANGULAR TOL		±		3.0 °		APPR: FHOLUB 06-12-02									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		33481		SEE BOM		GENERAL MARKET		2 OF 7	

LASER MARKING THIS SURFACE
SEE NOTE 3g.



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

SECTION Z-Z



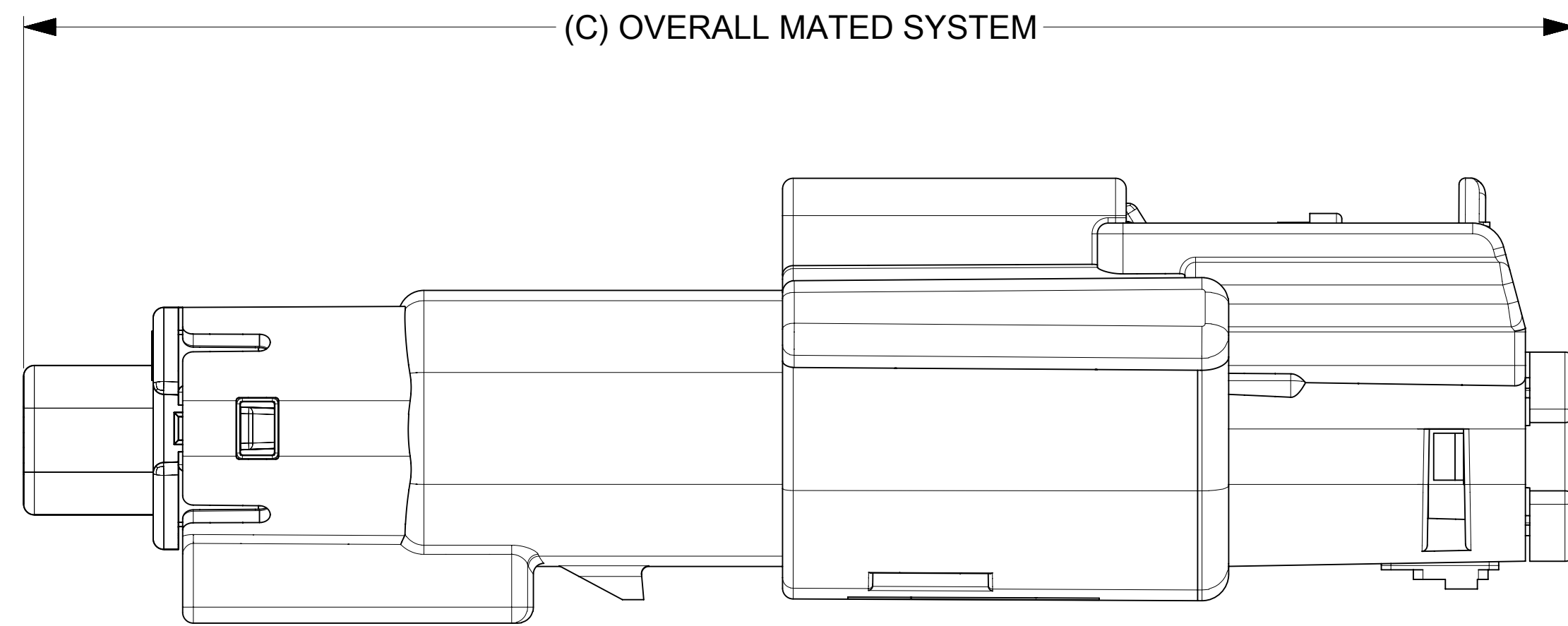
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

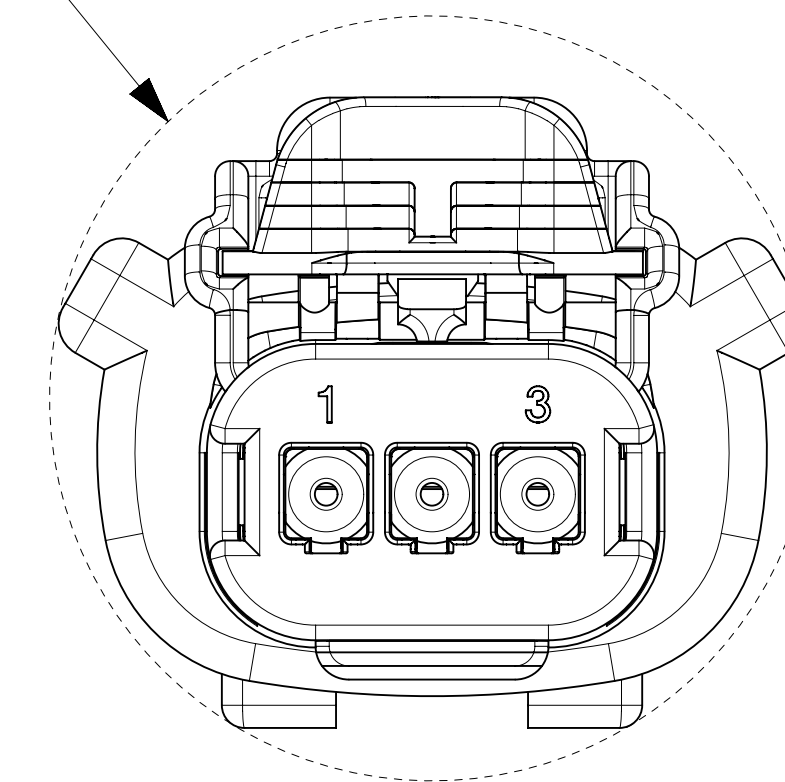
CHARTED DIMENSIONS	
CONFIGURATION	
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	A 53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RIBBER BOOT CONFIGURATION	57.85

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: SEE REVISION TABLE	
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GENERAL TOLERANCES (UNLESS SPECIFIED)			
	MM	INCH	
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3 PLACES	±	±	
2 PLACES	± 0.1	±	
1 PLACE	± 0.3	±	
0 PLACES	±	±	
ANGULAR TOL	± 3.0°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	
		DRAWING	SERIES
		D-SIZE	33481
		MATERIAL NUMBER	CUSTOMER
		SEE BOM	GENERAL MARKET
		DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
		SD-33481-031	PSD 001 R5
		SHEET NUMBER	
			3 OF 7



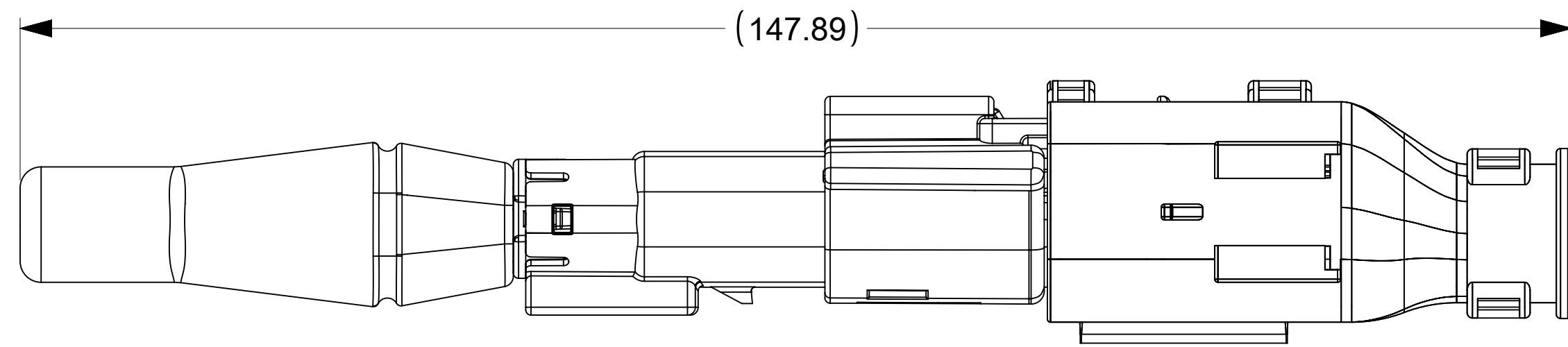
Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



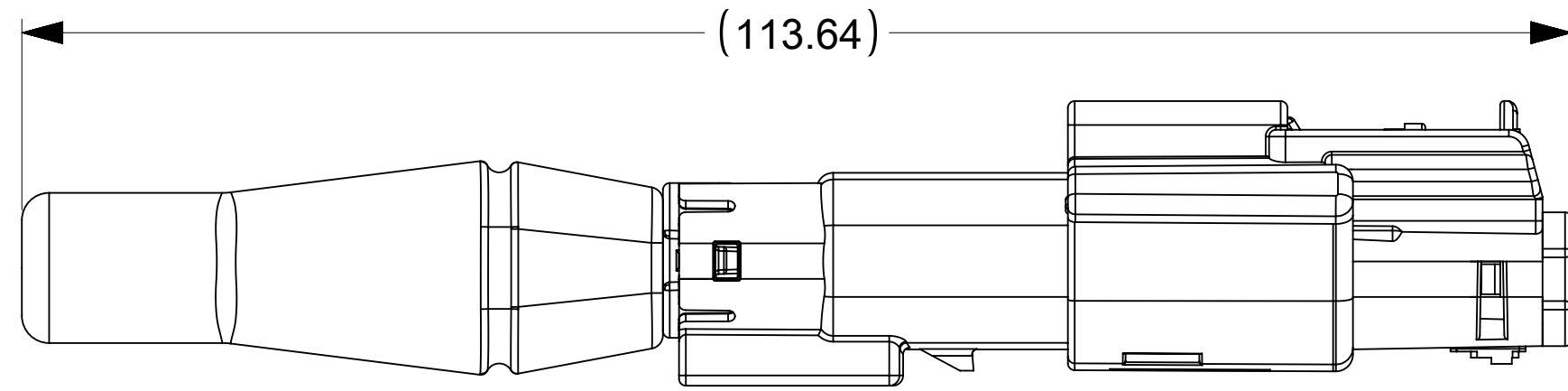
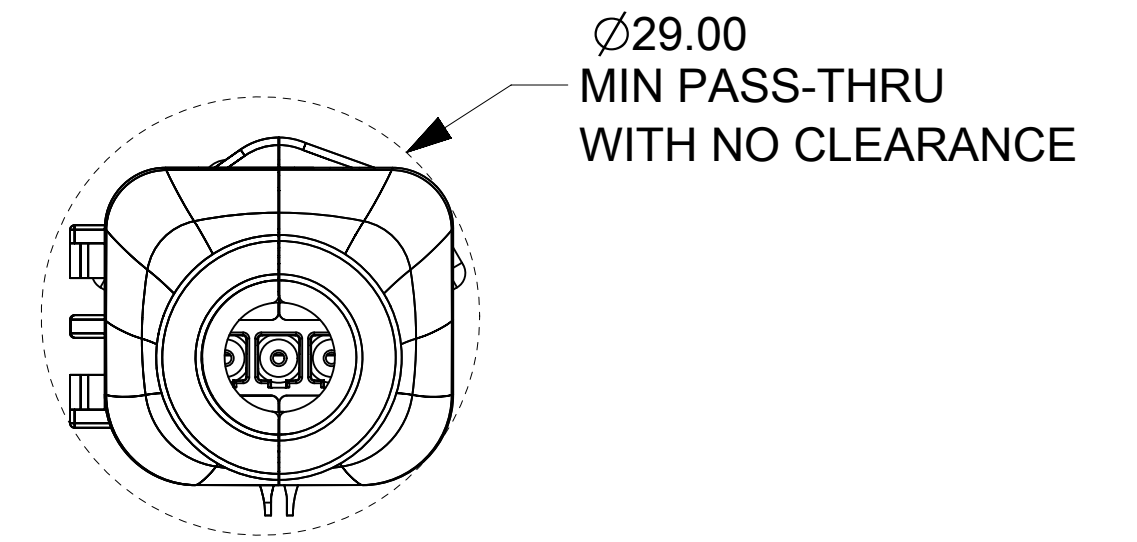
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RIBBER BOOT CONFIGURATION	57.85

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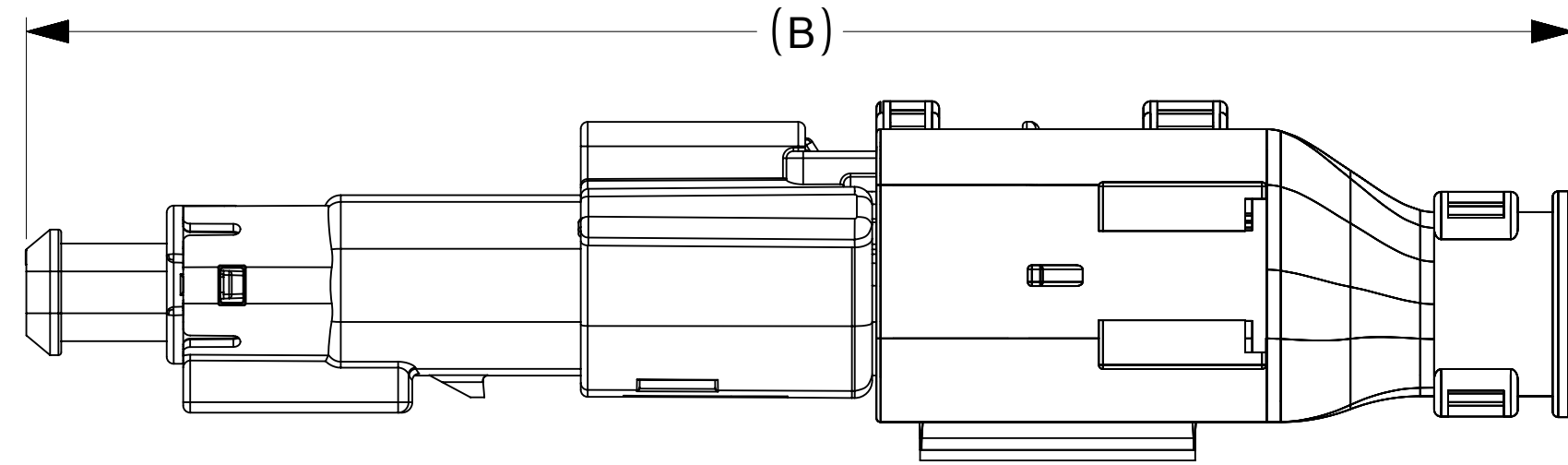
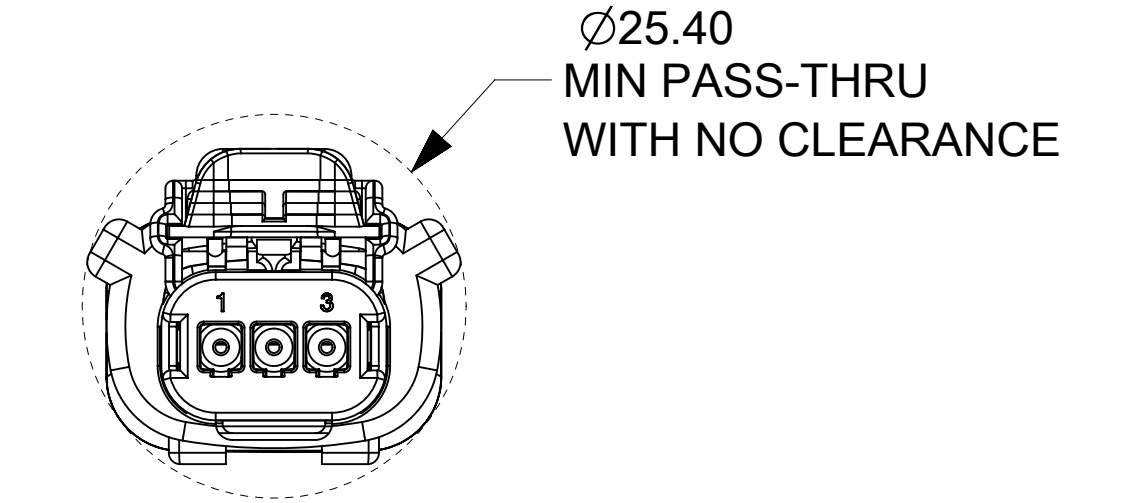
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	MM	INCH	DRWN: MKP	2020/08/10	PRODUCT CUSTOMER DRAWING			
4 PLACES	±	±	CHK'D: MJMITCHELL	2020/09/21	DOCUMENT NUMBER			
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1 PLACE	±	0.3	DRWN: DMARCOUX	06-12-02	REVISION			
0 PLACES	±	±	APPR: FHOLUB	06-12-02	SD-33481-031			
ANGULAR TOL	±	3.0 °	THIRD ANGLE PROJECTION		PSD	001	R5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
		D-SIZE		33481	SEE BOM	GENERAL MARKET	4 OF 7	



OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL

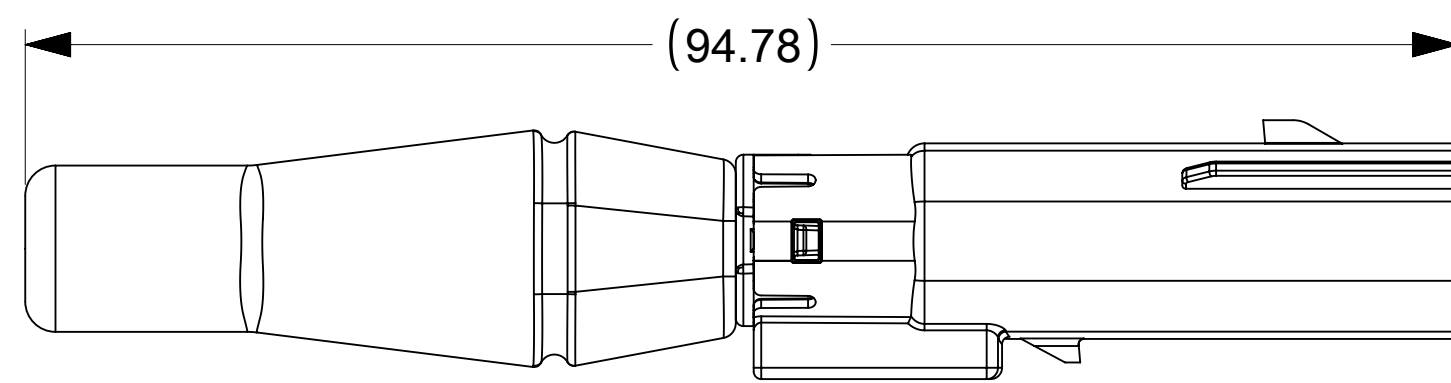
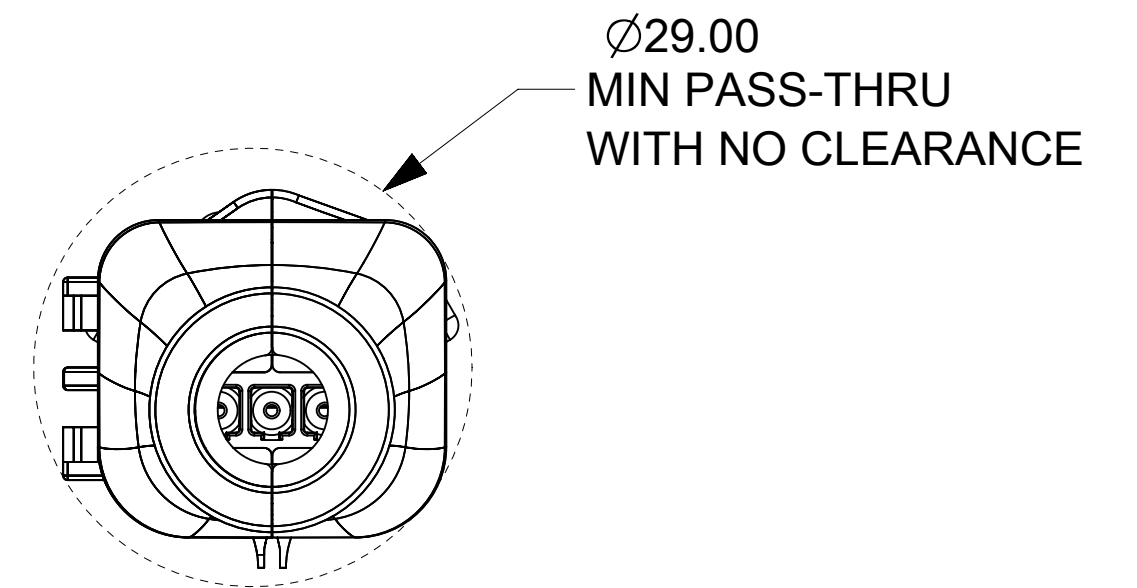


OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT

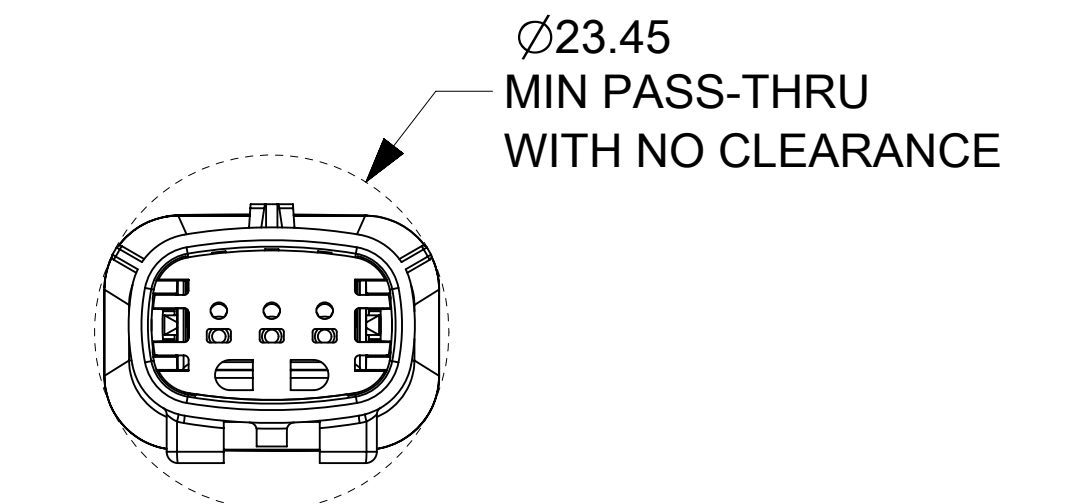


OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

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



BLADE SEALED ASSEMBLY WITH BLADE RUBBER BOOT



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DIMENSION UNITS mm	SCALE 2:1	CURRENT REV DESC: SEE REVISION TABLE		molex								
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4 PLACES ±		±	±	CHK'D: MJMITCHELL		2020/09/21		DOCUMENT NUMBER				
3 PLACES ±		±	±	APPR: MJMITCHELL		2020/09/21		SD-33481-031		DOC TYPE	DOC PART	REVISION
2 PLACES ± 0.1		±	±	INITIAL REVISION:				PSD		001	R5	
1 PLACE ± 0.3		±	±	DRWN: DMARCOUX		06-12-02						
0 PLACES ±		±	±	APPR: FHOLUB		06-12-02						
ANGULAR TOL ± 3.0°				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
				D-SIZE		33481		SEE BOM		GENERAL MARKET		5 OF 7


R5

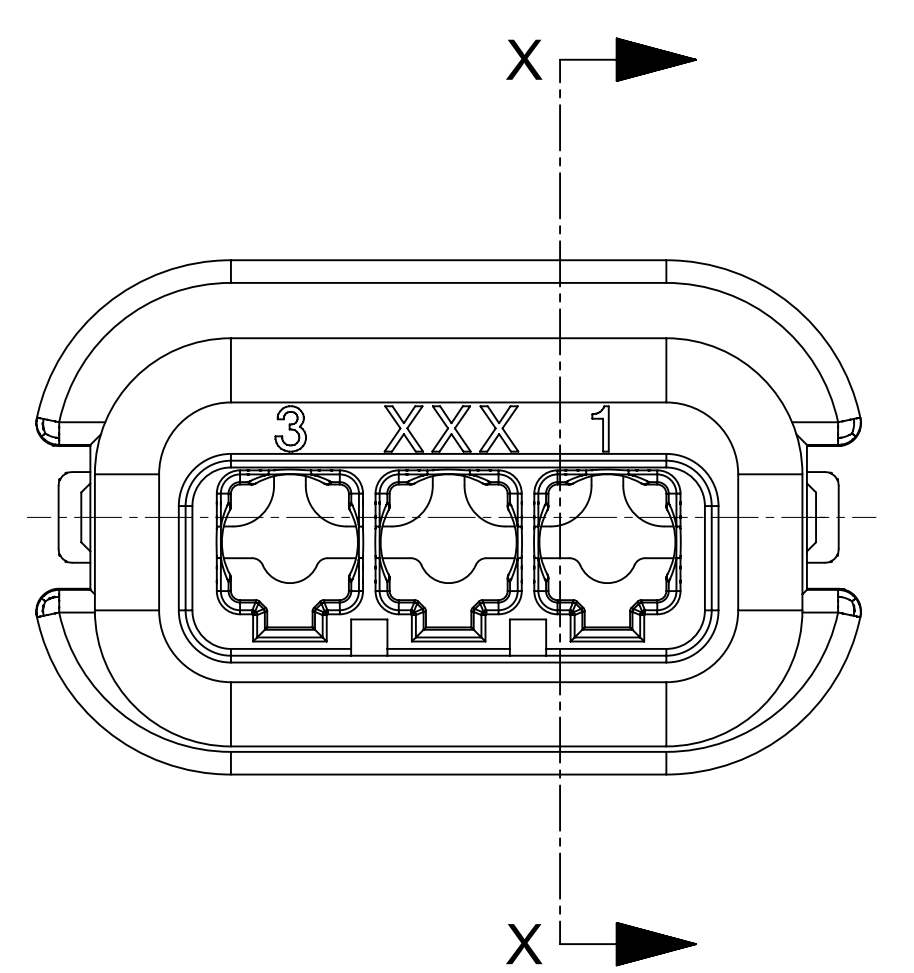
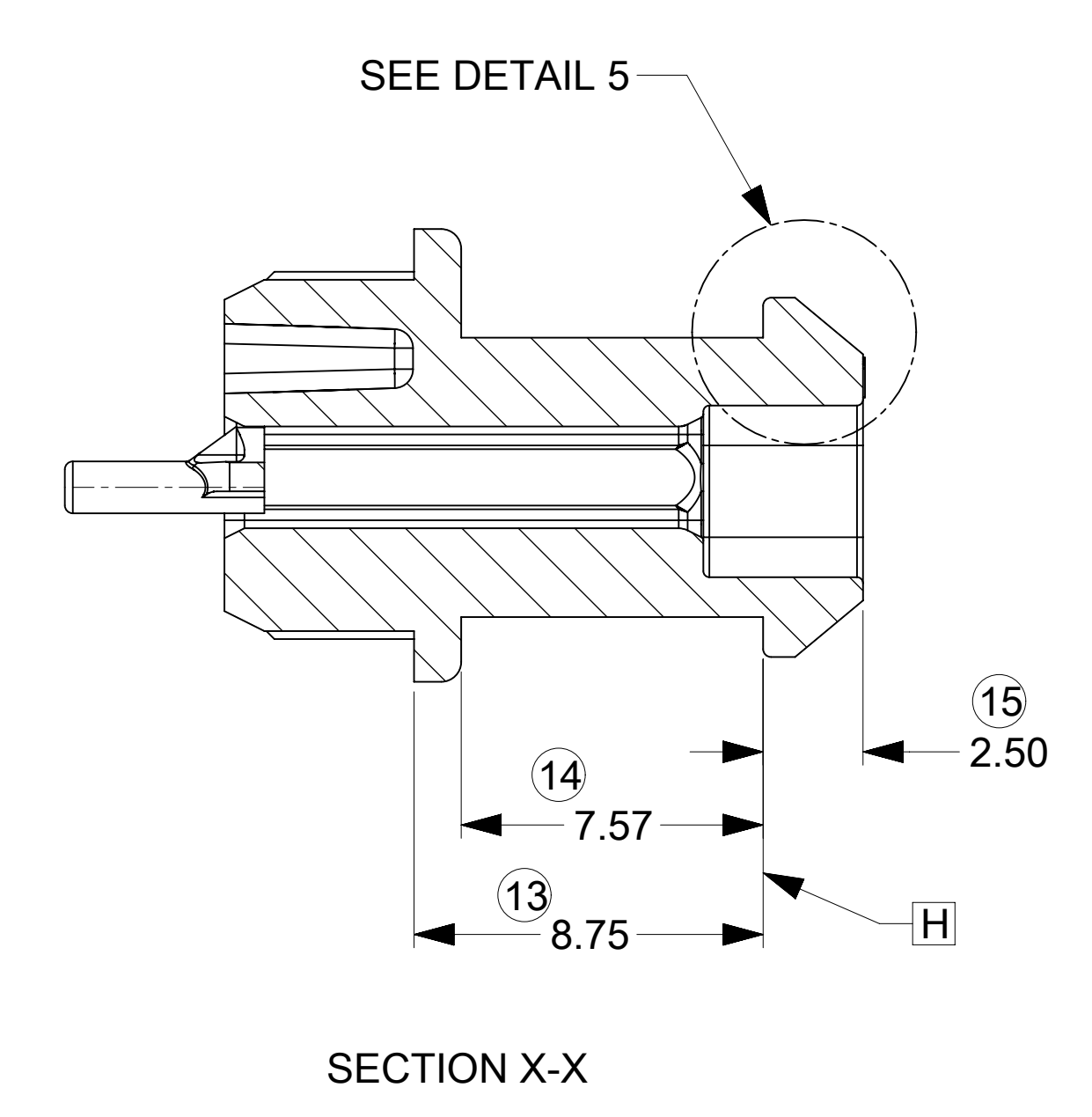
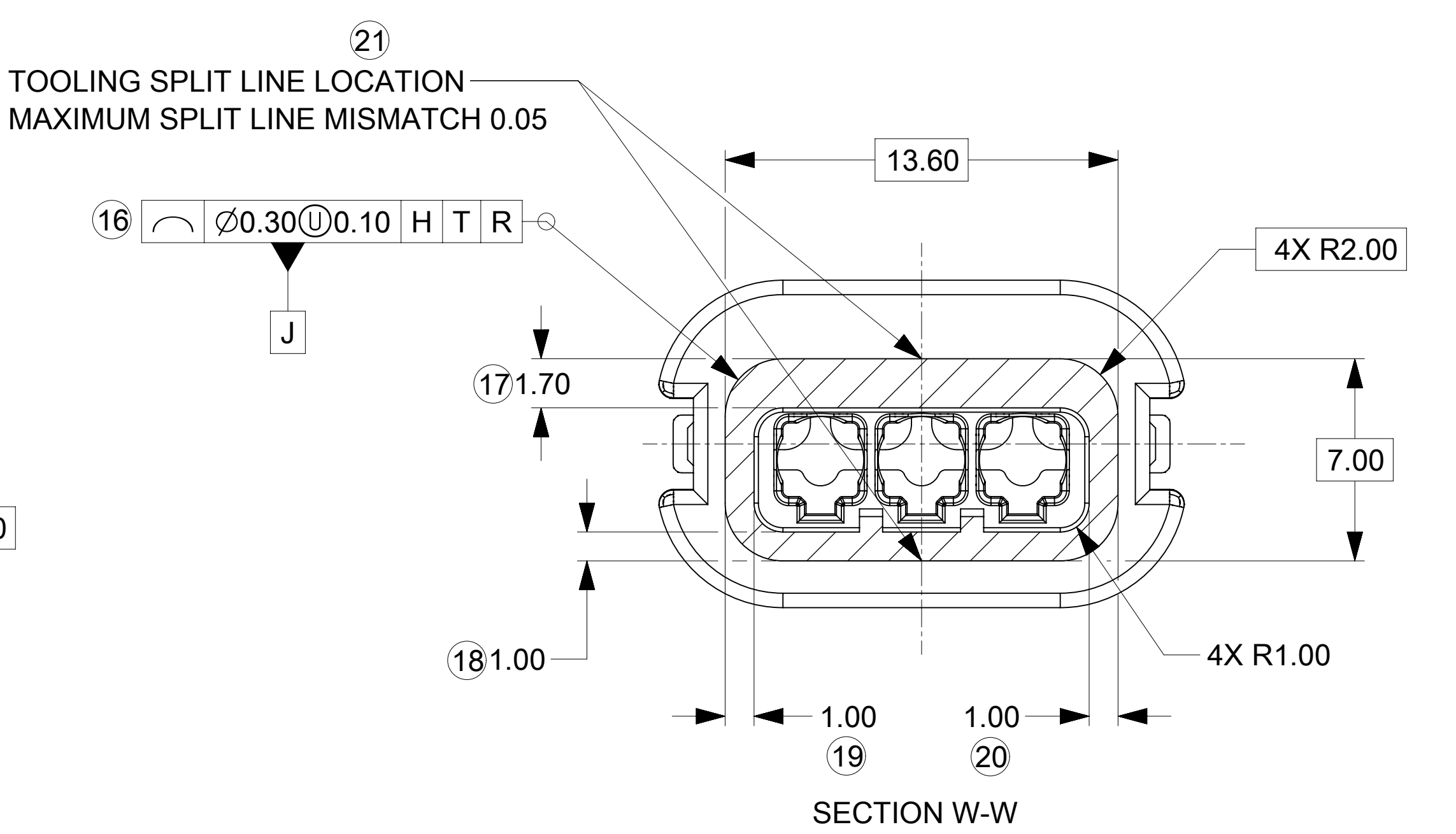
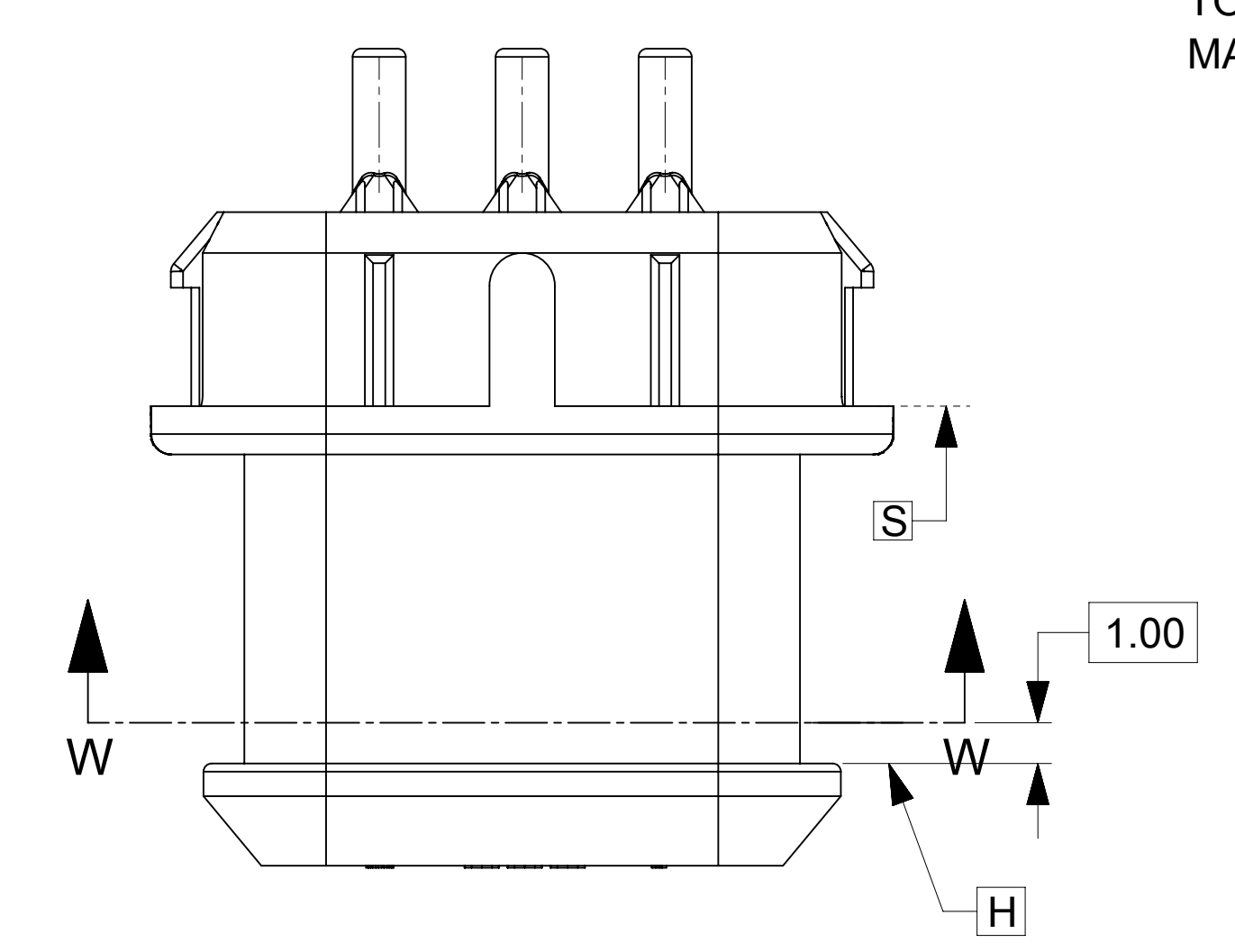
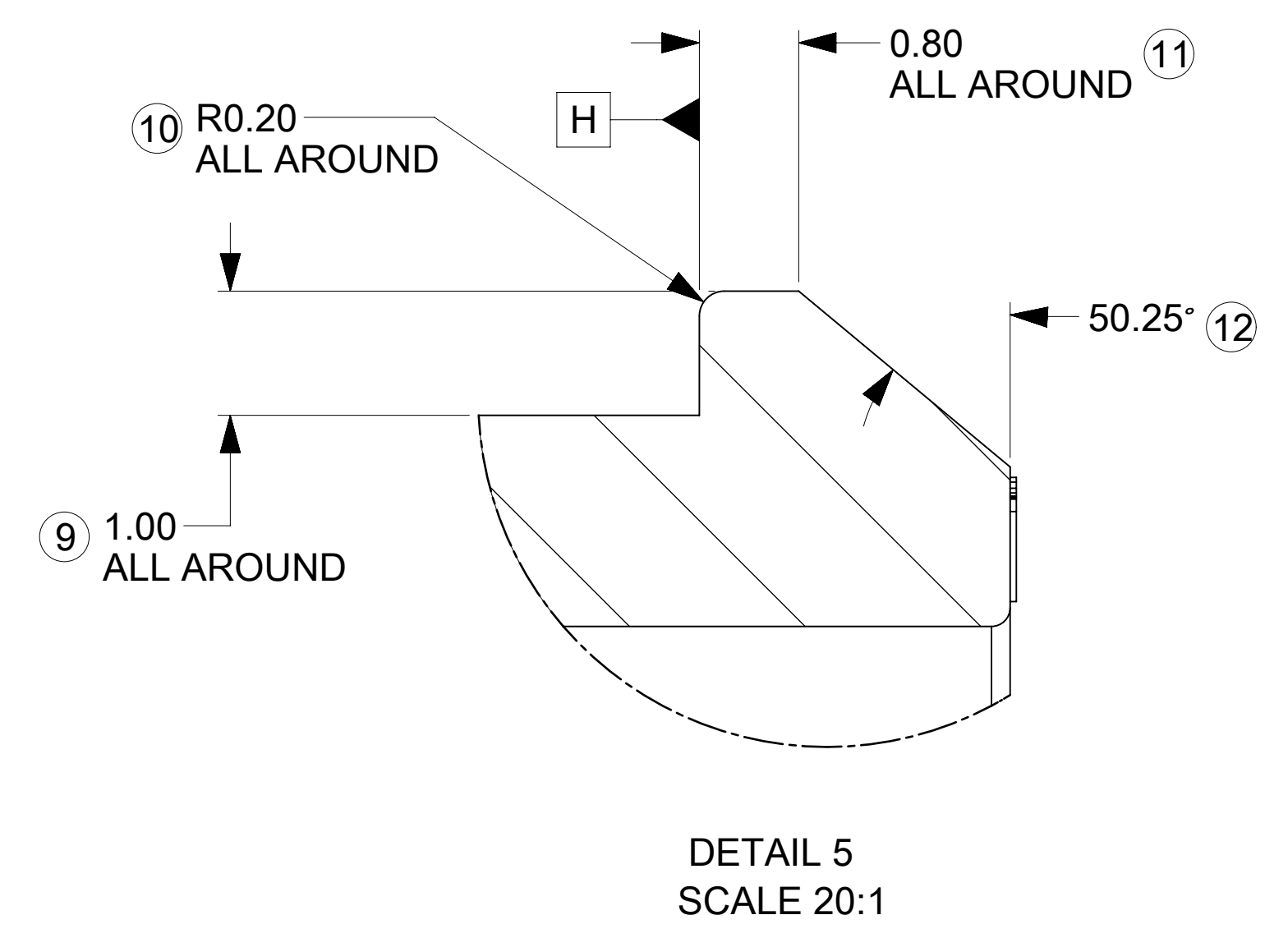
ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			STATUS	COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3			
			33481-0301	BLACK	A			
33481-0302	LT.GRAY	B				NOT RECOMMENDED		NOT AVAILABLE
33481-0303	BROWN	C				NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0322	NOT AVAILABLE
33481-0304	GREEN	D				NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0323	NOT AVAILABLE
33481-0305	CUSTOM	TBD				PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0306	BLACK	A			X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0307	LT.GRAY	B			X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0308	BROWN	C			X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0309	GREEN	D			X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0310	CUSTOM	TBD			X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0311	BLACK	A	X		X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0312	LT.GRAY	B	X		X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0313	BROWN	C	X		X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0314	GREEN	D	X		X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0315	CUSTOM	TBD	X		X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0316	BLACK	A	X	X	X	NOT RECOMMENDED		NOT AVAILABLE
33481-0317	LT.GRAY	B	X	X	X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0318	BROWN	C	X	X	X	NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0324	NOT AVAILABLE
33481-0319	GREEN	D	X	X	X	NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0325	NOT AVAILABLE
33481-0320	CUSTOM	TBD	X	X	X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0321	BLACK	A		X		NOT RECOMMENDED		NOT AVAILABLE
33481-0322	DK.GRAY	C				PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0323	ST.GRAY	D				PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0324	DK.GRAY	C	X	X	X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0325	ST.GRAY	D	X	X	X	PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0330	YELLOW	A				PLANNED OBSOLESCENCE		NOT AVAILABLE
33481-0340	BLACK	A				NOT RECOMMENDED	RUBBER BOOT CONFIGURATION	P/N TBD
33481-0341	BLACK	A	X	X	X	PLANNED OBSOLESCENCE	RUBBER BOOT CONFIGURATION	P/N TBD

R5

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			STATUS	COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3			
			33481-3301	BLACK	A			
33481-3302	LT.GRAY	B				SALEABLE		AVAILABLE
33481-3303	BROWN	C				NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0322	NOT AVAILABLE
33481-3304	GREEN	D				NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0323	NOT AVAILABLE
33481-3305	CUSTOM	TBD				SALEABLE		AVAILABLE
33481-3306	BLACK	A			X	SALEABLE		AVAILABLE
33481-3307	LT.GRAY	B			X	SALEABLE		AVAILABLE
33481-3308	BROWN	C			X	SALEABLE		AVAILABLE
33481-3309	GREEN	D			X	SALEABLE		AVAILABLE
33481-3310	CUSTOM	TBD			X	SALEABLE		AVAILABLE
33481-3311	BLACK	A	X		X	SALEABLE		AVAILABLE
33481-3312	LT.GRAY	B	X		X	SALEABLE		AVAILABLE
33481-3313	BROWN	C	X		X	SALEABLE		AVAILABLE
33481-3314	GREEN	D	X		X	SALEABLE		AVAILABLE
33481-3315	CUSTOM	TBD	X		X	SALEABLE		AVAILABLE
33481-3316	BLACK	A	X	X	X	SALEABLE		AVAILABLE
33481-3317	LT.GRAY	B	X	X	X	SALEABLE		AVAILABLE
33481-3318	BROWN	C	X	X	X	NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0324	NOT AVAILABLE
33481-3319	GREEN	D	X	X	X	NOT RECOMMENDED	NOT RECOMMENDED, SEE P/N 33481-0325	NOT AVAILABLE
33481-3320	CUSTOM	TBD	X	X	X	SALEABLE		AVAILABLE
33481-3321	BLACK	A		X		SALEABLE		AVAILABLE
33481-3322	DK.GRAY	C				SALEABLE		AVAILABLE
33481-3323	ST.GRAY	D				SALEABLE		AVAILABLE
33481-3324	DK.GRAY	C	X	X	X	SALEABLE		AVAILABLE
33481-3325	ST.GRAY	D	X	X	X	SALEABLE		AVAILABLE
33481-3330	YELLOW	A				SALEABLE		AVAILABLE
33481-3340	BLACK	A				SALEABLE	RUBBER BOOT CONFIGURATION	P/N TBD
33481-3341	BLACK	A	X	X	X	SALEABLE	RUBBER BOOT CONFIGURATION	P/N TBD

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DIMENSION UNITS mm	SCALE 1:1	CURRENT REV DESC: SEE REVISION TABLE					
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 645317 DRWN: MKP 2020/08/10 CHK'D: MJMITCHELL 2020/09/21 APPR: MJMITCHELL 2020/09/21 INITIAL REVISION: DRWN: DMARCOUX 06-12-02 APPR: FHOLUB 06-12-02	 MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL PRODUCT CUSTOMER DRAWING				
				DOCUMENT NUMBER	DOC TYPE		
4 PLACES ±	±			SD-33481-031	PSD		
3 PLACES ±	±					001	
2 PLACES ± 0.1	±						R5
1 PLACE ± 0.3	±						
0 PLACES ±	±						
ANGULAR TOL ± 3.0 °		MATERIAL NUMBER	CUSTOMER				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION					
		D-SIZE	SERIES				
		SEE BOM	33481				
		GENERAL MARKET	SHEET NUMBER				
			6 OF 7				



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
DIMENSION UNITS mm		SCALE 2:1		CURRENT REV DESC: SEE REVISION TABLE						
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL PRODUCT CUSTOMER DRAWING						
		MM	INCH							
4 PLACES	±		±							
3 PLACES	±		±							
2 PLACES	±	0.1	±							
1 PLACE	±	0.3	±							
0 PLACES	±		±							
ANGULAR TOL		± 3.0°		INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER
				D-SIZE		33481		SEE BOM		GENERAL MARKET
EC NO: 645317		DRWN: MKP		2020/08/10		SD-33481-031		PSD		001
CHK'D: MJMITCHELL		APPR: MJMITCHELL		2020/09/21						R5
DRWN: DMARCOUX		APPR: FHOLUB		06-12-02						
				06-12-02						
SHEET NUMBER		7 OF 7								