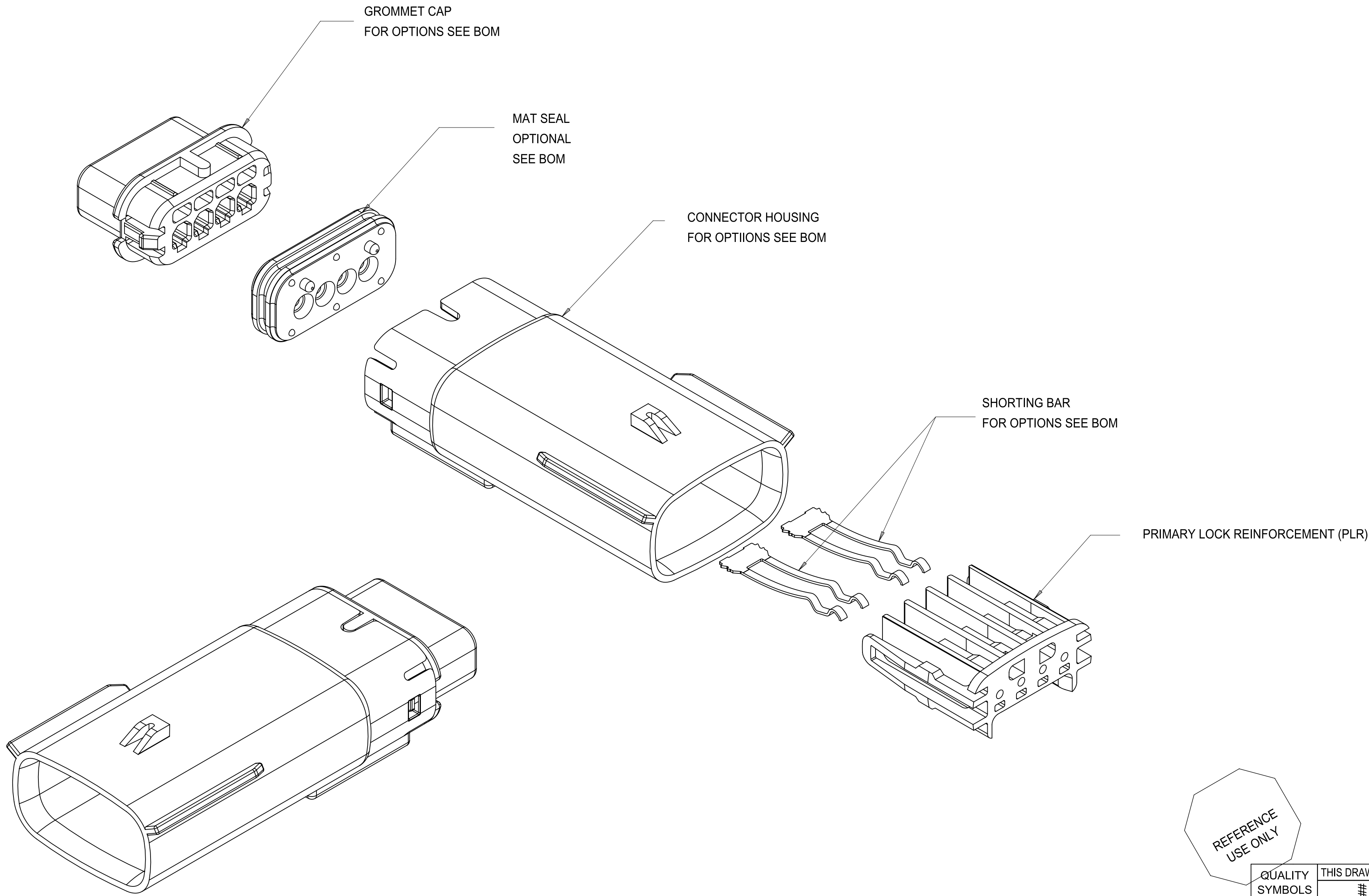


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BOM

勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>



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-33471-041. RECEPTACLE SEALED ASSEMBLY CONFIGURATION MUST CONTAIN A PLR WITH SHORTING BAR LIFTER.
-FOR 1.5mm BLADE TERMINALS TO BE USED WITH THE SHORTING BAR CIRCUIT LOCATIONS SEE MOLEX DRAWING SD-31296-001.
-SHORTING BAR TERMINALS TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.7mm TO 2.06mm.
-FOR 1.5mm BLADE TERMINALS TO BE USED WITH THE NON-SHORTING BAR CIRCUIT LOCATIONS SEE MOLEX DRAWING SD-33000-001.
-NON-SHORTING BAR TERMINALS 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)
- f. FOR INFORMATION ON 1X4 BLADE SEALED ASSEMBLY WITHOUT SHORTING BAR SEE SD-33481-041.
2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- b. MAT SEAL: INHERENTLY LUBRICATED SILICONE
- c. SHORTING BARS: STAINLESS STEEL
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

REFERENCE
USE ONLY

K3	UPDATED THE STATUS OF P/Ns ON SHEET 5 (3128004XX) TO OBSOLETE PER PCN 512135, EXCEPT 312800442 THRU 312800445 WHICH WERE MARKED SALEABLE ADDED SALEABLE STATUS OF P/Ns (3128044XX) ON SHEET 5, EXCEPT FOR 312804442 THRU 312804445 AND 312804440 WHICH WERE MARKED OBSOLETE AND FOR 312804438 THRU 312804439 WHICH WERE MARKED NOT RECOMMENDED
K2	ADDED NEW P/N 31280-4436 TO 31280-4451
K	ADDED NEW P/N 31280-0450 31280-0451
J	ADDED NEW P/N 31280-0449
H	ADDED NEW P/N 31280-0448
G	UPDATED GROMMET CAP
F1	UPDATED DIMENSIONS TO MATCH MODEL
F	REDRAWN
REV	DESCRIPTION

QUALITY 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			CHKD BY		DATE					
= 0			MDICK		2013/03/22					
= 0			APPR BY		DATE					
= 0			DRAWING SIZE		THIRD ANGLE PROJECTION					
= 0			D							
= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
= 0	K3									
			SERIES		MATERIAL NUMBER		CUSTOMER			
			31280		SEE BOM		GENERAL MARKET			
			DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
			SD-31280-200		PSD		001		1 OF 5	

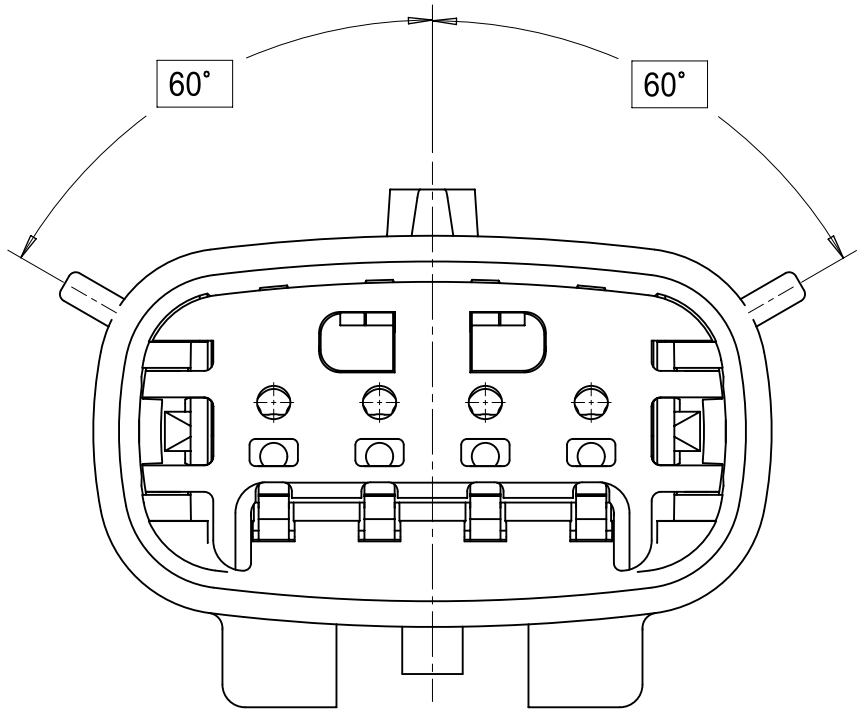
molex®

MX150 1X4 BLADE
SEALED ASSEMBLY

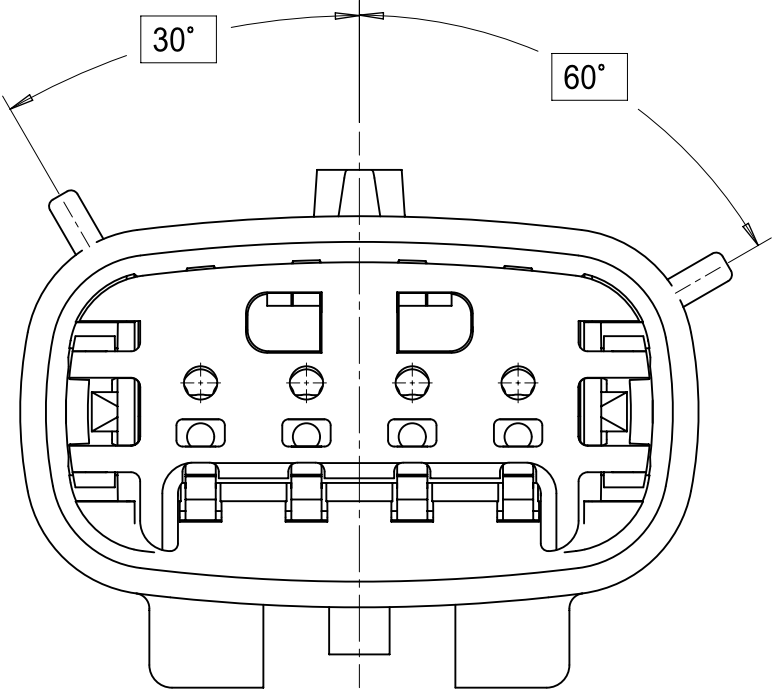
G Customer Product Dwg

SERIES: 31280 MATERIAL NUMBER: SEE BOM CUSTOMER: GENERAL MARKET

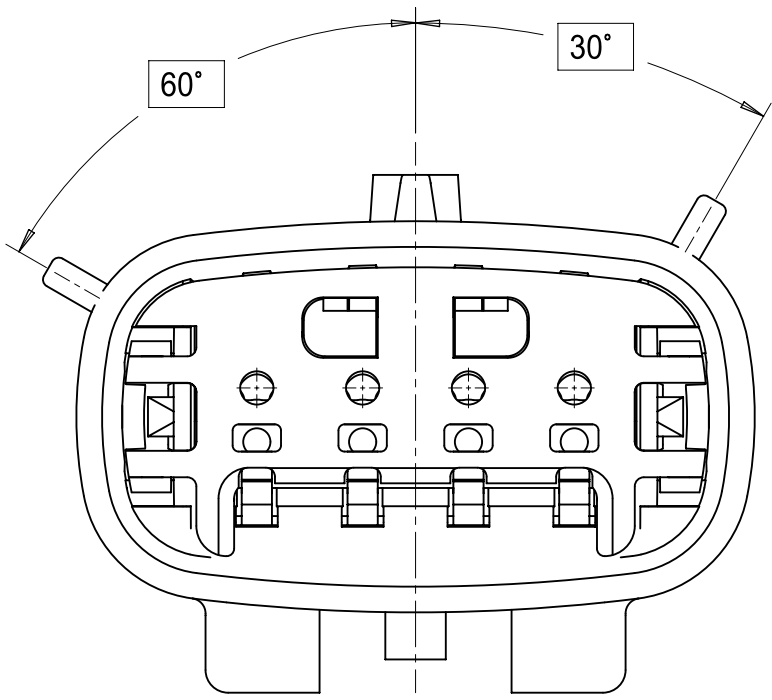
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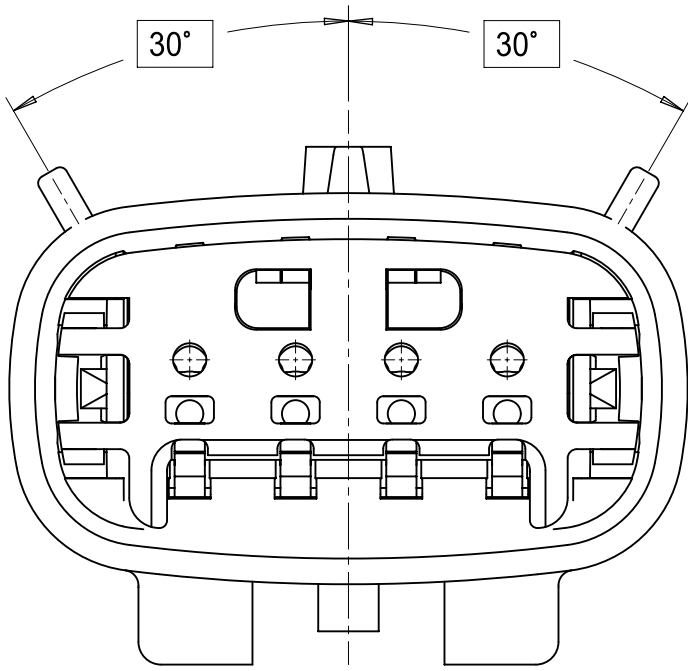
KEY A



KEY B



KEY C

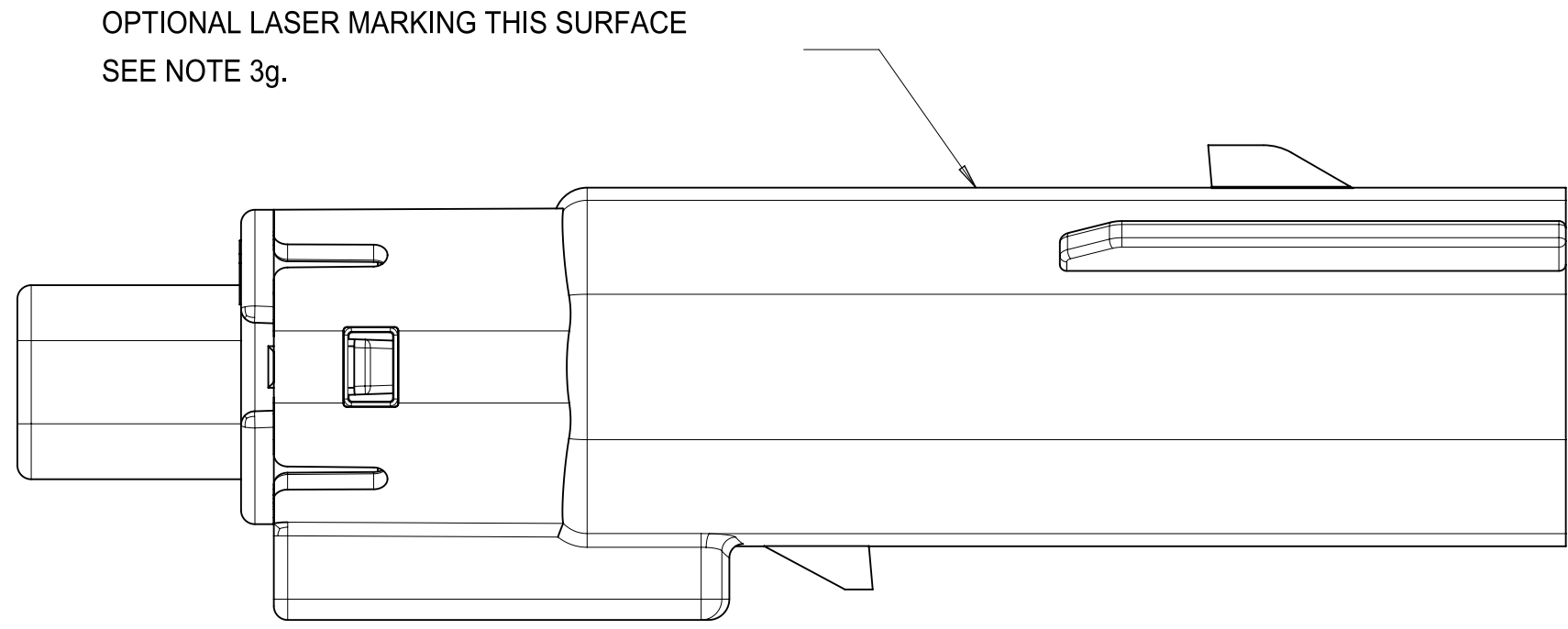
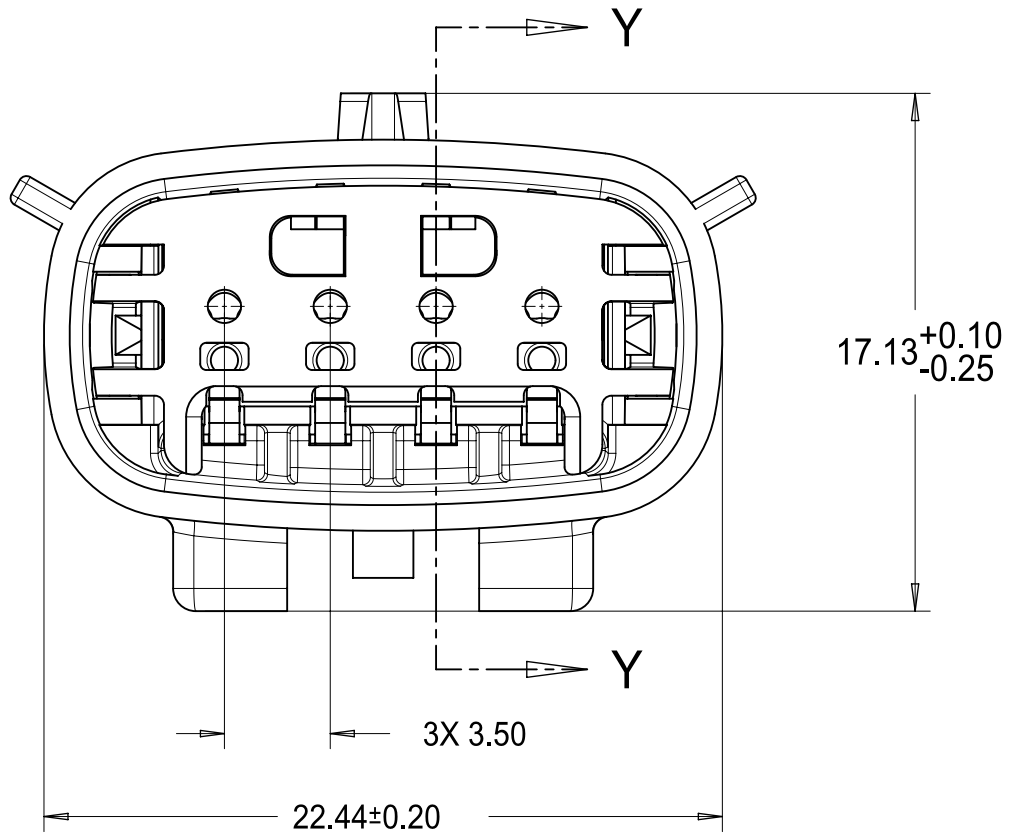
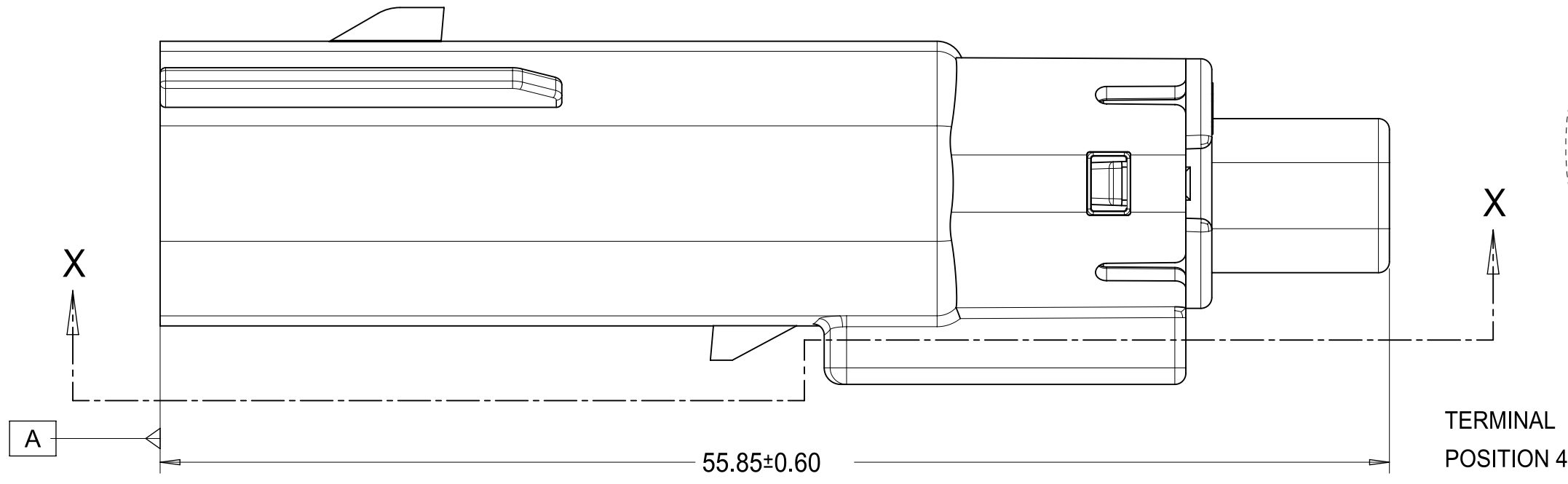
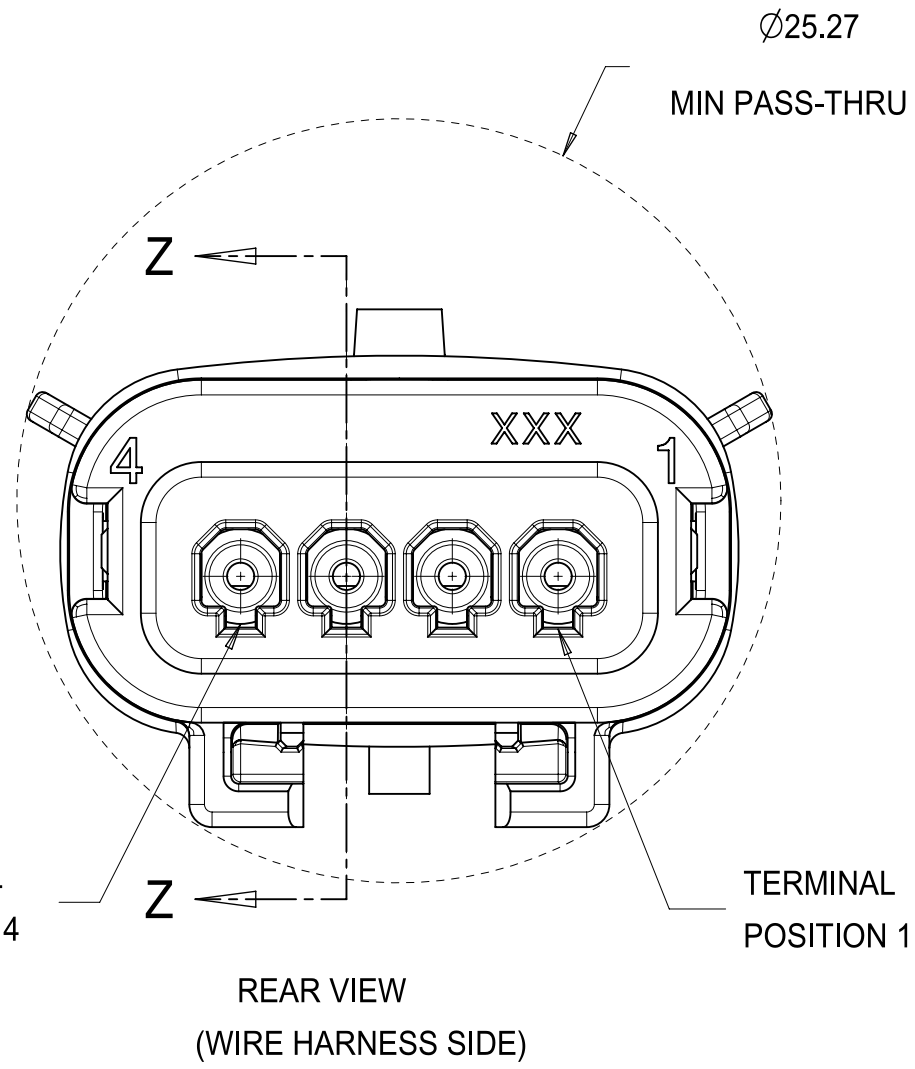
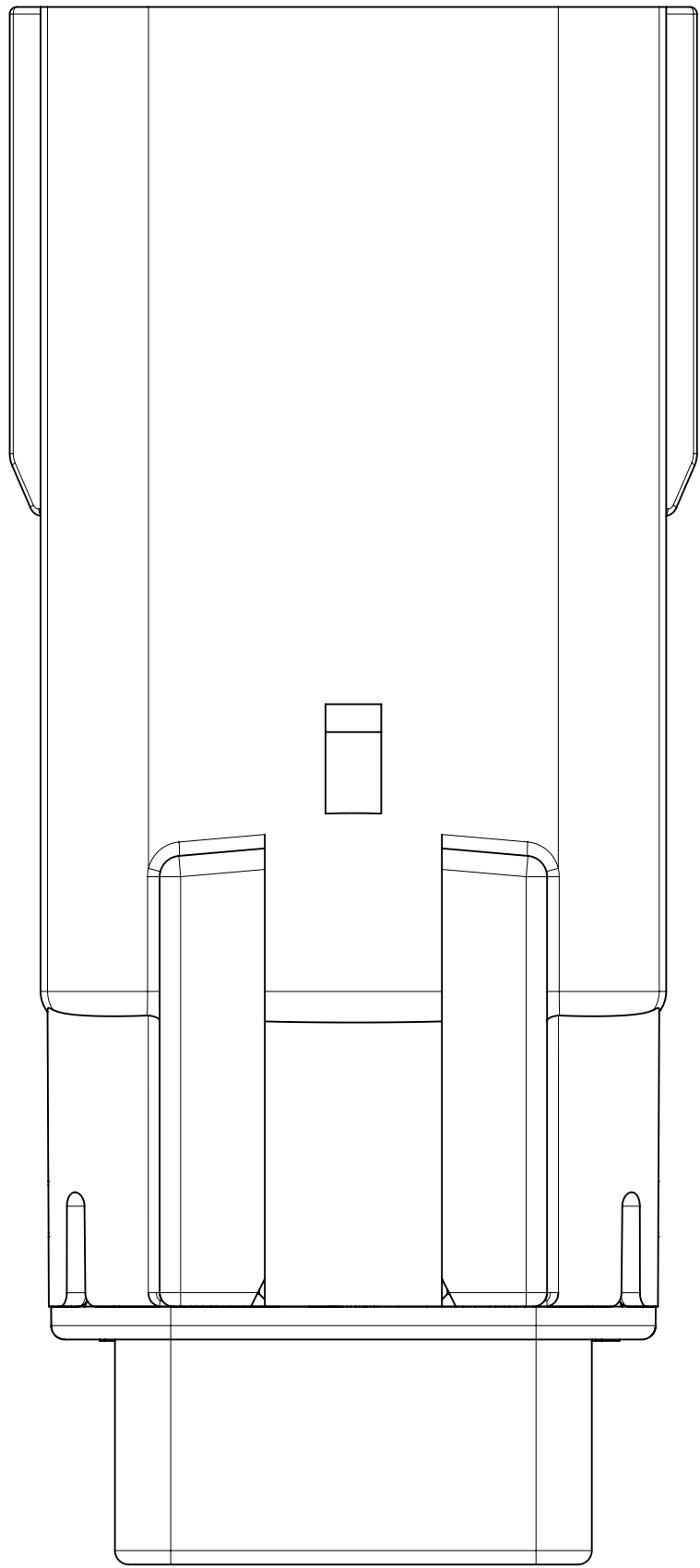
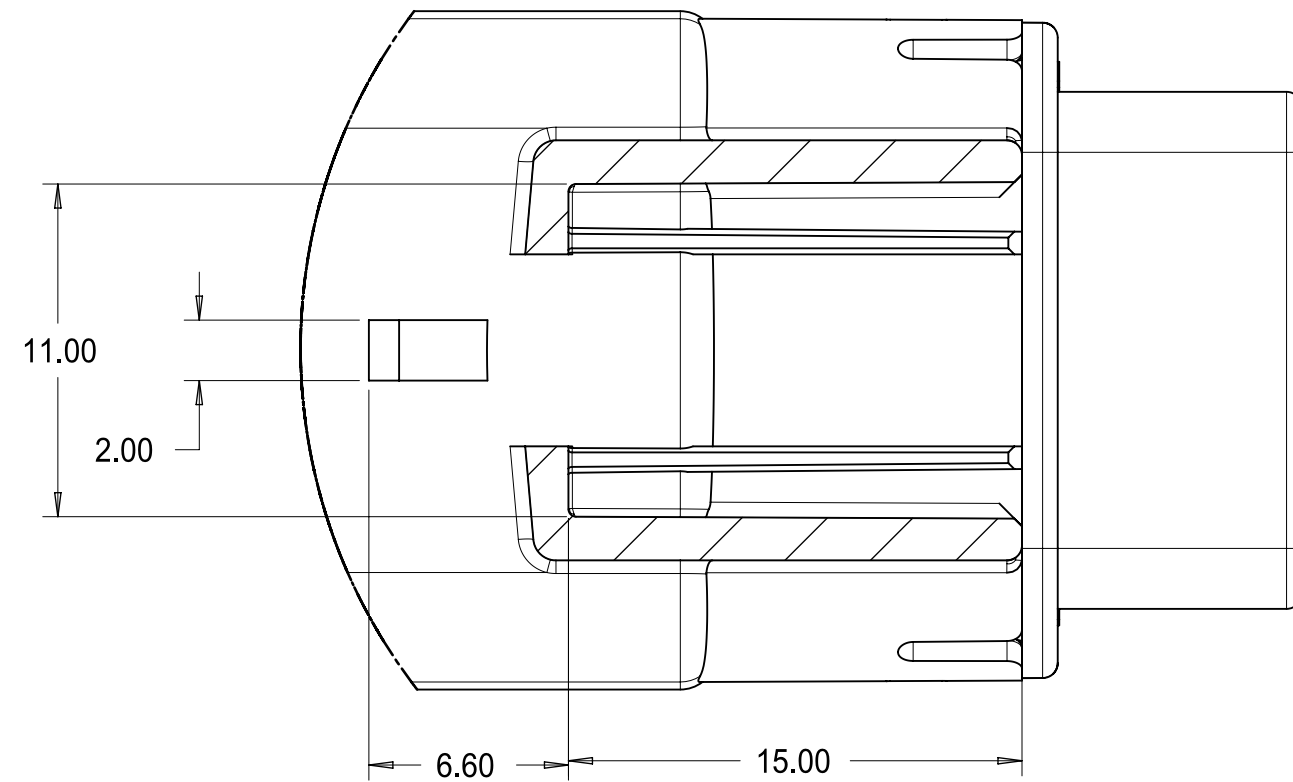


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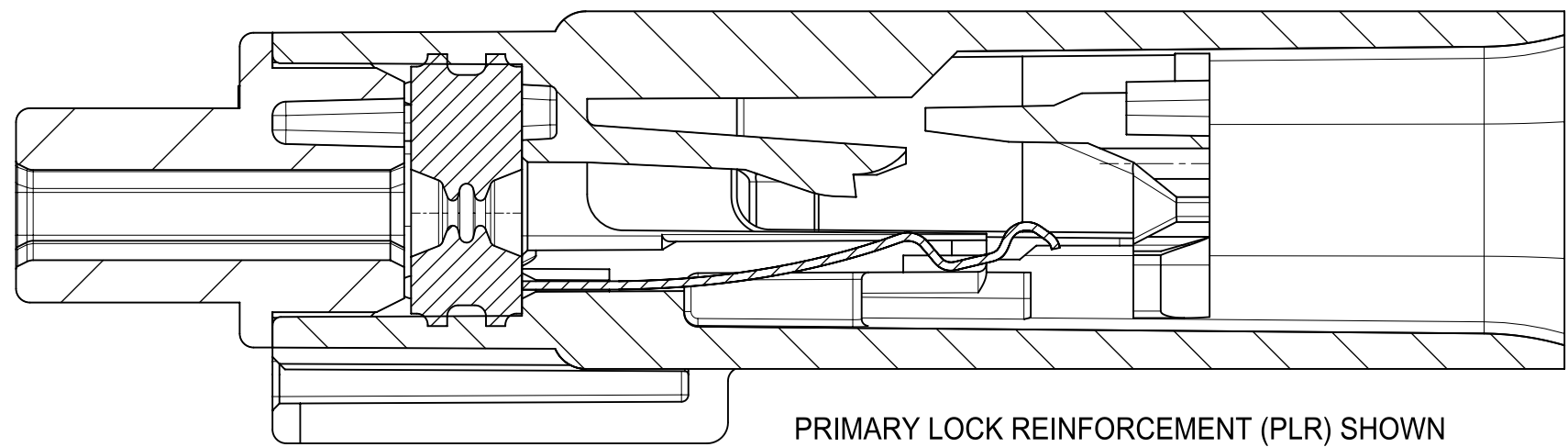
KEY CONFIGURATIONS

REFERENCE
USE ONLY

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31280		SEE BOM		GENERAL MARKET												
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SD-31280-200		PSD		001	2 OF 5											

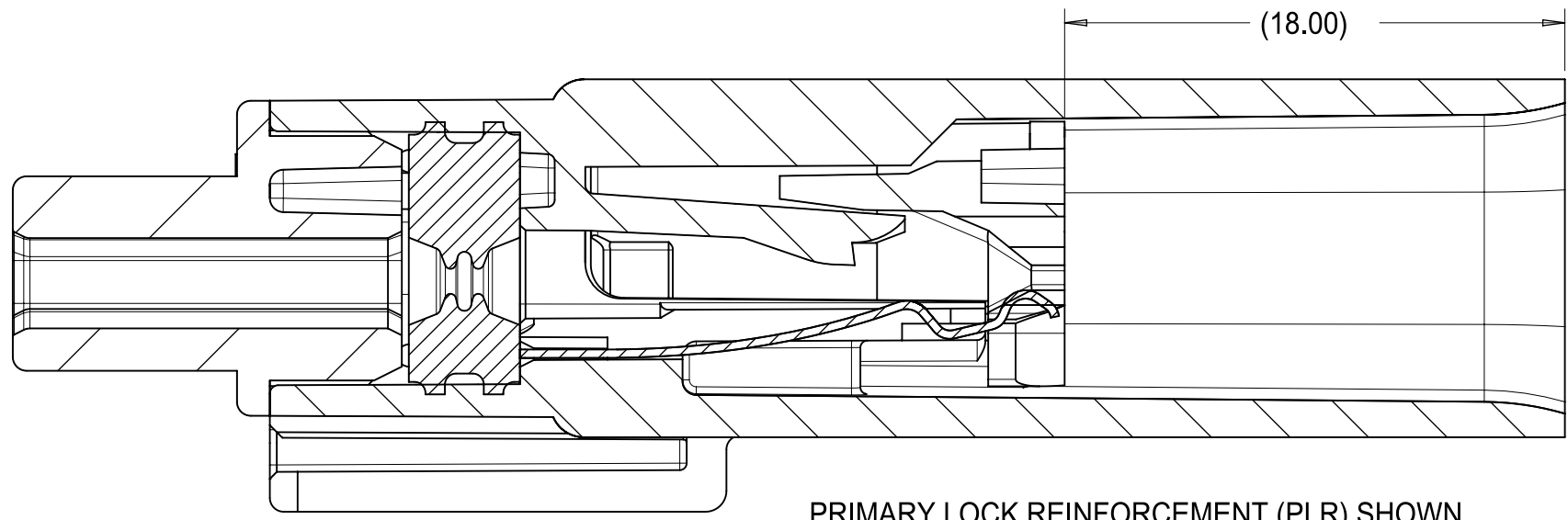


SECTIONX-X
SCALE 4:1



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

SECTION Z-Z

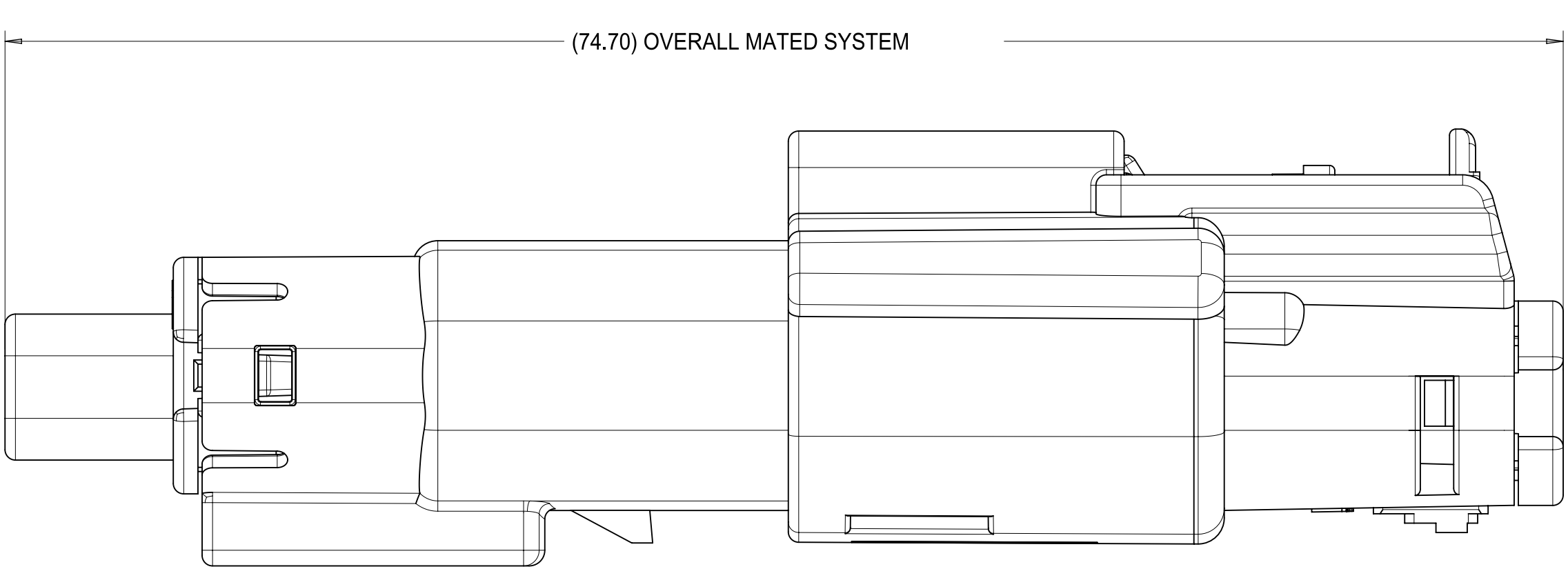
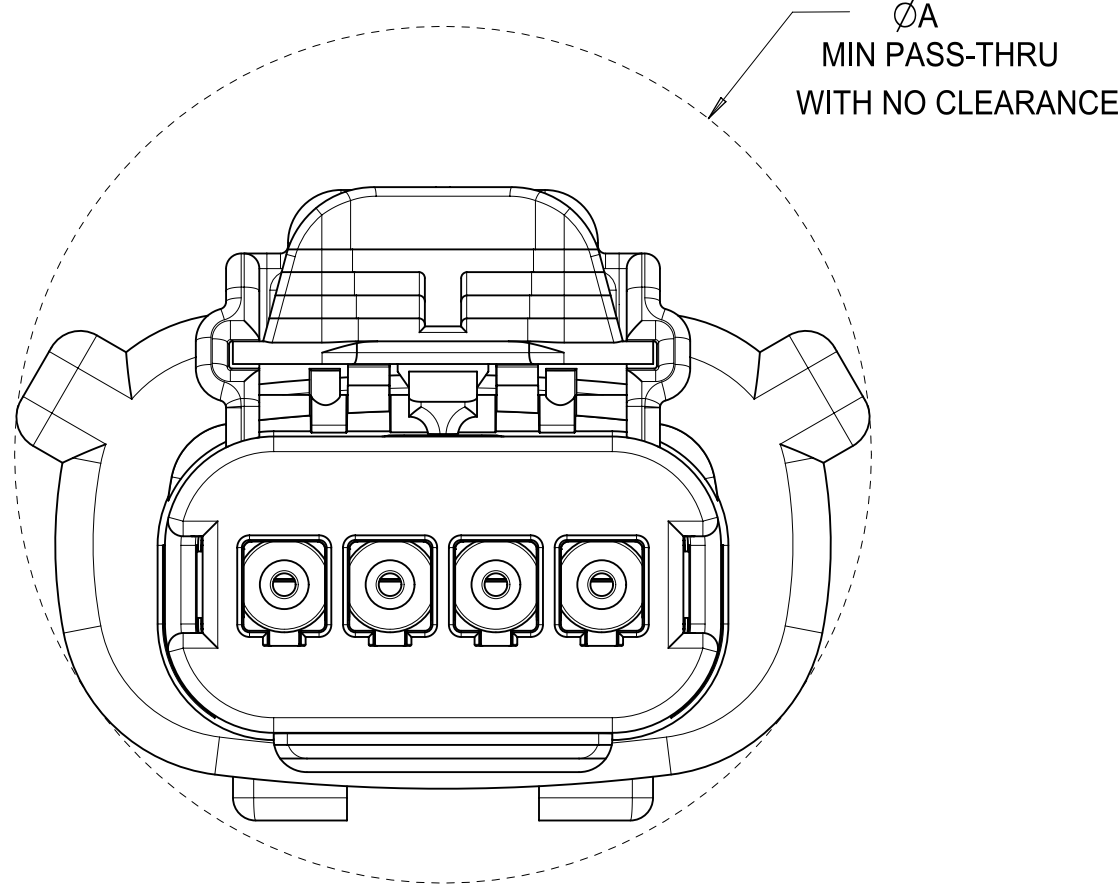


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y



QUALITY 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					APPR BY		DATE		G Customer Product Dwg					
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	= 0					D				SERIES		MATERIAL NUMBER		CUSTOMER	
	= 0									31280		SEE BOM		GENERAL MARKET	
									DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER
								SD-31280-200		PSD		001		3 OF 5	



CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X4 RECPT SEALED ASSY - STANDARD	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	29.14

REFERENCE
USE ONLY

QUALITY 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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G Customer Product Dwg		SERIES		MATERIAL NUMBER		CUSTOMER					
31280		SEE BOM		GENERAL MARKET							
DOCUMENT NUMBER		SD-31280-200		DOC TYPE		DOC PART		SHEET NUMBER		4 OF 5	
PSD		001									

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2	CONFIGURATIONS
3-4	KEY CONFIGURATIONS
5	RECEPTACLE CONNECTOR ASSEMBLY
6	BACKSHELL NOTES
7	BACKSHELL
8	BACKSHELL CONFIGURATIONS

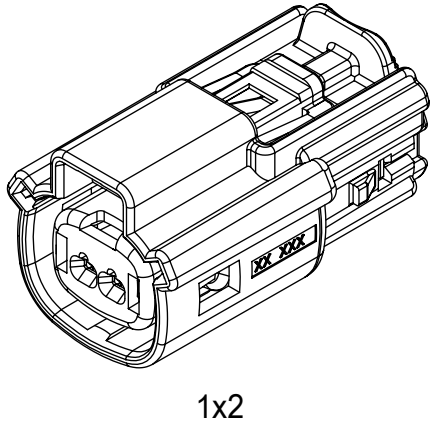
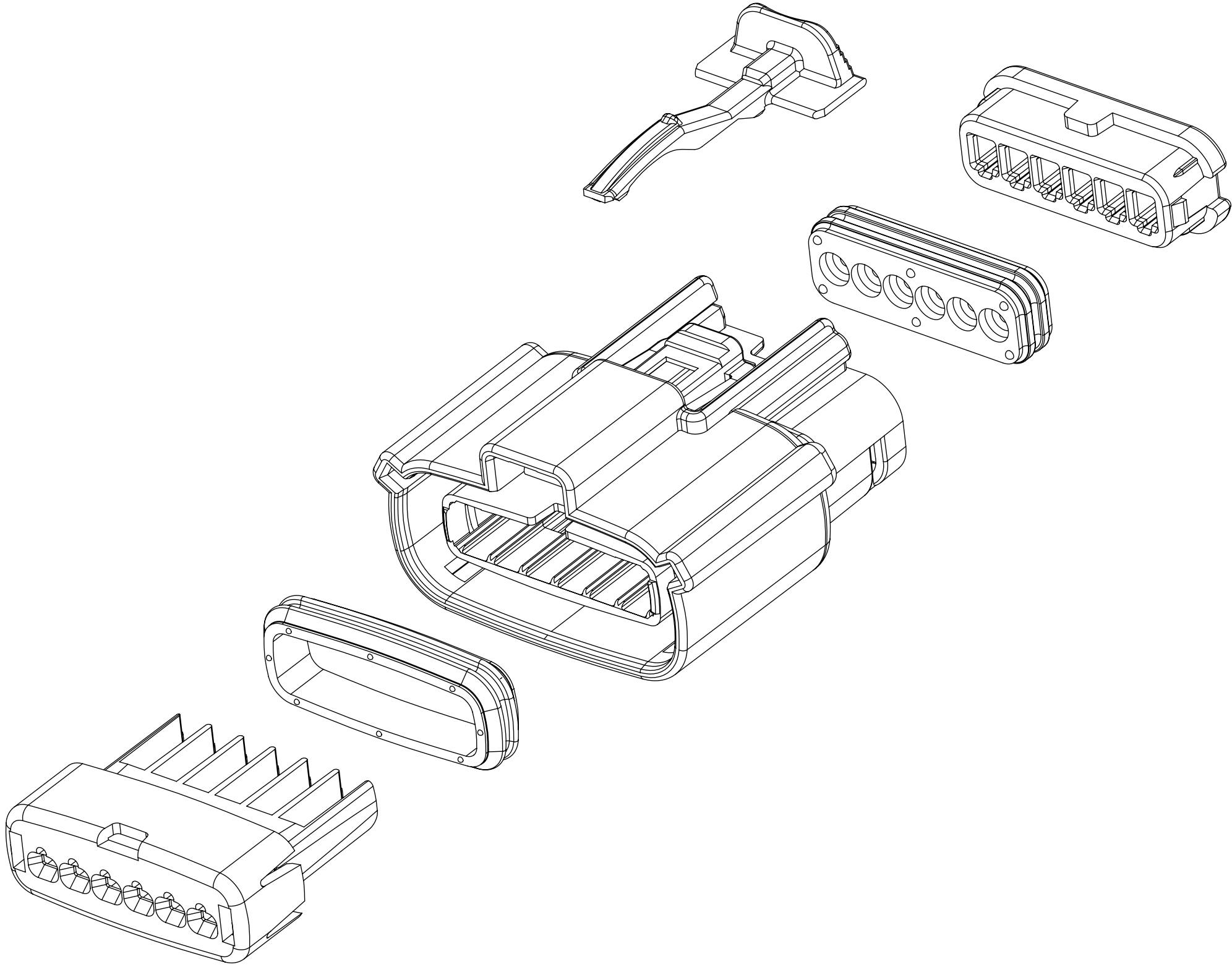
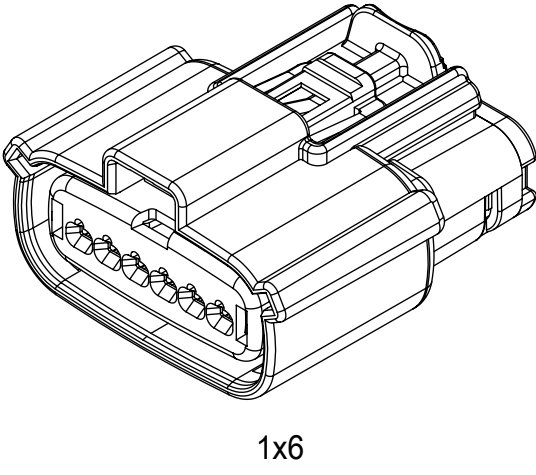
NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- DESIGNED TO MATE WITH DEVICE OR CONNECTOR AS SPECIFIED IN THE MATING INTERFACE/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: SEE PACKAGING CHART
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-301
- 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-33471-0002
- UL V0 CONFIGURATION SD-160105-0002
3. DESIGN - GEOMETRY:
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).
- g. LASER MARKING:
1. PART NUMBER
2. DAY OF THE YEAR
3. SHIFT
4. YEAR
- FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.

PACKAGING	
DESCRIPTION	DRAWING NO.
1X2	PK-31300-635
1X6	PK-31300-903

MATING INTERFACE/CONNECTOR DRAWINGS		
DESCRIPTION	INTERFACE DEFINITION	MOLEX INLINE
1X2	*150-S-002-1-Z05	SD-33481-0001
1X6	*150-S-006-1-Z03	SD-33481-0001



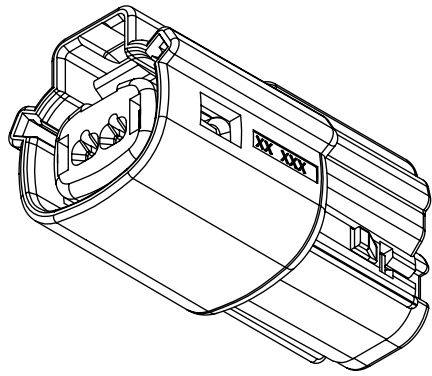
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A	MINOR GEOMETRY CHANGE FOR UL V0
2	UPDATE VIEWSETS
1	INITIAL RELEASE
REV	REV DESCRIPTION

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	4 PLACES ±												
	3 PLACES ±												
	2 PLACES ± 0.1												
	1 PLACE ± 0.2		INITIAL REVISION: DRWN: APROFFITT2015/11/04 APPR: KDEKOSHI2016/06/14			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
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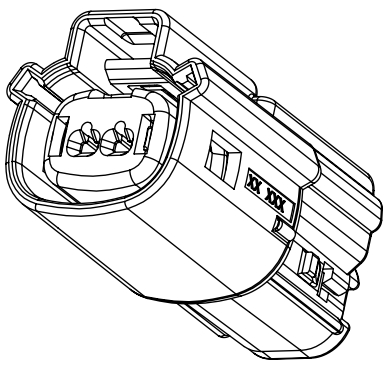
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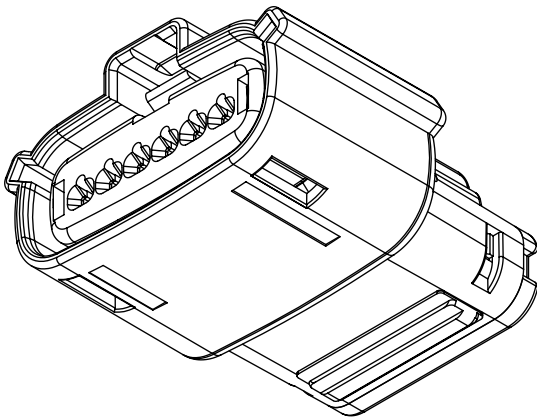
CONFIGURATIONS



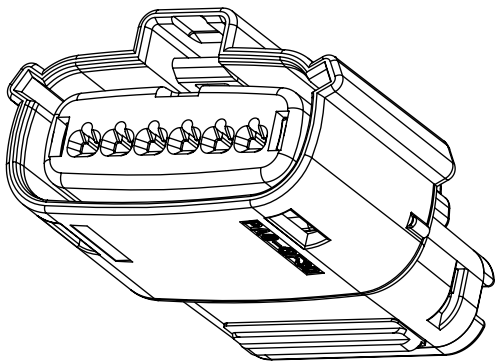
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1x2 - UL V0*



1x6 - STD



1x6 - UL V0*

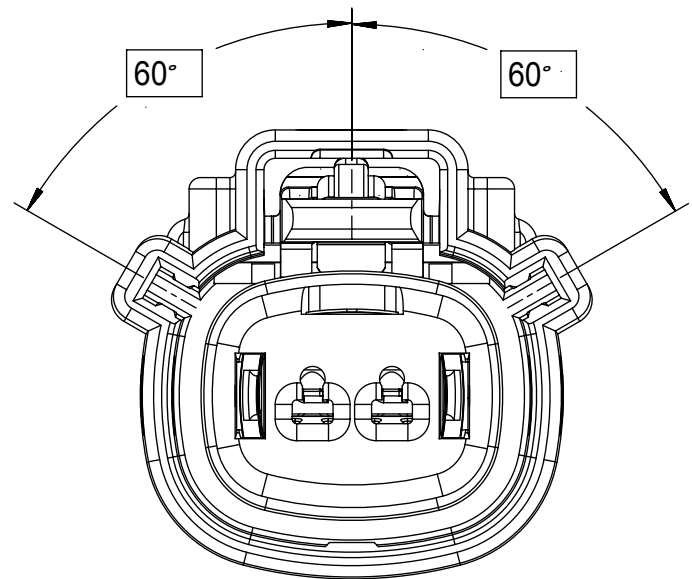
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SEE NOTES 1 & 2 FOR MORE INFORMATION

FUNCTIONAL 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 PLACES		±		INITIAL REVISION: DRWN: APROFFITT 2015/11/04 APPR: KDEKOSKI 2016/06/14																		
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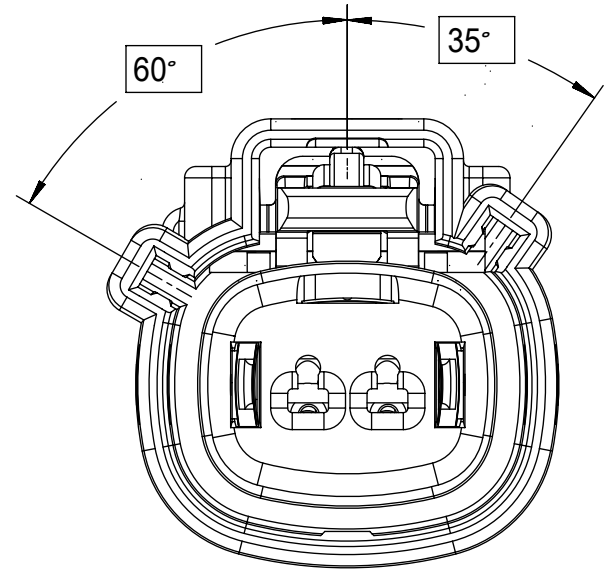
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KEY CONFIGURATIONS

KEY CONFIGURATIONS

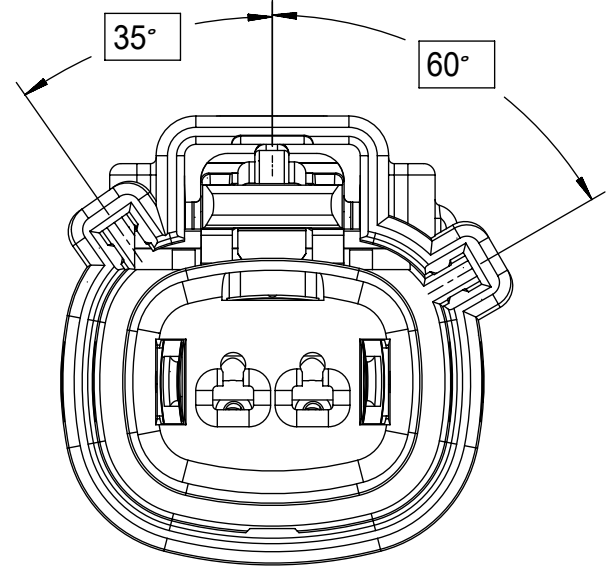
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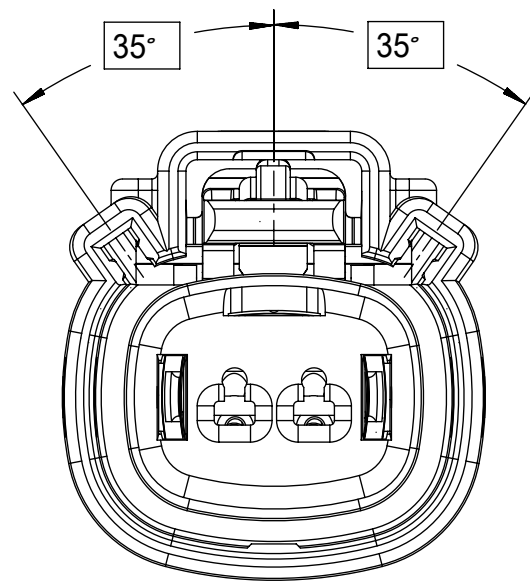
KEY A



KEY B



KEY C

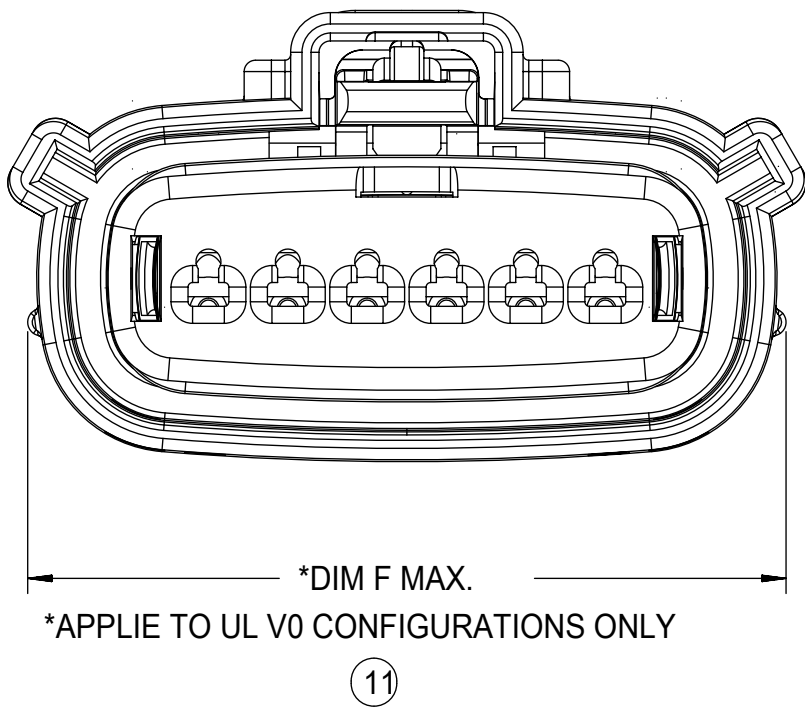
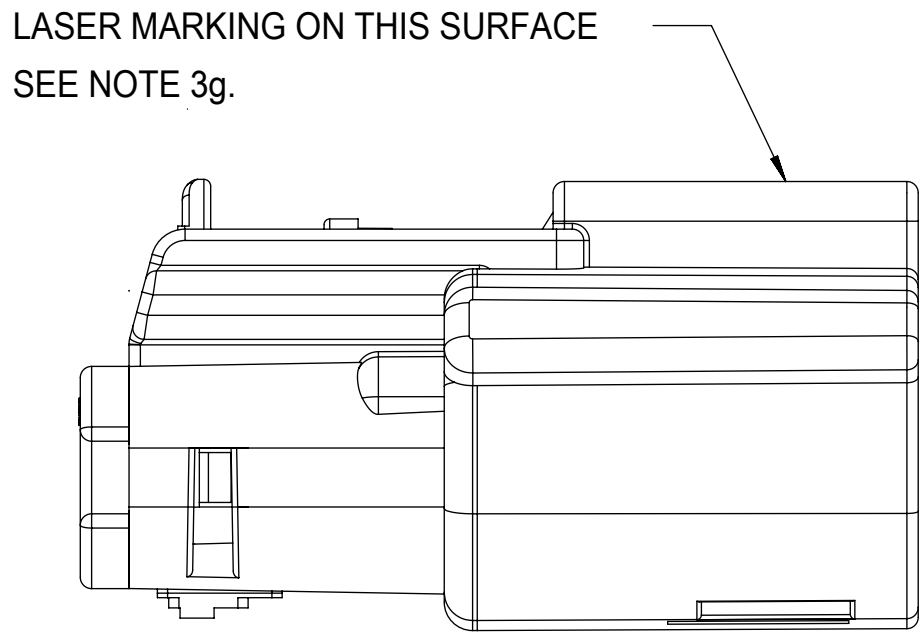
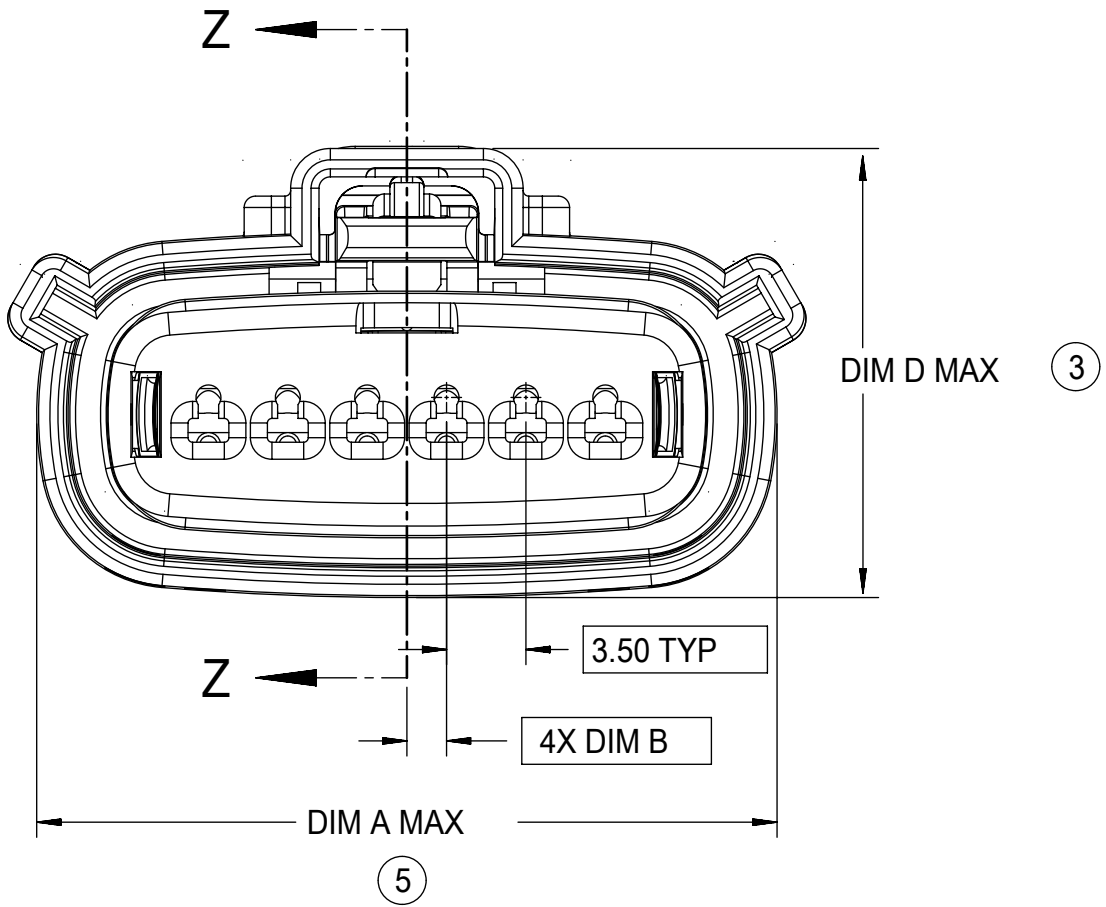
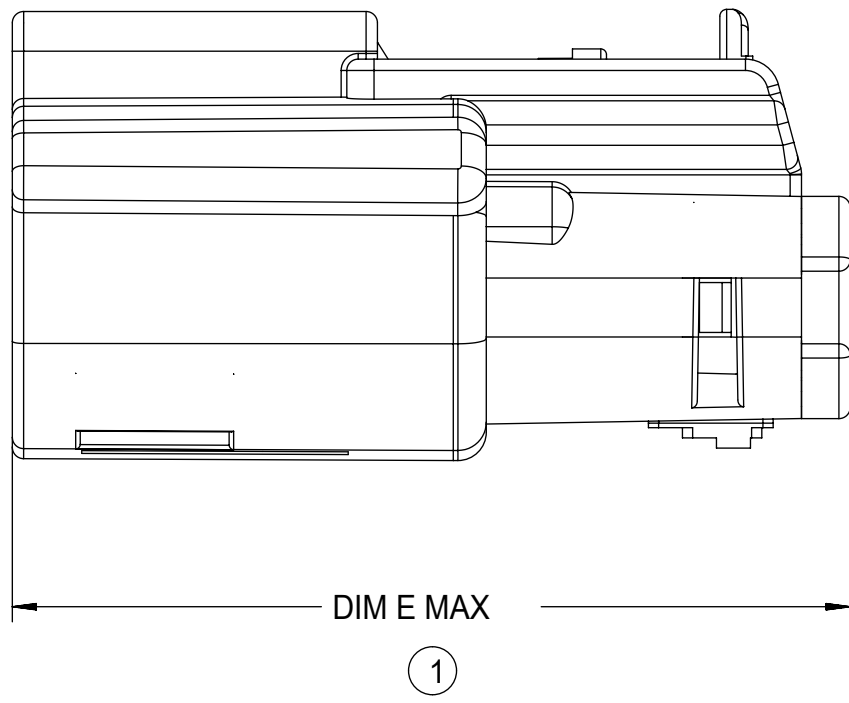
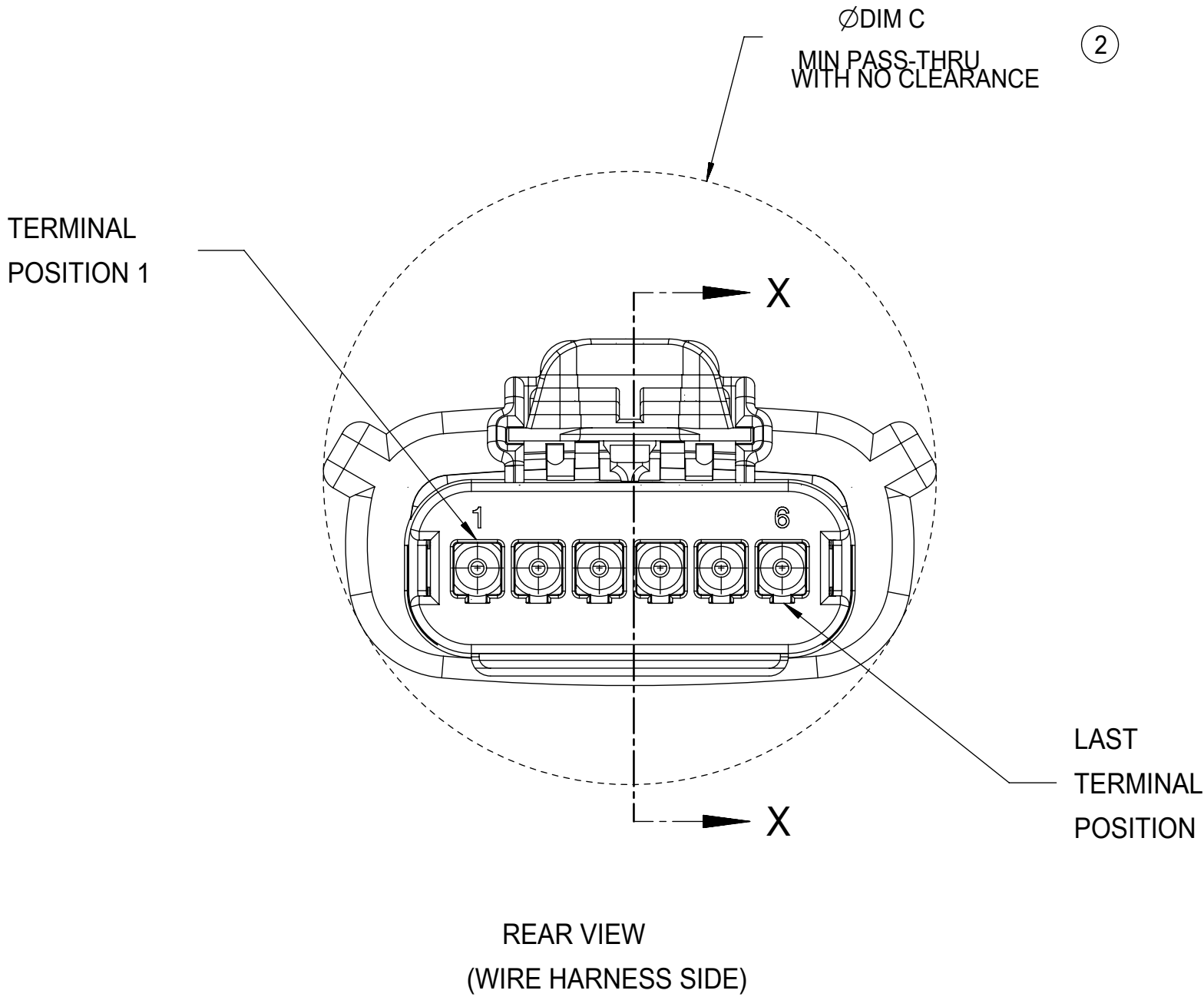
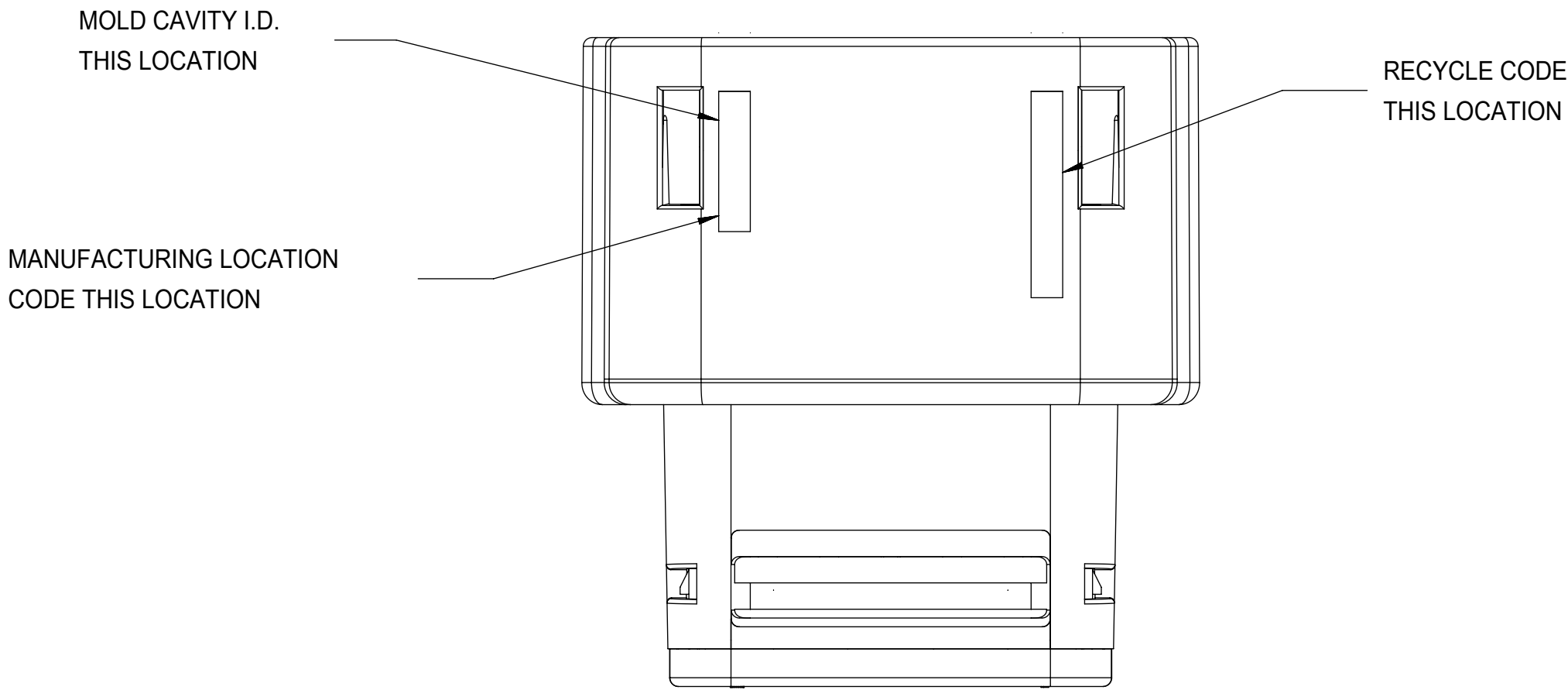
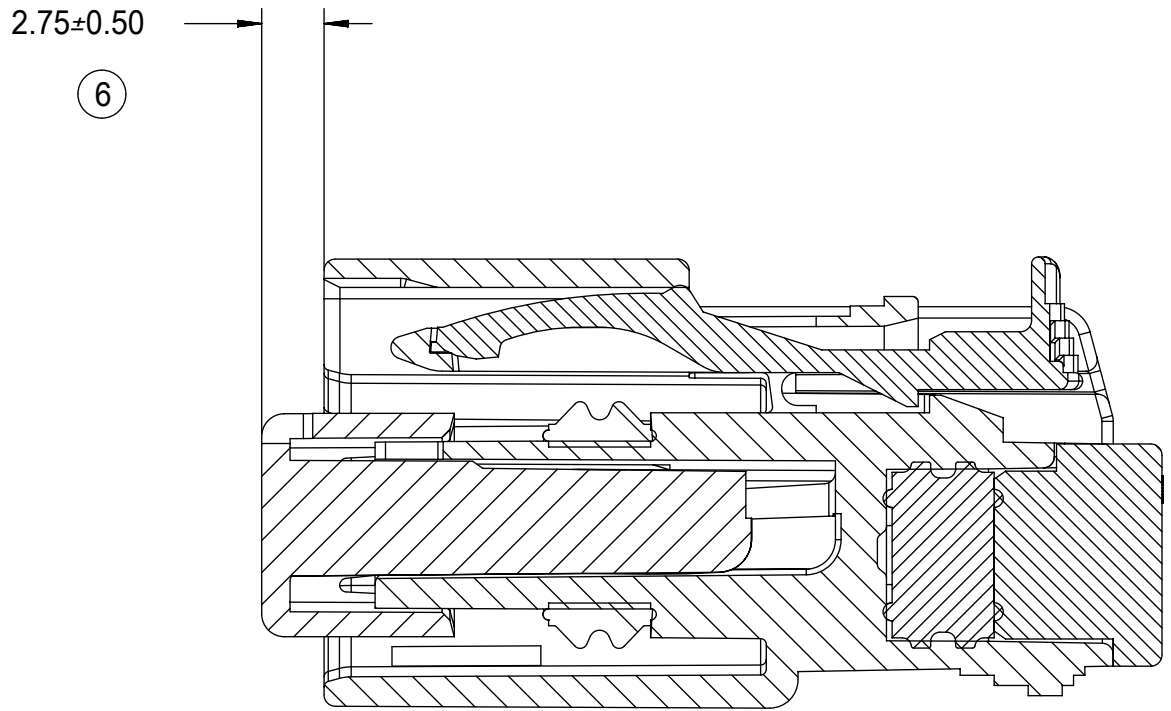


KEY D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:				<div>molex</div> <div>MX150 RCPT</div> <div>SINGLE ROW SEALED ASSY MAT SEAL</div>								
<div><div>A</div>= 0</div>	mm		3:1		<div>EC NO: 643941</div> <div>DRWN: XLDONG032020/08/21</div> <div>CHK'D: JDENG022020/08/26</div> <div>APPR: JDENG022020/08/26</div> <div>INITIAL REVISION:</div> <div>DRWN: APROFFITT2015/11/04</div> <div>APPR: KDEKOSKI2016/06/14</div>												
<div><div>C</div>= 0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)																
<div><div>P</div>= 0</div>	ANGULAR TOL ± 1.0°																
DIVISIONAL SYMBOLS	4 PLACES		±														
	3 PLACES		±														
	2 PLACES		± 0.1														
	1 PLACE		± 0.2														
	0 PLACES		±														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				<div><div><div></div></div><div><div></div></div></div>		D-SIZE		33471		SEE NOTE 2a		GENERAL MARKET		3 OF 8			
										SD-33471-0001		PSD		001		A1	

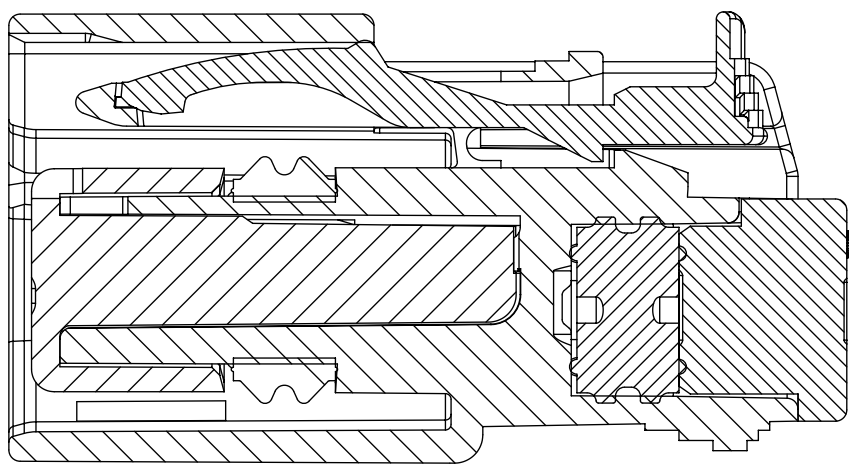
SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY - STD



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

SECTION Z-Z



FUNCTIONAL 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:			<div>molex</div>						
	mm		3:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL									
	ANGULAR TOL ± 1.0 °													
	4 PLACES		±		PRODUCT CUSTOMER DRAWING									
	3 PLACES		±											
2 PLACES		± 0.1		DOCUMENT NUMBER SD-33471-0001			DOC TYPE PSD	DOC PART 001	REVISION A1					
1 PLACE		± 0.2												
0 PLACES		±												
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							D-SIZE	33471	SEE NOTE 2a		GENERAL MARKET		5 OF 8	

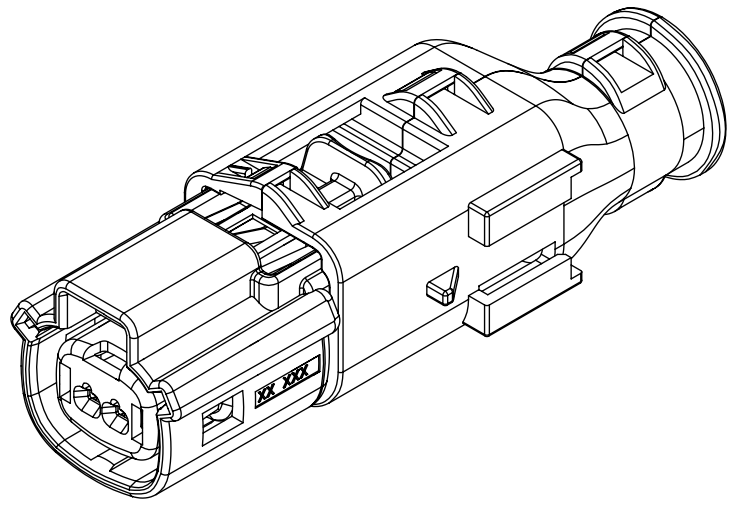
DESCRIPTION	DIMENSIONS					
	A	B	C	D	E	F
1X2	19.40	1.75	21.73	20.55	37.65	19.64
1X6	32.75	1.75	35.21	19.90	37.65	N/A
1X6 UL V0	N/A	1.75	35.23	19.90	37.65	33.64

SHEET DESCRIPTION

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-33471-0001.
 - 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-34949-0001.



1X2

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

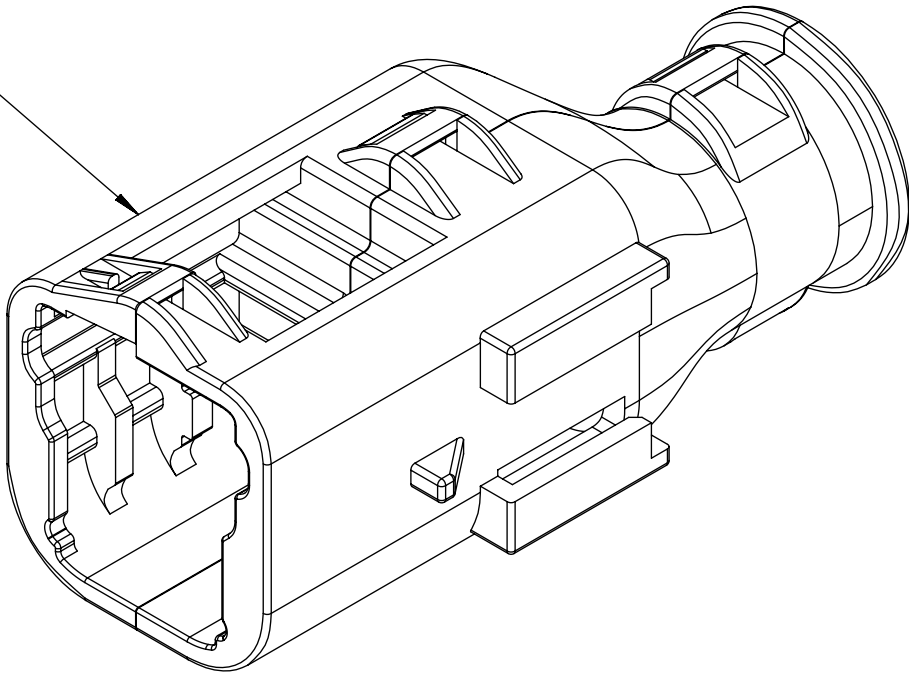
34949-XXXX

- 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

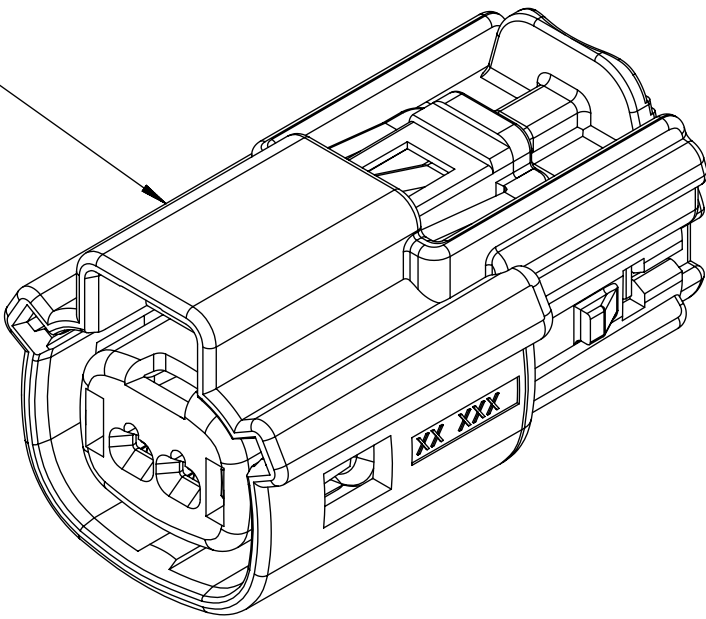
- BACKSHELL FEATURES
- 1 - WITH RIBS
 - 2 - WITHOUT RIBS

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

BACKSHELL (BKS)



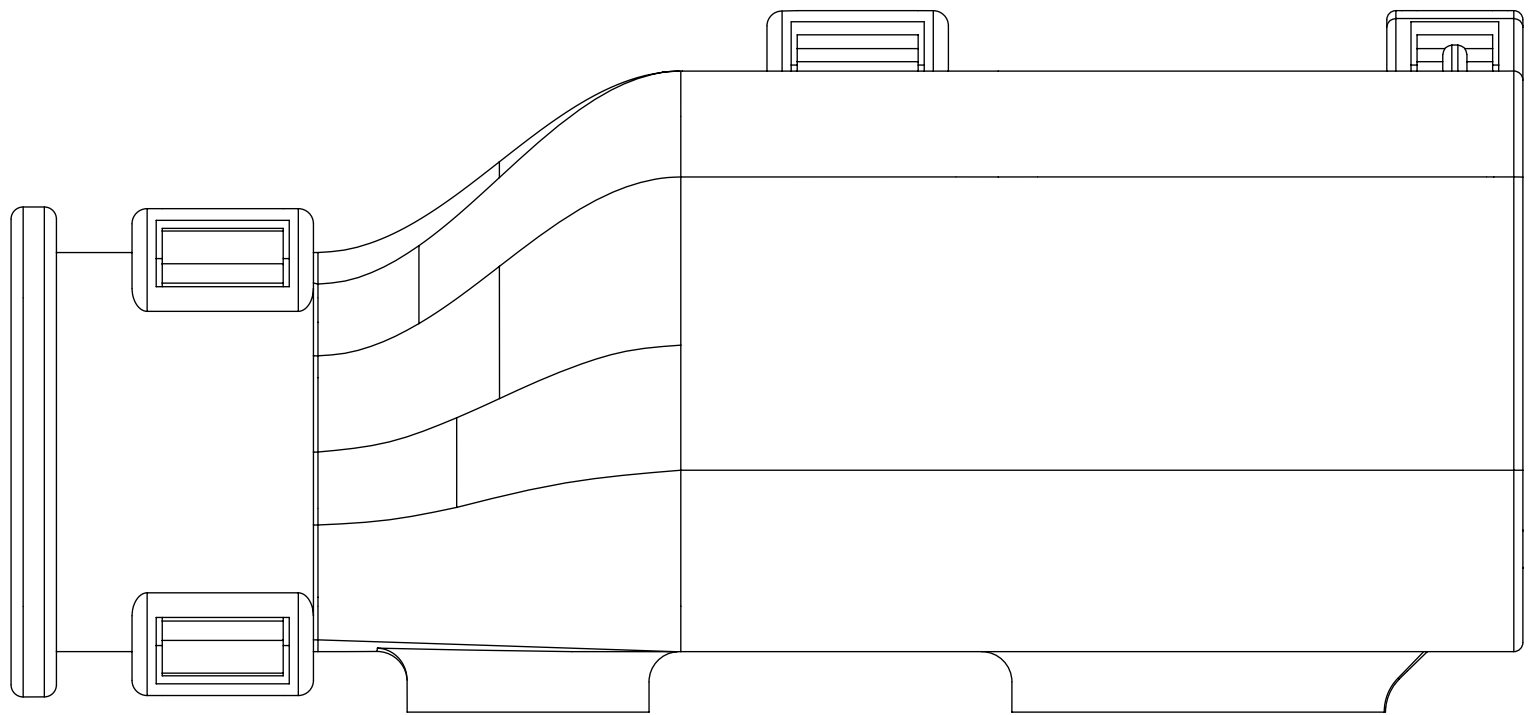
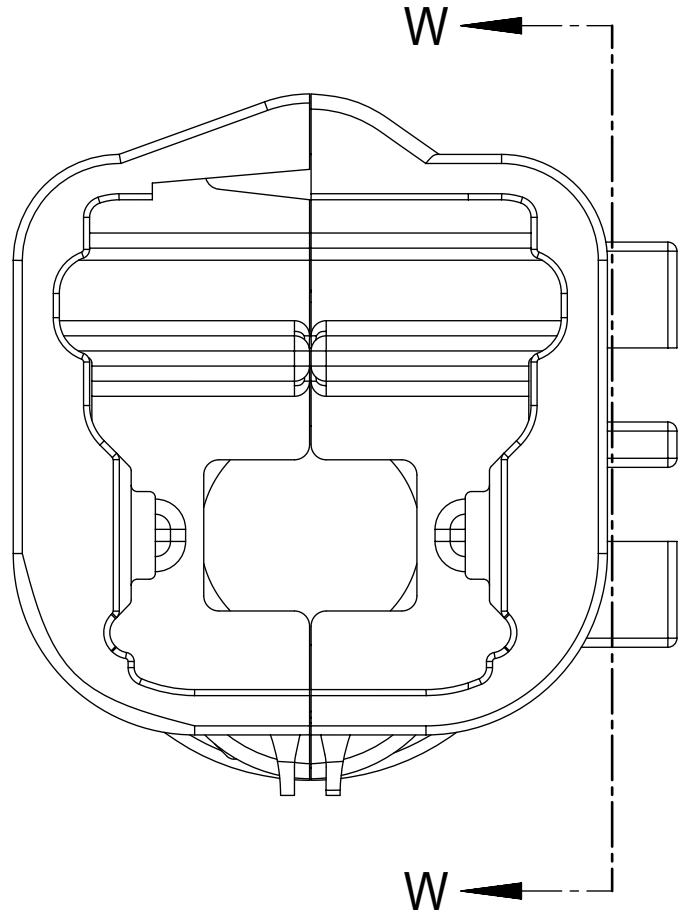
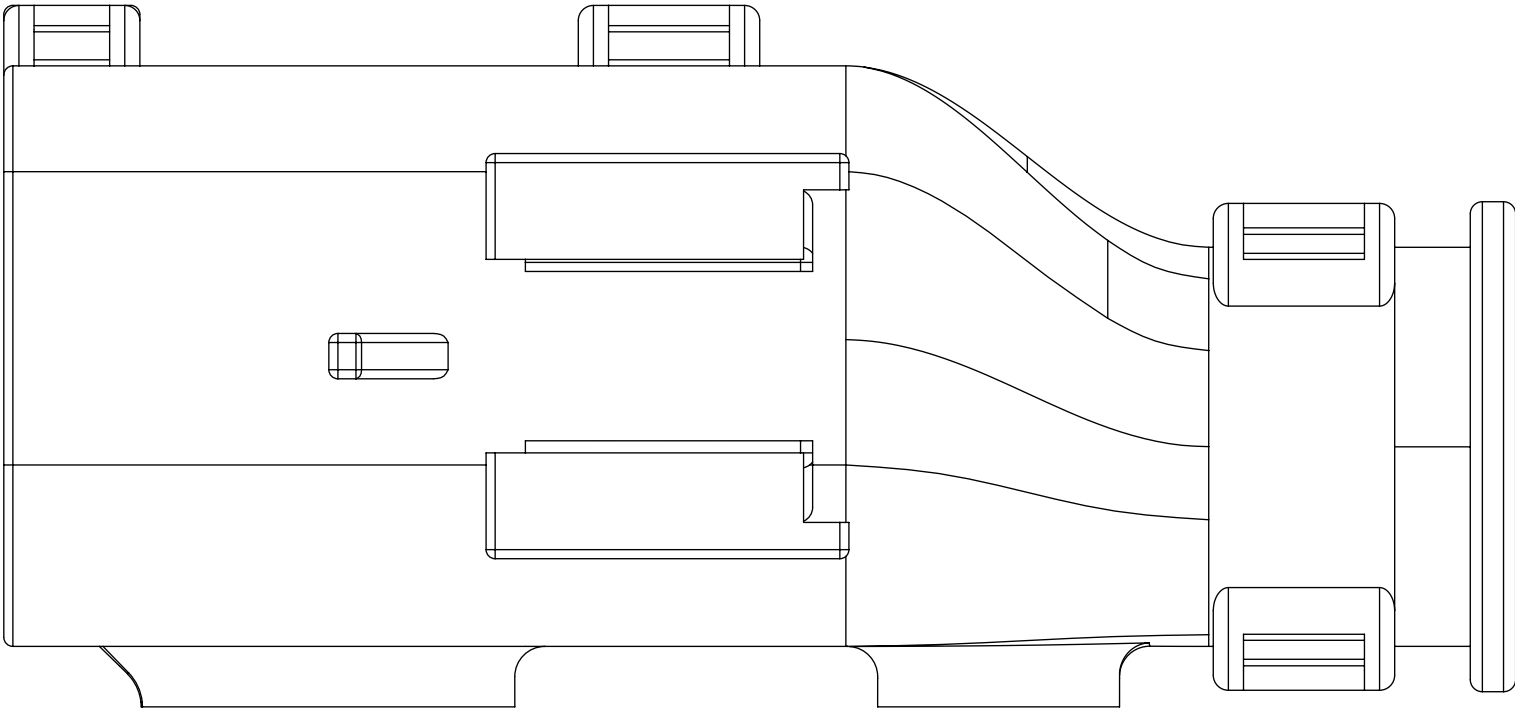
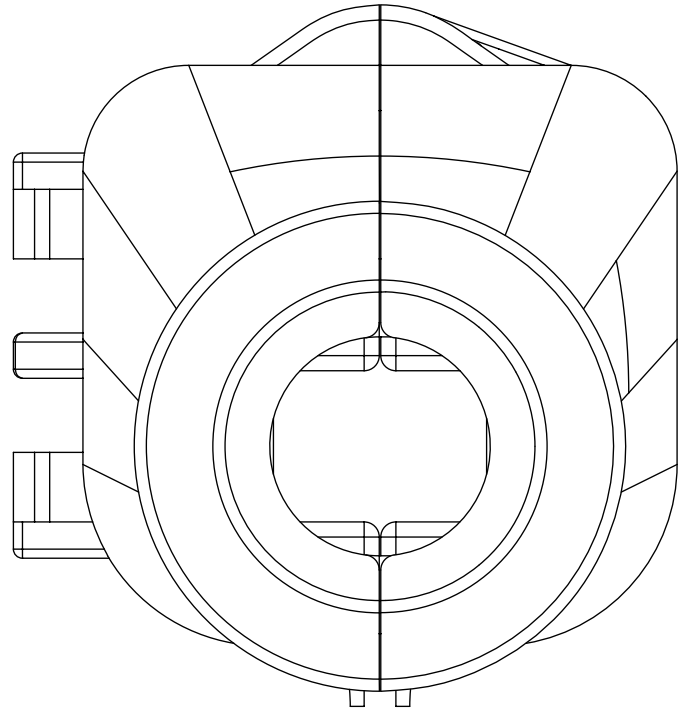
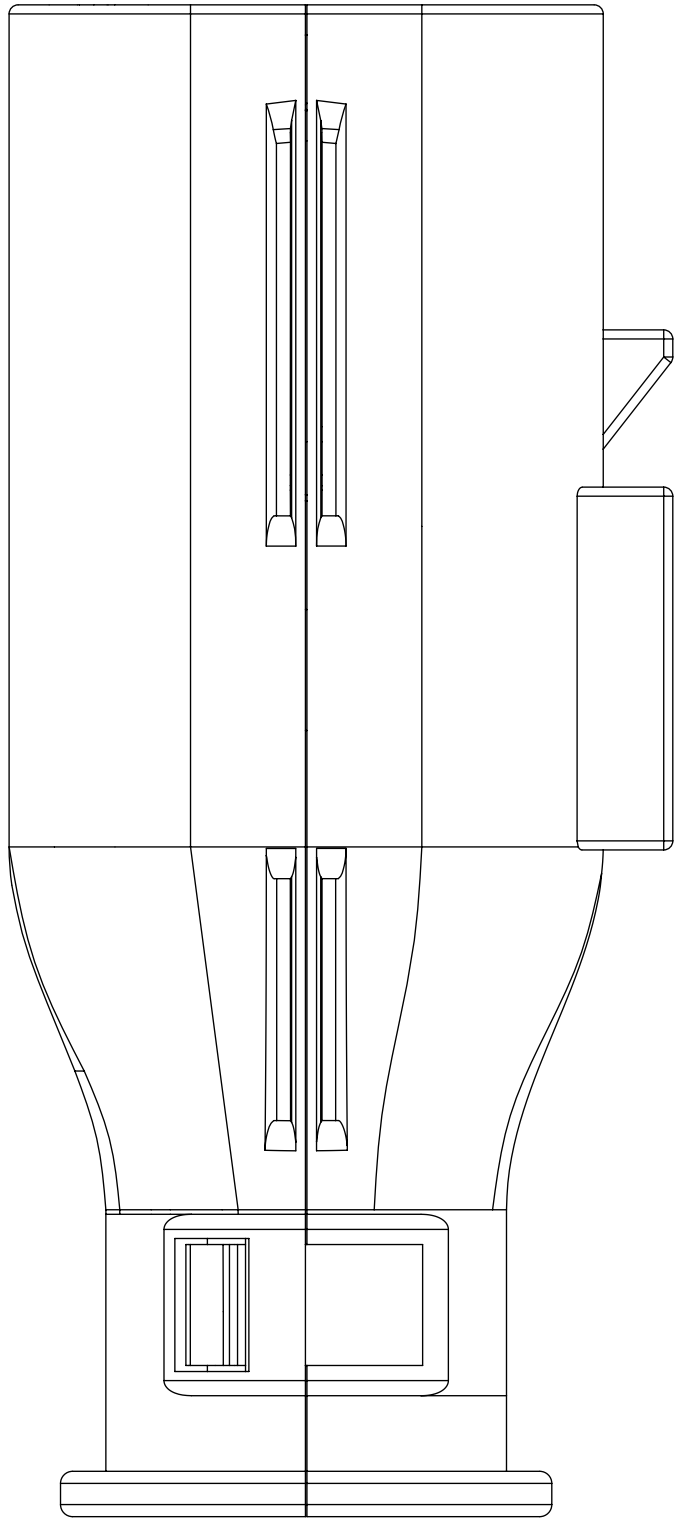
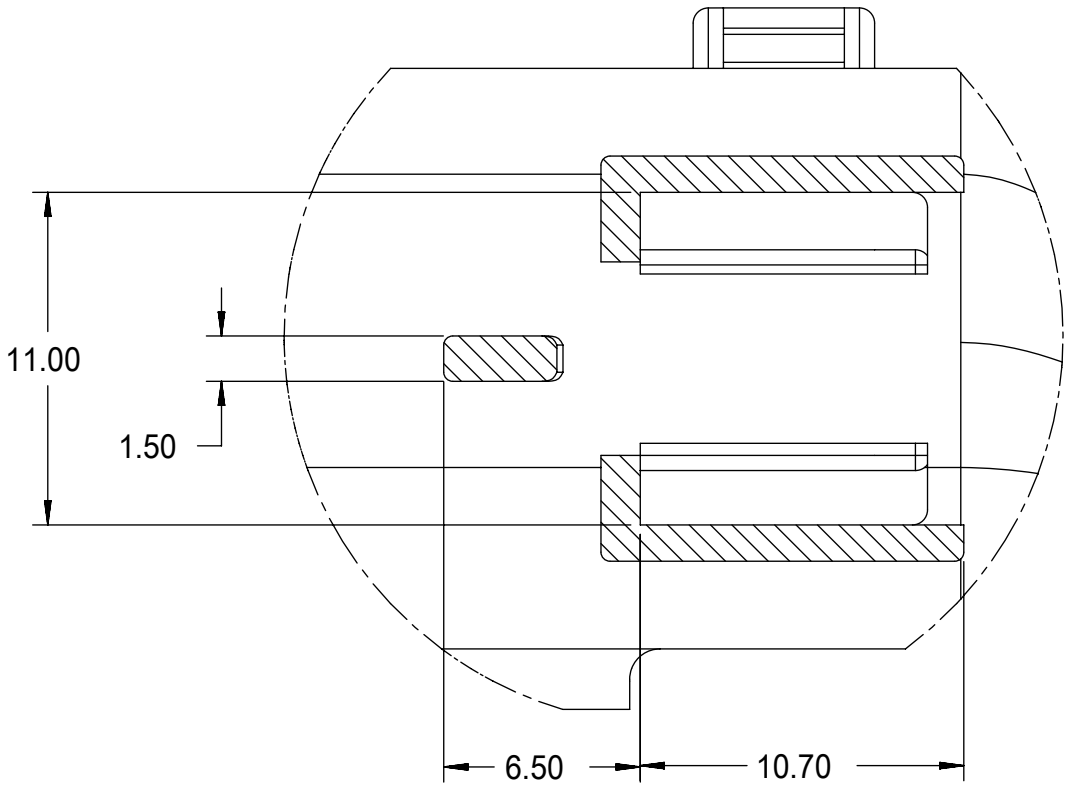
RECEPTACLE SEALED ASSEMBLY



FUNCTIONAL 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:					<div>molex</div>					
	mm		4:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)									EC NO: 643941 DRWN: XLDONG03 2020/08/21 CHK'D: JDENG02 2020/08/26 APPR: JDENG02 2020/08/26					MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL
ANGULAR TOL ± 1.0 °															
DIVISIONAL SYMBOLS	4 PLACES		±		INITIAL REVISION: DRWN: APROFFITT 2015/11/04 APPR: KDEKOSKI 2016/06/14					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	3 PLACES		±							SD-33471-0001		PSD	001	A1	
	2 PLACES		± 0.1		<div><div></div><div></div></div>		SEE NOTE 2a		GENERAL MARKET		SHEET NUMBER 6 OF 8				
	1 PLACE		± 0.2												
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 33471		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	

SHEET DESCRIPTION

BACKSHELL



Partial W-W
SCALE 4:1

FUNCTIONAL 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:					<div>molex</div>				
	mm		4:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	ANGULAR TOL ± 1.0°				EC NO: 643941					MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL				
4 PLACES		±		DRWN: XLDONG03 2020/08/21										
3 PLACES		±		CHK'D: JDENG02 2020/08/26										
DIVISIONAL SYMBOLS	2 PLACES		± 0.1		APPR: JDENG02 2020/08/26					PRODUCT CUSTOMER DRAWING				
	1 PLACE		± 0.2		INITIAL REVISION:									
	0 PLACES		±		DRWN: APROFFITT 2015/11/04									
	APPR: KDEKOSKI 2016/06/14					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING	SERIES	SD-33471-0001		PSD	001	A1
MATERIAL NUMBER										CUSTOMER		SHEET NUMBER		
SEE NOTE 2a										GENERAL MARKET		7 OF 8		

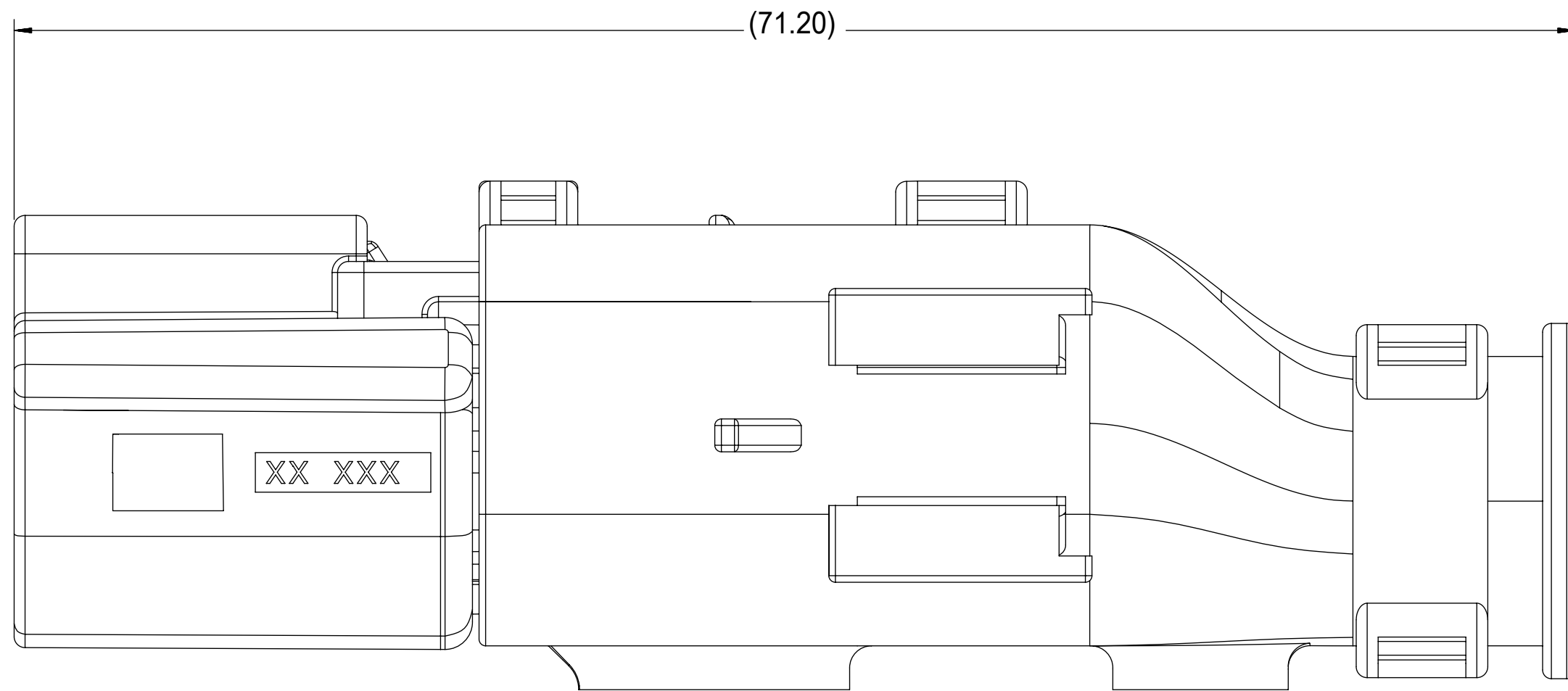
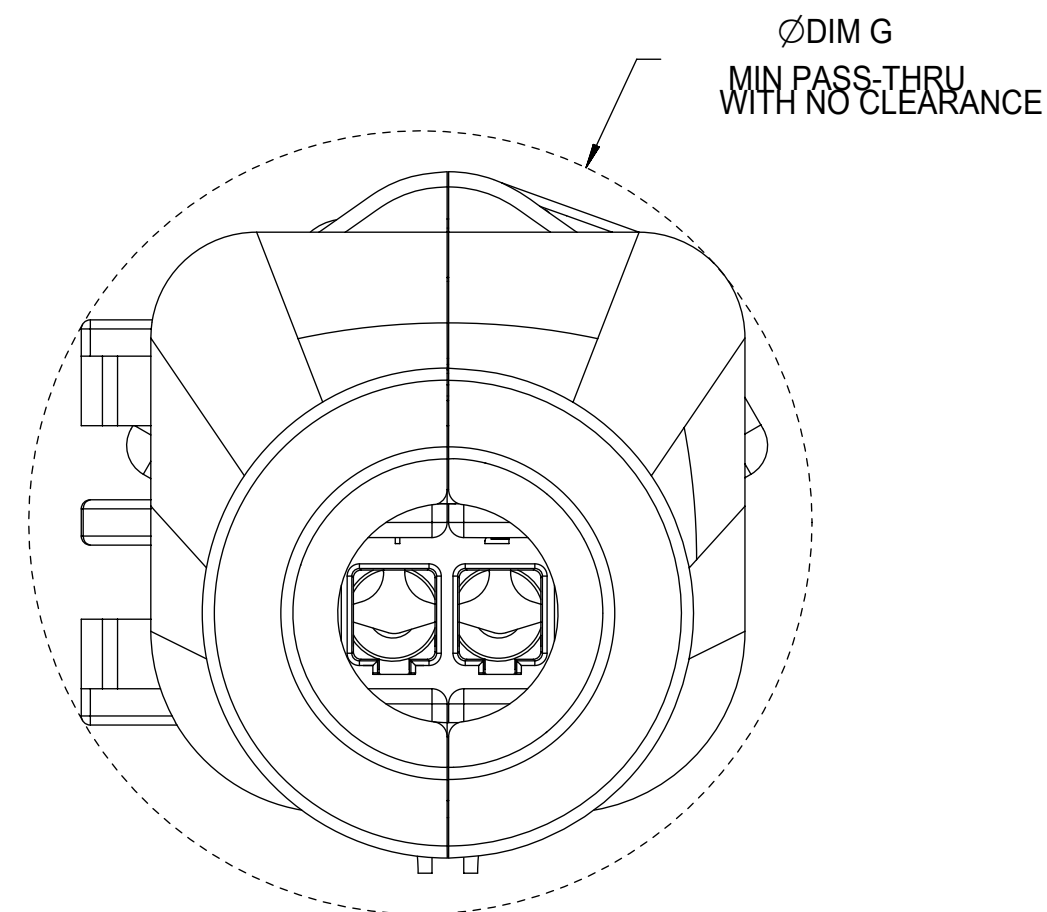
SHEET DESCRIPTION

BACKSHELL CONFIGURATIONS

CHARTED DIMENSIONS

DESCRIPTION

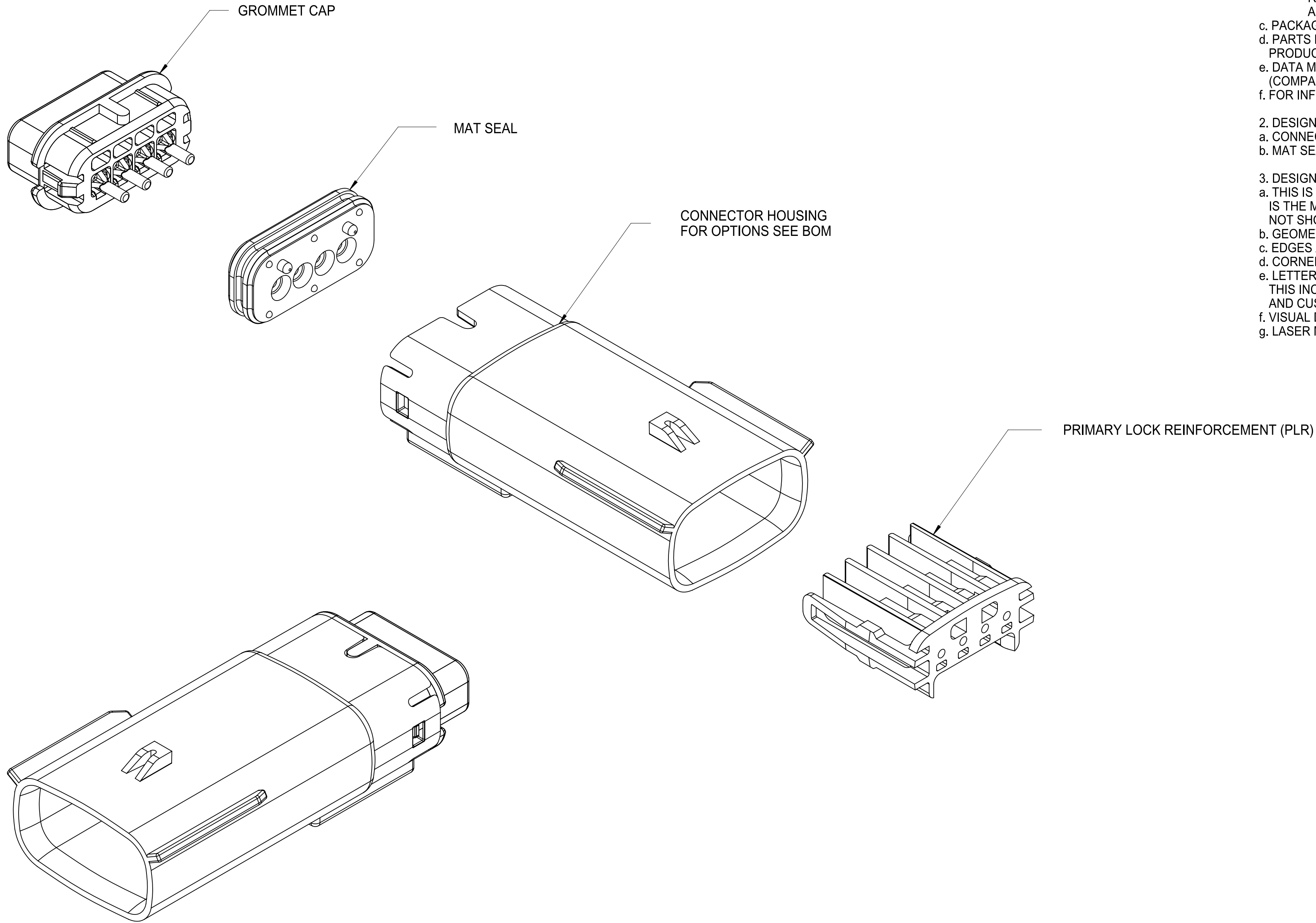
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26.00



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

FUNCTIONAL SYMBOLS <div><div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div></div><div><div></div></div></div></div><div>DIVISIONAL SYMBOLS</div></div></div>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				CURRENT REV DESC:				<div>molex</div> <div>MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL</div> <div>PRODUCT CUSTOMER DRAWING</div> <div><div>DOCUMENT NUMBER</div><div>DOC TYPE</div><div>DOC PART</div><div>REVISION</div></div>											
	DIMENSION UNITS		SCALE		EC NO: 643941 DRWN: XLDONG03 2020/08/21 CHK'D: JDENG02 2020/08/26 APPR: JDENG02 2020/08/26 INITIAL REVISION: DRWN: APROFFITT 2015/11/04 APPR: KDEKOSKI 2016/06/14				SD-33471-0001 PSD 001 A1											
	mm		4:1																	
	GENERAL TOLERANCES (UNLESS SPECIFIED)																			
	ANGULAR TOL ± 1.0 °																			
	4 PLACES ±																			
	3 PLACES ±		± 0.1		THIRD ANGLE PROJECTION				DRAWING D-SIZE				SERIES 33471		MATERIAL NUMBER SEE NOTE 2a		CUSTOMER GENERAL MARKET		SHEET NUMBER 8 OF 8	
	2 PLACES ±		± 0.2																	
	1 PLACE ±		±																	
	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		<div><div><div></div></div><div><div></div></div></div>															

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

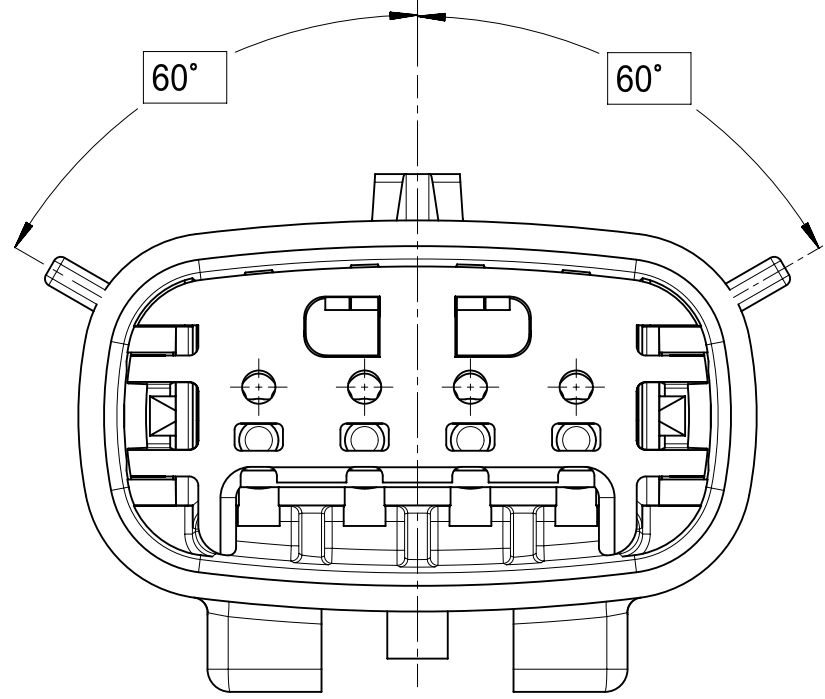
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-041.
-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)
- f. FOR INFORMATION ON 1X4 BLADE SEALED ASSEMBLY WITH SHORTING BAR SEE SD-31280-200.

2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- b. MAT SEAL: INHERENTLY LUBRICATED SILICONE

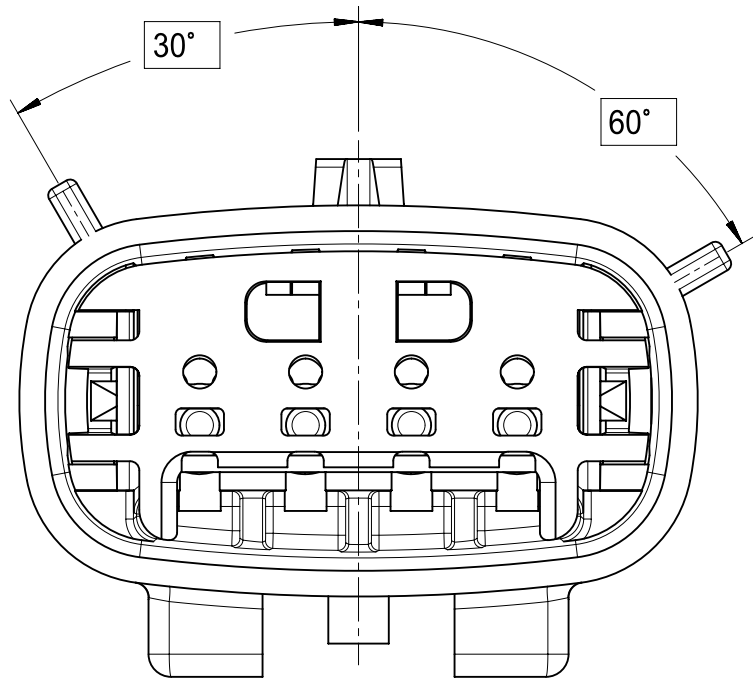
3. DESIGN - GEOMETRY:
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
- c. EDGES AND UNDIMENSIONED DETAILS 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

W4		UPDATED THE STATUS OF P/NS ON SHEET 5 33481-04XX) TO OBSOLETE PER PCN 512135 ADDED SALEABLE STATUS OF P/NS (33481-44XX) ON SHEET 5 P/NS 334814408 THRU 334814409 AND 334814412 THRU 334814412 WHICH HAVE BEEN MARKED NOT RECOMMENDED IN THE COMMENTS									
REV #		DESCRIPTION									
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: UPDATED PARTS STATUS				<div>molex</div>					
mm	3:1										
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 1X4 BLADE SEALED ASSEMBLY MAT SEAL					
ANGULAR TOL ± 3 °											
4 PLACES ± 0											
3 PLACES ± 0											
2 PLACES ± 0.1											
1 PLACE ± 0.3		INITIAL REVISION: DRWN: RFC_PLMIMP APPR:				PRODUCT SALES DRAWING					
0 PLACES ± 0						DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION
						SD-33481-041		PSD		001	W4
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER			SHEET NUMBER	
			D-SIZE	33481			GENERAL MARKET			1 OF 5	

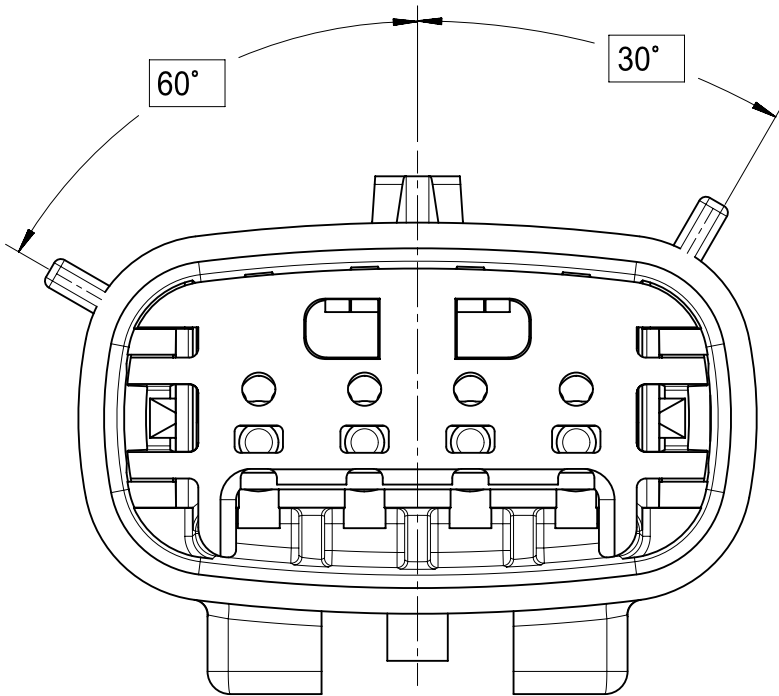
KEY CONFIGURATIONS



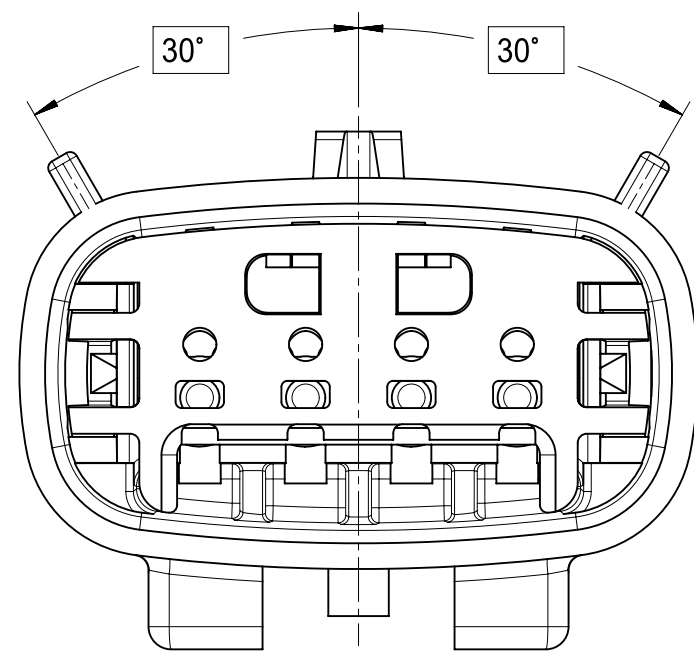
KEY A



KEY B



KEY C



KEY D

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

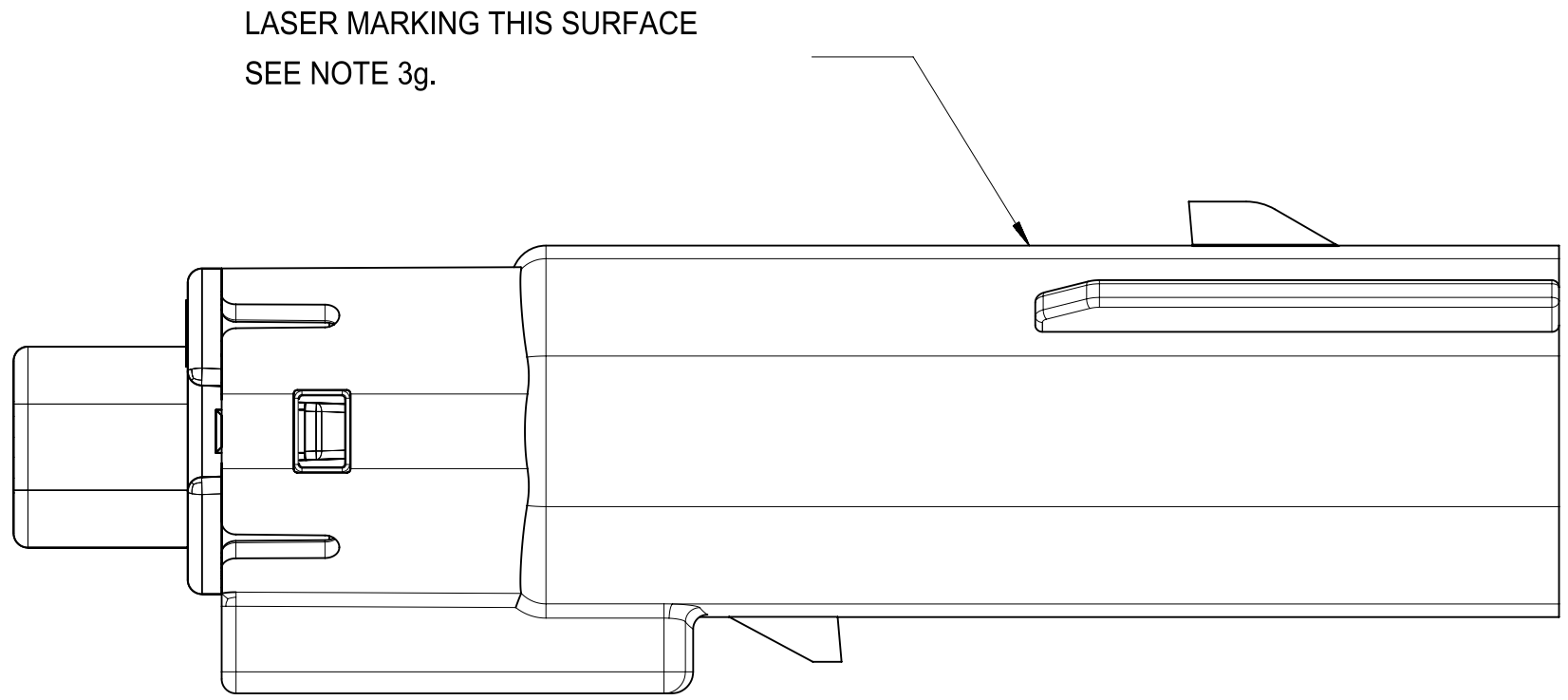
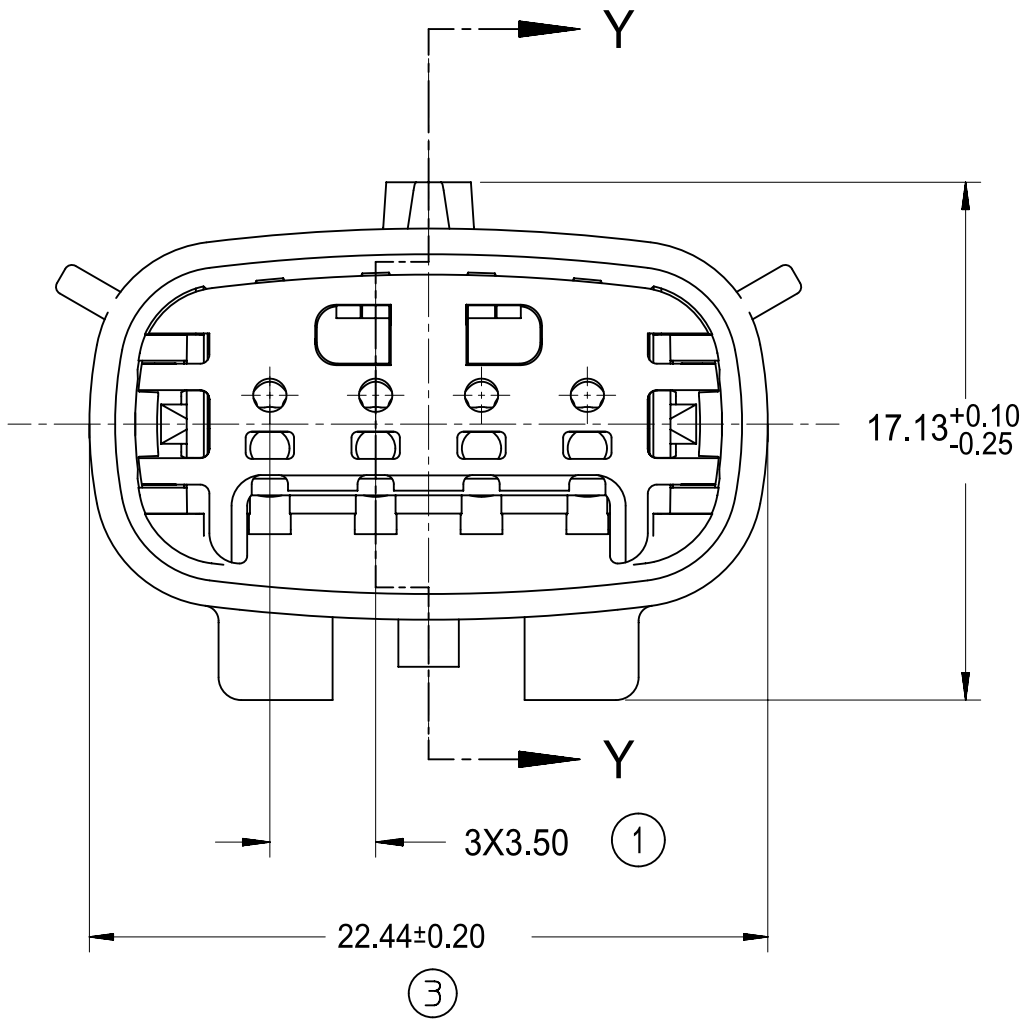
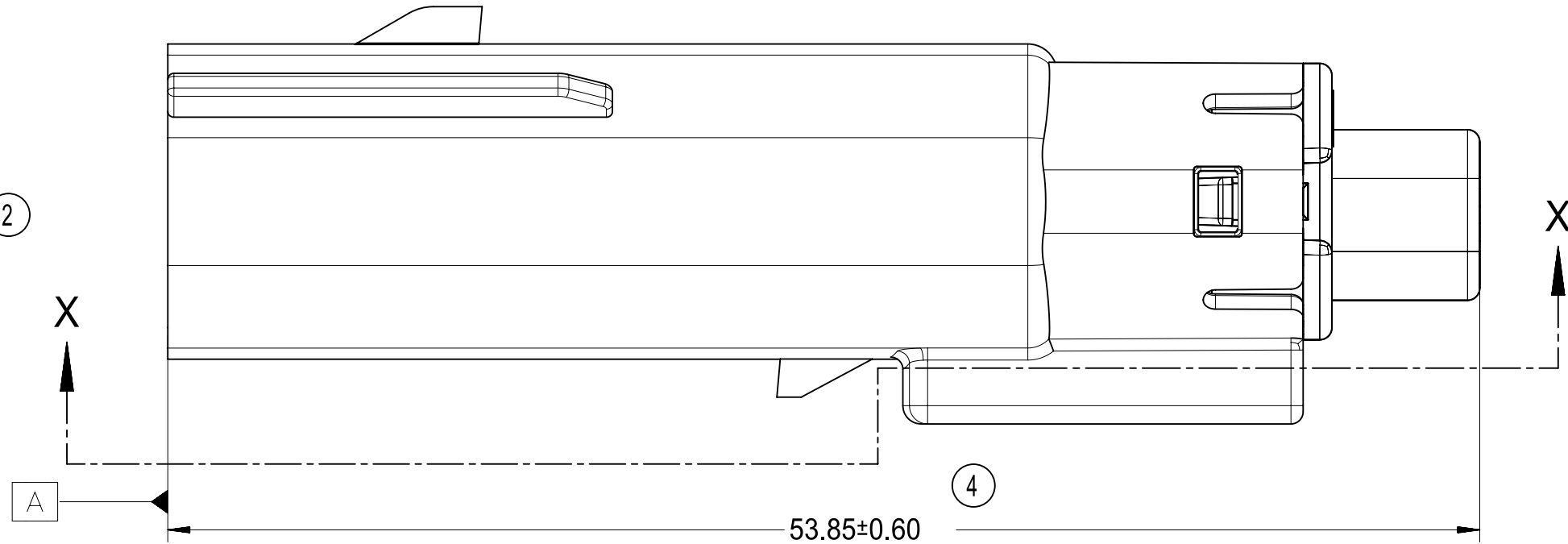
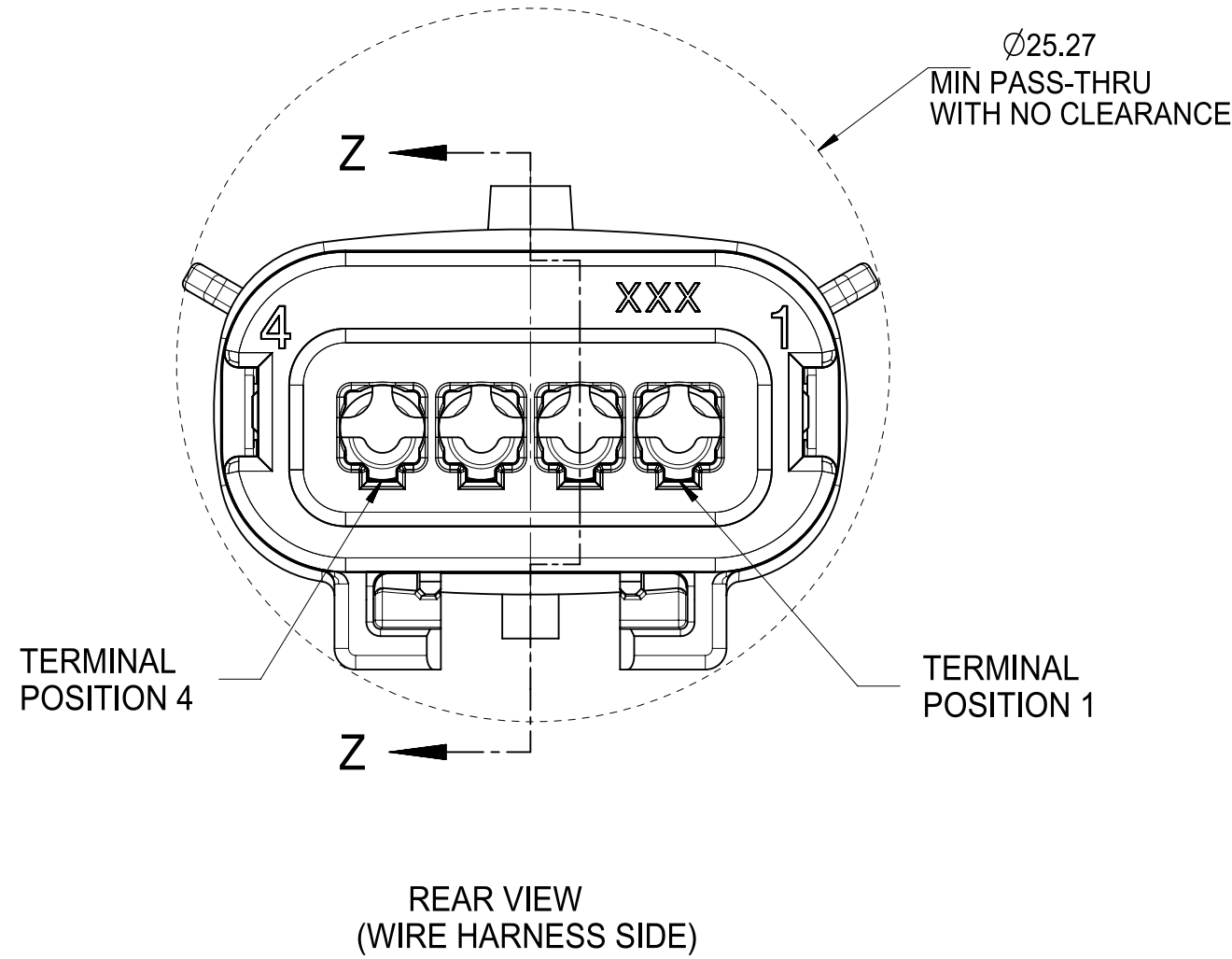
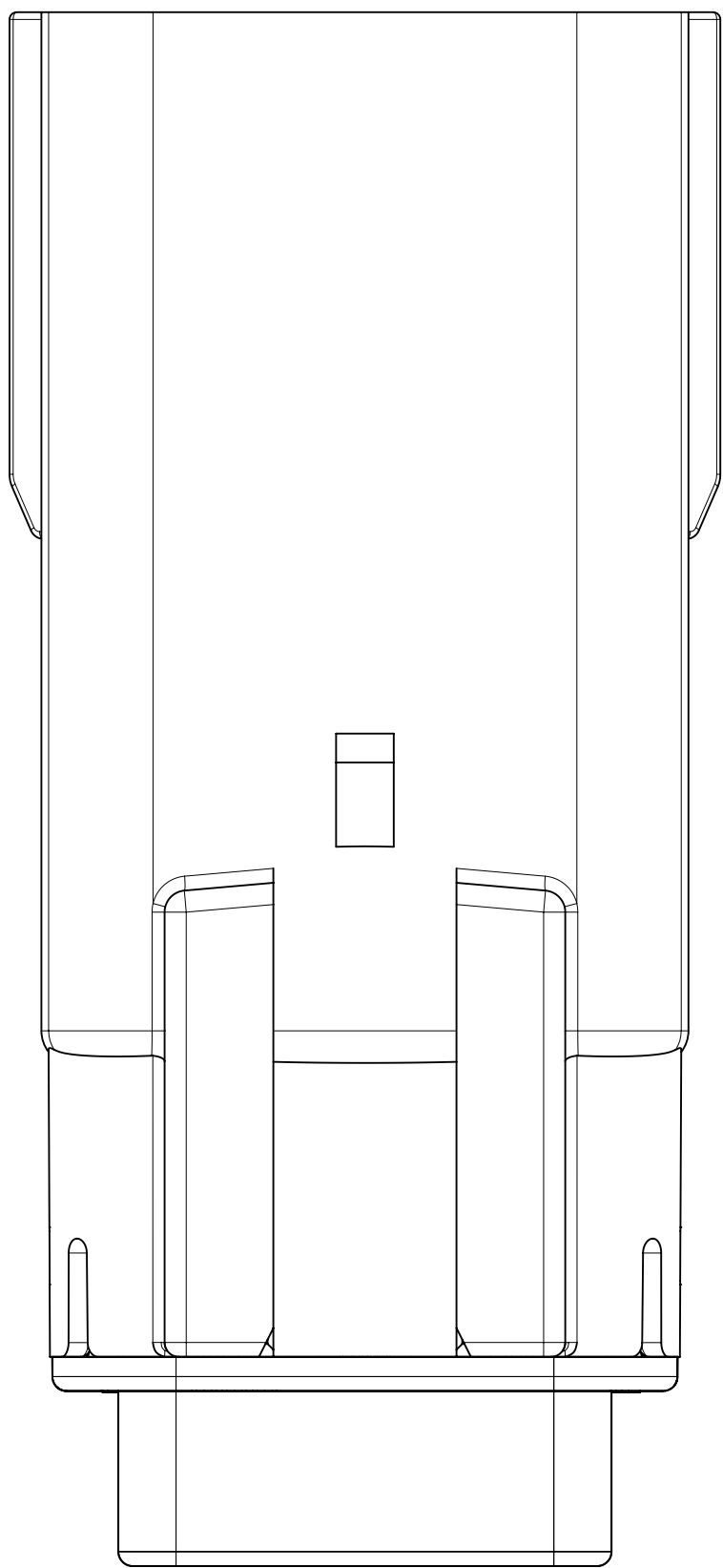
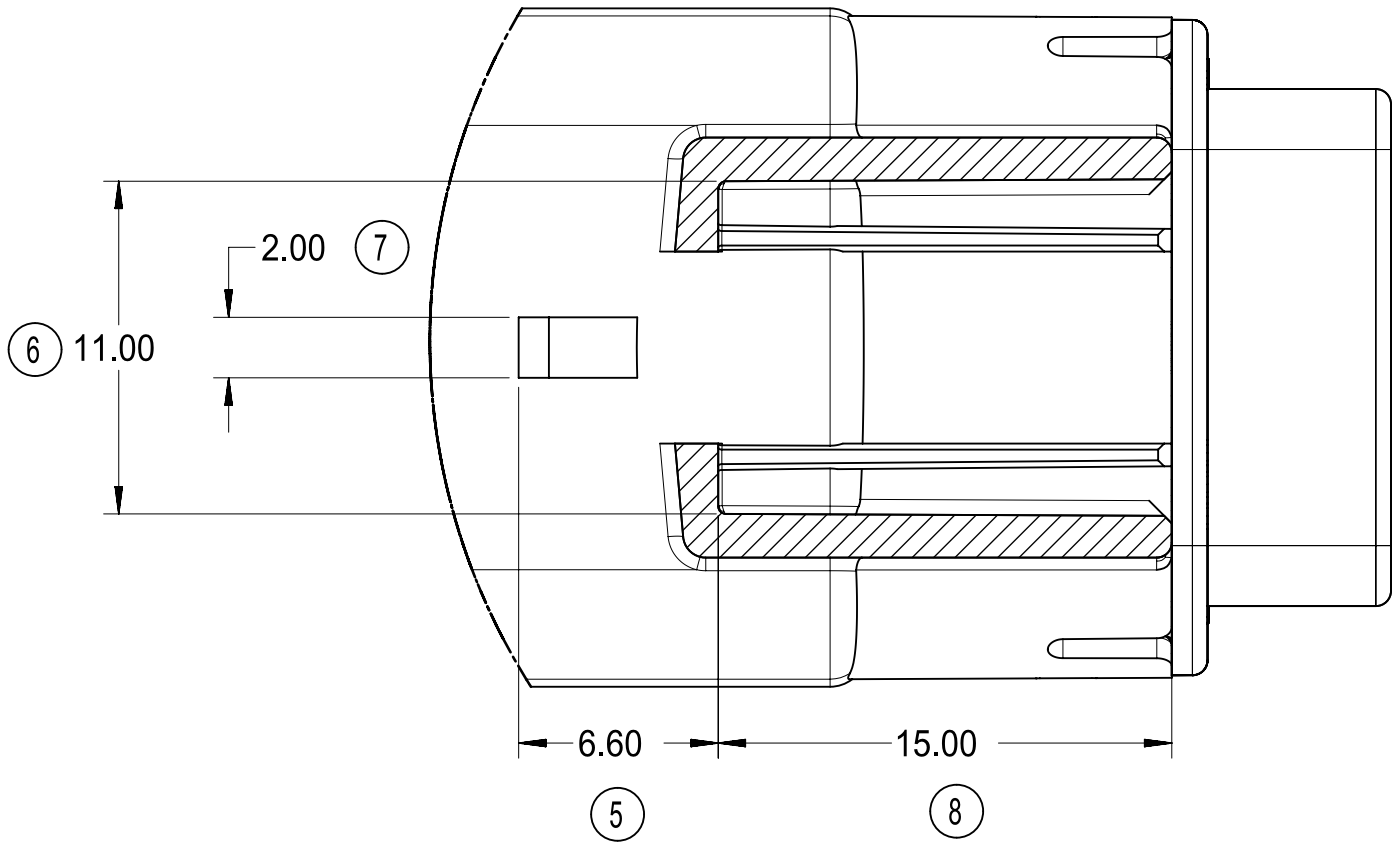
DIMENSION UNITS	SCALE	CURRENT REV DESC: UPDATED PARTS STATUS		
mm	4:1			
GENERAL TOLERANCES (UNLESS SPECIFIED)				
ANGULAR TOL	± 3°	EC NO: CO-000001228		
4 PLACES	± 0	DRWN: MattYoung 21-Jul-2022		
3 PLACES	± 0	CHK'D: Joe Fox 01-Aug-2022		
2 PLACES	± 0.1	APPR: Katy Boruszewski 02-Aug-2022		
1 PLACE	± 0.3	INITIAL REVISION:		
0 PLACES	± 0	DRWN: RFC_PLMIMP		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			D-SIZE	33481

molex

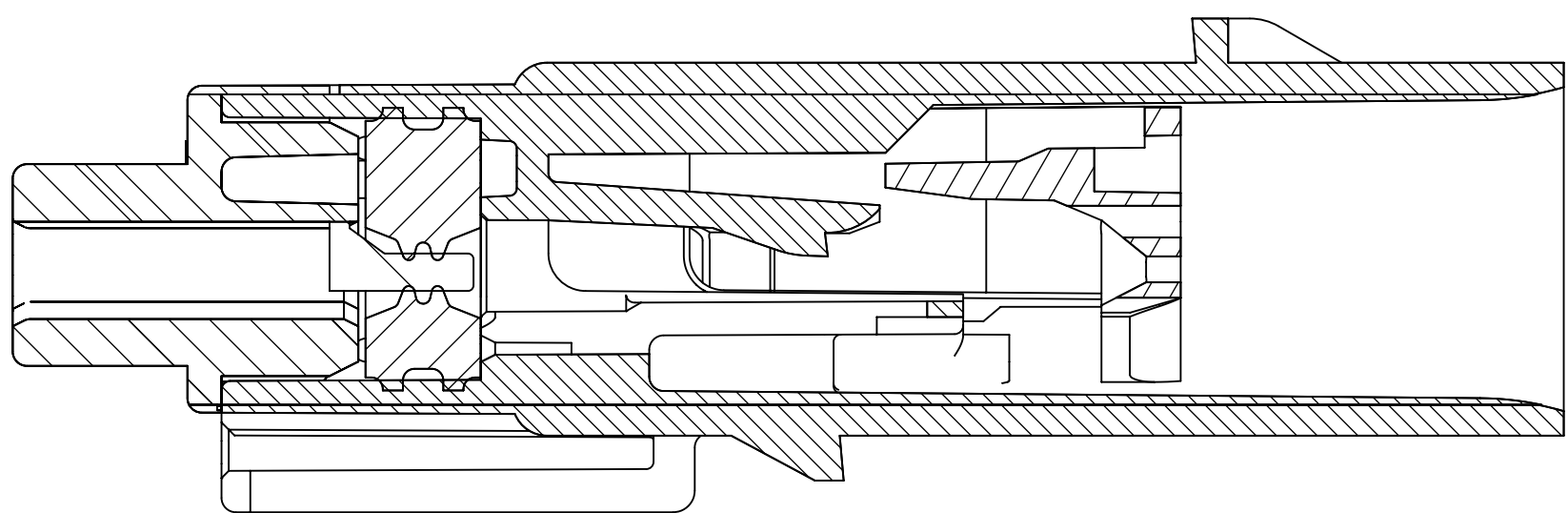
MX150 1X4 BLADE
SEALED ASSEMBLY MAT SEAL

PRODUCT SALES DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-041	PSD	001	W4
MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
	GENERAL MARKET		2 OF 5

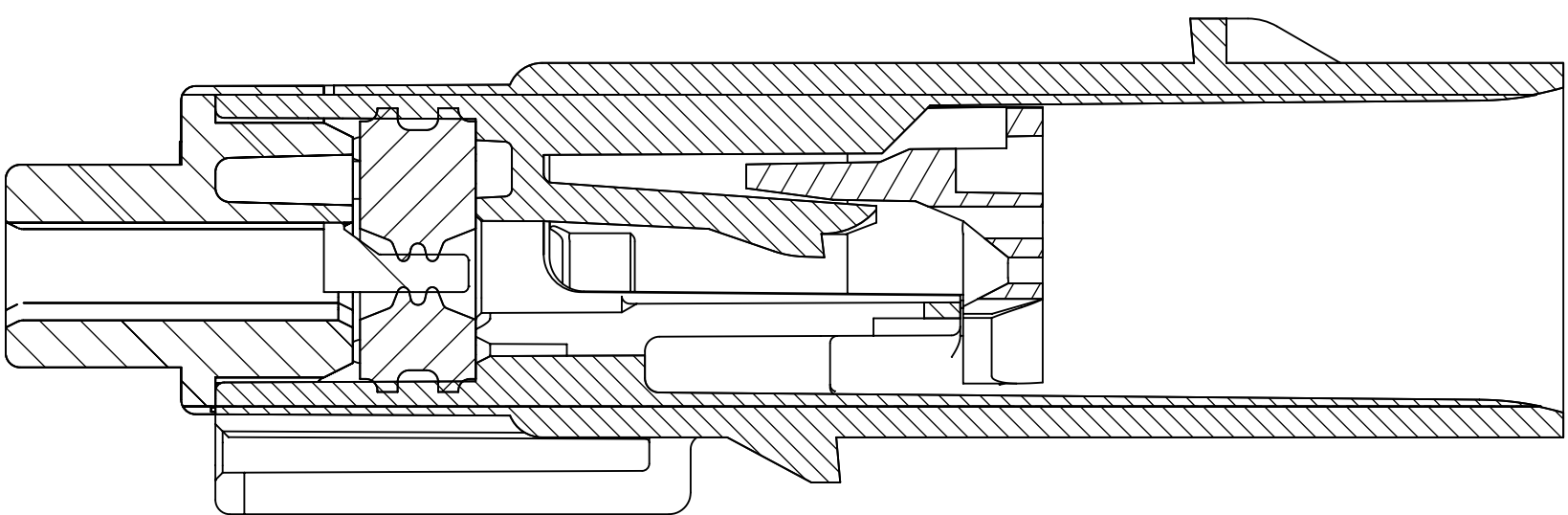


PARTIAL X-X
SCALE 4:1



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

SECTION Z-Z

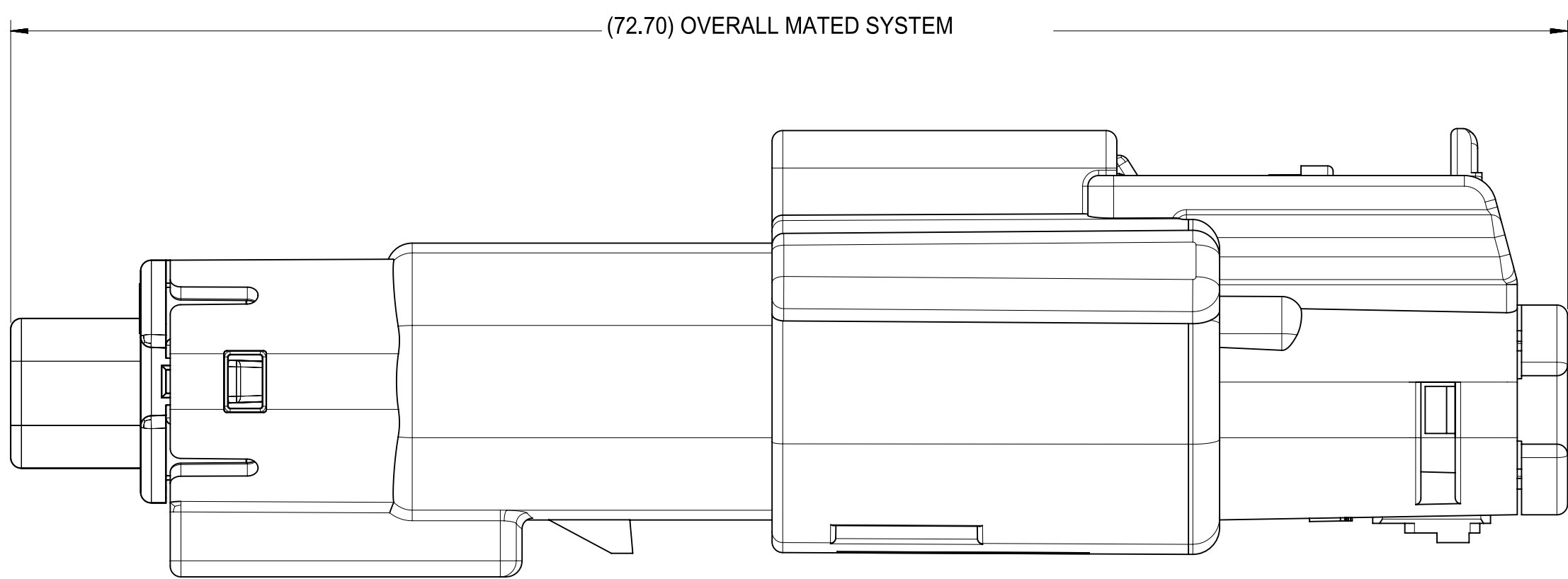
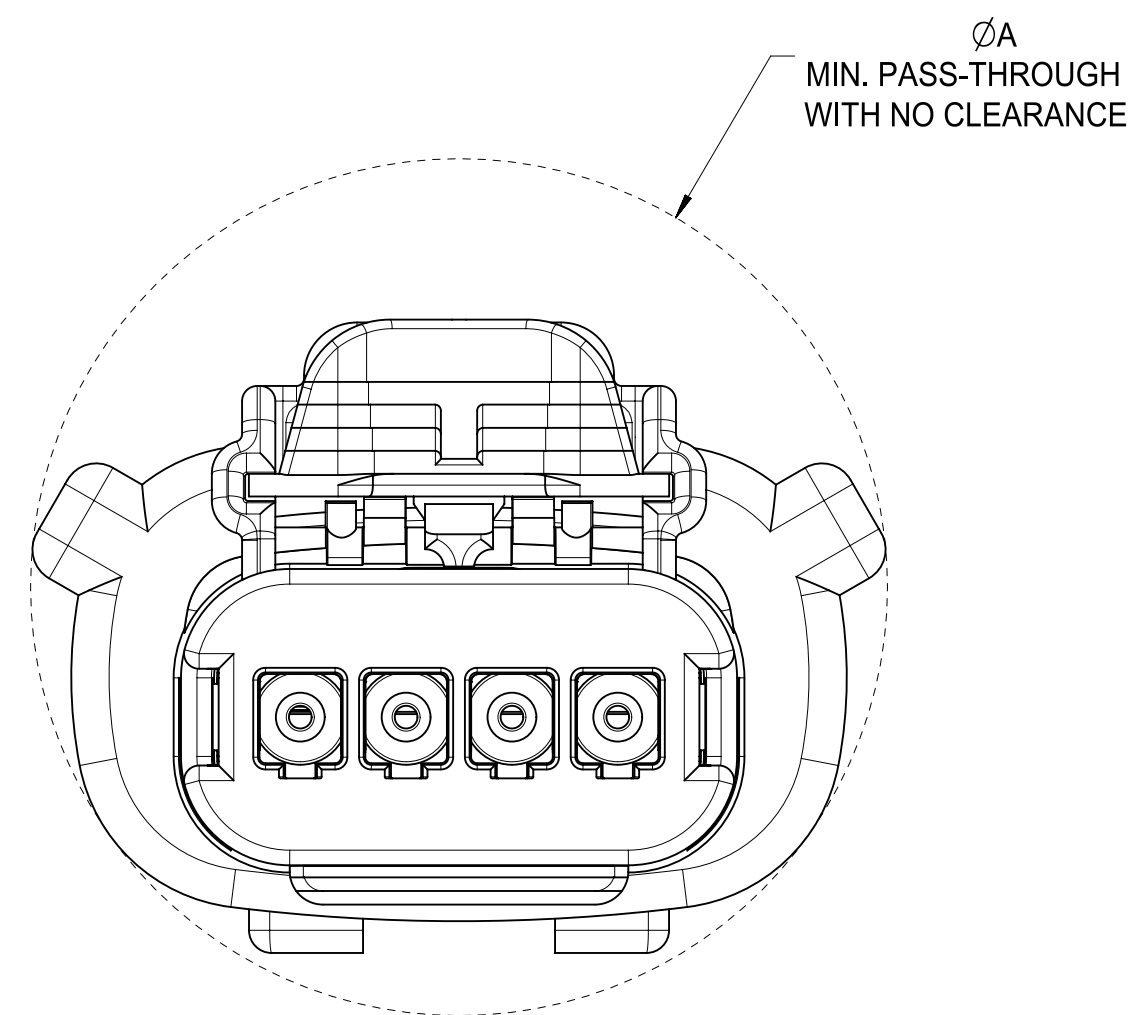


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED PARTS STATUS				<div>molex</div> <div>MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL</div>				
mm		4:1		EC NO: CO-000001228 DRWN: MattYoung 21-Jul-2022 CHK'D: Joe Fox 01-Aug-2022 APPR: Katy Boruszewski 02-Aug-2022								
GENERAL TOLERANCES (UNLESS SPECIFIED)												
ANGULAR TOL		±	3°	INITIAL REVISION: DRWN: RFC_PLMIMP APPR:				PRODUCT SALES DRAWING				
4 PLACES		±	0					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
3 PLACES		±	0					SD-33481-041		PSD	001	W4
2 PLACES		±	0.1									
1 PLACE		±	0.3									
0 PLACES		±	0									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
						D-SIZE		33481		GENERAL MARKET		3 OF 5

SYSTEM PACKAGING



CHARTED DIMENSIONS

CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X4 RECPT SEALED ASSY - STANDARD	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	29.14

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: UPDATED PARTS STATUS				<div>molex</div>							
mm		4:1													
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 1X4 BLADE SEALED ASSEMBLY MAT SEAL							
ANGULAR TOL ± 3°															
4 PLACES		± 0													
3 PLACES		± 0													
2 PLACES		± 0.1													
1 PLACE		± 0.3		INITIAL REVISION: DRWN: RFC_PLMIMP				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES		± 0						SD-33481-041		PSD		001		W4	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
<div><div></div><div></div></div>				D-SIZE		33481				GENERAL MARKET		4 OF 5			



产品编号：[334710401](#)
Product Description：MX150 Mat-Sealed
Female Connector Assembly, Single Row, 4
Circuits, Keying Option A, Black
系列号：33471
状态：Active
Product Category：Connector Housings



文件和资源

图纸
[图纸 334710401_sd.pdf](#)

3D 模型和设计文件
[3D模型 334710401_stp.zip](#)

规格
[应用规格 AS-33472-100-001.pdf](#)
[应用规格 AS-33472-100-CH-001.pdf](#)
[应用规格 AS-33472-100-FR-001.pdf](#)
[应用规格 AS-33611-001-001.pdf](#)
[产品规格 PS-33471-000-001.pdf](#)

产物环境合规

合规

GADSL/IMDS	Duty-To-Declare
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

[多部分产品合规性声明](#)
- Eu RoHS
- REACH SVHC
- Low-Halogen

[多部分行业合规性文件](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	Connector Housings
系列	33471
说明	MX150 Mat-Sealed Female Connector Assembly, Single Row, 4 Circuits, Keying Option A, Black
应用	Power, Wire-to-Wire
个评论	No Connector Position Assurance (CPA)
产品系列	MX150 Sealed and Unsealed Connector System
产品名称	MX150
UPC	756054458051

物理

电路数（最多）	4
颜色-树脂	黑色
性别	Receptacle
符合灼热丝规范	否
插接极性	是
锁定插接部位	是
材料 - 树脂	SPS/Nylon
净重	9.000/g
行数	1
包装形式	Partitioned Carton
面板安装式	否
间距 - 插配接口	3.50mm
有极性的插配件	是

可堆叠的	否
运行温度范围	-40° to +125° C

进程

无铅	不适用
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可配插/可连接使用的产品

可配插部件

描述	产品编号
MX150 Mat-Sealed Single Row Male Connector Assemblies	<u>33481</u>

可连接使用部件

描述	产品编号
MX150 Sealed Receptacle Cavity Plug	<u>/content/molex/molex-dot-com/cn/zh/products/product-page.html/343454001.html</u>
MX150 Female Terminals	<u>33001</u>
MX150 Female Terminals	<u>33012</u>