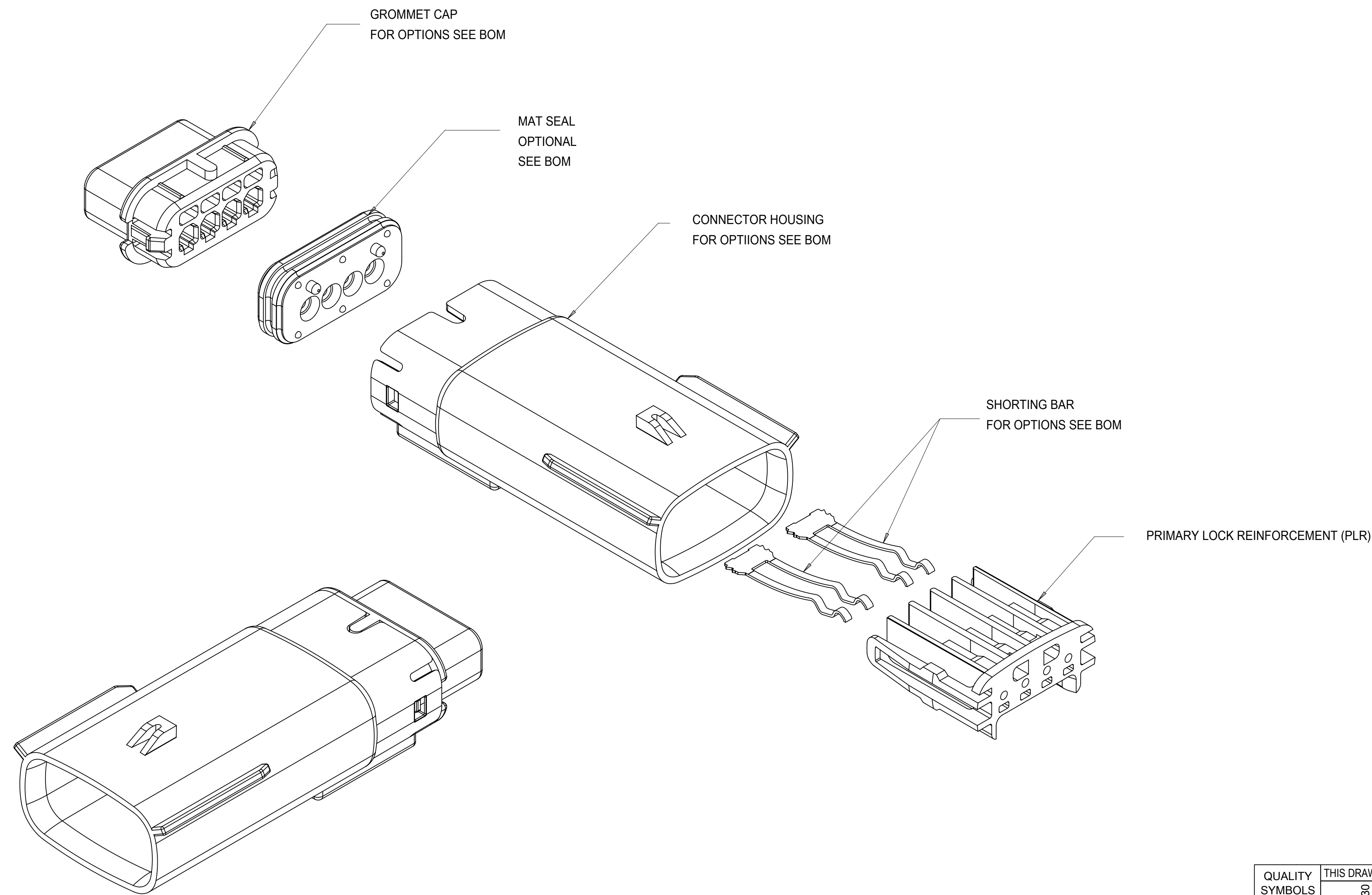


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BOM



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. 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

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

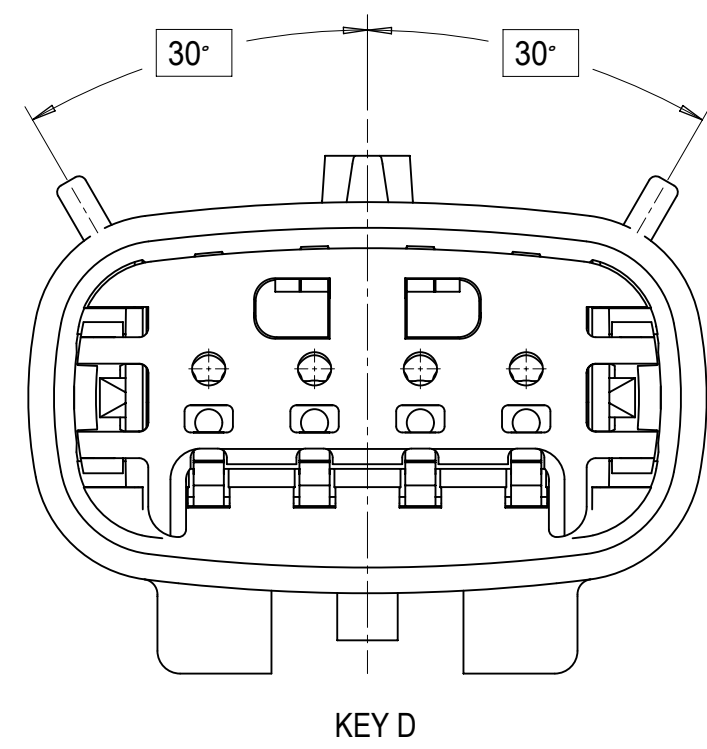
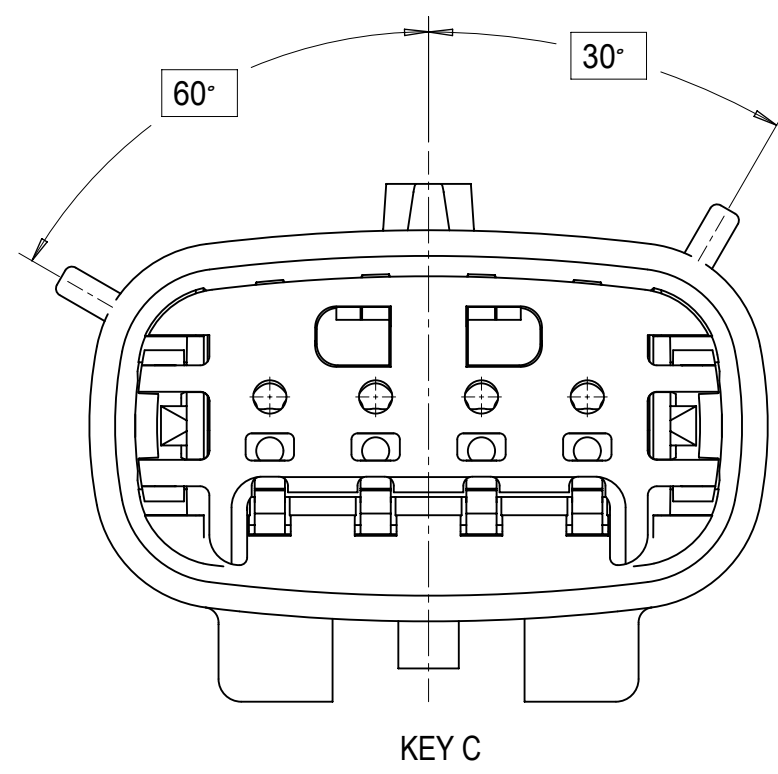
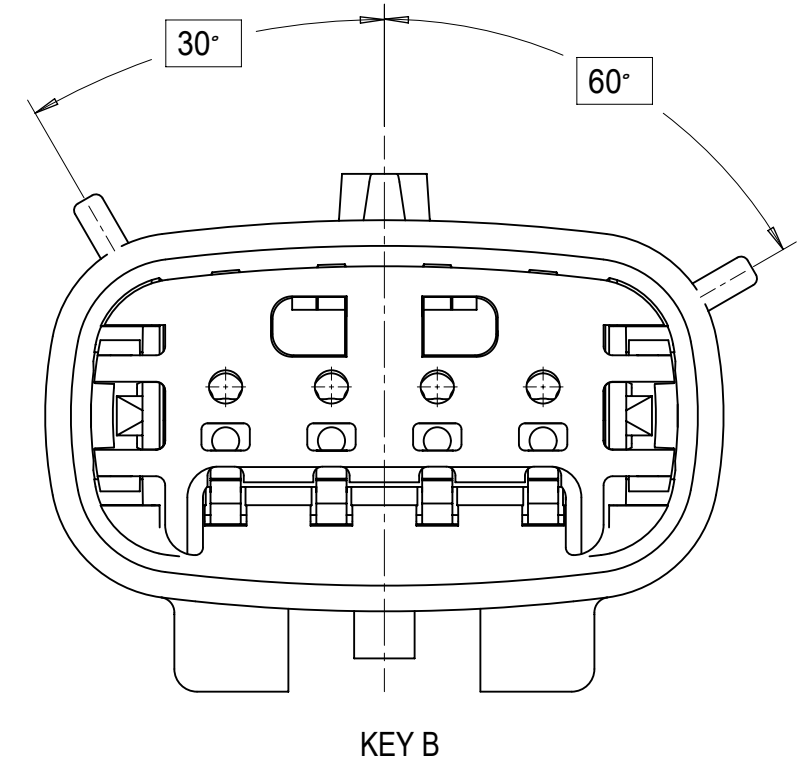
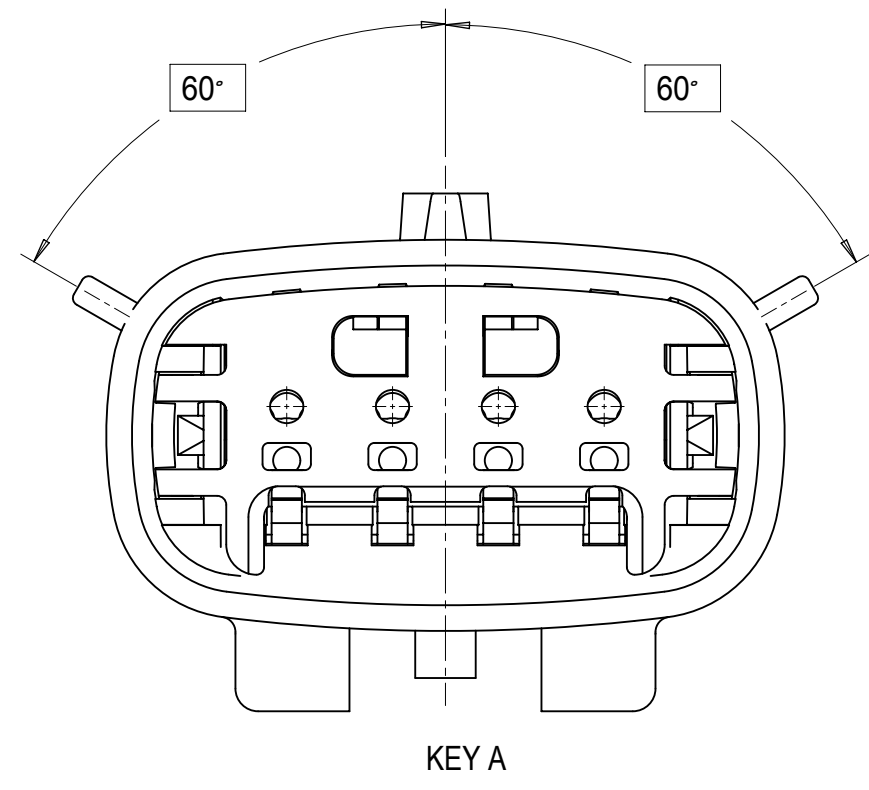
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= 0	EC NO: 167392 DRWN: LSONG05 CHKD: REV APPR: MVANSLAMBROU	2017/10/30 2017/10/31	GENERAL TOLERANCES (UNLESS SPECIFIED)		mm	
= 0			ANGULAR TOL ± 1.0 °		3:1	
= 0			4 PLACES ±		DRWN BY	DATE
= 0			3 PLACES ±		KCUNNINGHAM	2012/08/28
= 0			2 PLACES ± 0.1		CHKD BY	DATE
= 0			1 PLACE ± 0.3		MDICK	2013/03/22
= 0	0 PLACES ±		APPR BY	DATE		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		VKOSHY	2012/09/04		
			DRAWING SIZE	THIRD ANGLE PROJECTION		
			D			
			SERIES		CUSTOMER	
			31280	SEE BOM	GENERAL MARKET	
			DOCUMENT NUMBER		DOC TYPE	
			SD-31280-200		PSD	
			DOC PART		SHEET NUMBER	
			001		1 OF 5	

molex[®]

MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR

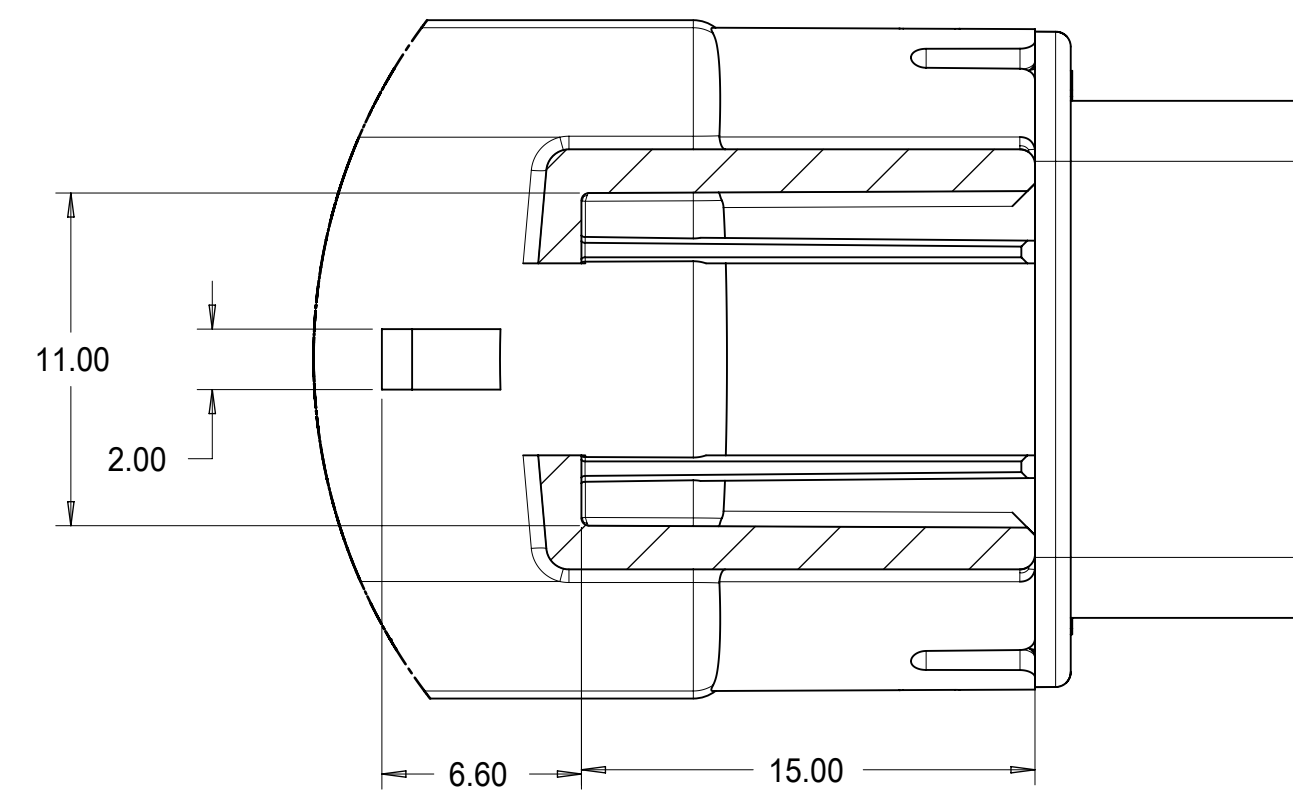
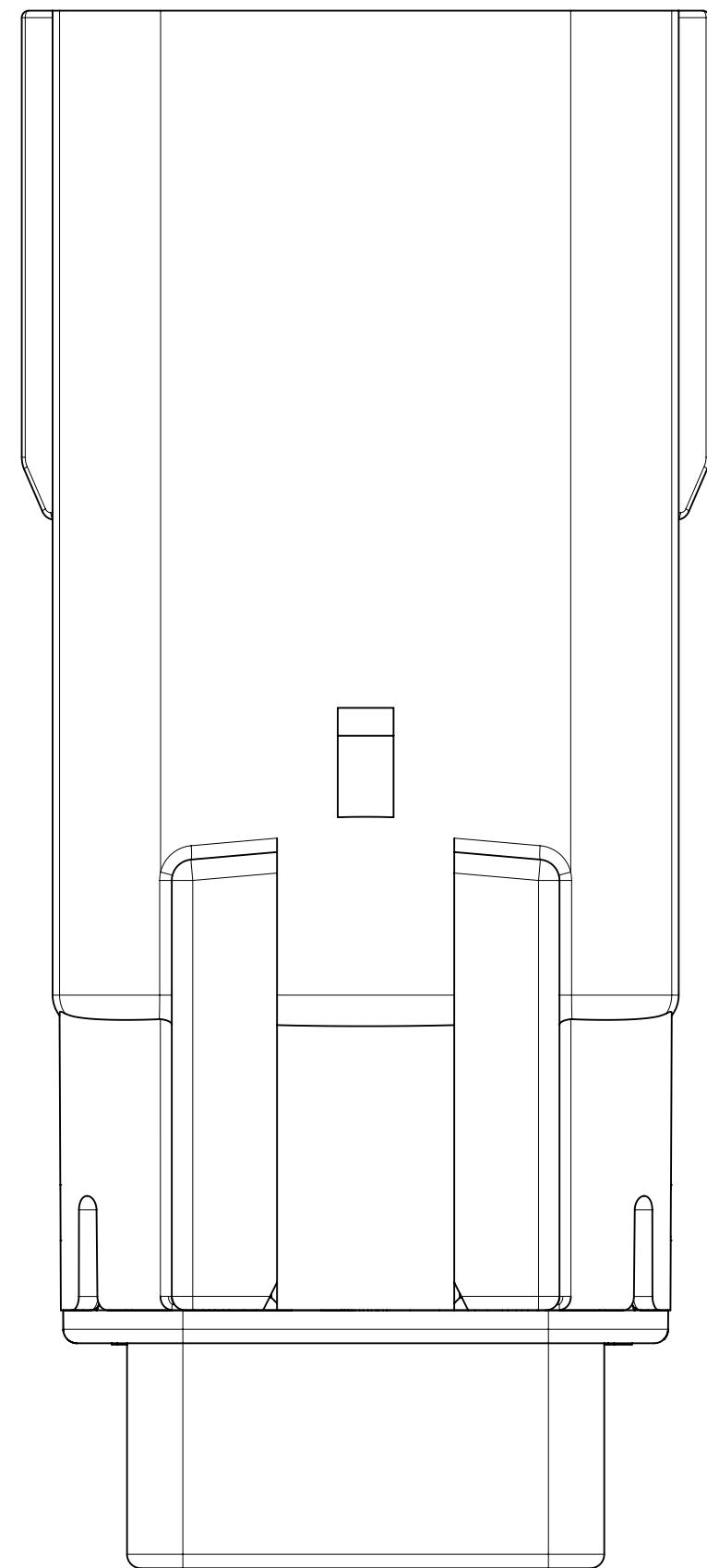
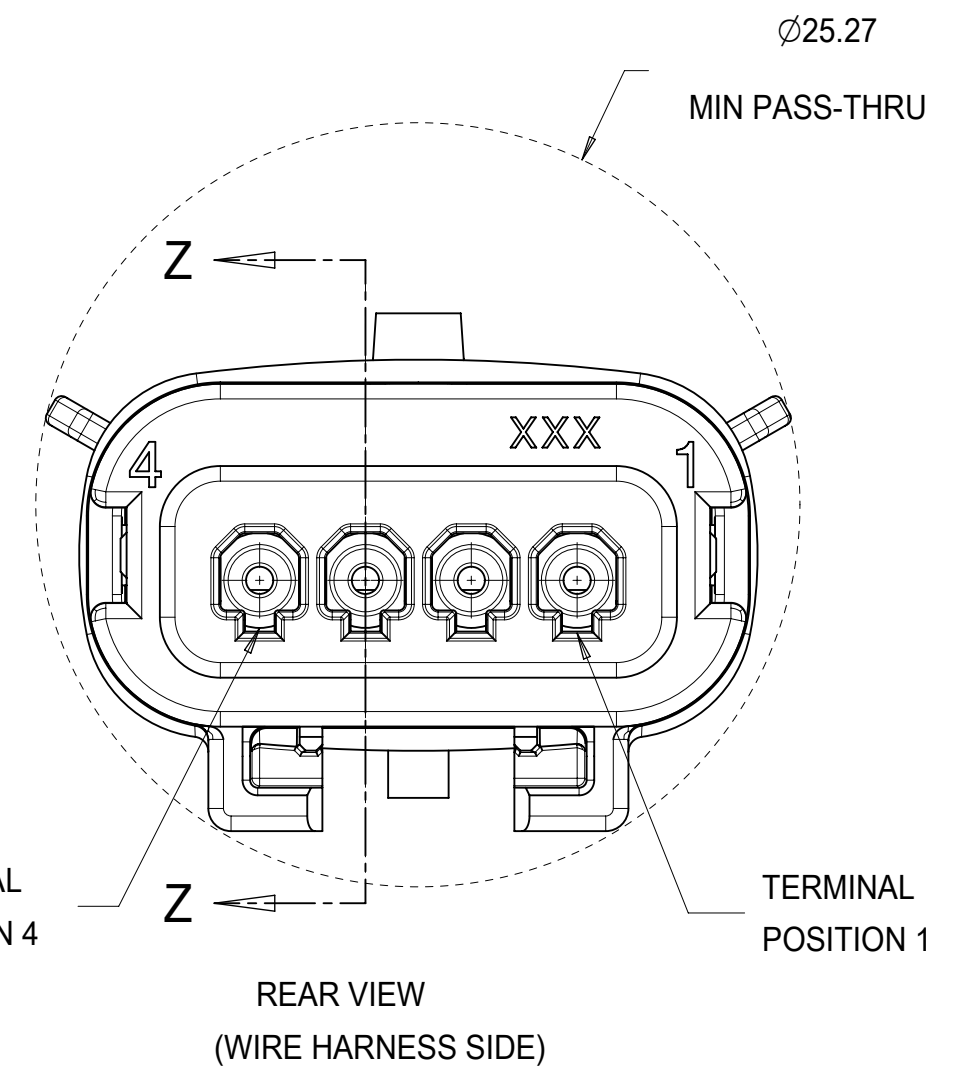
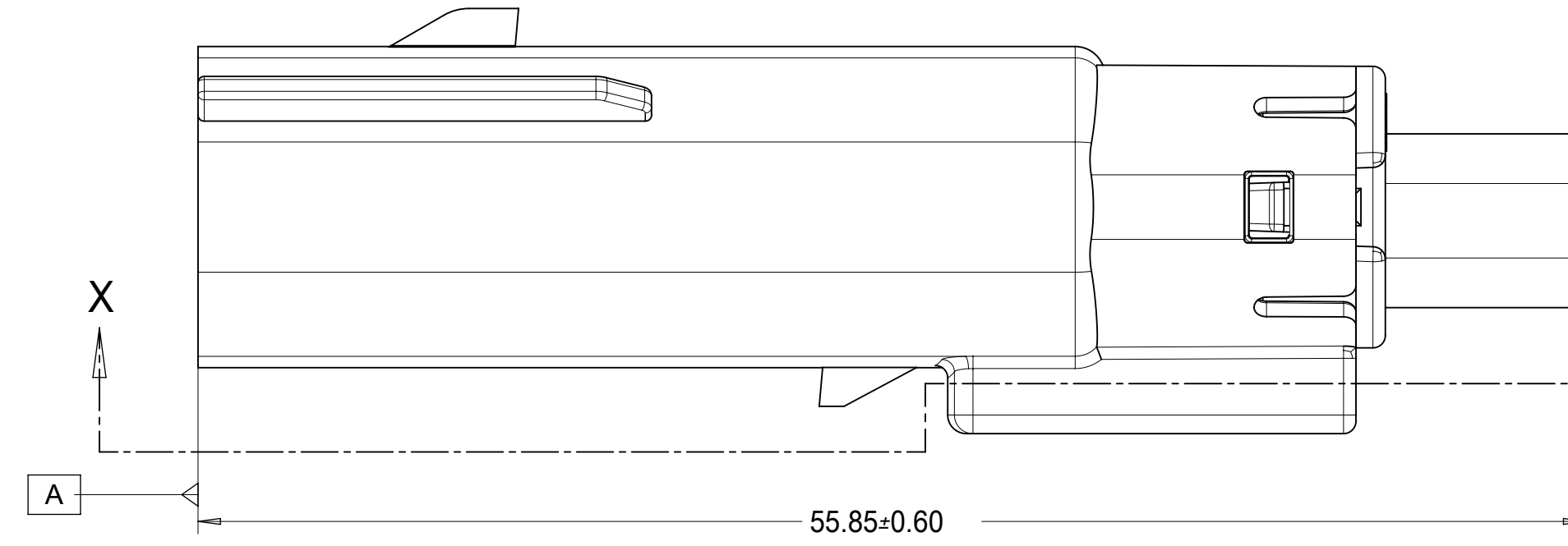
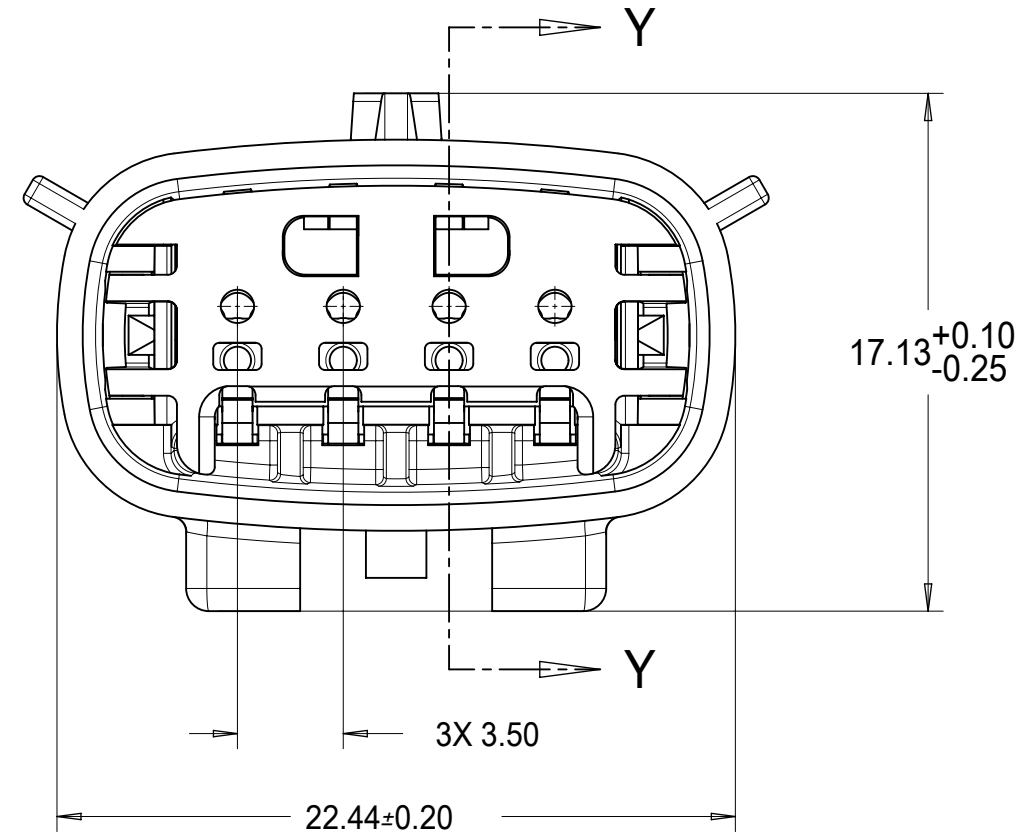
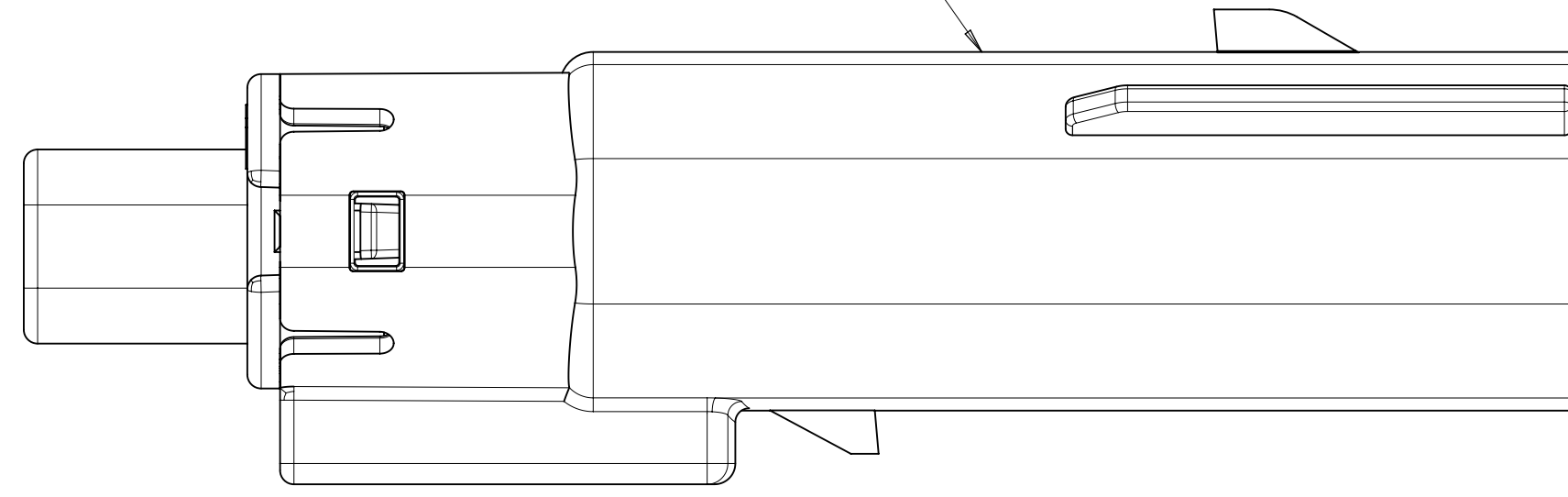
PRODUCT CUSTOMER DRAWING

KEY CONFIGURATIONS

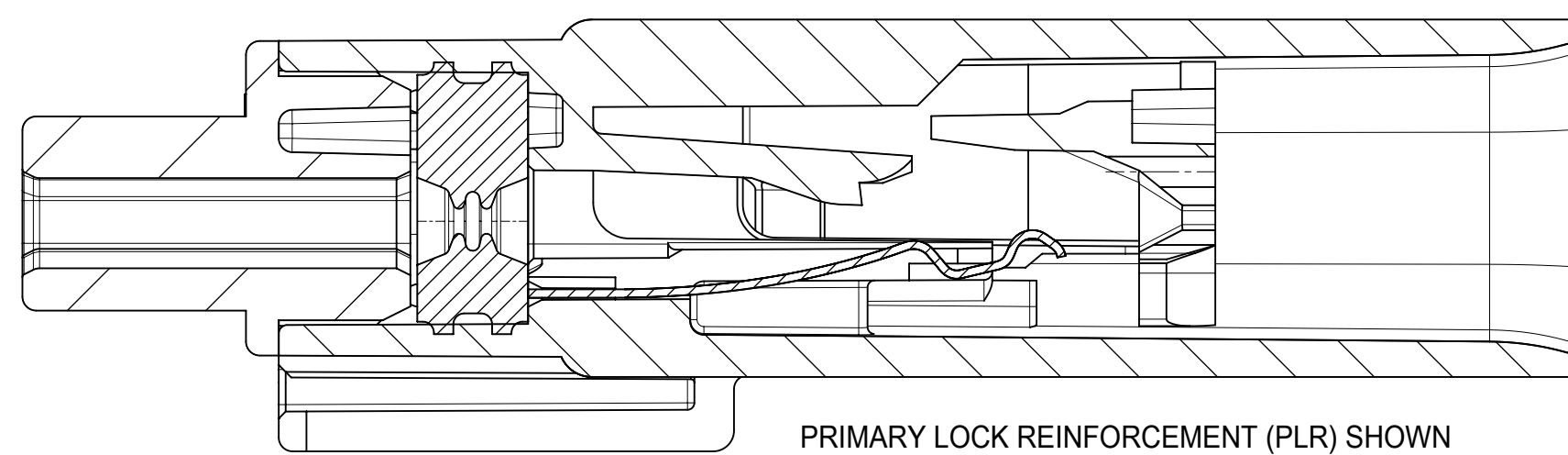


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
QUALITY SYMBOLS	2017/10/30	2017/10/31	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE					
			ANGULAR TOL ± 1.0 °		mm	4:1					
▽ = 0	EC NO: 167392 DRWN: LSONG05 CHKD: REV/ APPR: MVANSLAMBROU	2017/10/31	4 PLACES ±	DRWN BY	DATE	MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR PRODUCT CUSTOMER DRAWING					
▽ = 0			3 PLACES ±	KCUNNINGHAM	2012/08/28						
▽ = 0			2 PLACES ± 0.1	CHKD BY	DATE						
▼ = 0			1 PLACE ± 0.3	MDICK	2013/03/22						
▽ = 0			0 PLACES ±	APPR BY	DATE						
▽ = 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	VKOSHY	2012/09/04						
□ = 0	DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
■ = 0	D				31280		SEE BOM		GENERAL MARKET		
▽ = 0	K2				DOCUMENT NUMBER		DOC TYPE		DOC PART SHEET NUMBER		
					SD-31280-200		PSD		001 2 OF 5		

OPTIONAL LASER MARKING THIS SURFACE
SEE NOTE 3g.

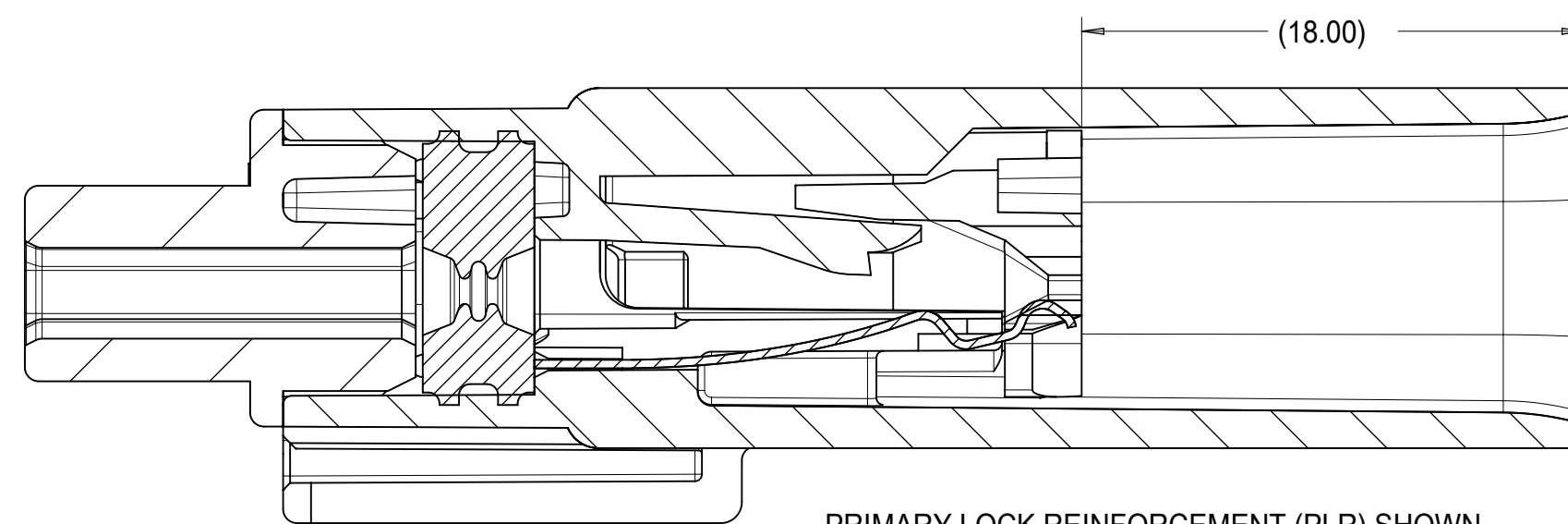


SECTION X-X
SCALE 4:1



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

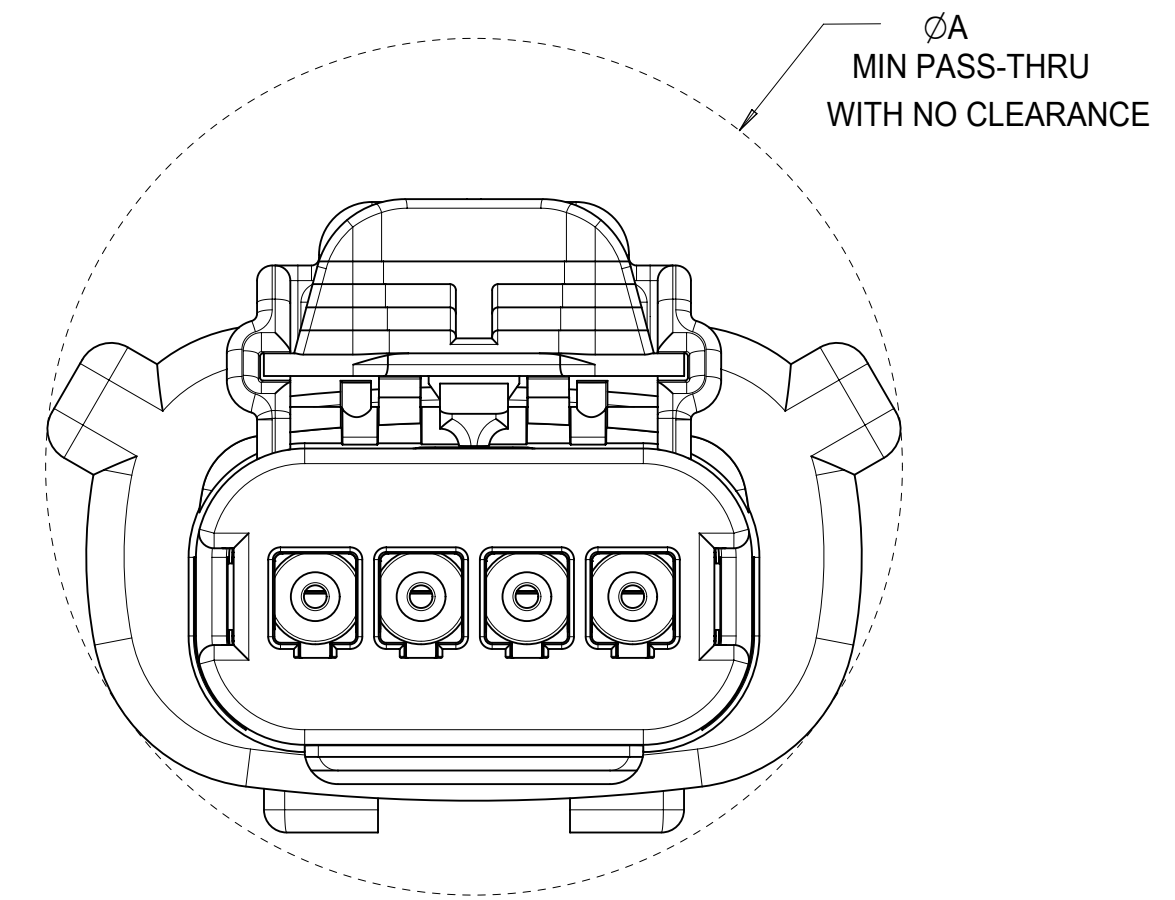
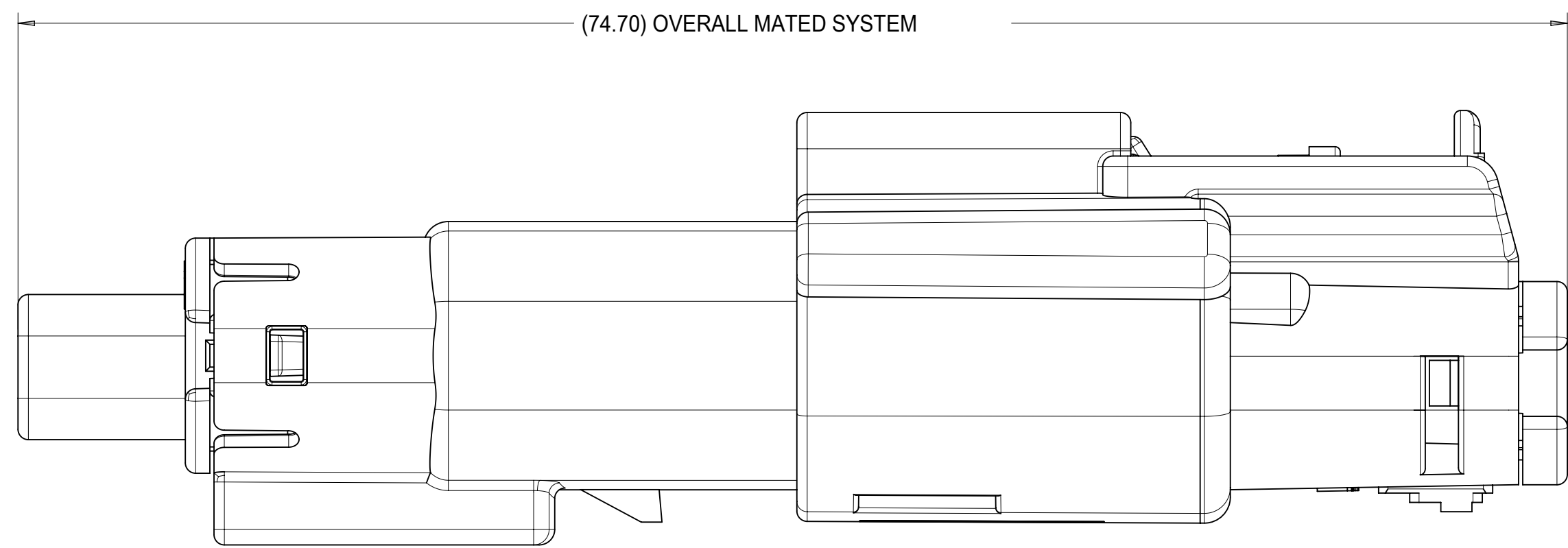
SECTION Z-Z



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									
QUALITY SYMBOLS	EC NO: 167392 DRWN: LSONG05 CHKD: MIVANSLAMBROU REV APPR:	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
		ANGULAR TOL ± 1.0 °		mm	4:1				
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▽ = 0		3 PLACES ±		KCUNNINGHAM	2012/08/28				
▽ = 0		2 PLACES ± 0.1		CHKD BY	DATE	PRODUCT CUSTOMER DRAWING			
▽ = 0		1 PLACE ± 0.3		MDICK	2013/03/22				
▽ = 0		0 PLACES ±		APPR BY	DATE	SERIES: 31280 MATERIAL NUMBER: SEE BOM CUSTOMER: GENERAL MARKET			
▽ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		VKOSHY	2012/09/04				
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
▽ = 0			D		SD-31280-200		PSD	001	3 OF 5



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

QUALITY SYMBOLS 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	2017/10/30	2017/10/31	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE					
	DRWN BY	DATE	ANGULAR TOL ± 1.0 °		mm	4:1					
	EC NO: 167392 DRWN: LSONG05 CHKD: REV APPR: MVANSLAMBROU	4 PLACES ±	KCUNNINGHAM		2012/08/28	MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR					
		3 PLACES ±	CHKD BY	DATE	MDICK					2013/03/22	
		2 PLACES ± 0.1	APPR BY	DATE	VKOSHY					2012/09/04	
		1 PLACE ± 0.3	DRAWING SIZE	THIRD ANGLE PROJECTION						D	
		0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
	K2		SERIES	MATERIAL NUMBER	CUSTOMER	PRODUCT CUSTOMER DRAWING					
			31280	SEE BOM	GENERAL MARKET						
		DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	4 OF 5					
		SD-31280-200	PSD	001							

MOLEX ASSEMBLY PART NUMBER	HOUSING COLOR	KEYING OPTION	CAVITY NUMBER "X" INDICATES PLUGGED POSITION				NUMBER OF PLUGGED POSITIONS	MAT SEAL	SHORTING BAR CIRCUITS 1&2	SHORTING BAR CIRCUITS 3&4
			1	2	3	4				
31280-0436	BLACK	A					0	PRESENT	PRESENT	PRESENT
31280-0437	LIGHT GRAY	B					0	PRESENT	PRESENT	PRESENT
31280-0438	BROWN	C					0	PRESENT	PRESENT	PRESENT
31280-0439	GREEN	D					0	PRESENT	PRESENT	PRESENT
31280-0440	CUSTOM	TBD					0	PRESENT	PRESENT	PRESENT
31280-0441	BLACK	A			X	X	2	PRESENT	PRESENT	NONE
31280-0442	BLACK	A					0	NONE	PRESENT	PRESENT
31280-0443	LIGHT GRAY	B					0	NONE	PRESENT	PRESENT
31280-0444	BROWN	C					0	NONE	PRESENT	PRESENT
31280-0445	GREEN	D					0	NONE	PRESENT	PRESENT
31280-0446	BLACK	A					0	PRESENT	PRESENT	NONE
31280-0447	LIGHT GRAY	B					0	PRESENT	NONE	PRESENT
31280-0448	YELLOW	A					0	PRESENT	PRESENT	PRESENT
31280-0449	YELLOW	A				X	1	PRESENT	PRESENT	NONE
31280-0450	DARK GRAY	C					0	PRESENT	PRESENT	PRESENT
31280-0451	STONE GRAY	D					0	PRESENT	PRESENT	PRESENT

(K2)

MOLEX ASSEMBLY PART NUMBER	HOUSING COLOR	KEYING OPTION	CAVITY NUMBER "X" INDICATES PLUGGED POSITION				NUMBER OF PLUGGED POSITIONS	MAT SEAL	SHORTING BAR CIRCUITS 1&2	SHORTING BAR CIRCUITS 3&4
			1	2	3	4				
31280-4436	BLACK	A					0	PRESENT	PRESENT	PRESENT
31280-4437	LIGHT GRAY	B					0	PRESENT	PRESENT	PRESENT
31280-4438	BROWN	C					0	PRESENT	PRESENT	PRESENT
31280-4439	GREEN	D					0	PRESENT	PRESENT	PRESENT
31280-4440	CUSTOM	TBD					0	PRESENT	PRESENT	PRESENT
31280-4441	BLACK	A			X	X	2	PRESENT	PRESENT	NONE
31280-4442	BLACK	A					0	NONE	PRESENT	PRESENT
31280-4443	LIGHT GRAY	B					0	NONE	PRESENT	PRESENT
31280-4444	BROWN	C					0	NONE	PRESENT	PRESENT
31280-4445	GREEN	D					0	NONE	PRESENT	PRESENT
31280-4446	BLACK	A					0	PRESENT	PRESENT	NONE
31280-4447	LIGHT GRAY	B					0	PRESENT	NONE	PRESENT
31280-4448	YELLOW	A					0	PRESENT	PRESENT	PRESENT
31280-4449	YELLOW	A				X	1	PRESENT	PRESENT	NONE
31280-4450	DARK GRAY	C					0	PRESENT	PRESENT	PRESENT
31280-4451	STONE GRAY	D					0	PRESENT	PRESENT	PRESENT

QUALITY SYMBOLS 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	EC NO: 167392 DRWN: LSONG05 CHKD: REV APPR: MVANSLAMBROU	2017/10/30	2017/10/31	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
		ANGULAR TOL ± 1.0 °		mm	1:1						
		4 PLACES ±	DRWN BY		DATE		MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL, SHORTING BAR				
		3 PLACES ±	KCUNNINGHAM		2012/08/28						
		2 PLACES ± 0.1	CHKD BY		DATE						
	1 PLACE ± 0.3	MDICK		2013/03/22		PRODUCT CUSTOMER DRAWING					
	0 PLACES ±	APPR BY		DATE							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		VKOSHY		2012/09/04		SERIES	MATERIAL NUMBER	CUSTOMER		
			D		THIRD ANGLE PROJECTION		31280	SEE BOM	GENERAL MARKET		
		K2		D		DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	
						SD-31280-200		PSD	001	5 OF 5	

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SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
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).

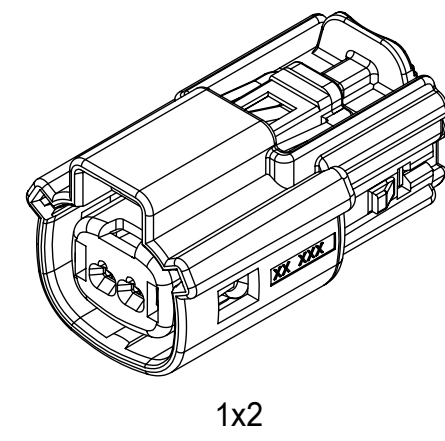
g. LASER MARKING:

- PART NUMBER
- DAY OF THE YEAR
- SHIFT
- YEAR

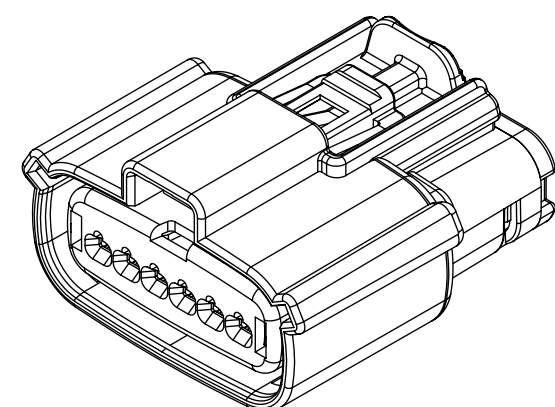
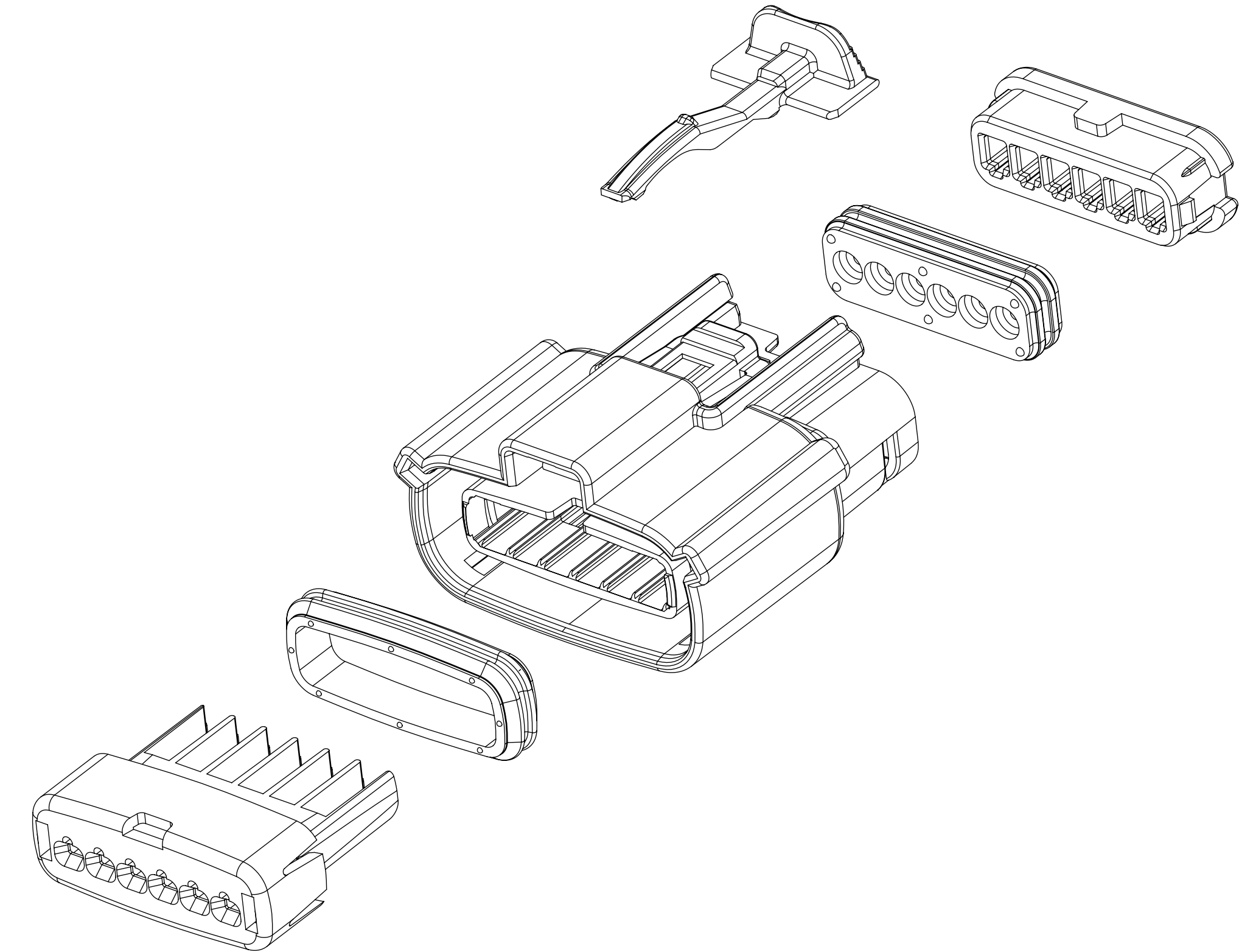
FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.

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



1x2



1x6

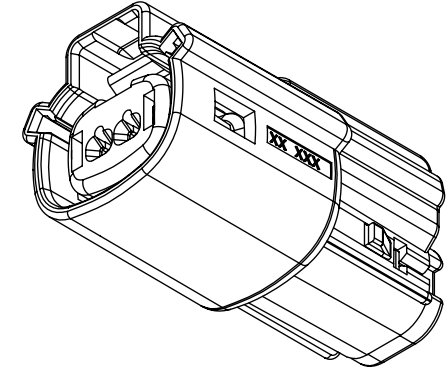
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A1	UPDATED THE DRAWING FRAME
A	MINOR GEOMETRY CHANGE FOR UL V0
2	UPDATE VIEWSETS
1	INITIAL RELEASE

INSPECTION NUMBER LOG	
LAST NUMBER: 11	ADDED: 11
REMOVED:	

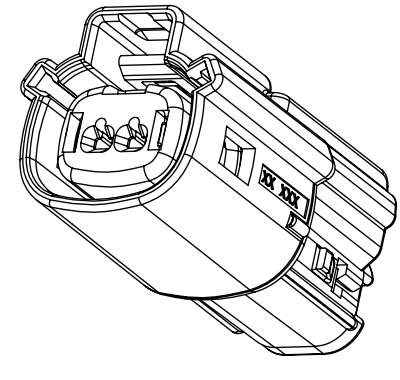
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DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 643941		MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL		
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DIVISIONAL SYMBOLS	FD = 0	4 PLACES ±	CHK'D: JDENG02 2020/08/26		PRODUCT CUSTOMER DRAWING		
		3 PLACES ±	APPR: JDENG02 2020/08/26				
		2 PLACES ± 0.1	INITIAL REVISION:				
		1 PLACE ± 0.2	DRWN: APROFFITT 2015/11/04				
	0 PLACES ±	APPR: KDEKOSHI 2016/06/14		DOCUMENT NUMBER: SD-33471-0001			
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	1 OF 8

SHEET DESCRIPTION

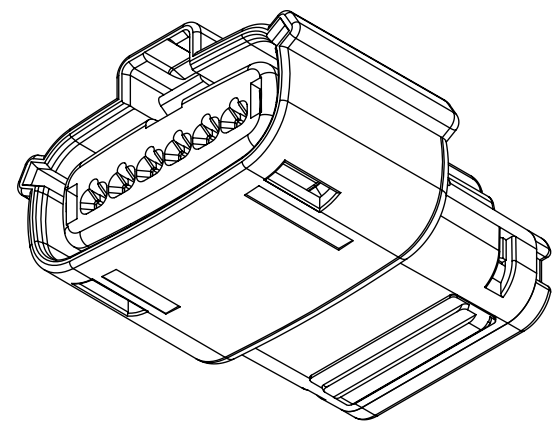
CONFIGURATIONS



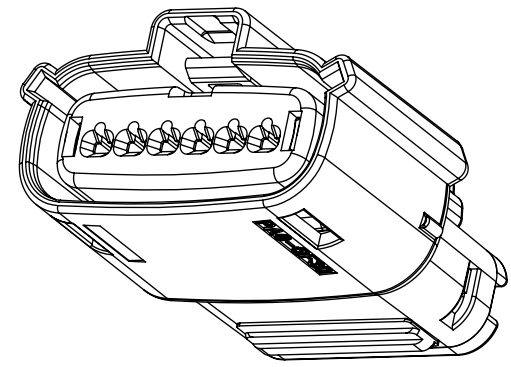
1x2 - STD



1x2 - UL V0*



1x6 - STD



1x6 - UL V0*

*MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION
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		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
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$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\nabla_D = 0$	ANGULAR TOL $\pm 1.0^\circ$		
DIVISIONAL SYMBOLS	4 PLACES	\pm	
	3 PLACES	\pm	
	2 PLACES	± 0.1	
	1 PLACE	± 0.2	
	0 PLACES	\pm	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: D-SIZE SERIES: 33471
DOCUMENT STATUS	P1	RELEASE DATE	DOCUMENT NUMBER: SD-33471-0001 DOC TYPE: PSD DOC PART: 001 REVISION: A1
2020/08/26	07:23:52		MATERIAL NUMBER: SEE NOTE 2a CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 8

molex

MX150 RCPT
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

SD-33471-0001

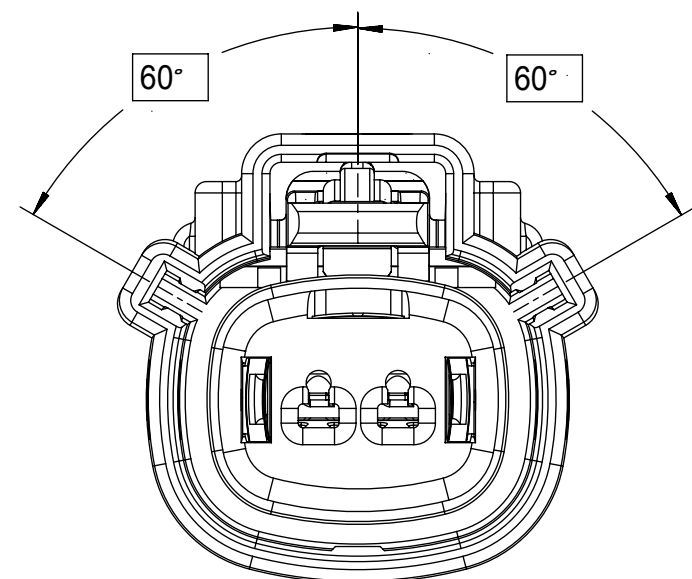
PSD 001 A1

SEE NOTE 2a GENERAL MARKET 2 OF 8

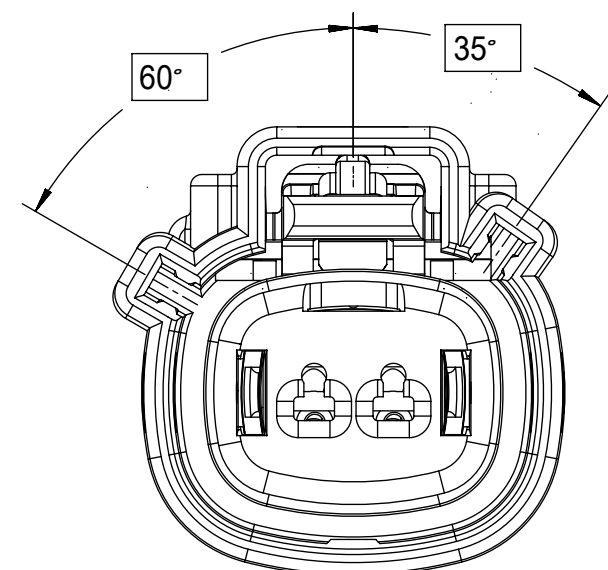
SHEET DESCRIPTION

KEY CONFIGURATIONS

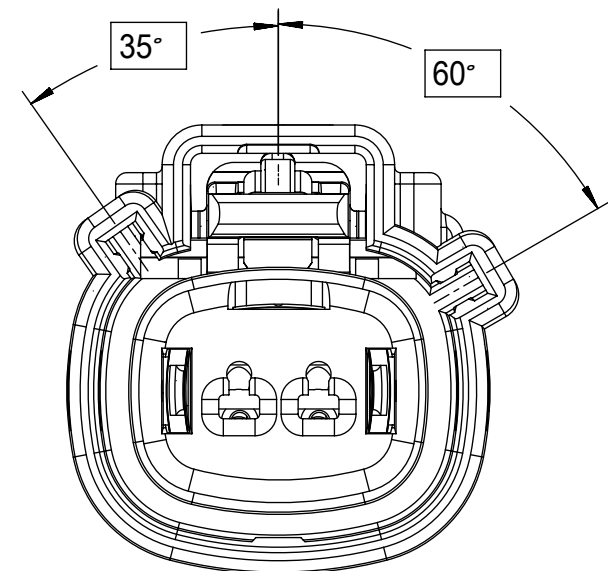
1X2



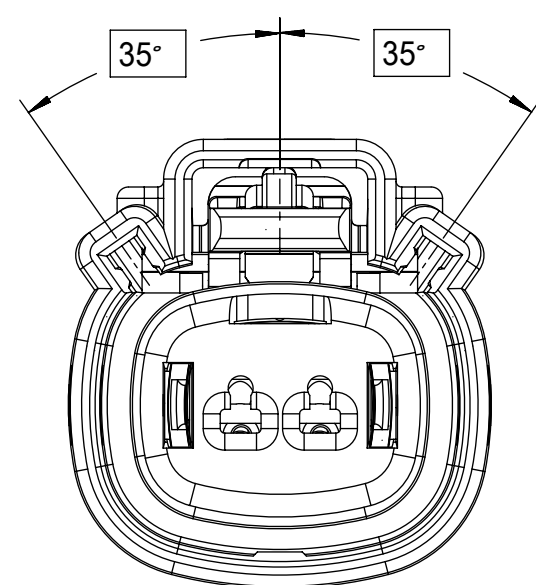
KEY A



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:
$\nabla_A = 0$	mm	3:1	
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		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
$\nabla_P = 0$	ANGULAR TOL $\pm 1.0^\circ$		
DIVISIONAL SYMBOLS	4 PLACES	\pm	
	3 PLACES	\pm	
	2 PLACES	± 0.1	
	1 PLACE	± 0.2	
	0 PLACES	\pm	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING D-SIZE SERIES 33471 MATERIAL NUMBER SEE NOTE 2a CUSTOMER GENERAL MARKET SHEET NUMBER 3 OF 8

molex

MX150 RCPT
SINGLE ROW SEALED ASSY MAT SEAL

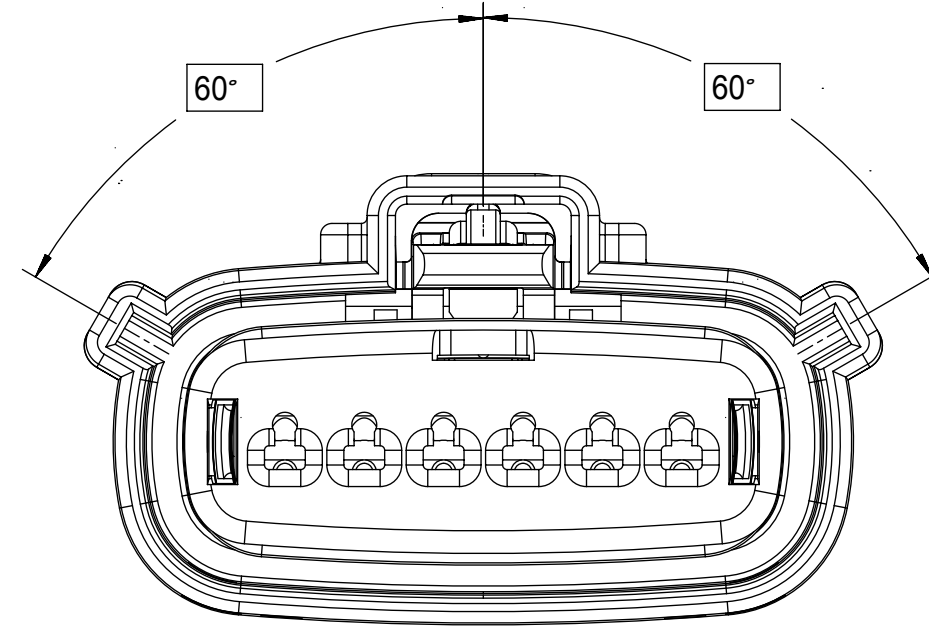
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33471-0001	PSD	001	A1

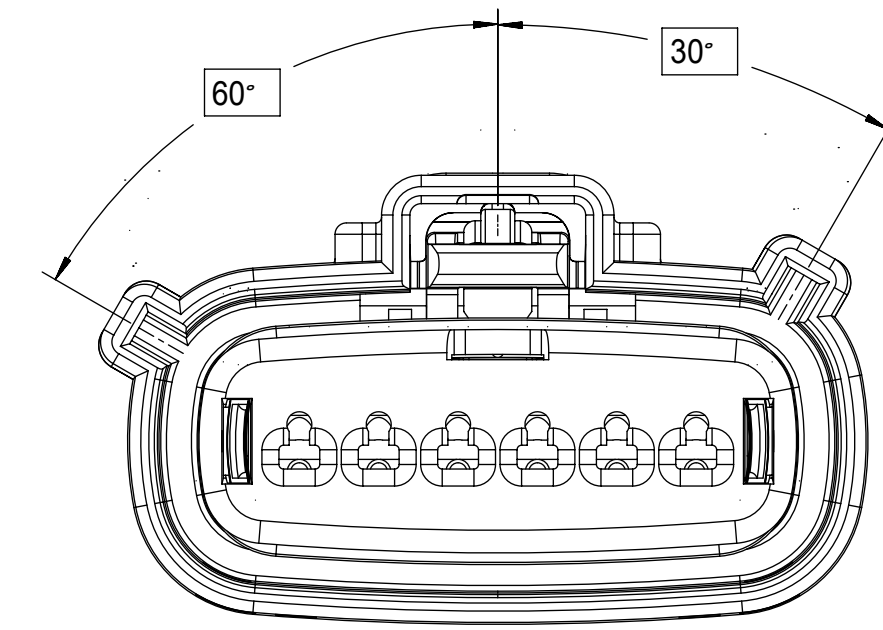
SHEET DESCRIPTION

KEY CONFIGURATIONS CONT.

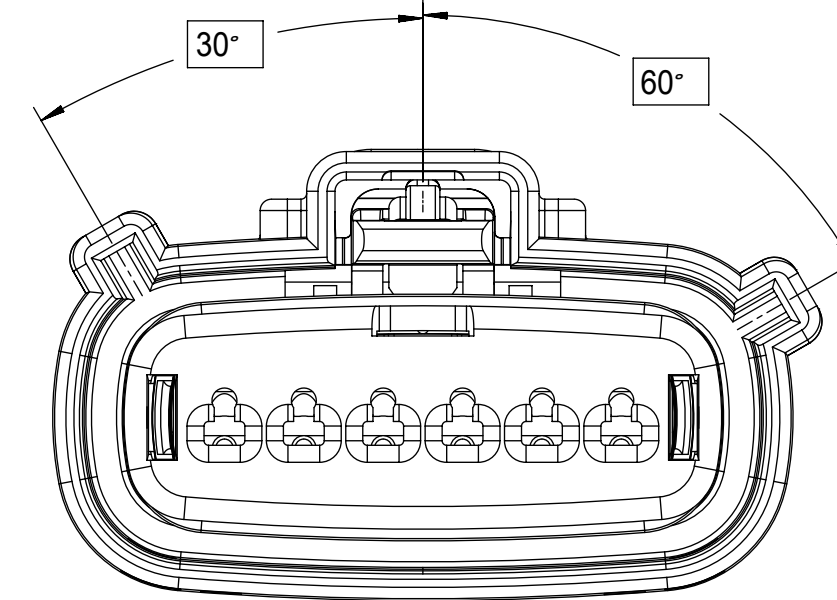
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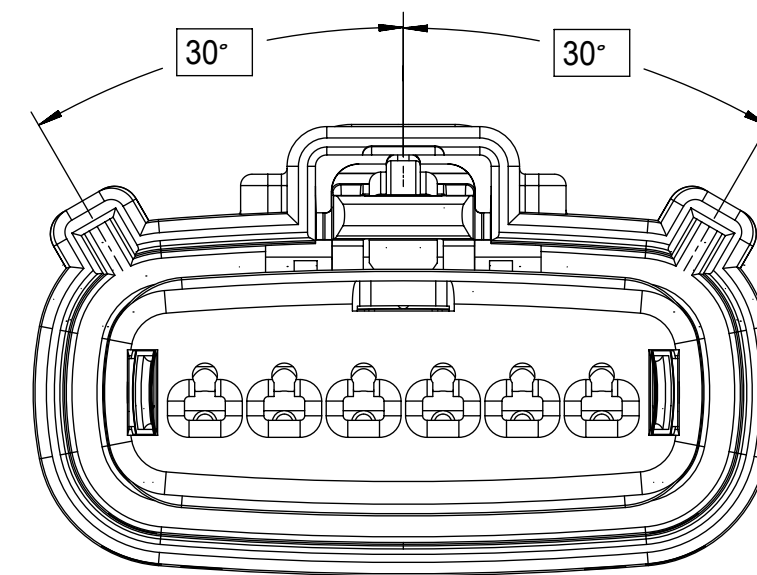
KEY A



KEY B



KEY C



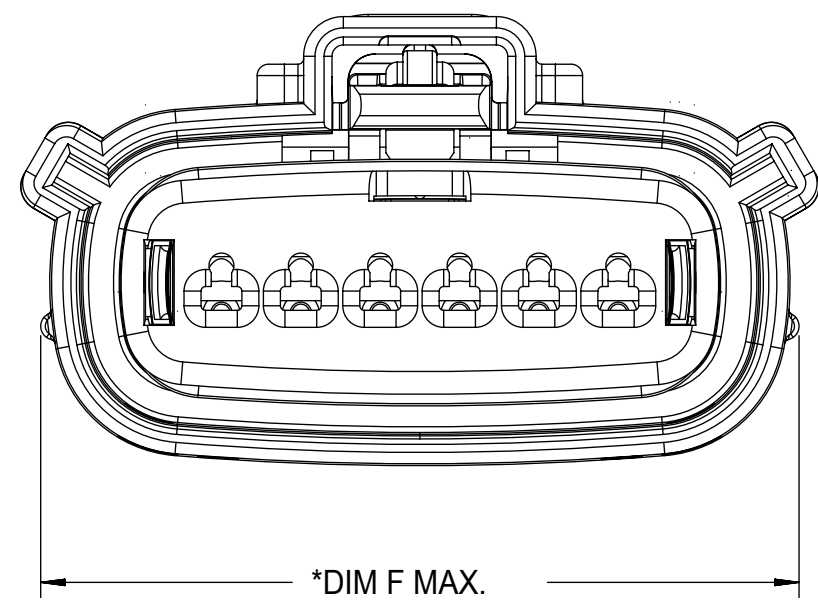
KEY D

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:						
	DIMENSION UNITS	SCALE							EC NO: 643941 DRWN: XLDONG03 2020/08/21 CHK'D: JDENG02 2020/08/26 APPR: JDENG02 2020/08/26
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DIVISIONAL SYMBOLS	4 PLACES	\pm			MATERIAL NUMBER		CUSTOMER		
	3 PLACES	\pm			SEE NOTE 2a		GENERAL MARKET		
	2 PLACES	± 0.1	SERIES		SHEET NUMBER				
	1 PLACE	± 0.2	D-SIZE		4 OF 8				
	0 PLACES	\pm	THIRD ANGLE PROJECTION						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING						

SHEET DESCRIPTION

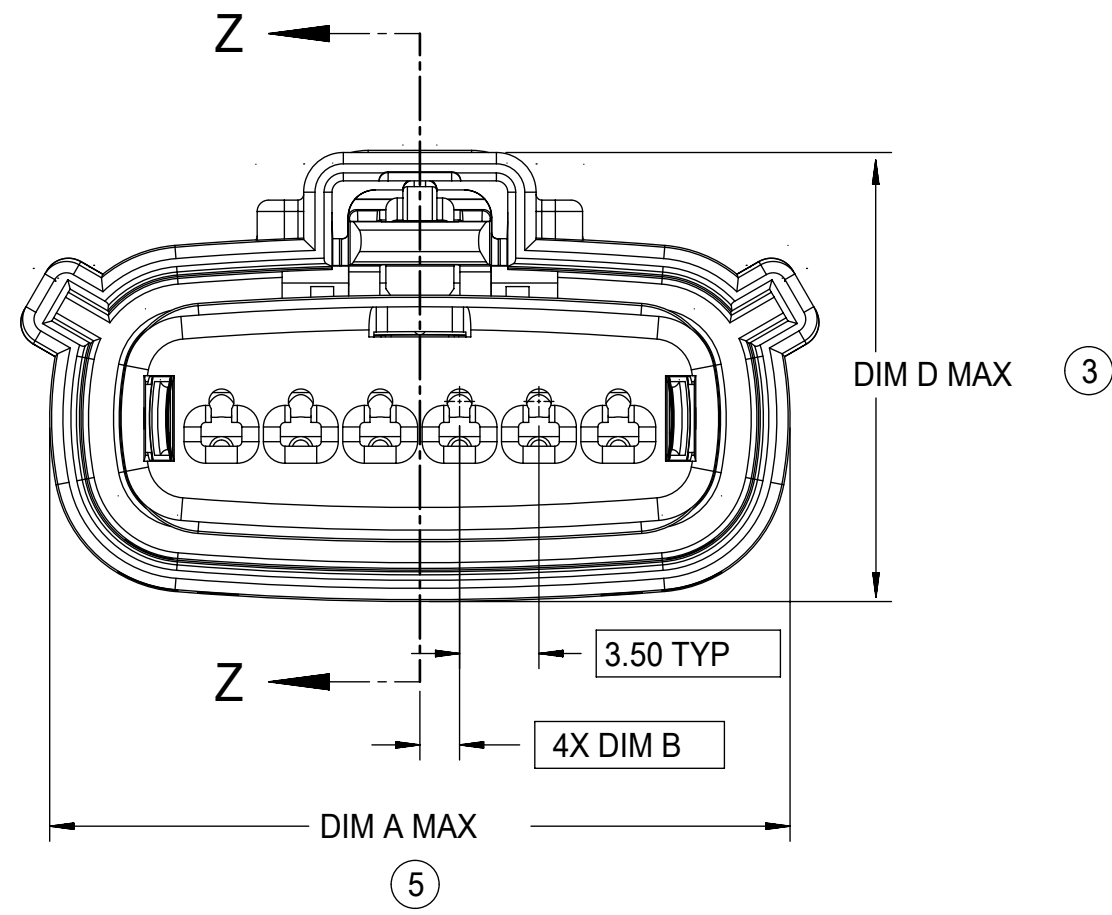
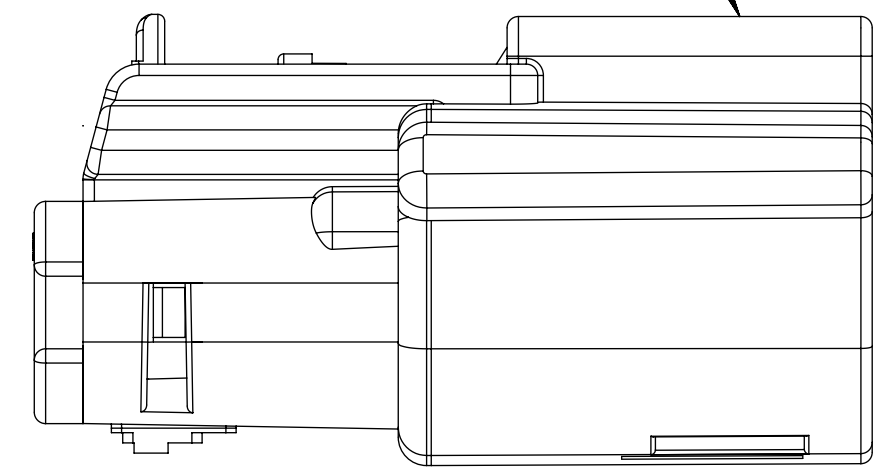
RECEPTACLE CONNECTOR ASSEMBLY - STD

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



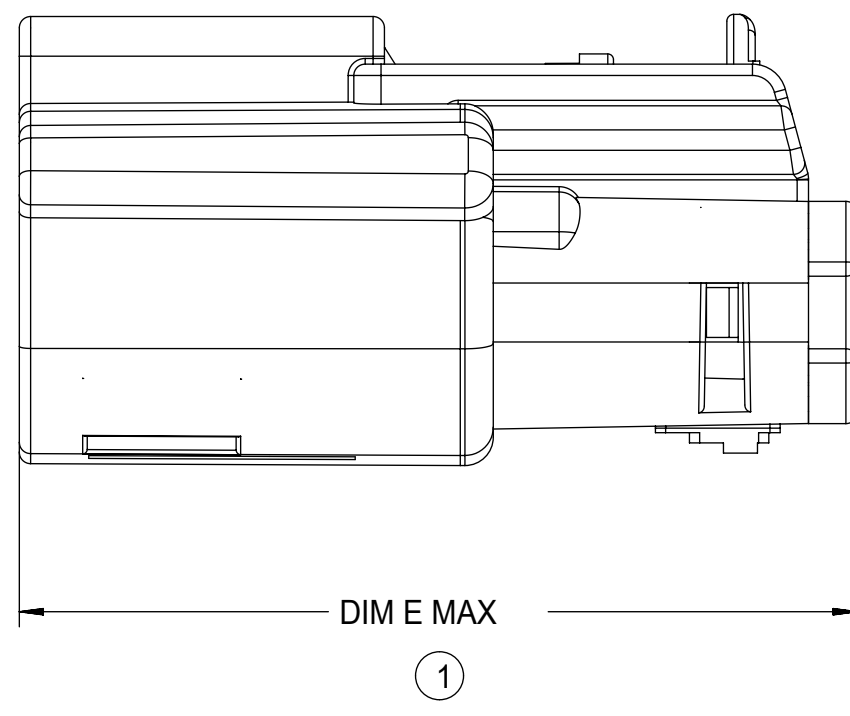
*DIM F MAX.
*APPLIE TO UL V0 CONFIGURATIONS ONLY
①

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



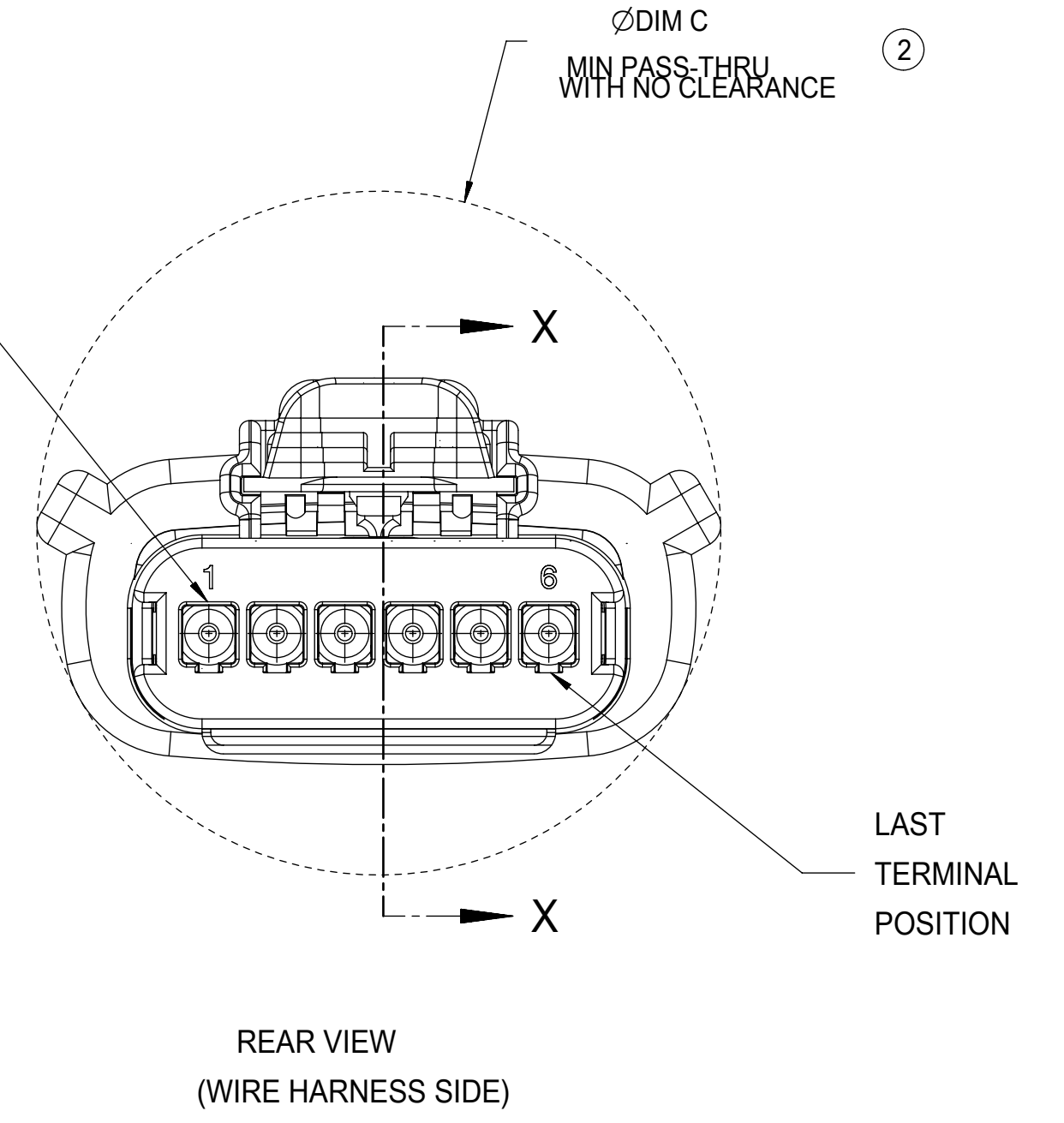
DIM D MAX ③

3.50 TYP
4X DIM B
DIM A MAX ⑤



DIM E MAX ①

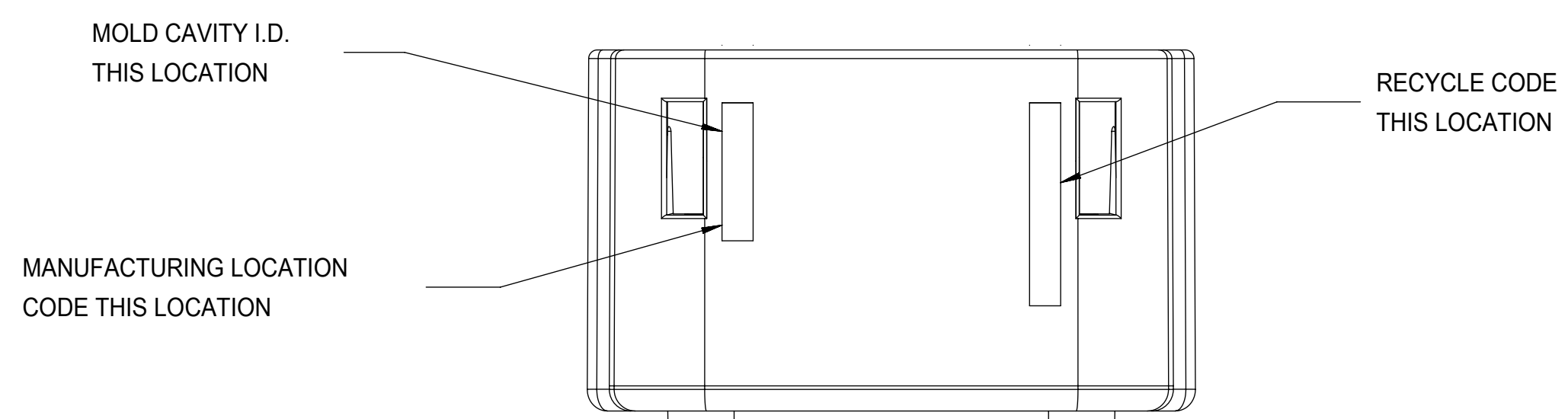
TERMINAL POSITION 1



ØDIM C
MIN PASS-THRU
WITH NO CLEARANCE ②

LAST
TERMINAL
POSITION

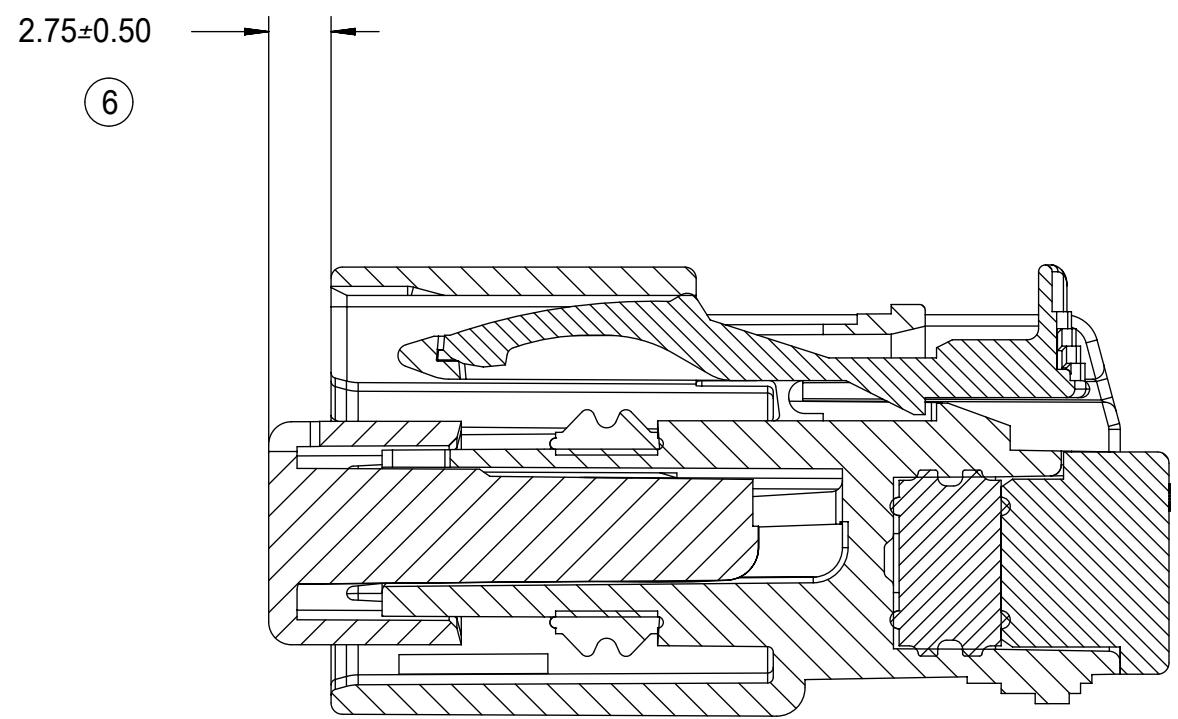
REAR VIEW
(WIRE HARNESS SIDE)



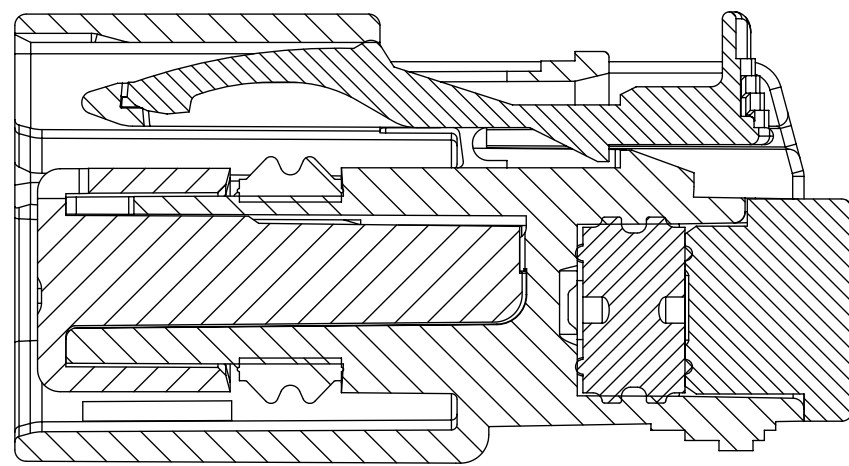
MOLD CAVITY I.D.
THIS LOCATION

MANUFACTURING LOCATION
CODE THIS LOCATION

RECYCLE CODE
THIS LOCATION



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



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

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		
	DIMENSION UNITS	SCALE	EC NO: 643941		
	mm	3:1	DRWN: XLDONG03 2020/08/21		
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: JDENG02 2020/08/26		
ANGULAR TOL ± 1.0°		APPR: JDENG02 2020/08/26		PRODUCT CUSTOMER DRAWING	
4 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE
3 PLACES ±		DRWN: APROFFITT 2015/11/04		SD-33471-0001	PSD
2 PLACES ± 0.1		APPR: KDEKOSKI 2016/06/14		001	A1
1 PLACE ± 0.2		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		REVISION	
0 PLACES ±		THIRD ANGLE PROJECTION	DRAWING	SERIES	CUSTOMER
			D-SIZE	33471	GENERAL MARKET
				MATERIAL NUMBER	SHEET NUMBER
				SEE NOTE 2a	5 OF 8

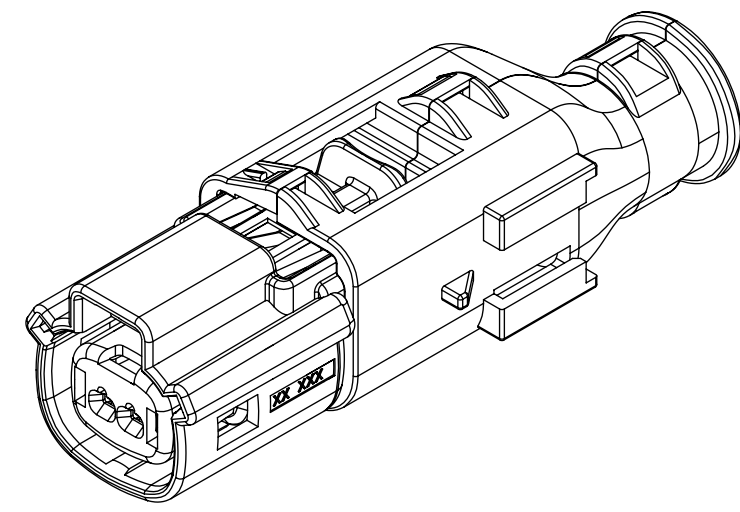
SHEET DESCRIPTION

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

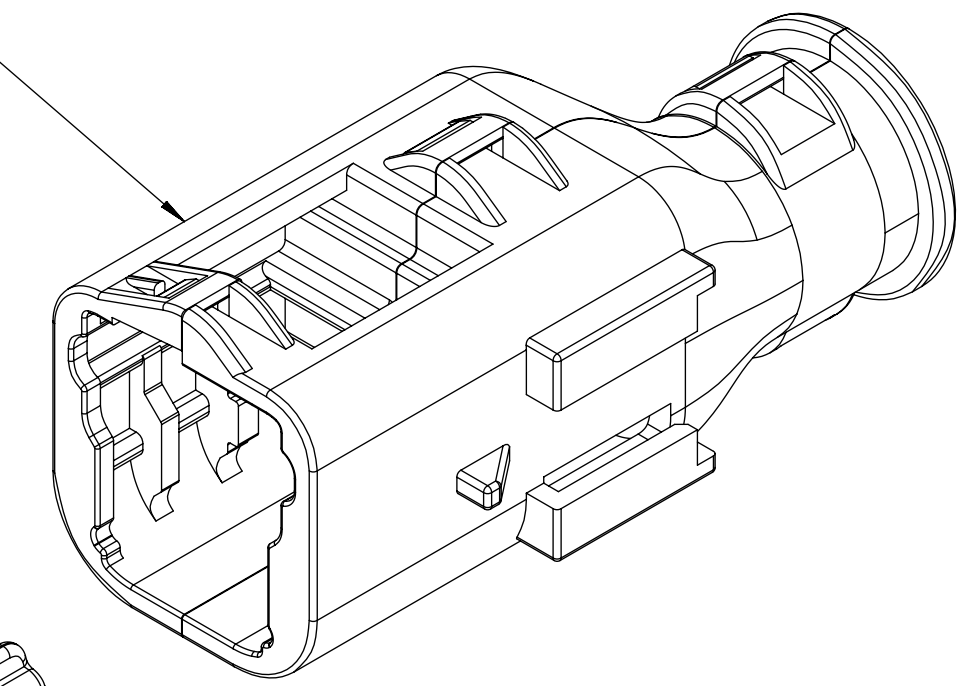
- 0 - BACKSHELL ONLY
- 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
- 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
- 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
- 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

BACKSHELL FEATURES

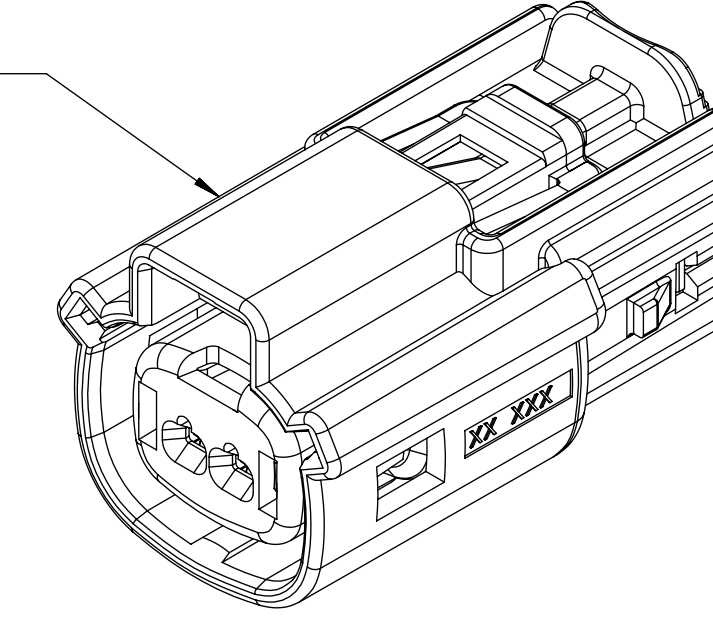
- 1 - WITH RIBS
- 2 - WITHOUT RIBS

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		
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$\nabla_P = 0$	ANGULAR TOL	$\pm 1.0^\circ$	INITIAL REVISION: DRWN: APROFFITT 2015/11/04 APPR: KDEKOSKI 2016/06/14
DIVISIONAL SYMBOLS	4 PLACES	\pm	
	3 PLACES	\pm	DOCUMENT NUMBER SD-33471-0001 DOC TYPE PSD DOC PART 001 REVISION A1
	2 PLACES	± 0.1	
	1 PLACE	± 0.2	MATERIAL NUMBER SEE NOTE 2a CUSTOMER GENERAL MARKET SHEET NUMBER 6 OF 8
	0 PLACES	\pm	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING D-SIZE
			SERIES 33471

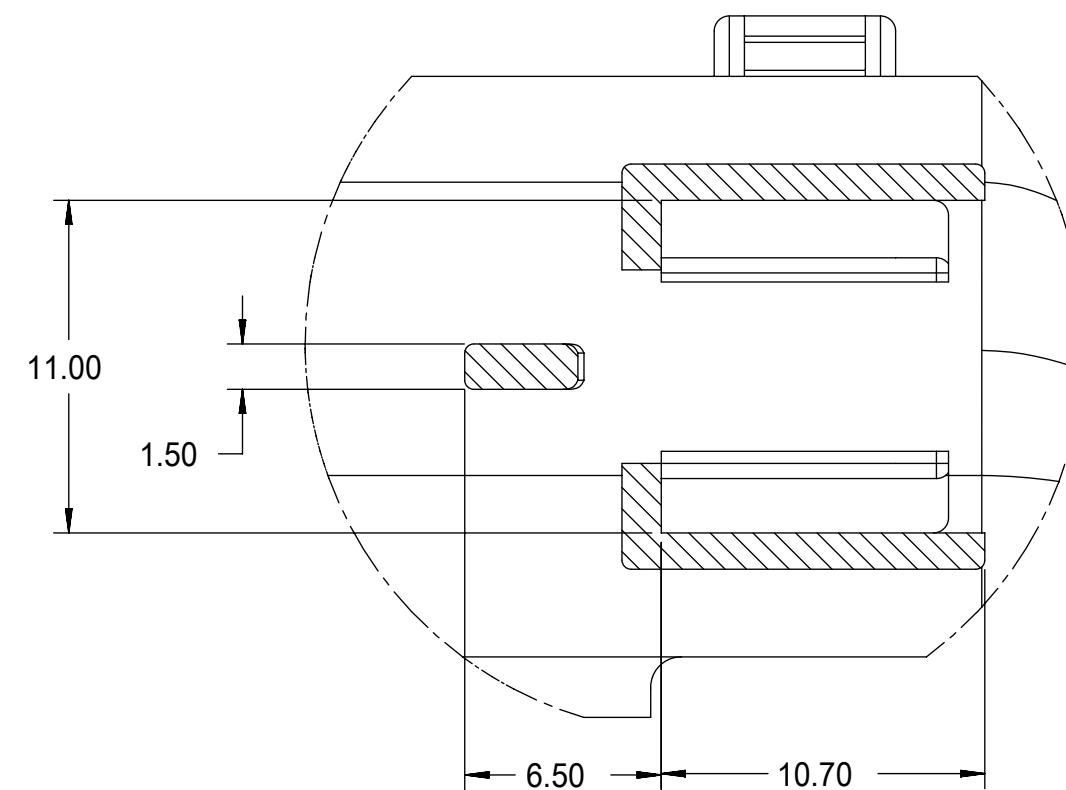
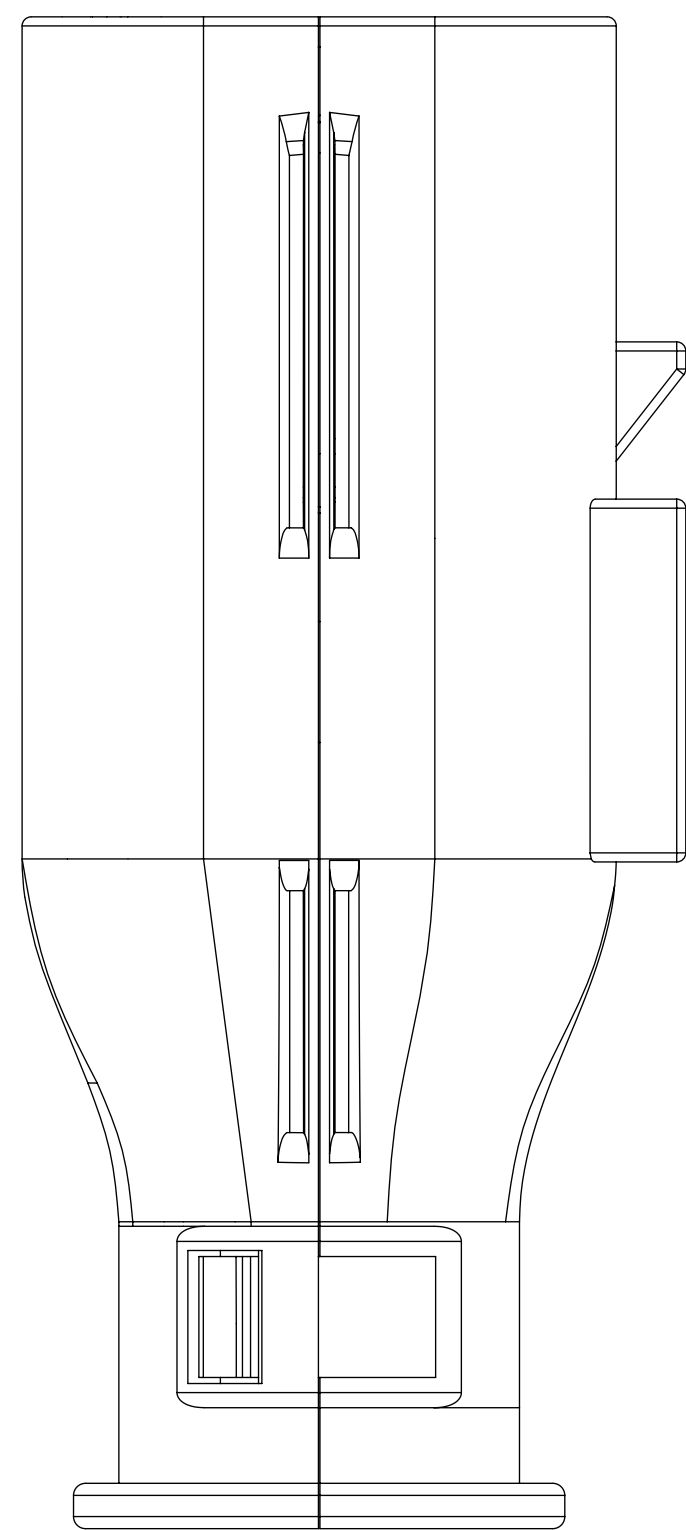
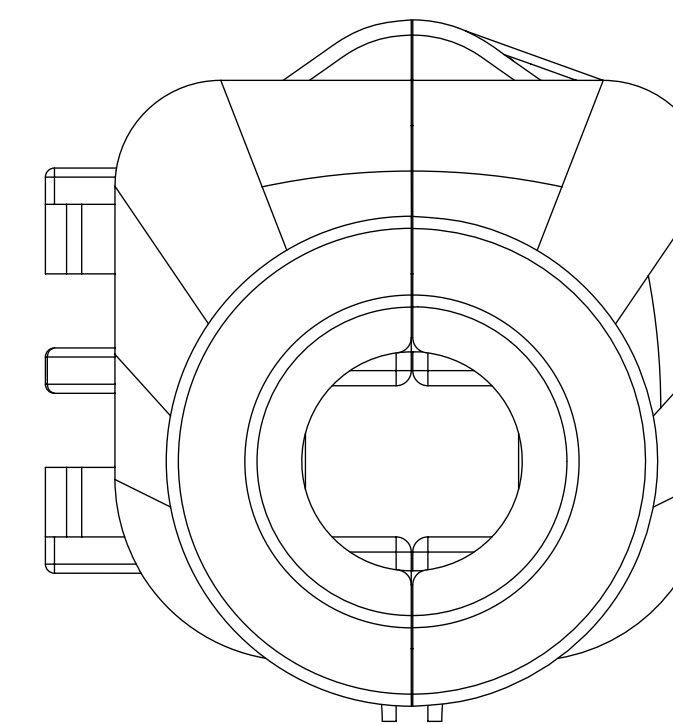
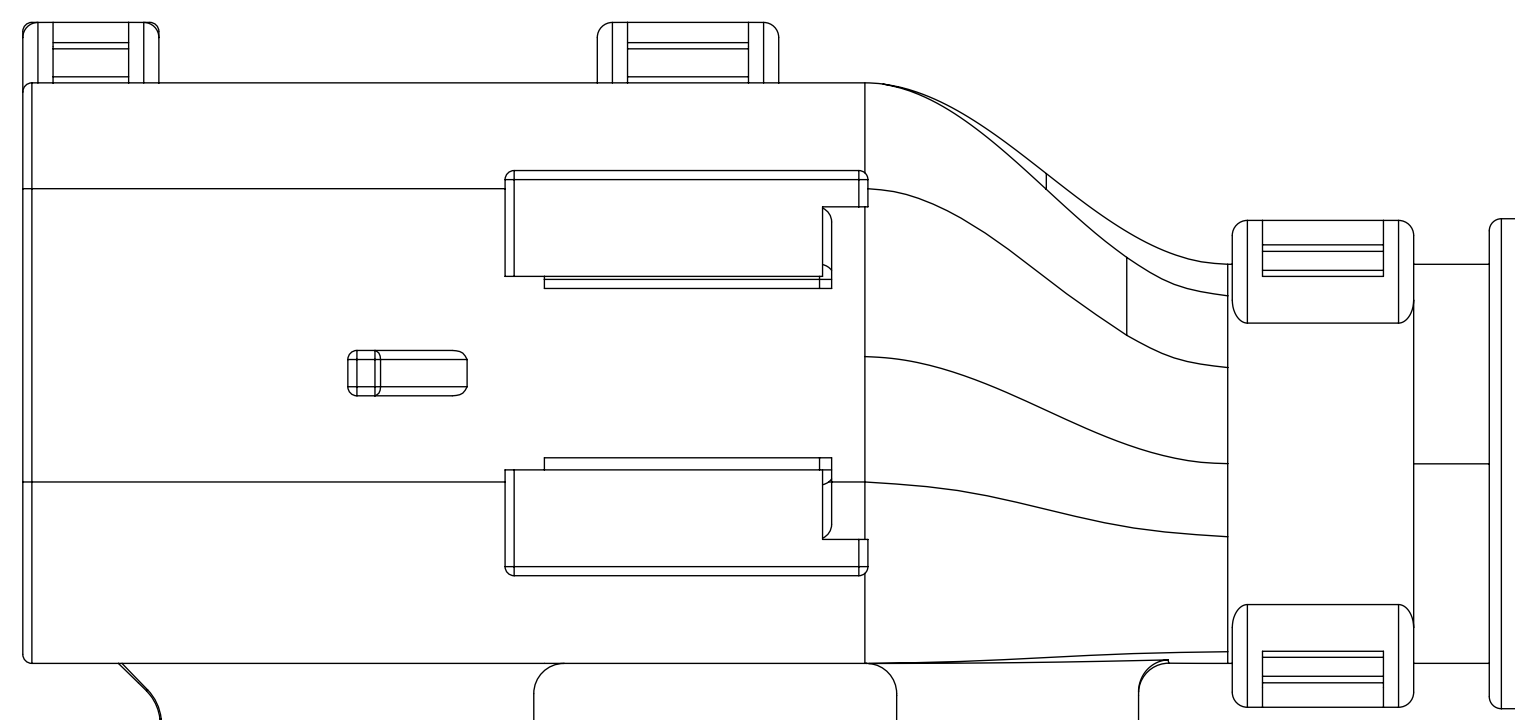
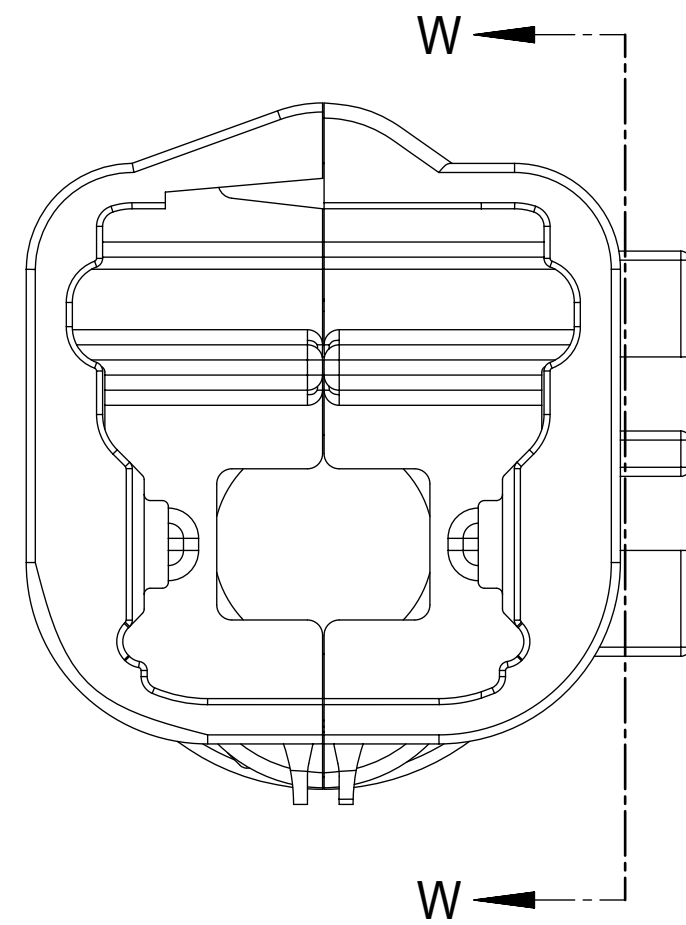
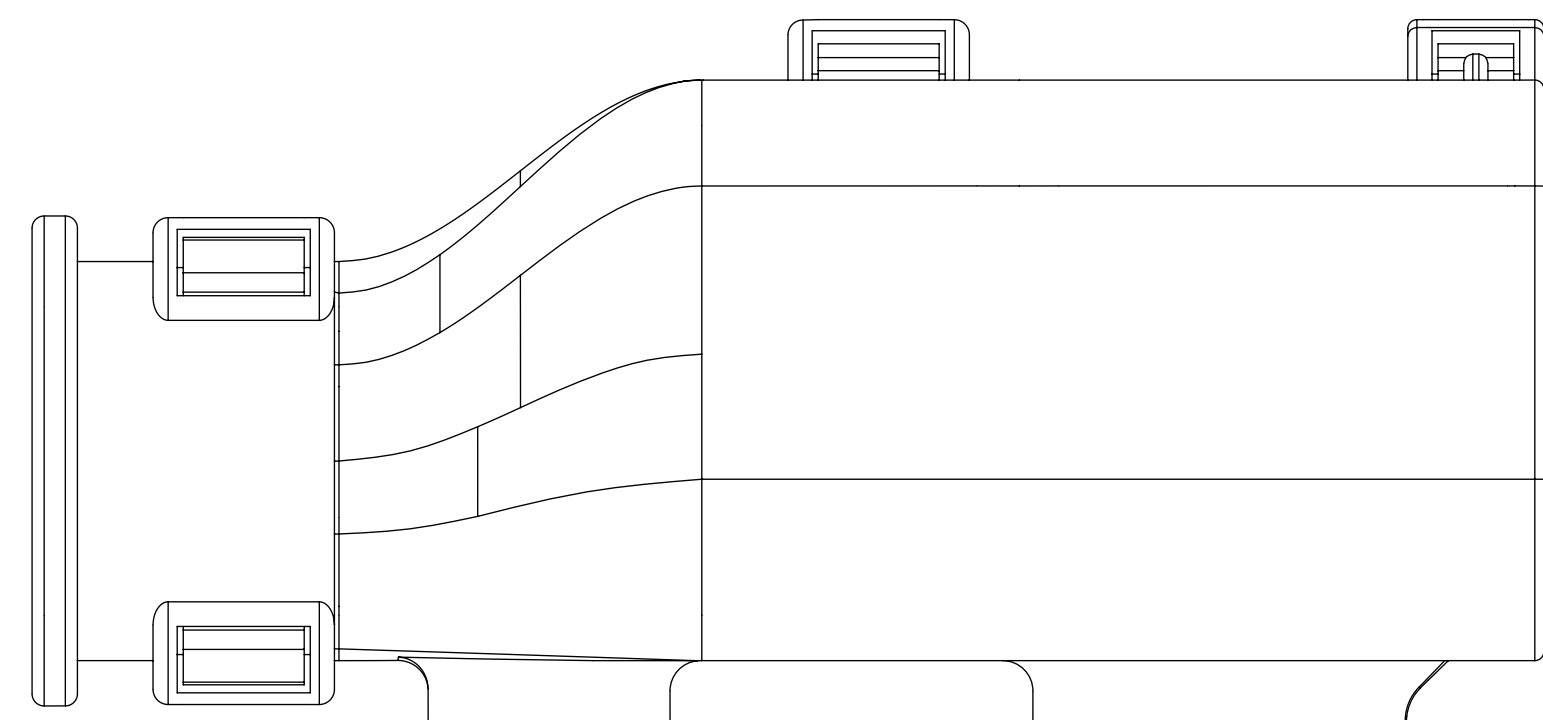
molex

MX150 RCPT
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

SHEET DESCRIPTION

BACKSHELL



Partial W-W
SCALE 4:1

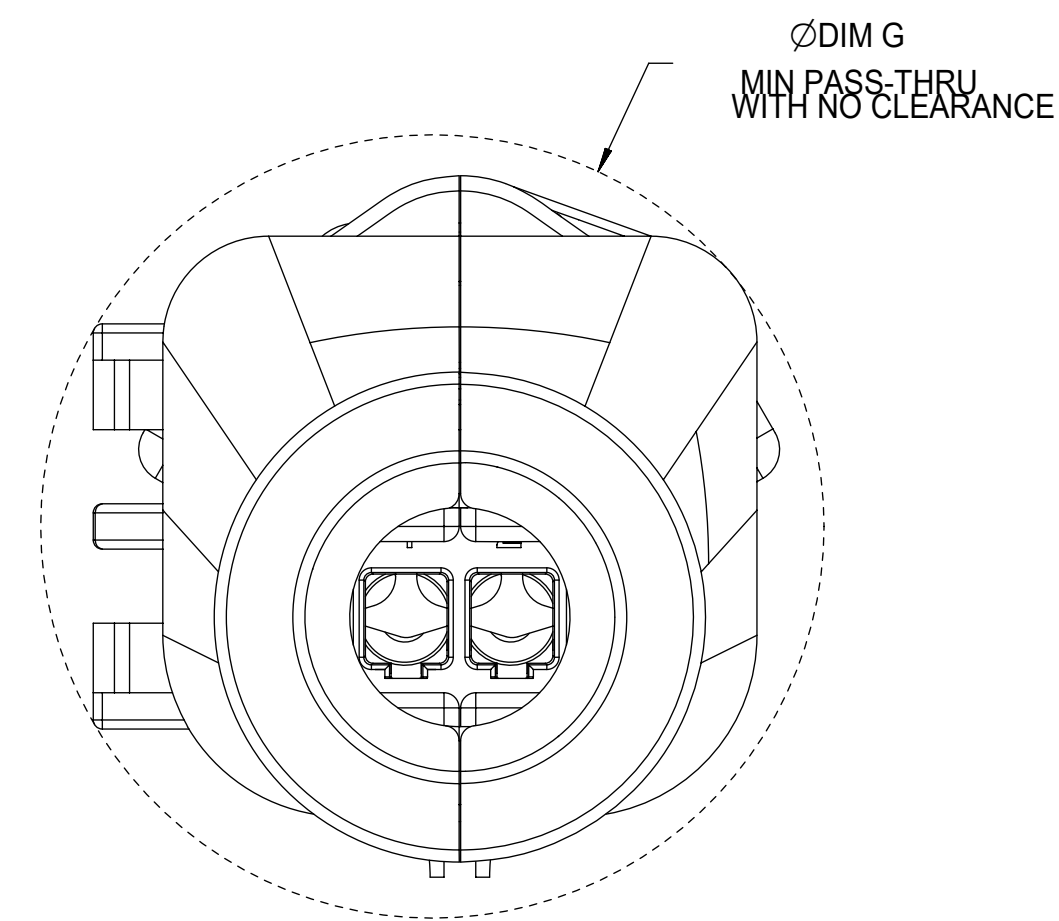
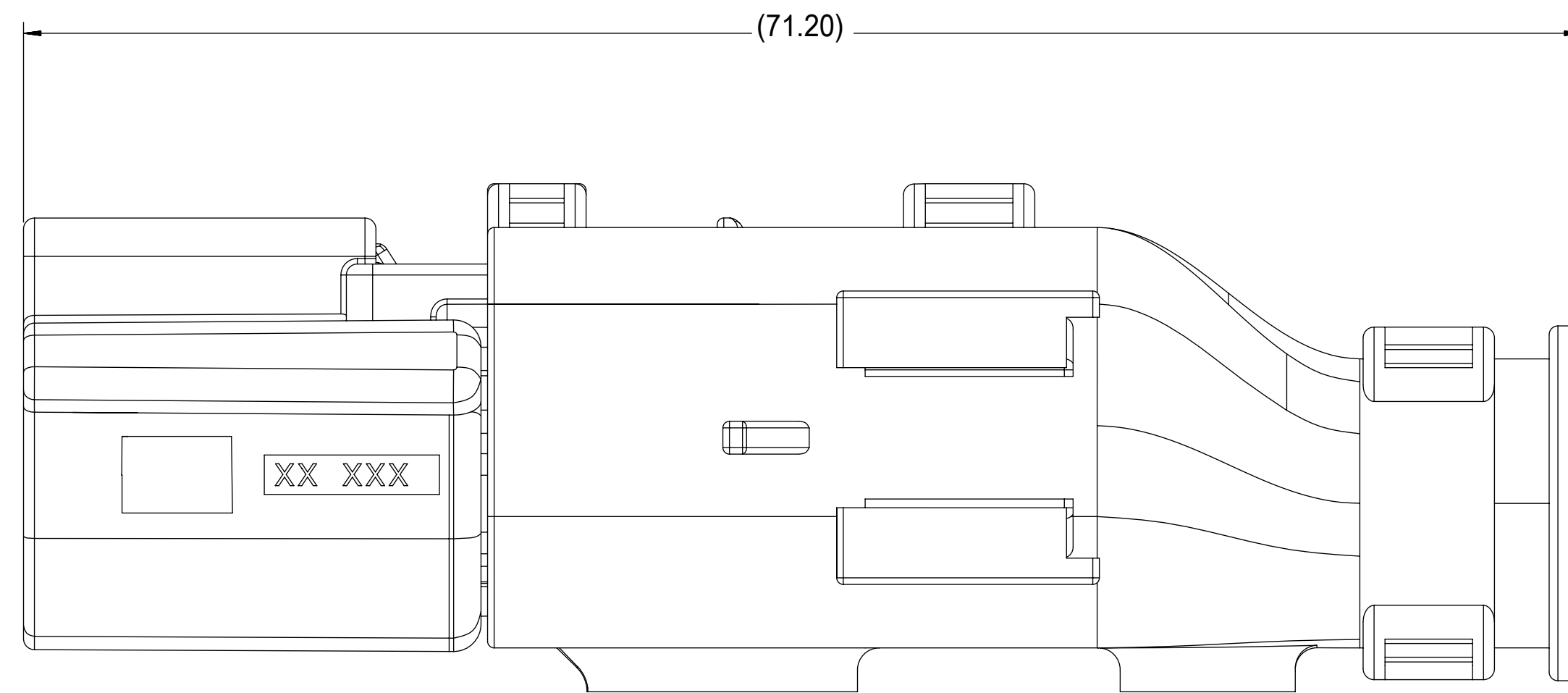
FUNCTIONAL SYMBOLS $F_A = 0$ $F_C = 0$ $F_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:					
	DIMENSION UNITS mm	SCALE 4:1	EC NO: 643941 DRWN: XLDONG03 2020/08/21 CHK'D: JDENG02 2020/08/26 APPR: JDENG02 2020/08/26					MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL
	GENERAL TOLERANCES (UNLESS SPECIFIED)		INITIAL REVISION: DRWN: APROFFITT 2015/11/04 APPR: KDEKOSKI 2016/06/14		PRODUCT CUSTOMER DRAWING			
	ANGULAR TOL $\pm 1.0^\circ$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NUMBER SD-33471-0001		DOC TYPE PSD	DOC PART 001
DIVISIONAL SYMBOLS 4 PLACES \pm 3 PLACES \pm 2 PLACES ± 0.1 1 PLACE ± 0.2 0 PLACES \pm		THIRD ANGLE PROJECTION 		DRAWING D-SIZE	SERIES 33471	MATERIAL NUMBER SEE NOTE 2a	CUSTOMER GENERAL MARKET	SHEET NUMBER 7 OF 8

SHEET DESCRIPTION

BACKSHELL CONFIGURATIONS

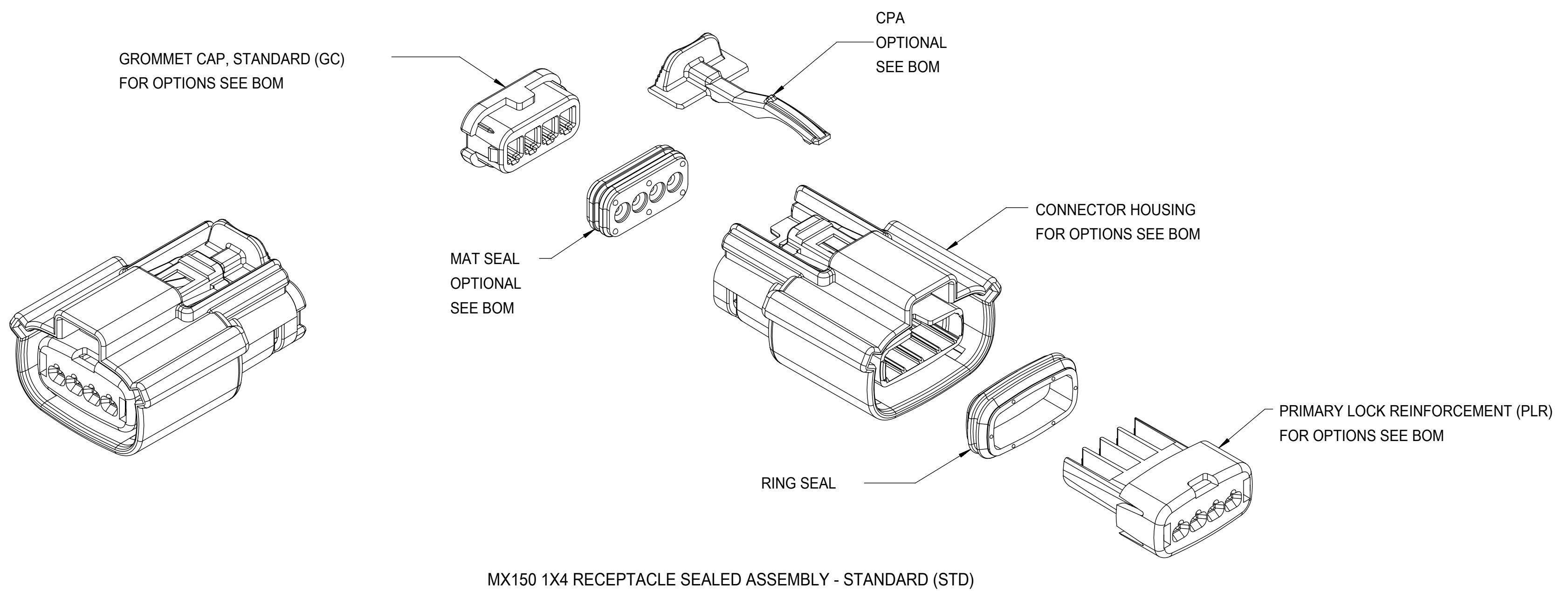
CHARTED DIMENSIONS

DESCRIPTION	DIMENSIONS
	G
1X2	26.00

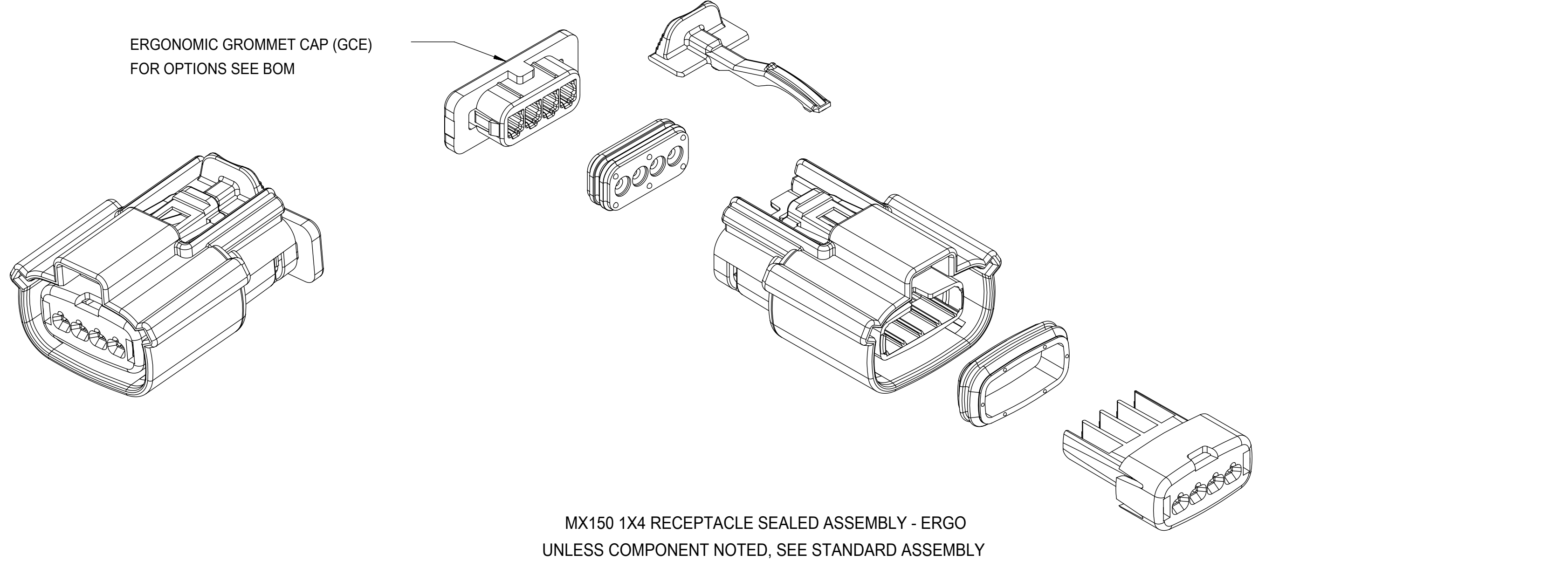


RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

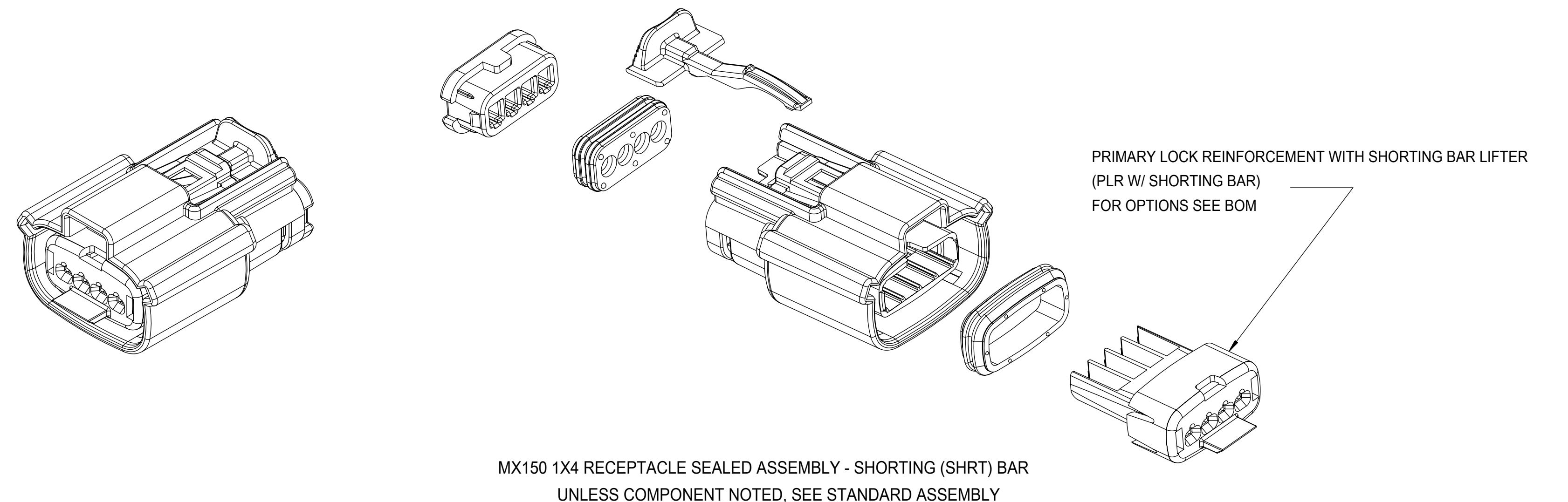
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	DIMENSION UNITS mm	SCALE 4:1	EC NO: 643941		
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)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



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - STANDARD (STD)



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - ERGO
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - SHORTING (SHRT) BAR
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4-5	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.
 - STANDARD (NON-SHRT) CONFIGURATIONS DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING SD-33481-041 AND EWCAP 150-S-004-1-Z03, AVAILABLE AT <http://ewcap.uscarteams.org/>
 - SHORTING BAR CONFIGURATIONS DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN DRAWING SD-31280-200
 - FOR 1.5mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33012-002.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
 - ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION Z-Z PRE-LOCK).
 - 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: ENGAGEMENT FORCE TO MOVE CPA FROM PRE-LOCK TO FINAL LOCK POSITION WHEN UNMATED: 40N MIN. DISENGAGEMENT FORCE TO MOVE CPA FROM FINAL LOCK TO PRE-LOCK POSITION: 3N MIN, 40N MAX. TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm AND NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 NEWTONS.
 - b. PRODUCT SPECIFICATION SEE: PS-33471-000
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-903
 - d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
 - e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
 - a. SEE BOM TABLE
3. DESIGN - GEOMETRY:
 - a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
 - f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
 - g. LASER MARKING: TBD

INSPECTION NUMBER LOG
LAST NUMBER USED: 5
ADDED:
REMOVED: 2

W3	UPDATED THE DRAWING FRAME
W2	ADD NEW P/N 33471-0494
W1	ADD NEW P/N 33471-0493
W	REMOVE THE 33471-0489 CPA
REV	DESCRIPTION

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
$F_A = 0$	DIMENSION UNITS	SCALE		
$F_C = 0$	mm	2:1		
$F_D = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL	$\pm 3.0^\circ$		
	4 PLACES	\pm		
	3 PLACES	\pm		
	2 PLACES	± 0.1		
	1 PLACE	± 0.3		
	0 PLACES	\pm		
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
				D-SIZE
			SERIES	33471
			MATERIAL NUMBER	SEE BOM
			CUSTOMER	GENERAL MARKET
			SHEET NUMBER	1 OF 6

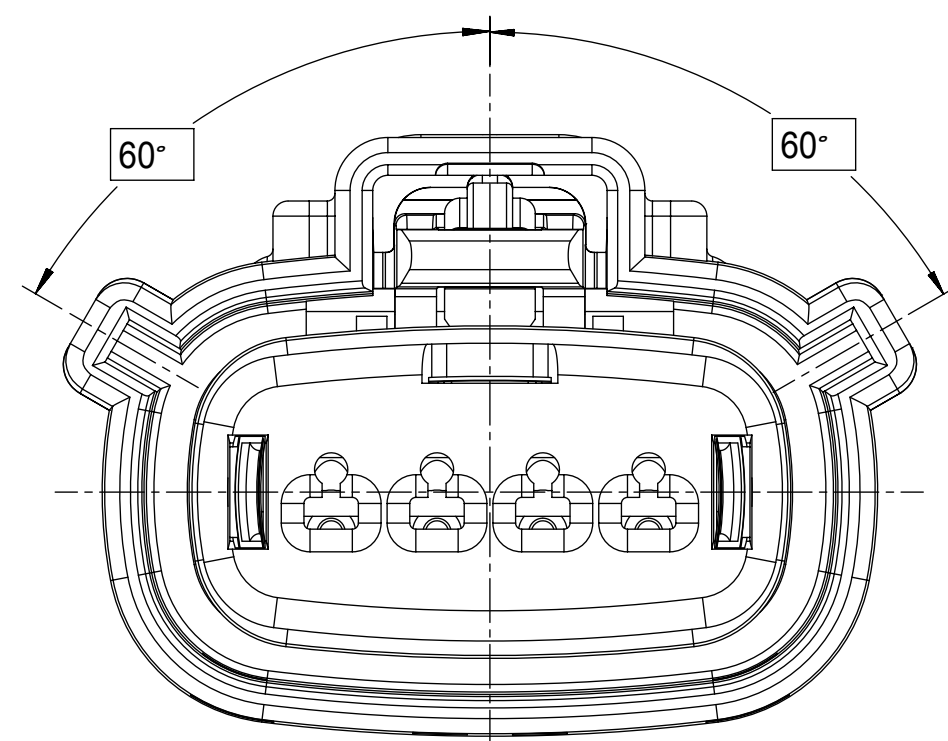
molex

MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

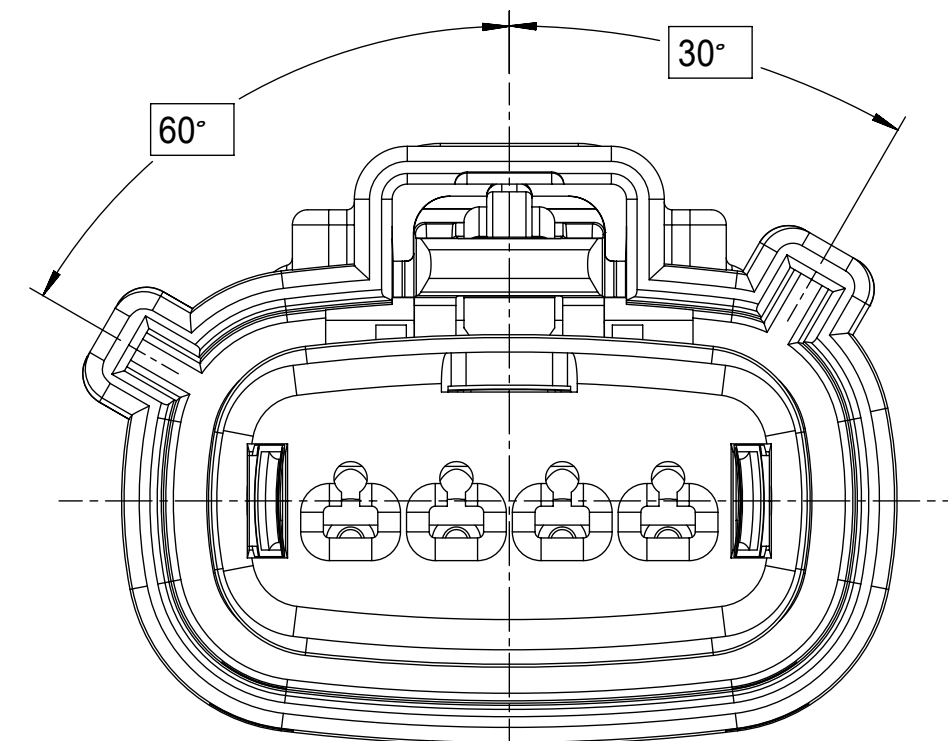
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33471-041	PSD	002	W3

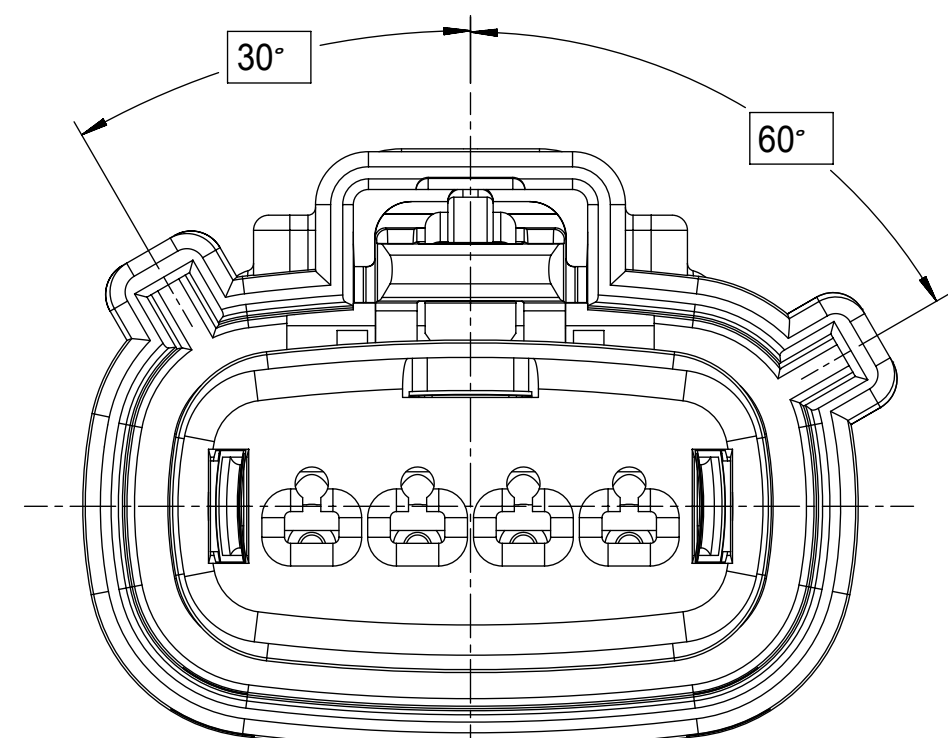
KEY CONFIGURATIONS



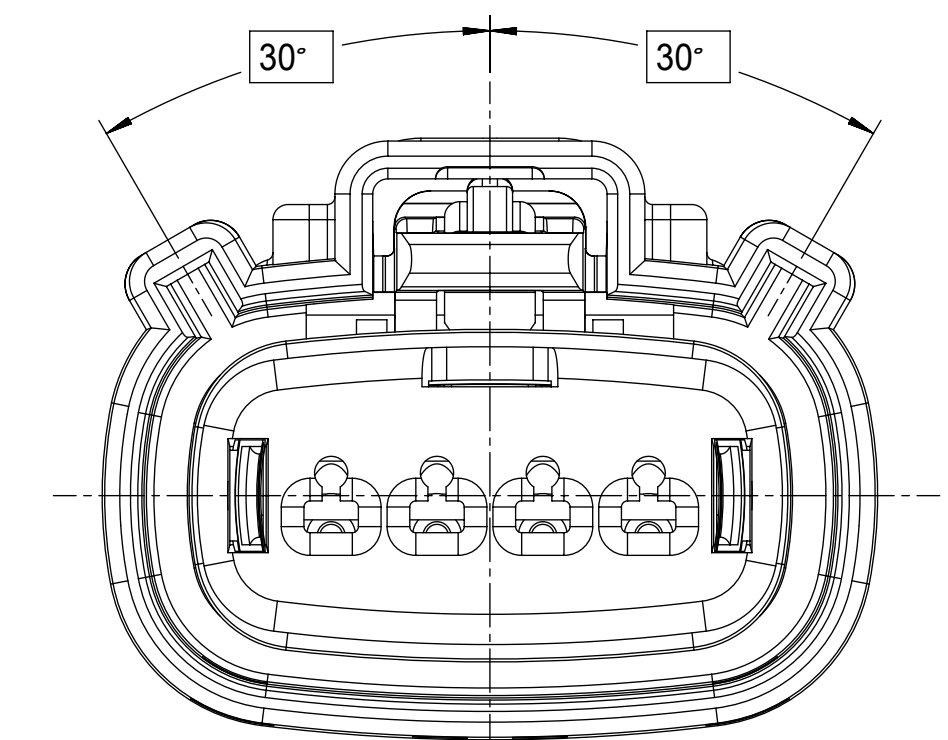
KEY A



KEY B



KEY C



KEY D

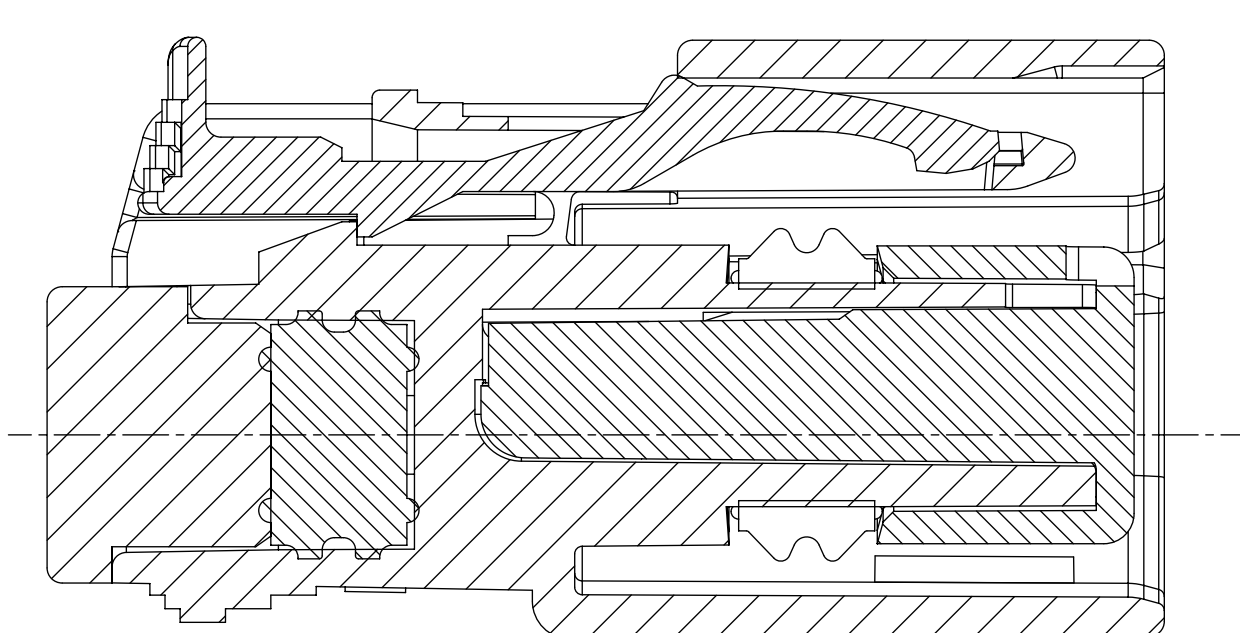
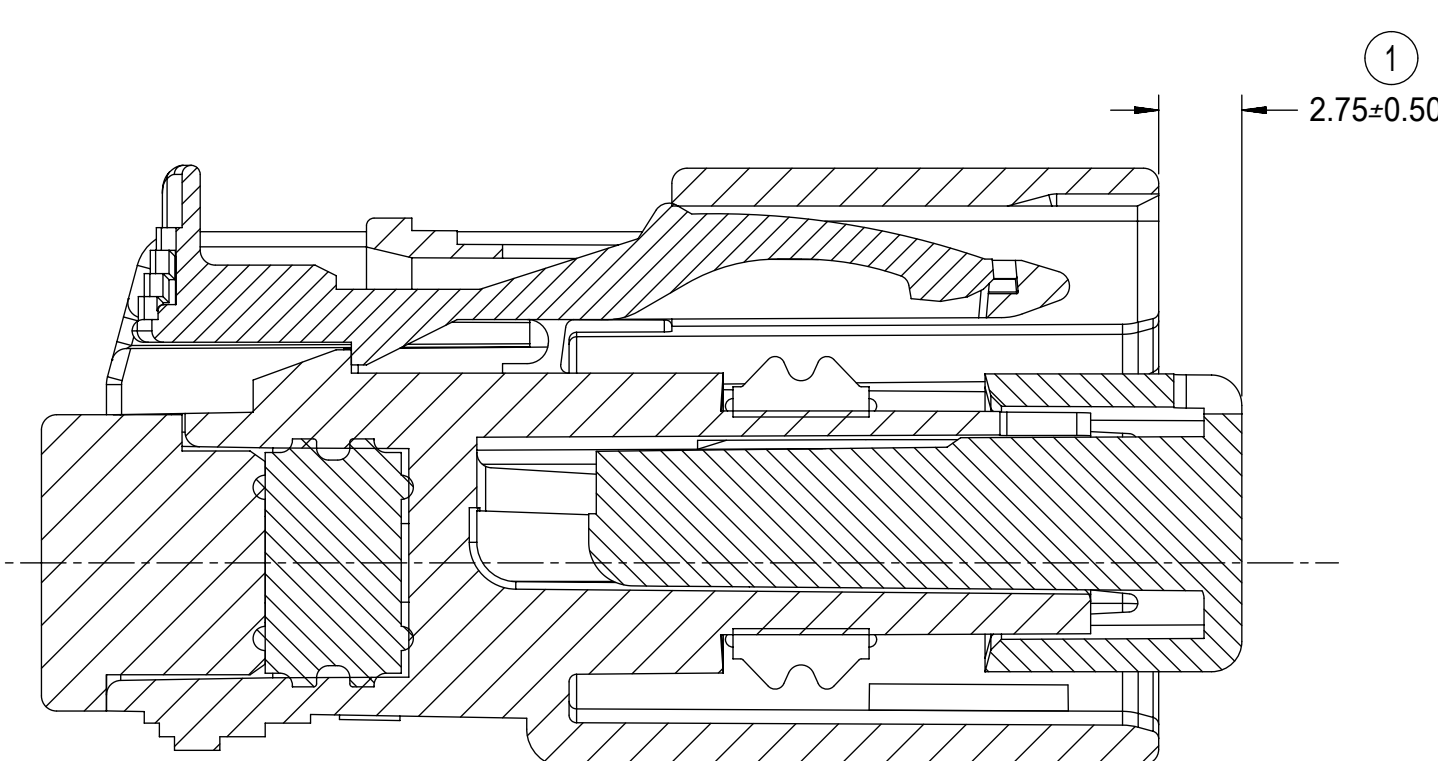
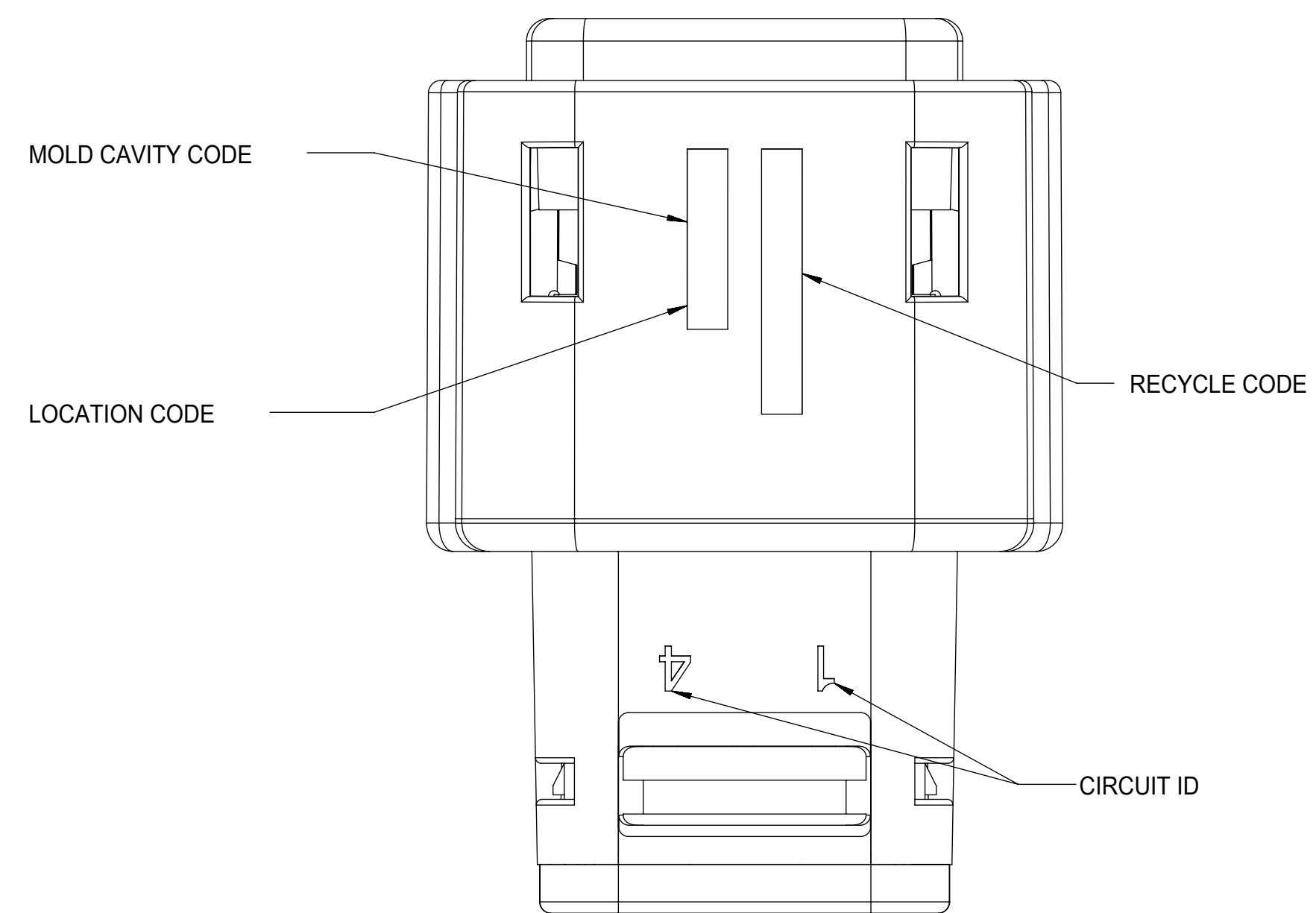
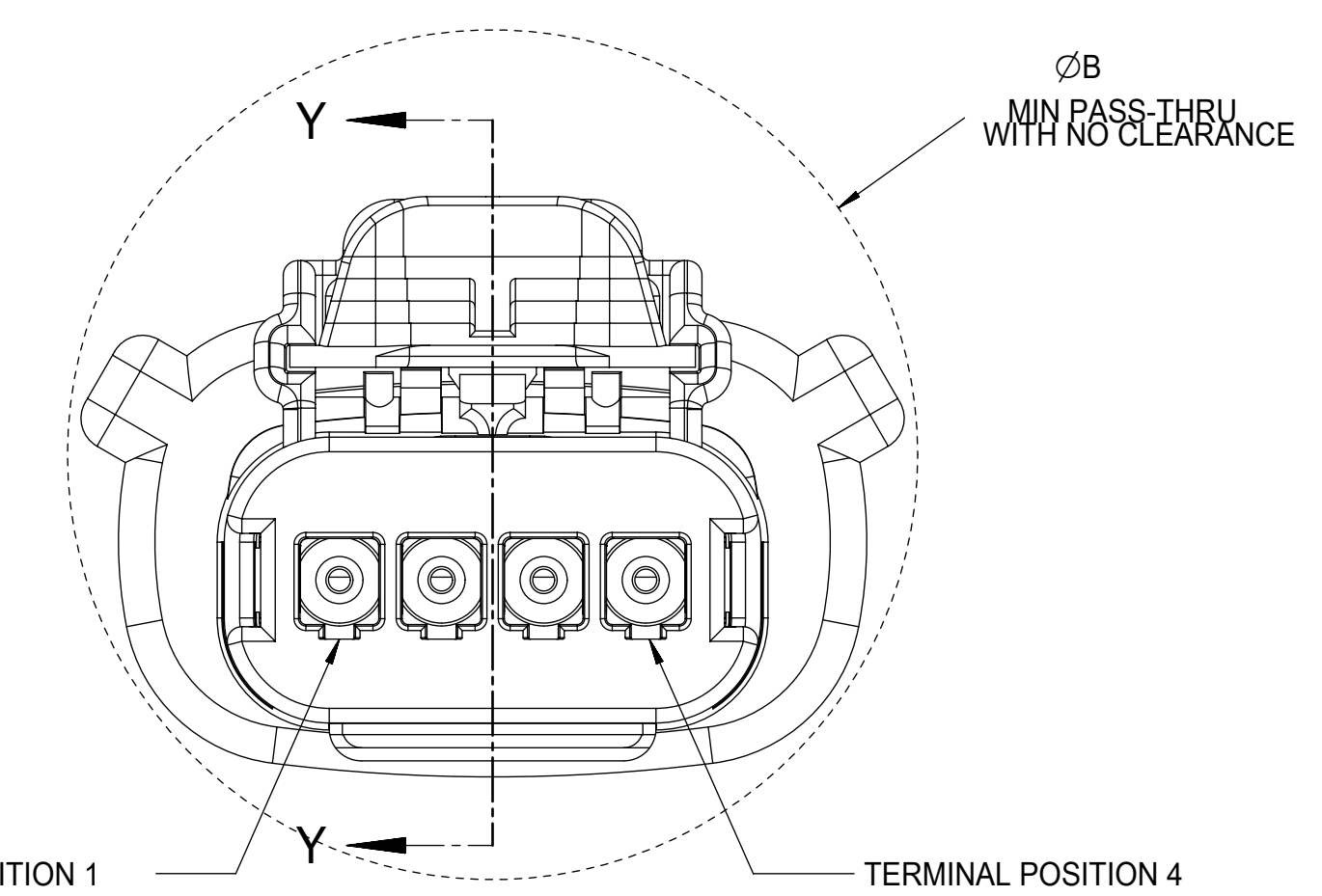
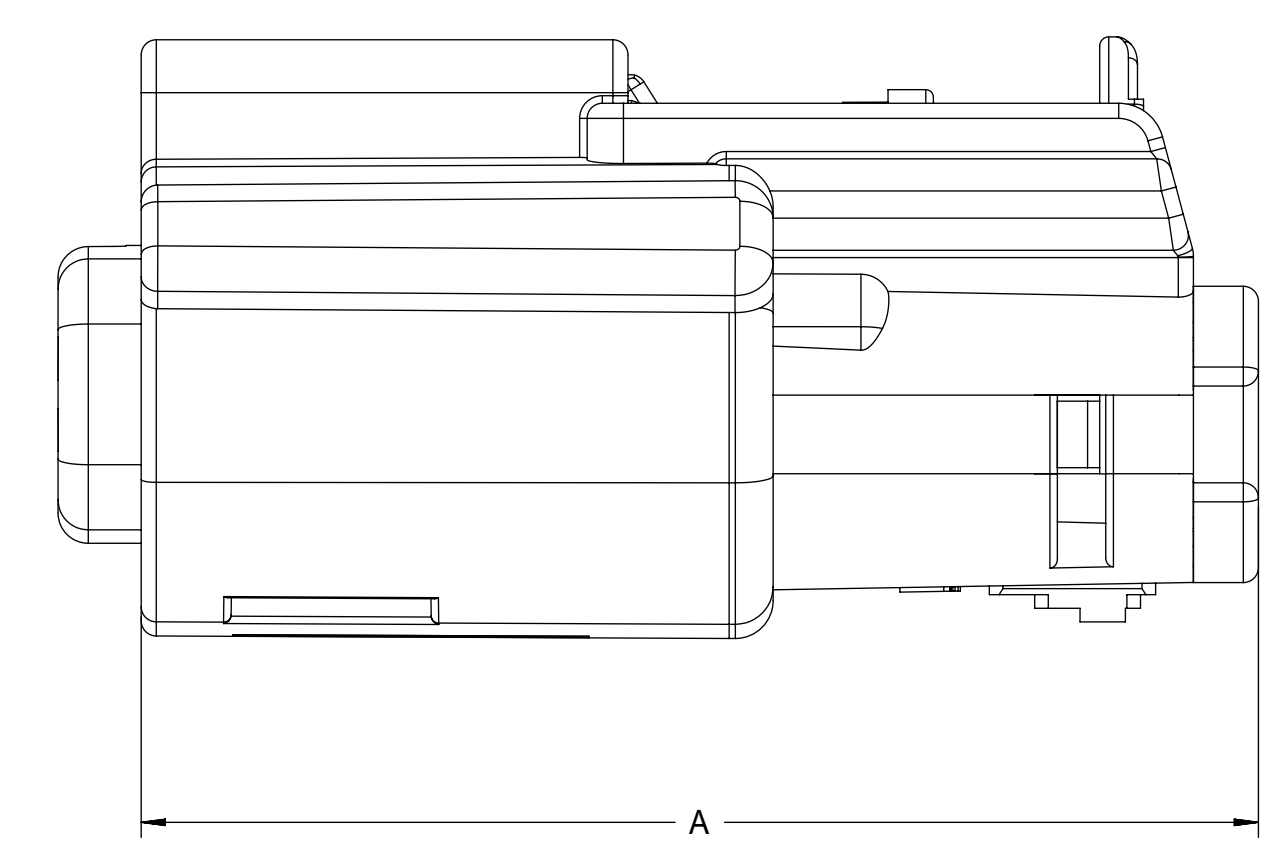
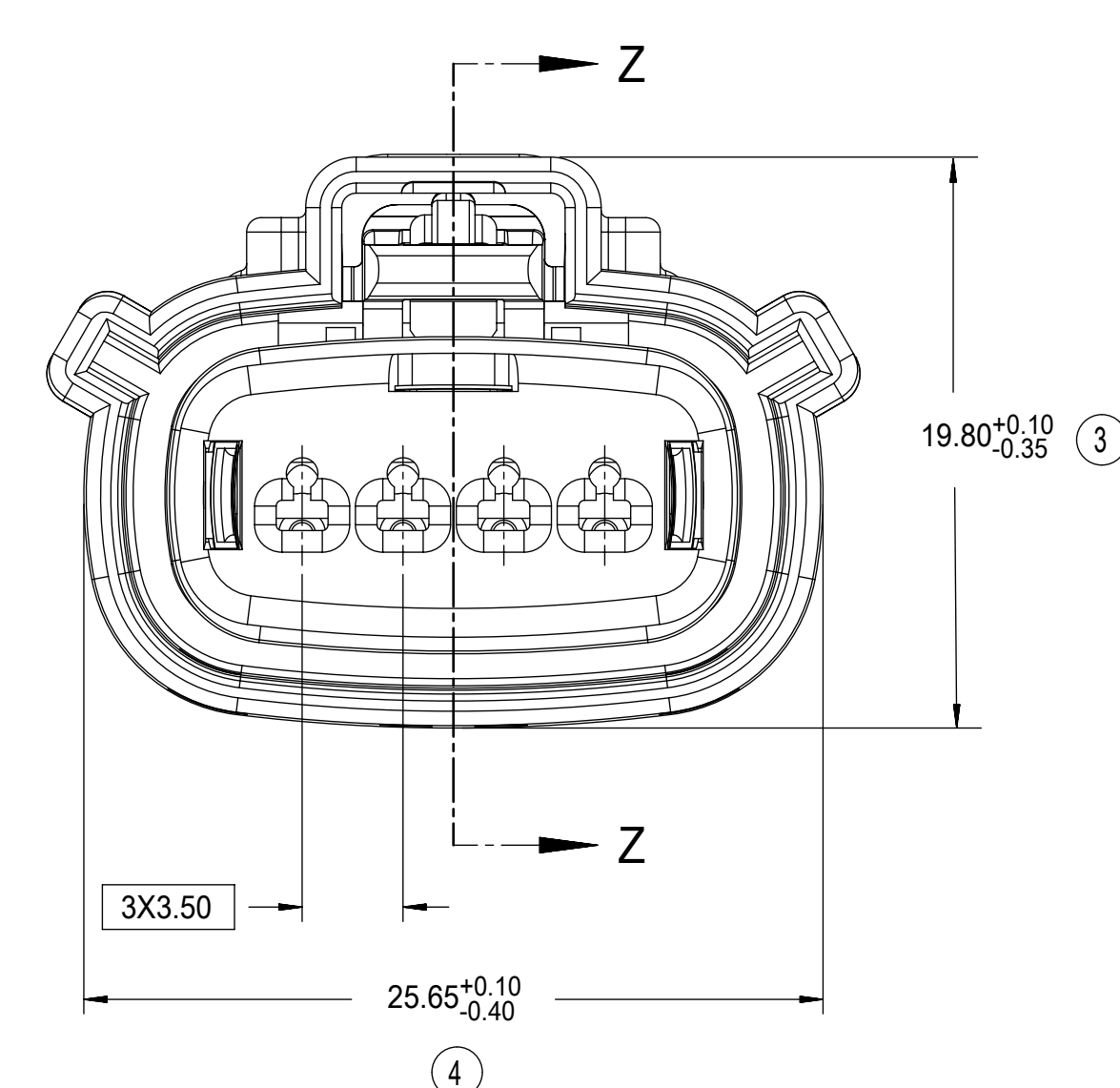
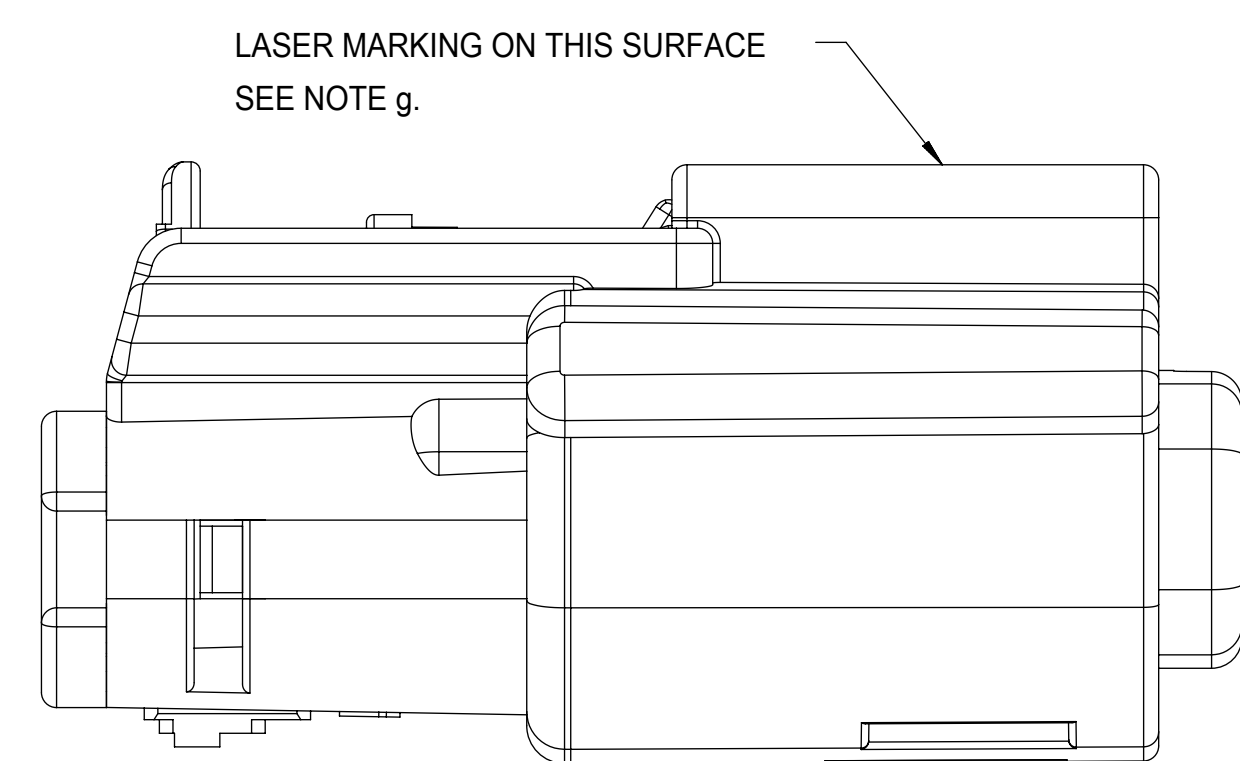
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
$\nabla_A = 0$	mm	4:1	EC NO: 643941 DRWN: XLDONG03 2020/08/21 CHK'D: JDENG02 2020/08/26 APPR: JDENG02 2020/08/26 INITIAL REVISION: DRWN: DGRIFITHS 2010/03/31 APPR: VKOSHY 2010/04/06
$\nabla_C = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		
$\nabla_D = 0$	ANGULAR TOL $\pm 3.0^\circ$		
DIVISIONAL SYMBOLS	4 PLACES	\pm	
	3 PLACES	\pm	
	2 PLACES	± 0.1	
	1 PLACE	± 0.3	
	0 PLACES	\pm	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES MATERIAL NUMBER CUSTOMER SHEET NUMBER
			D-SIZE 33471 SEE BOM GENERAL MARKET 2 OF 6

molex

MX150 1X4 RECEPTACLE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-33471-041
DOC TYPE: PSD
DOC PART: 002
REVISION: W3



CHARTED DIMENSIONS		
CONFIGURATION	A	B
MX150 1X4 RECPT SEALED ASSY - STANDARD	36.95 ±0.70	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	36.95 ±0.90	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	36.95 ±0.70	29.14

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: mm SCALE: 4:1	CURRENT REV DESC: EC NO: 643941 DRWN: XLDONG03 2020/08/21 CHK'D: JDENG02 2020/08/26 APPR: JDENG02 2020/08/26					
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.1 1 PLACE ± 0.3 0 PLACES ±	INITIAL REVISION: DRWN: DGRIFITHS 2010/03/31 APPR: VKOSHY 2010/04/06					PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-33471-041 DOC TYPE: PSD DOC PART: 002 REVISION: W3
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION 	DRAWING: D-SIZE	SERIES: 33471	MATERIAL NUMBER: SEE BOM	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 3 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/26	07:23:56
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ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	C	D	GCO	GCP	GCEO	GCEP	P	PS	M	CPA	1	2	3	4	STATUS	COMMENTS
VOID KEY	33471-0440																					
KEY D W/ SHRT. BAR, GREEN	33471-0439				D				GCO					PS	M						NOT RECOMMENDED	SEE P/N 33471-0481
KEY C W/ SHRT. BAR, BROWN	33471-0438			C					GCO					PS	M						NOT RECOMMENDED	SEE P/N 33471-0480
KEY B W/ SHRT. BAR, LT. GRAY	33471-0437			B					GCO					PS	M							
KEY A W/ SHRT. BAR, BLACK	33471-0436	A							GCO					PS	M						SALEABLE	
VOID KEY	33471-0435																					
KEY D W/O MAT SEAL, GREEN	33471-0434				D				GCO					P							NOT RECOMMENDED	SEE P/N 33471-0479
KEY C W/O MAT SEAL, BROWN	33471-0433			C					GCO					P							NOT RECOMMENDED	SEE P/N 33471-0478
KEY B W/O MAT SEAL, LT. GRAY	33471-0432			B					GCO					P								NOT VALIDATED
KEY A W/O MAT SEAL, BLACK	33471-0431	A							GCO					P							SALEABLE	NOT VALIDATED
VOID KEY	33471-0430																					
KEY D W/ CPA, GREEN	33471-0429				D				GCP					P	M	CPA	1			4	NOT RECOMMENDED	SEE P/N 33471-0477
KEY C W/ CPA, BROWN	33471-0428			C					GCP					P	M	CPA	1			4	NOT RECOMMENDED	SEE P/N 33471-0476
KEY B W/ CPA, LT. GRAY	33471-0427			B					GCP					P	M	CPA	1			4		
KEY A W/ CPA, BLACK	33471-0426	A							GCP					P	M	CPA	1			4	SALEABLE	
VOID KEY	33471-0425																					
KEY D, GREEN	33471-0424				D				GCP					P	M					4	NOT RECOMMENDED	SEE P/N 33471-0475
KEY C, BROWN	33471-0423			C					GCP					P	M					4	NOT RECOMMENDED	SEE P/N 33471-0474
KEY B, LT. GRAY	33471-0422			B					GCP					P	M					4		
KEY A, BLACK	33471-0421	A							GCP					P	M					4	SALEABLE	
VOID KEY	33471-0420																					
KEY D W/ CPA, GREEN	33471-0419				D				GCP					P	M	CPA				4	NOT RECOMMENDED	SEE P/N 33471-0473
KEY C W/ CPA, BROWN	33471-0418			C					GCP					P	M	CPA				4	NOT RECOMMENDED	SEE P/N 33471-0472
KEY B W/ CPA, LT. GRAY	33471-0417			B					GCP					P	M	CPA				4		
KEY A W/ CPA, BLACK	33471-0416	A							GCP					P	M	CPA				4	SALEABLE	
VOID KEY	33471-0415																					
KEY D, GREEN	33471-0414				D				GCP					P	M					4	NOT RECOMMENDED	SEE P/N 33471-0471
KEY C, BROWN	33471-0413			C					GCP					P	M					4	NOT RECOMMENDED	SEE P/N 33471-0470
KEY B, LT. GRAY	33471-0412			B					GCP					P	M					4		
KEY A, BLACK	33471-0411	A							GCP					P	M					4	SALEABLE	
KEY C W/ CPA, BLACK	33471-0410					C			GCO					P	M	CPA						
KEY D W/ CPA, GREEN	33471-0409				D				GCO					P	M	CPA					NOT RECOMMENDED	SEE P/N 33471-0465
KEY C W/ CPA, BROWN	33471-0408			C					GCO					P	M	CPA					NOT RECOMMENDED	SEE P/N 33471-0464
KEY B W/ CPA, LT. GRAY	33471-0407			B					GCO					P	M	CPA						
KEY A W/ CPA, BLACK	33471-0406	A							GCO					P	M	CPA					SALEABLE	
VOID KEY	33471-0405																					
KEY D, GREEN	33471-0404				D				GCO					P	M						NOT RECOMMENDED	SEE P/N 33471-0463
KEY C, BROWN	33471-0403			C					GCO					P	M						NOT RECOMMENDED	SEE P/N 33471-0462
KEY B, LT. GRAY	33471-0402			B					GCO					P	M							
KEY A, BLACK	33471-0401	A							GCO					P	M						SALEABLE	

DESCRIPTION	COLOR	MATERIAL
RING SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICONE
CPA	BRIGHT RED	PBT GF30
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
SHORTING BAR PLR	NATURAL	SPS/NYLON GF20
STANDARD PLR	NATURAL	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20

BOM/APPLICABLE COMPONENTS TABLE

ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, STANDARD, OPEN
GCP	GROMMET CAP, STANDARD, PLUGGED
GCEO	GROMMET CAP, ERGONOMIC, OPEN
GCEP	GROMMET CAP, ERGONOMIC, PLUGGED
M	MAT SEAL
P	PLR, STANDARD
PS	PLR, SHRT. BAR LIFTER
R	RING SEAL
CPA	CPA

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
FA = 0	DIMENSION UNITS: mm
FC = 0	SCALE
FP = 0	CURRENT REV DESC:
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
	ANGULAR TOL ± 3.0°
	4 PLACES ±
	3 PLACES ±
	2 PLACES ± 0.1
	1 PLACE ± 0.3
	0 PLACES ±
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
	THIRD ANGLE PROJECTION
	DRAWING: D-SIZE
	SERIES: 33471
	MATERIAL NUMBER: SEE BOM
	CUSTOMER: GENERAL MARKET
	SHEET NUMBER: 4 OF 6

molex

MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-33471-041

DOC TYPE: PSD

DOC PART: 002

REVISION: W3

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	C	D	GCO	GCP	GCEO	GCEP	P	PS	M	CPA	1	2	3	4	STATUS	COMMENTS				
KEY C W/ SHRT. BAR, DARK GRAY	33471-0480								C	GCO					PS	M							SALEABLE			
KEY D W/O MAT SEAL, STONE GRAY	33471-0479								D	GCO					P									SALEABLE		
KEY C W/O MAT SEAL, DARK GRAY	33471-0478								C	GCO					P									SALEABLE		
KEY D W/ CPA, STONE GRAY	33471-0477								D		GCP				P	M	CPA	1			4			SALEABLE		
KEY C W/ CPA, DARK GRAY	33471-0476								C		GCP				P	M	CPA	1			4			SALEABLE		
KEY D, STONE GRAY	33471-0475								D		GCP				P	M		1			4			SALEABLE		
KEY C, DARK GRAY	33471-0474								C		GCP				P	M		1			4			SALEABLE		
KEY D W/ CPA, STONE GRAY	33471-0473								D		GCP				P	M	CPA				4			SALEABLE		
KEY C W/ CPA, DARK GRAY	33471-0472								C		GCP				P	M	CPA				4			SALEABLE		
KEY D, STONE GRAY	33471-0471								D		GCP				P	M					4			SALEABLE		
KEY C, DARK GRAY	33471-0470								C		GCP				P	M					4			SALEABLE		
KEY A, BLACK	33471-0469	A									GCP				P	M				2		4		SALEABLE		
KEY B, W/ CPA, LIGHT GRAY	33471-0468		B								GCP				P	M	CPA			2						
KEY A, BLACK	33471-0467	A									GCP				P	M					3		4		SALEABLE	
KEY B, LIGHT GRAY	33471-0466		B								GCP				P	M		1	2							
KEY D W/ CPA, STONE GRAY	33471-0465								D	GCO					P	M	CPA								SALEABLE	
KEY C W/ CPA, DARK GRAY	33471-0464								C	GCO					P	M	CPA								SALEABLE	
KEY D, STONE GRAY	33471-0463								D	GCO					P	M									SALEABLE	
KEY C, DARK GRAY	33471-0462								C	GCO					P	M									SALEABLE	
KEY A W/ CPA & ERGO. CAP, BLACK	33471-0461	A								GCEO					P	M	CPA								SALEABLE	
VOID KEY	33471-0460																									
KEY A, BLACK	33471-0459	A									GCP				P	M					3				SALEABLE	
KEY A W/ SHRT. BAR, BLACK	33471-0458	A									GCP				PS	M		1			4				SALEABLE	
KEY D W/ SHRT. BAR, GREEN	33471-0457							D			GCP				PS	M					4				NOT RECOMMENDED	SEE P/N 33471-0488
VOID KEY	33471-0456																									
KEY D W/ SHRT. BAR, GREEN	33471-0455							D			GCP				PS	M		1	2	3	4				NOT RECOMMENDED	SEE P/N 33471-0487
KEY C W/ SHRT. BAR, BROWN	33471-0454							C			GCP				PS	M		1	2	3	4				NOT RECOMMENDED	SEE P/N 33471-0486
KEY B W/ SHRT. BAR, LT. GRAY	33471-0453		B								GCP				PS	M		1	2	3	4					
KEY A W/ SHRT. BAR, BLACK	33471-0452	A									GCP				PS	M		1	2	3	4				SALEABLE	
KEY A W/ SHRT. BAR, BLACK	33471-0451	A									GCP				PS	M					3	4			SALEABLE	
VOID KEY	33471-0450																									
KEY D W/ CPA & SHRT. BAR, GREEN	33471-0449							D			GCO				PS	M	CPA								NOT RECOMMENDED	SEE P/N 33471-0485
KEY C W/ CPA & SHRT. BAR, BROWN	33471-0448							C			GCO				PS	M	CPA								NOT RECOMMENDED	SEE P/N 33471-0484
KEY B W/ CPA & SHRT. BAR, LT. GRAY	33471-0447		B								GCO				PS	M	CPA									
KEY A W/ CPA & SHRT. BAR, BLACK	33471-0446	A									GCO				PS	M	CPA								SALEABLE	
VOID KEY	33471-0445																									
KEY D, GREEN	33471-0444							D			GCP				P	M		1	2	3	4				NOT RECOMMENDED	SEE P/N 33471-0483
KEY C, BROWN	33471-0443							C			GCP				P	M		1	2	3	4				NOT RECOMMENDED	SEE P/N 33471-0482
KEY B, LT. GRAY	33471-0442		B								GCP				P	M		1	2	3	4					
KEY A, BLACK	33471-0441	A									GCP				P	M		1	2	3	4				SALEABLE	

DESCRIPTION	COLOR	MATERIAL
RING SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICONE
CPA	BRIGHT RED	PBT GF30
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
SHORTING BAR PLR	NATURAL	SPS/NYLON GF20
STANDARD PLR	NATURAL	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20

BOM/APPLICABLE COMPONENTS TABLE

ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, STANDARD, OPEN
GCP	GROMMET CAP, STANDARD, PLUGGED
GCEO	GROMMET CAP, ERGONOMIC, OPEN
GCEP	GROMMET CAP, ERGONOMIC, PLUGGED
M	MAT SEAL
P	PLR, STANDARD
PS	PLR, SHRT. BAR LIFTER
R	RING SEAL
CPA	CPA

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
FA = 0	DIMENSION UNITS: mm
FC = 0	SCALE
FP = 0	CURRENT REV DESC:
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
	ANGULAR TOL ± 3.0°
	4 PLACES ±
	3 PLACES ±
	2 PLACES ± 0.1
	1 PLACE ± 0.3
	0 PLACES ±
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
	THIRD ANGLE PROJECTION
	DRAWING: D-SIZE
	SERIES: 33471
	MATERIAL NUMBER: SEE BOM
	CUSTOMER: GENERAL MARKET
	SHEET NUMBER: 5 OF 6

molex			
MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33471-041	PSD	002	W3

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	C	D	A	GCO	GCP	GCEO	GCEP	P	PS	M	CPA	1	2	3	4	STATUS	COMMENTS
KEY B, LT.GRAY	33471-0494		B								GCP			P		M			2	3		SALEABLE	
KEY A W/ CPA, BLACK	33471-0493	A									GCP			P		M	CPA		2			SALEABLE	
KEY A W/ CPA & SHRT. BAR, YELLOW	33471-0492								A	GCO					PS	M	CPA					SALEABLE	
KEY A W/ CPA, YELLOW	33471-0491								A	GCO				P		M	CPA					SALEABLE	
KEY A W/ CPA, BLACK	33471-0490	A									GCP			P		M	CPA			3		SALEABLE	
KEY A, BLACK	33471-0489	A									GCP			P		M			2			SALEABLE	
KEY D W/ SHRT. BAR, STONE GRAY	33471-0488							D			GCP				PS	M					4	SALEABLE	
KEY D W/ SHRT. BAR, STONE GRAY	33471-0487							D			GCP				PS	M		1	2	3	4	SALEABLE	
KEY C W/ SHRT. BAR, DARK GRAY	33471-0486					C					GCP				PS	M		1	2	3	4	SALEABLE	
KEY D W/ CPA & SHRT. BAR, STONE GRAY	33471-0485							D		GCO					PS	M	CPA					SALEABLE	
KEY C W/ CPA & SHRT. BAR, DARK GRAY	33471-0484					C				GCO					PS	M	CPA					SALEABLE	
KEY D, STONE GRAY	33471-0483							D			GCP			P		M		1	2	3	4	SALEABLE	
KEY C, DARK GRAY	33471-0482					C					GCP			P		M		1	2	3	4	SALEABLE	
KEY D W/ SHRT. BAR, STONE GRAY	33471-0481							D		GCO					PS	M						SALEABLE	

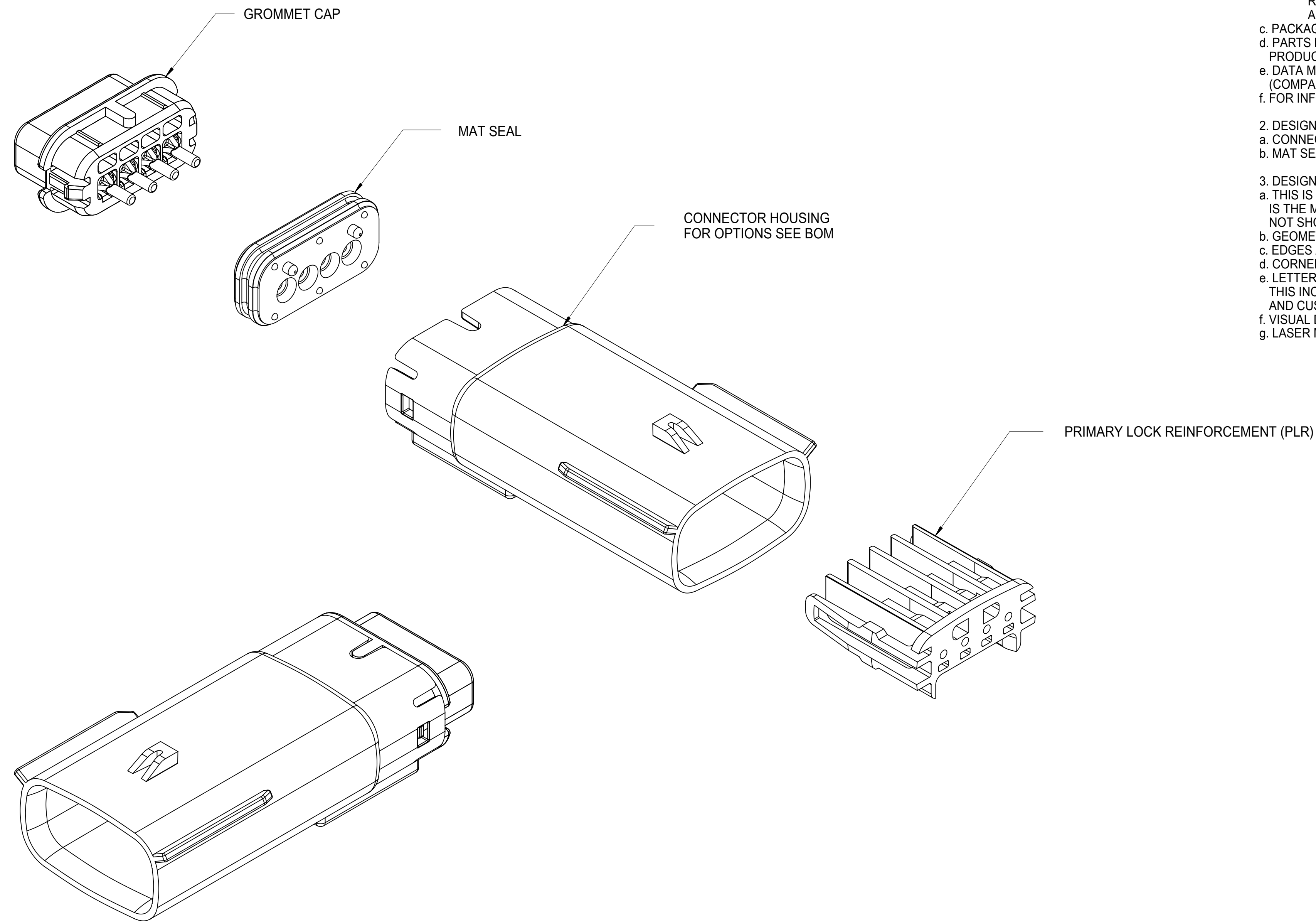
W2

DESCRIPTION	COLOR	MATERIAL
RING SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICONE
CPA	BRIGHT RED	PBT GF30
MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
SHORTING BAR PLR	NATURAL	SPS/NYLON GF20
STANDARD PLR	NATURAL	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
ERGONOMIC GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, PLUGGED	BLACK	SPS/NYLON GF20
STANDARD GROMMET CAP, OPEN	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION A	YELLOW	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20

ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP, STANDARD, OPEN
GCP	GROMMET CAP, STANDARD, PLUGGED
GCEO	GROMMET CAP, ERGONOMIC, OPEN
GCEP	GROMMET CAP, ERGONOMIC, PLUGGED
M	MAT SEAL
P	PLR, STANDARD
PS	PLR, SHRT. BAR LIFTER
R	RING SEAL
CPA	CPA

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
FA = 0	DIMENSION UNITS: mm
FC = 0	SCALE
FP = 0	CURRENT REV DESC:
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
	ANGULAR TOL ± 3.0°
	4 PLACES ±
	3 PLACES ±
	2 PLACES ± 0.1
	1 PLACE ± 0.3
	0 PLACES ±
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
	THIRD ANGLE PROJECTION
	DRAWING: D-SIZE
	SERIES: 33471
	EC NO: 643941
	DRWN: XLDONG03 2020/08/21
	CHK'D: JDENG02 2020/08/26
	APPR: JDENG02 2020/08/26
	INITIAL REVISION: DRWN: DGRIFITHS 2010/03/31
	APPR: VKOSHY 2010/04/06
	DOCUMENT NUMBER: SD-33471-041
	DOC TYPE: PSD
	DOC PART: 002
	REVISION: W3
	MATERIAL NUMBER: SEE BOM
	CUSTOMER: GENERAL MARKET
	SHEET NUMBER: 6 OF 6

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

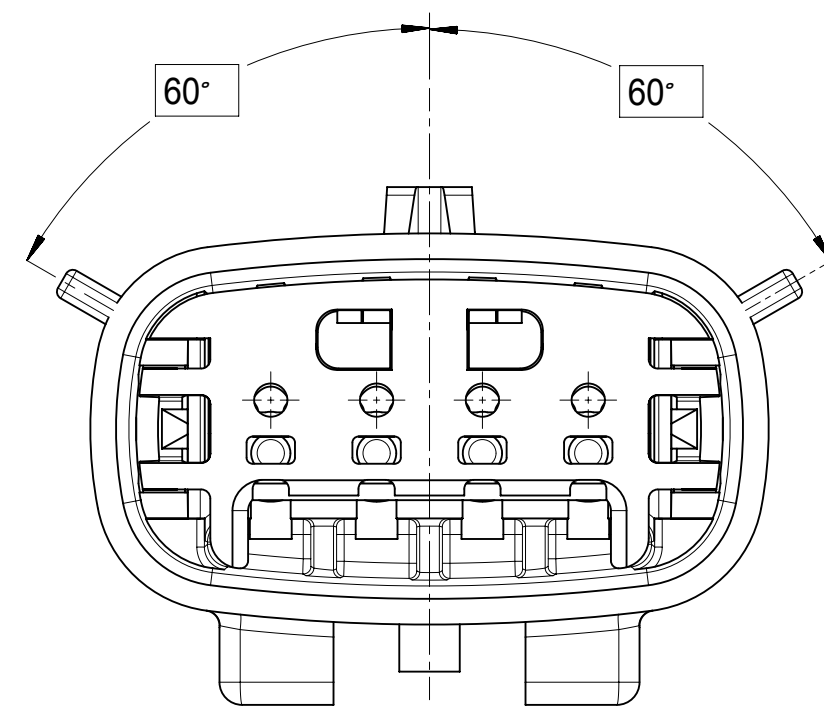


NOTES: VALID UNLESS OTHERWISE SPECIFIED

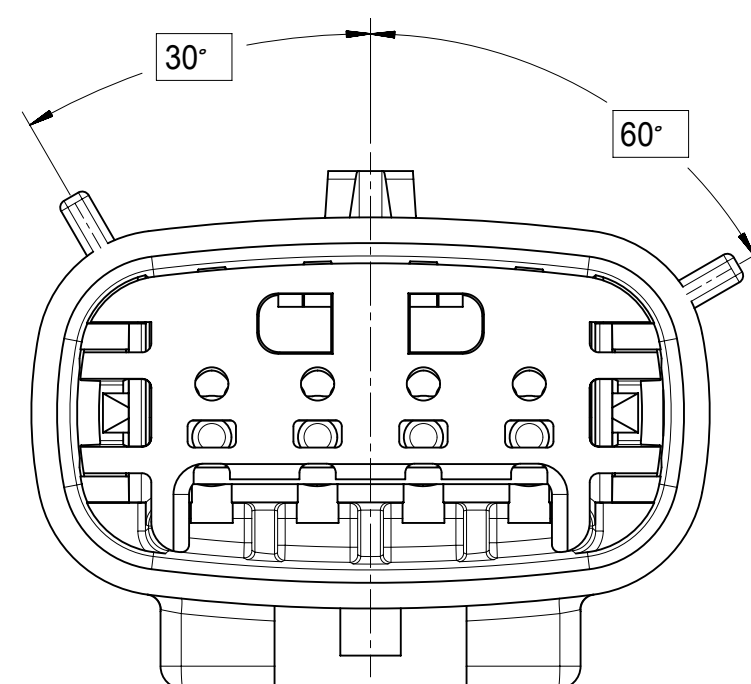
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY 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 BLENDED 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

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex			
DIMENSION UNITS	SCALE							
= 0	mm	3:1						
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)							
= 0	ANGULAR TOL	± 3.0°						
= 0	4 PLACES	±						
= 0	3 PLACES	±						
= 0	2 PLACES	± 0.1						
= 0	1 PLACE	± 0.3						
= 0	0 PLACES	±						
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
= 0	THIRD ANGLE PROJECTION							
			DRAWING	SERIES				
			D-SIZE	33481				
			MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
			SD-33481-041		GENERAL MARKET		1 OF 5	
			DOCUMENT NUMBER		DOC TYPE		DOC PART	
			PSD		001		W2	
			REVISION					
			2018/11/09					
			2018/12/04					
			2018/12/04					
			2005/08/26					
			2005/08/29					
			INITIAL REVISION:					
			DRWN: DGRIFITHS					
			APPR: smarceau					
			EC NO: 607930					
			DRWN: HKLIANG					
			CHK'D: JDENG02					
			APPR: JDENG02					
			MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL					
			PRODUCT CUSTOMER DRAWING					

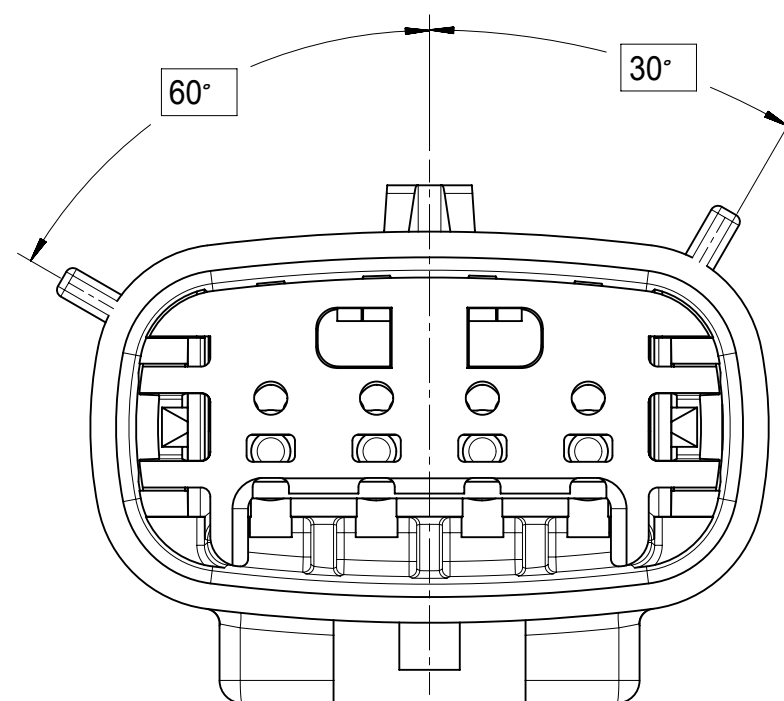
KEY CONFIGURATIONS



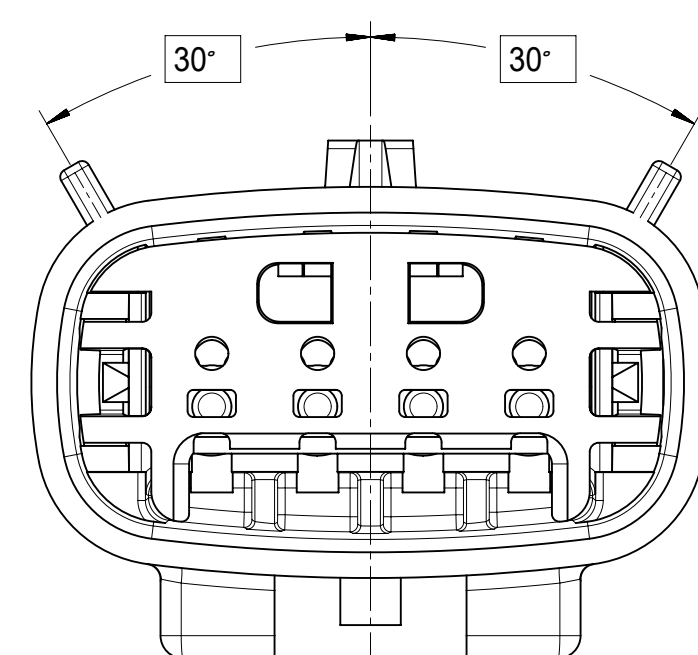
KEY A



KEY B



KEY C



KEY D

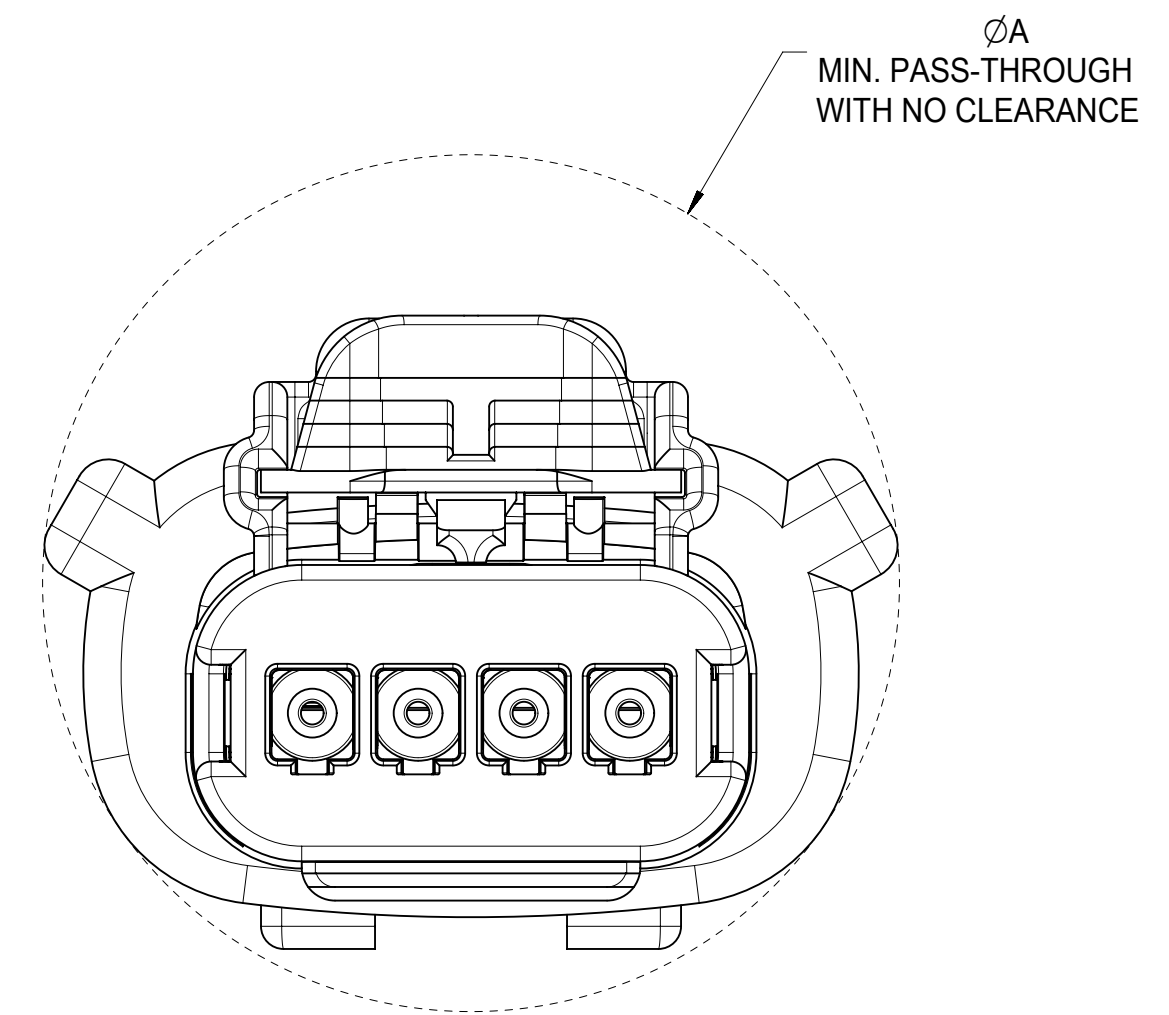
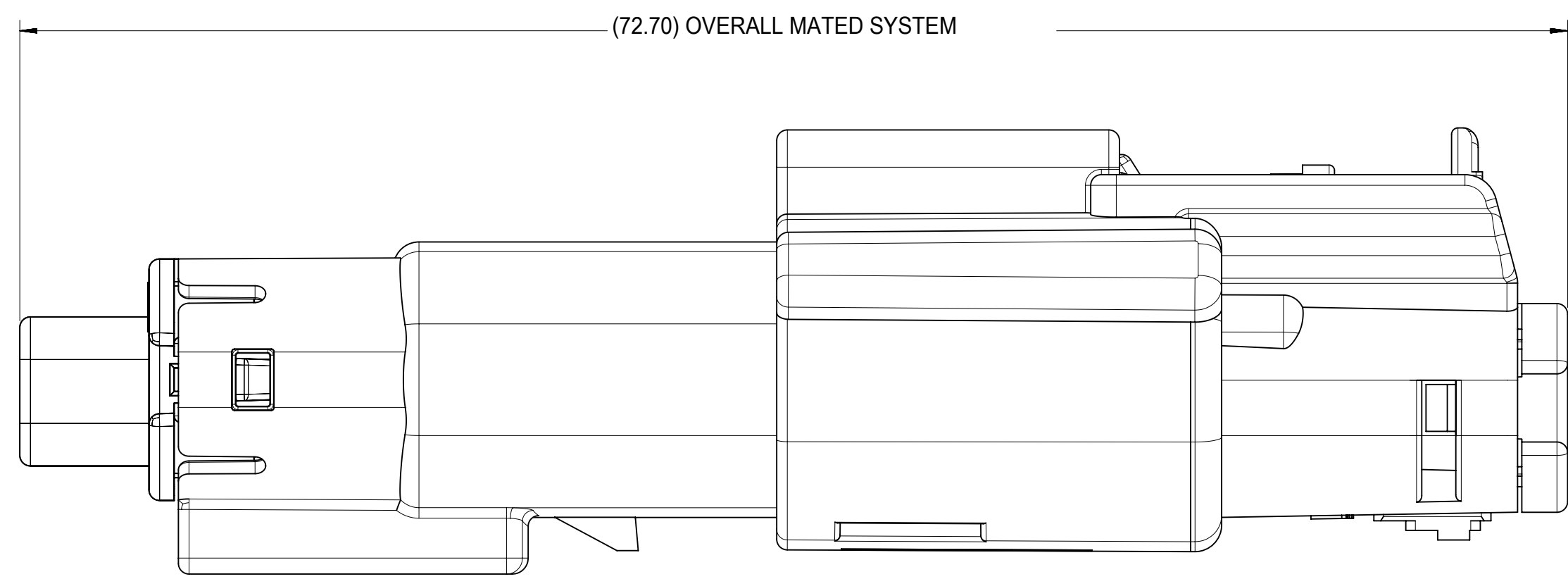
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
= 0	mm	4:1	EC NO: 607930 DRWN: HKLIANG 2018/11/09 CHK'D: JDENG02 2018/12/04 APPR: JDENG02 2018/12/04
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 0	ANGULAR TOL ± 3.0°		INITIAL REVISION: DRWN: DGRIFITHS 2005/08/26 APPR: smarceau 2005/08/29
= 0	4 PLACES ±		
= 0	3 PLACES ±		DOCUMENT NUMBER: SD-33481-041 DOC TYPE: PSD DOC PART: 001 REVISION: W2
= 0	2 PLACES ± 0.1		
= 0	1 PLACE ± 0.3		MATERIAL NUMBER: GENERAL MARKET CUSTOMER: SHEET NUMBER: 2 OF 5
= 0	0 PLACES ±		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: D-SIZE SERIES: 33481

molex

MX150 1X4 BLADE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

SD-33481-041 PSD 001 W2



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									
SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC:				molex		
= 0	mm	4:1	EC NO: 607930 DRWN: HKLIANG 2018/11/09 CHK'D: JDENG02 2018/12/04 APPR: JDENG02 2018/12/04				MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL		
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
= 0	ANGULAR TOL \pm 3.0°		INITIAL REVISION:				DOCUMENT NUMBER		
= 0	4 PLACES \pm		DRWN: DGRIFITHS 2005/08/26				SD-33481-041		
= 0	3 PLACES \pm		APPR: smarceau 2005/08/29				PSD	001	W2
= 0	2 PLACES \pm 0.1		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NUMBER	CUSTOMER	
= 0	1 PLACE \pm 0.3						THIRD ANGLE PROJECTION	DRAWING	SERIES
= 0	0 PLACES \pm			D-SIZE	33481			4 OF 5	

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)				STATUS	COMMENTS
			1	2	3	4		
33481-0401	BLACK	A						
33481-0402	LT. GRAY	B						
33481-0403	BROWN	C						NOT RECOMMENDED, SEE P/N 33481-0424
33481-0404	GREEN	D						NOT RECOMMENDED, SEE P/N 33481-0425
33481-0405	BLACK	C						
33481-0406	BLACK	A				X		
33481-0407	LT. GRAY	B				X		
33481-0408	BROWN	C				X		
33481-0409	GREEN	D				X		
33481-0410	CUSTOM	TBD				X		
33481-0411	BLACK	A	X			X		
33481-0412	LT. GRAY	B	X			X		
33481-0413	BROWN	C	X			X		
33481-0414	GREEN	D	X			X		
33481-0415	CUSTOM	TBD	X			X		
33481-0416	BLACK	A	X	X	X	X		
33481-0417	LT. GRAY	B	X	X	X	X		
33481-0418	BROWN	C	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-0426
33481-0419	GREEN	D	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-0427
33481-0420	CUSTOM	TBD	X	X	X	X		
33481-0421	BLACK	A			X			
33481-0422	BLACK	A			X	X		
33481-0423	LT. GRAY	B	X	X				
33481-0424	DK. GRAY	C						
33481-0425	ST. GRAY	D						
33481-0426	DK. GRAY	C	X	X	X	X		
33481-0427	ST. GRAY	D	X	X	X	X		
33481-0428	YELLOW	A						
33481-0429	LT. GRAY	B		X	X			
33481-0430	BLACK	A	X		X			

W2

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)				STATUS	COMMENTS
			1	2	3	4		
33481-4401	BLACK	A						
33481-4402	LT. GRAY	B						
33481-4403	BROWN	C						NOT RECOMMENDED, SEE P/N 33481-4424
33481-4404	GREEN	D						NOT RECOMMENDED, SEE P/N 33481-4425
33481-4405	BLACK	C						
33481-4406	BLACK	A				X		
33481-4407	LT. GRAY	B				X		
33481-4408	BROWN	C				X		
33481-4409	GREEN	D				X		
33481-4410	CUSTOM	TBD				X		
33481-4411	BLACK	A	X			X		
33481-4412	LT. GRAY	B	X			X		
33481-4413	BROWN	C	X			X		
33481-4414	GREEN	D	X			X		
33481-4415	CUSTOM	TBD	X			X		
33481-4416	BLACK	A	X	X	X	X		
33481-4417	LT. GRAY	B	X	X	X	X		
33481-4418	BROWN	C	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-4426
33481-4419	GREEN	D	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-4427
33481-4420	CUSTOM	TBD	X	X	X	X		
33481-4421	BLACK	A			X			
33481-4422	BLACK	A			X	X		
33481-4423	LT. GRAY	B	X	X				
33481-4424	DK. GRAY	C						
33481-4425	ST. GRAY	D						
33481-4426	DK. GRAY	C	X	X	X	X		
33481-4427	ST. GRAY	D	X	X	X	X		
33481-4428	YELLOW	A						
33481-4429	LT. GRAY	B		X	X			
33481-4430	BLACK	A	X		X			

W2

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:
▽ = 0	mm	1:1	EC NO: 607930 DRWN: HKLIANG 2018/11/09 CHK'D: JDENG02 2018/12/04 APPR: JDENG02 2018/12/04
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 3.0°		INITIAL REVISION: DRWN: DGRIFITHS 2005/08/26 APPR: smarceau 2005/08/29
▽ = 0	4 PLACES ±		
▽ = 0	3 PLACES ±		DOCUMENT NUMBER SD-33481-041
▽ = 0	2 PLACES ± 0.1		
▽ = 0	1 PLACE ± 0.3		DOC TYPE PSD
▽ = 0	0 PLACES ±		DOC PART 001
☒ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		REVISION W2
■ = 0	THIRD ANGLE PROJECTION	DRAWING	MATERIAL NUMBER
▽ = 0		D-SIZE	CUSTOMER GENERAL MARKET
		SERIES 33481	SHEET NUMBER 5 OF 5