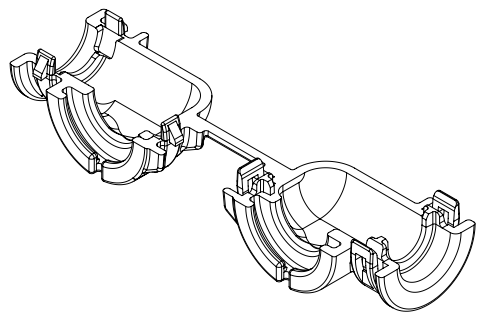
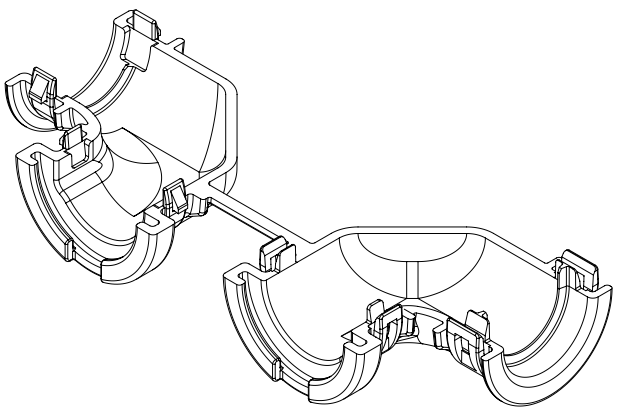


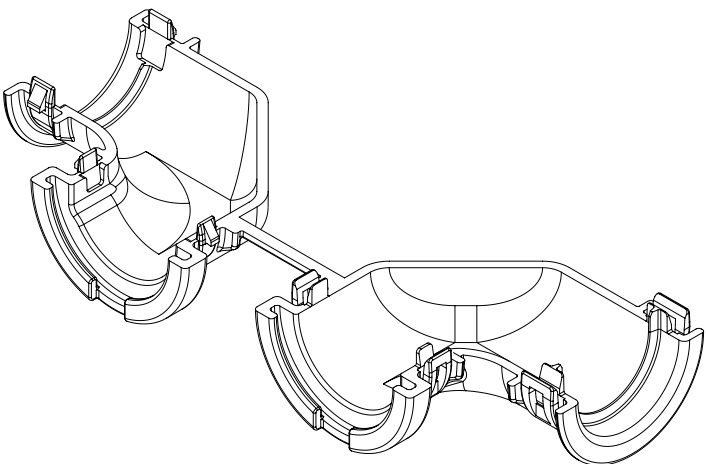
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	ADAPTOR DETAIL



1X3 C.S.



2X4



2X8/2X10

ADAPTOR NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. APPLICATION SPECIFICATION SEE: 1600730001-AS REV C

-DESIGNED TO MATE WITH BACKSHELL AS SPECIFIED IN THE BOM

-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY. SEE GM DRAWING 13109960 REV 006 FOR CONDUIT SPECIFICATIONS

b. PRODUCT SPECIFICATION: TBD

c. PACKAGING SPECIFICATION SEE: TBD

d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300

e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

f. FOLLOWING PRODUCTION CODES TO BE PRESENT

-DATE CODE

-MOLD CAVITY CODE

-MOLEX LOGO

-RECYCLE CODE
2. DESIGN - MATERIALS:

a. PA66 0% GLASS FILLED

b. BLACK
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 - 2009.

c. CORNERS SHOWN AS SHARP TO BE R 0.1.

d. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B).

e. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS C) FOR SPECIFIED AREAS ON THE ADAPTOR.

f. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

INSPECTION NUMBER LOG	
LAST NUMBER: 53	
ADDED: 41,51,43,53,45,48,27,28,14,25,17,19,15,27	
REMOVED: 1,2,3,4,5,43,53	

BILL OF MATERIALS (BOM)

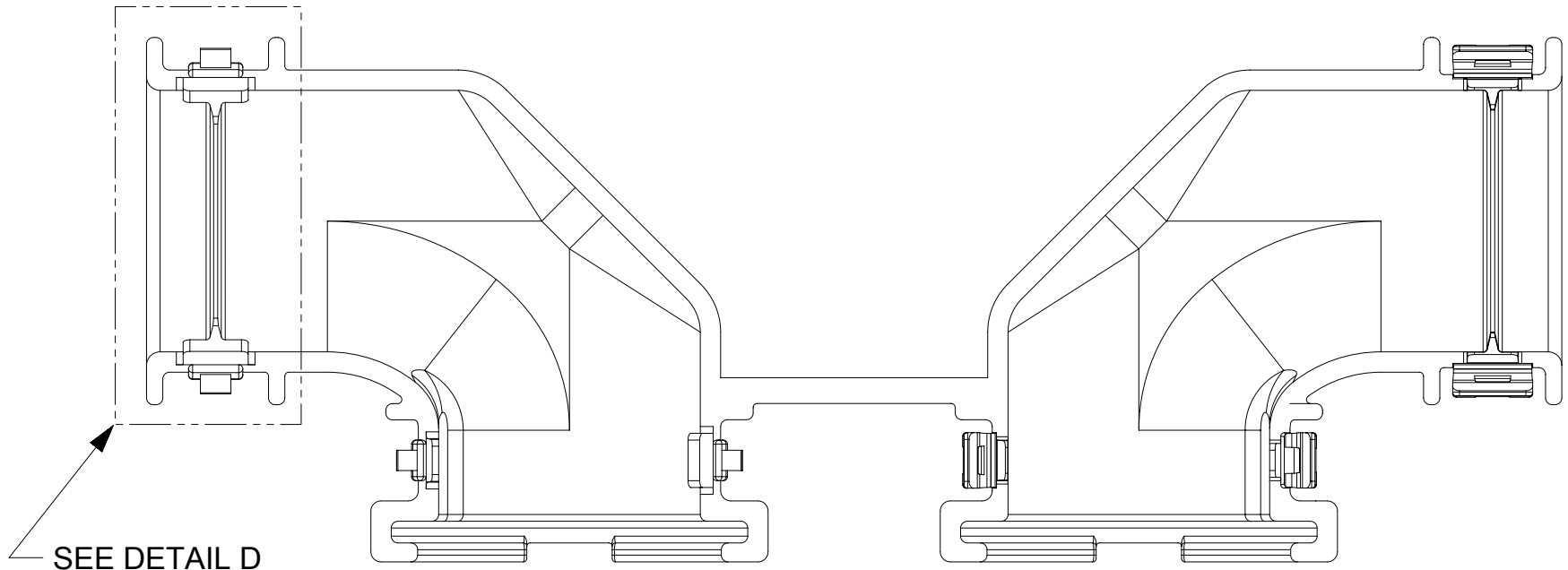
DESCRIPTION	PART NUMBER	CIRCUIT SIZE	COLOR	RIBS	MATING DRAWING	CONVOLUTE SIZE	STATUS
1X3 C.S., WITH RIB	204351-0304	1X3 C.S.	BLACK	YES	2043510301 PSD	AD 10 SOFANOUE VARIANT 1	SALEABLE
2X4, WITH RIB	34951-0831	2X4	BLACK	YES	SD-34951-0001 SD-34950-0001	NW 12 SCHLEMMER	SALEABLE
2X4, WITHOUT RIB	34951-0841	2X4	BLACK	NO	SD-34951-0001 SD-34950-0001	NW 12 SCHLEMMER	SALEABLE
2X8/2X10, WITH RIB	34951-1631	2X8/2X10	BLACK	YES	SD-34951-0001 SD-34950-0001	NW 16 SCHLEMMER	SALEABLE
2X8/2X10, WITHOUT RIB	34951-1641	2X8/2X10	BLACK	NO	SD-34951-0001 SD-34950-0001	NW 16 SCHLEMMER	SALEABLE

A10	CHANGED TOLERANCE ON DIM C FROM 0.12 TO 0.10 TO MATCH PDD
A9	CHANGED PARTS STATUS TO SALEABLE
A8	UPDATED RIB FEATURES AND CONTROLS
A7	UPDATE TOLERANCES FOR MANUFACTURING
A6	UPDATE TOLERANCES FOR MANUFACTURING
A5	UPDATE REV DESCRIPTION TABLE
A4	UPDATE NOTE 1.a FOR CONDUIT DEFINITION
A3	RELEASE P/N 204351-0304 FOR SALEABLE
A2	UPDATED CHARTS AND BALLOON NUMBERS
A1	MODIFIED SETTING IN PLM
A	DRAWING RELEASE
REV	DESCRIPTION

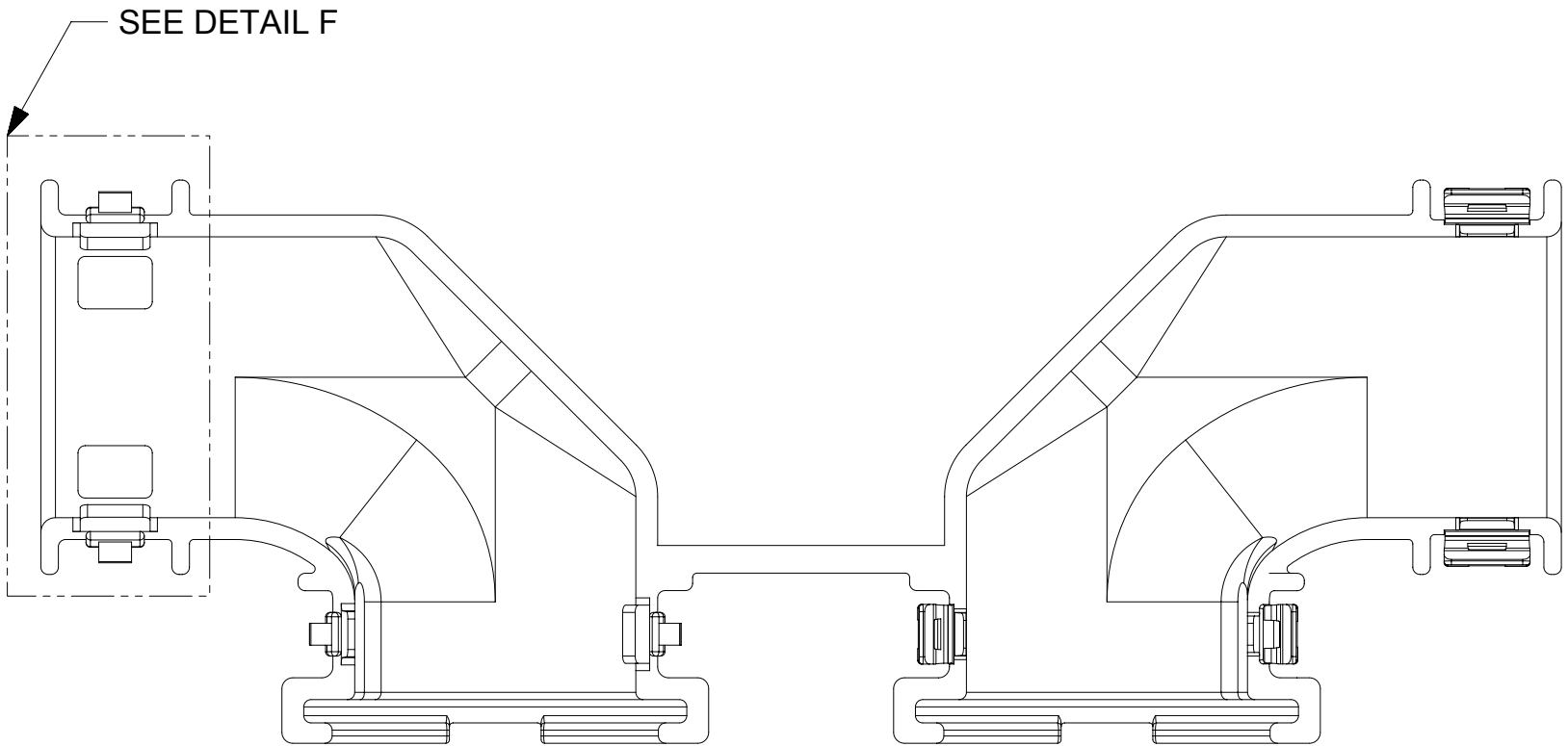
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
EC NO: 632862 DRWN: PPALLAN CHKD: MVANSLAMBROU APPR: MVANSLAMBROU REV	2020/02/25 2020/02/26 2020/02/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® MX150 90° ADAPTOR			
				mm		1:1					
		ANGULAR TOL ± °		DRWN BY		DATE					
		4 PLACES ±		DDEB		2017/12/08					
		3 PLACES ±		CHK'D BY		DATE					
		2 PLACES ± 0.1		APPR BY		DATE		PRODUCT CUSTOMER DRAWING			
		1 PLACE ± 0.2		MVANSLAMBROU		2017/12/20					
		0 PLACES ±									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER	
A10	REV			A2				34951			
								DOCUMENT NUMBER		DOC TYPE	
								349510001		PSD	
								DOC PART		SHEET NUMBER	
								000		1 OF 4	

RELEASE STATUS	P1	RELEASE DATE	2020/02/26	00:51:12
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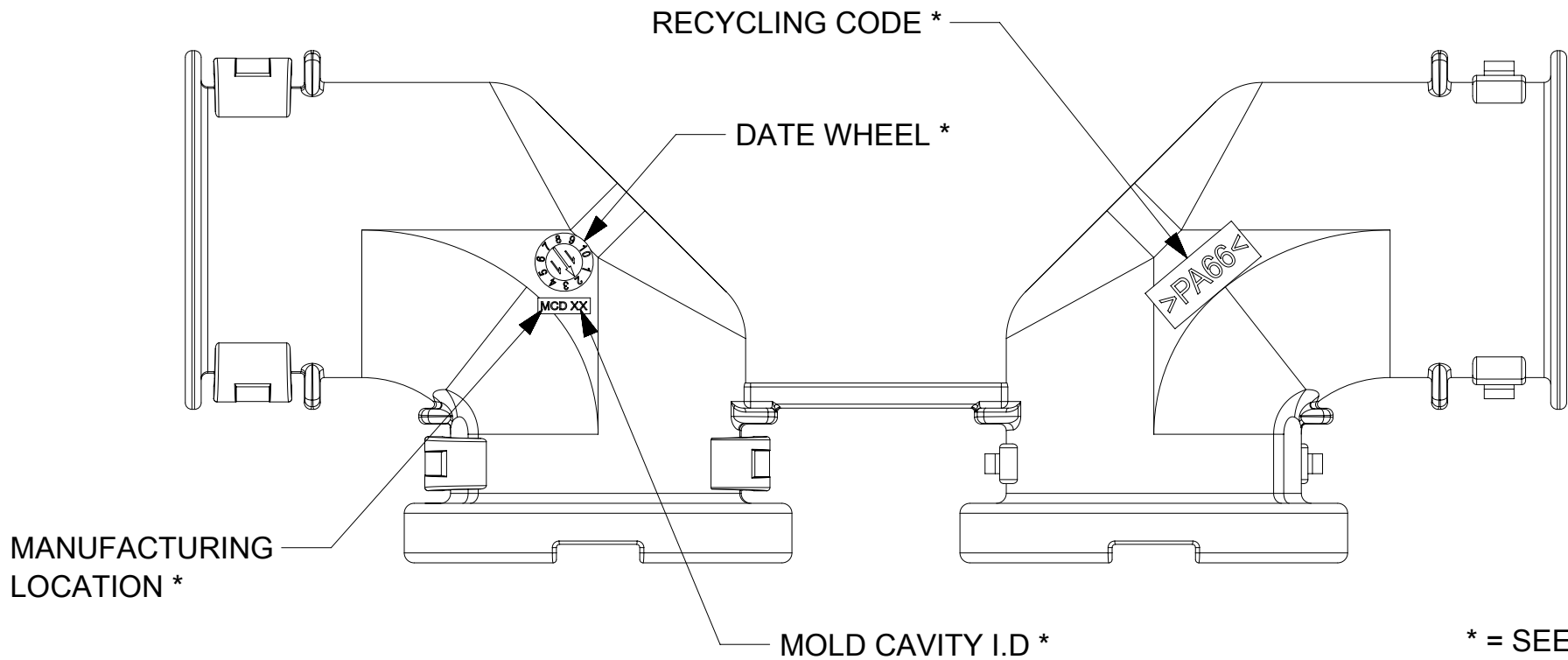
SHEET DESCRIPTION
DUAL ROW ADAPTOR DETAIL



WITH RIB

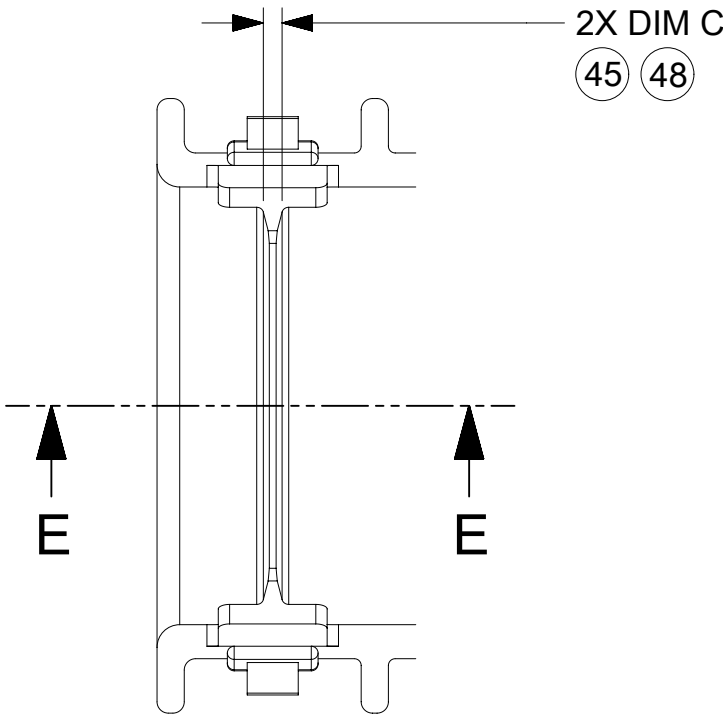


WITHOUT RIB

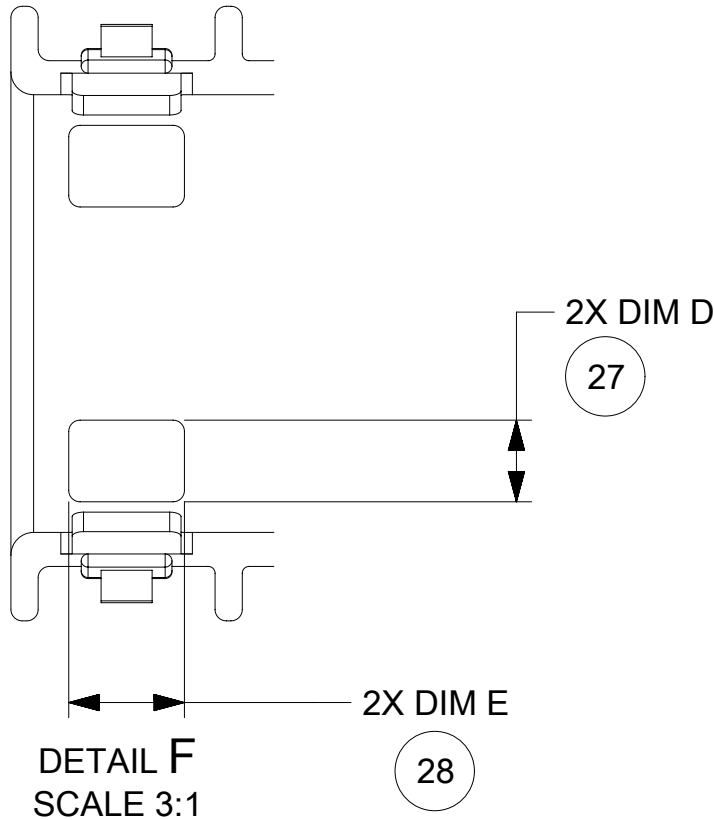


DUAL ROW

* = SEE ADAPTOR NOTES - 3.e.

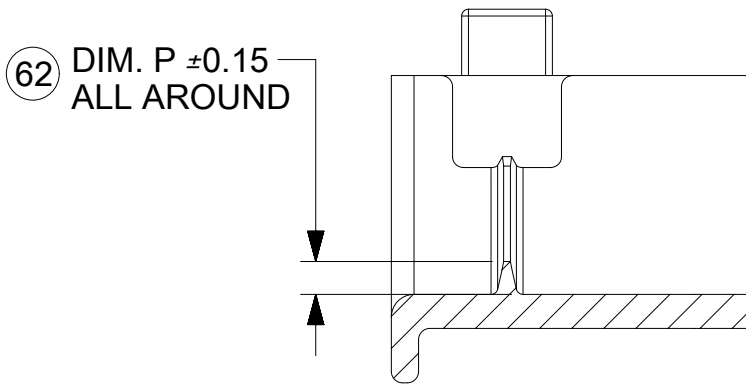


DETAIL D
SCALE 3:1

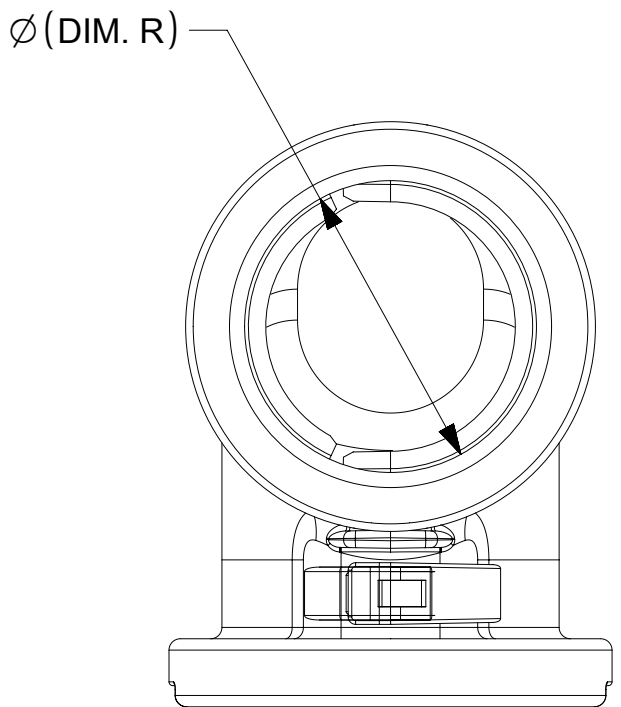


DETAIL F
SCALE 3:1

CHARTED DIMENSION					
DESCRIPTION	DIMENSIONS				
	P	R	C	D	E
2X4 WITH RIB	1.35	16.10	0.80	N/A	N/A
2X4 W/O RIB	N/A	16.10	N/A	3.60	5.10
2X8/2X10 WITH RIB	1.45	19.30	0.80	N/A	N/A
2X8/2X10 W/O RIB	N/A	19.30	N/A	3.60	5.10



SECTION E-E

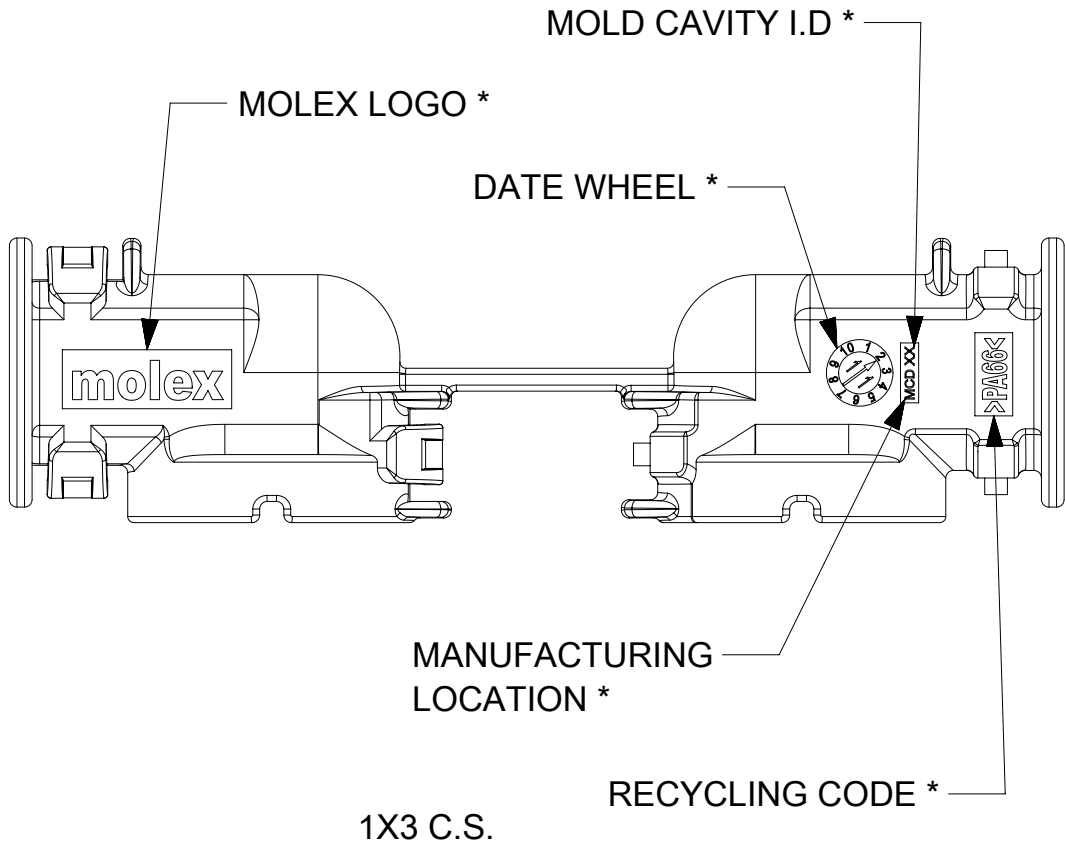
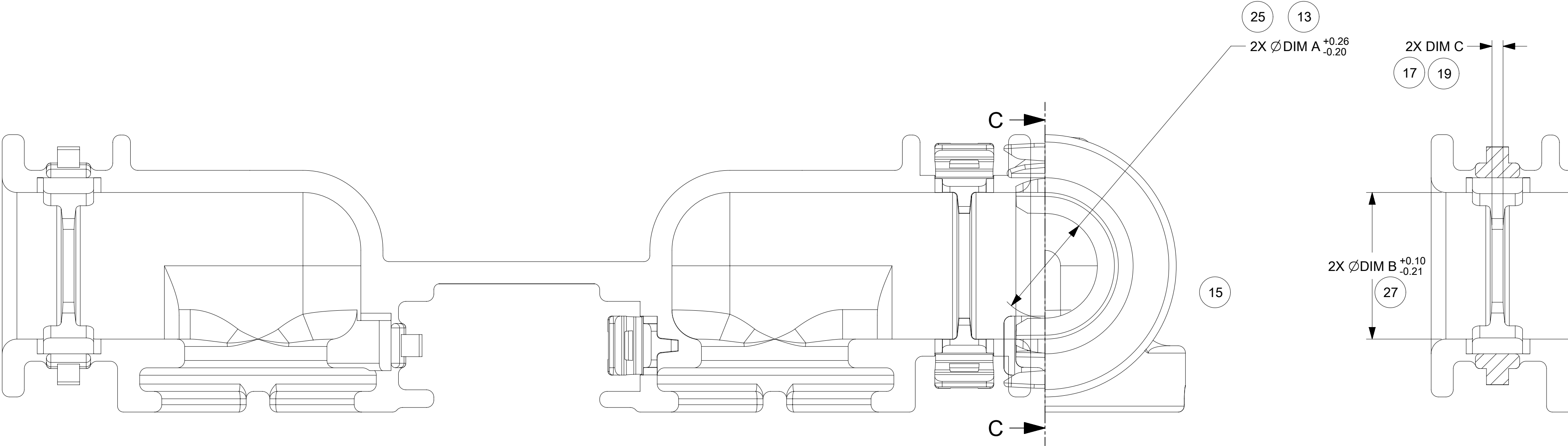


FOR WITH RIB AND WITHOUT RIB

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
EC NO: 632862 DRWN: PPALLAN CHKD: MVANSLAMBROU APPR: MVANSLAMBROU	2020/02/25 2020/02/26 2020/02/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex MX150 90° ADAPTOR			
		ANGULAR TOL ± °		mm	2:1				
		4 PLACES ±		DRWN BY	DATE				
		3 PLACES ±		DDEB	2017/12/08	PRODUCT CUSTOMER DRAWING			
		2 PLACES ± 0.1		CHK'D BY	DATE				
		1 PLACE ± 0.2		APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER			
		0 PLACES ±		MVANSLAMBROU	2017/12/20	34951			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER 349510001 DOC TYPE PSD DOC PART 000 SHEET NUMBER 3 OF 4			
A10	REV			A2					

SHEET DESCRIPTION
SINGLE ROW ADAPTOR DETAIL

CHARTED DIMENSION			
DESCRIPTION	DIMENSIONS		
	A	B	C
1X3 C.S. WITH RIB	7.1	9.95	0.75



* = SEE ADAPTOR NOTES - 3.e.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		Material: Heat treat:			molex								
mm		5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				Finish:			MX150 90° ADAPTOR								
ANGULAR TOL ± °				CURRENT REV DESC:											
4 PLACES		±		EC NO: 632862 DRWN: PPALLAN 2020/02/25 CHK'D: MVANSLAMBROU 2020/02/26 APPR: MVANSLAMBROU 2020/02/26 ORIG DRWN BY: DDEB 2017/12/08			PRODUCT CUSTOMER DRAWING								
3 PLACES		±													
2 PLACES		± 0.1													
1 PLACE		± 0.2													
0 PLACES		±													
TOOL NUMBER				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A2-SIZE		34951						4 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2020/02/26 00:51:12
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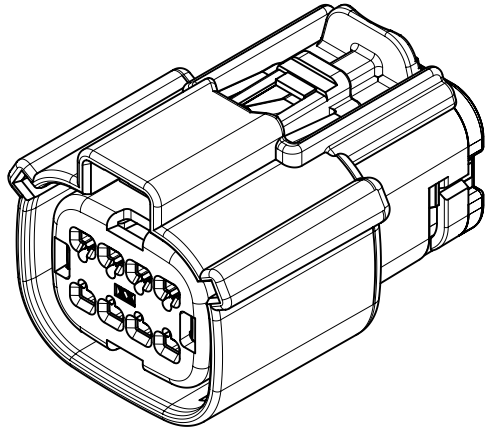
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3-4	KEY CONFIGURATIONS
5	RECEPTACLE CONNECTOR ASSEMBLY
6	2X10 CONNECTOR INTERFACE DEFINITION

NOTES: VALID UNLESS OTHERWISE SPECIFIED

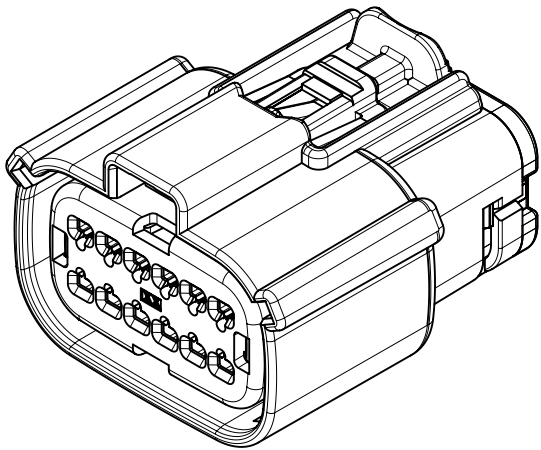
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- DESIGNED TO MATE WITH DEVICE OR CONNECTOR 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: PS-160008-0001
- CONTAINS: SCOPE, PRODUCT DESCRIPTION, INTEGRAL COMPONENTS AND ACCESSORIES, APPLICABLE DOCUMENTS AND SPECIFICATIONS, RATINGS, PERFORMANCE, PACKAGING, GUAGES AND FIXTURES, AND OTHER INFORMATION.
- 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-699000-300
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:
- a. SEE BOM TABLE IN SD-160008-0002

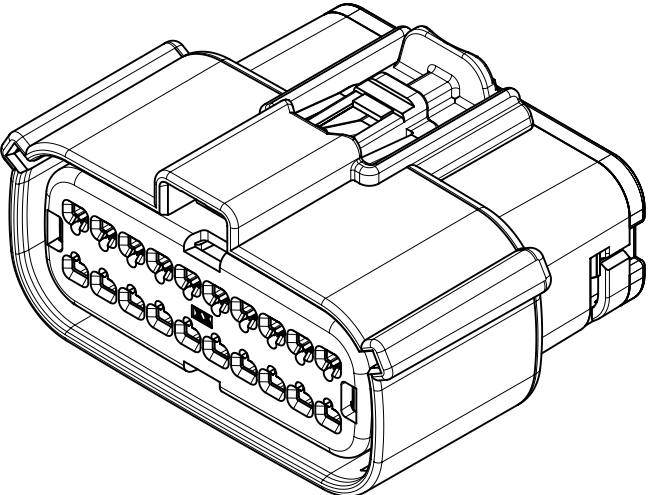
3. DESIGN - GEOMETRY:
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009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



2X4



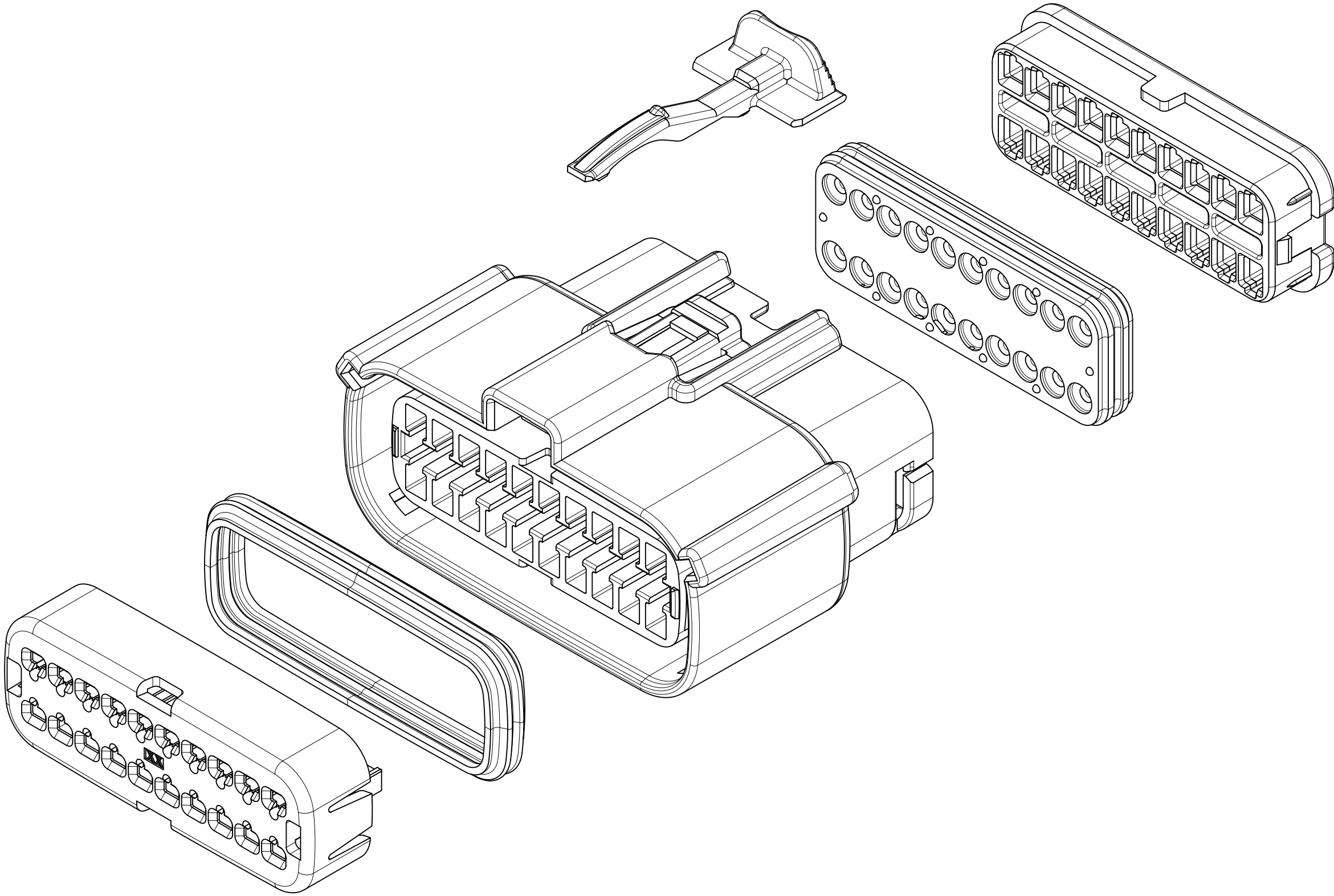
2X6



2X10

PACKAGING	
DESCRIPTION	DRAWING NO.
2X2	TBD
2X3	TBD
2X4	PK-33472-001
2X6	PK-31300-903
2X8	TBD
2X10	PK-31300-903

MATING CONNECTOR DRAWINGS		
DESCRIPTION	INTERFACE DEFINITION	MOLEX INLINE
2X2	*150-S-004-2-Z02	TBD
2X3	*150-S-006-2-Z02	TBD
2X4	*150-S-008-2-Z02	SD-160011-0001
2X6	*150-S-012-2-Z01	SD-160011-0001
2X8	*150-S-016-2-Z01	TBD
2X10	E-160008-0001	SD-160011-0001



INSPECTION NUMBER LOG	A5	ADDED MOLEX BACKSHELL DETAILS		
	A4	UPDATED INTERFACE SHEET		
	A3	ADDED SHEET 6 & UPDATED PASS THRU		
	A2	UPDATED NOTES		
	A1	UPDATED DIM 4		
	A	INITIAL RELEASE		
LAST NUMBER:	REV	REV DESCRIPTION		
ADDED:				
REMOVED:				

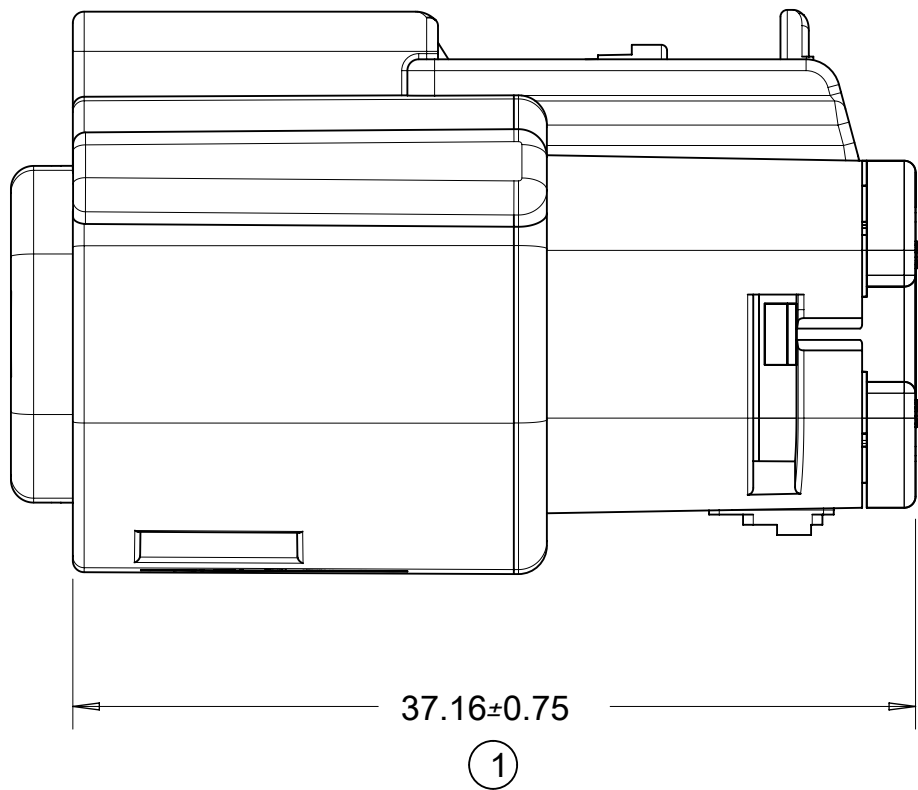
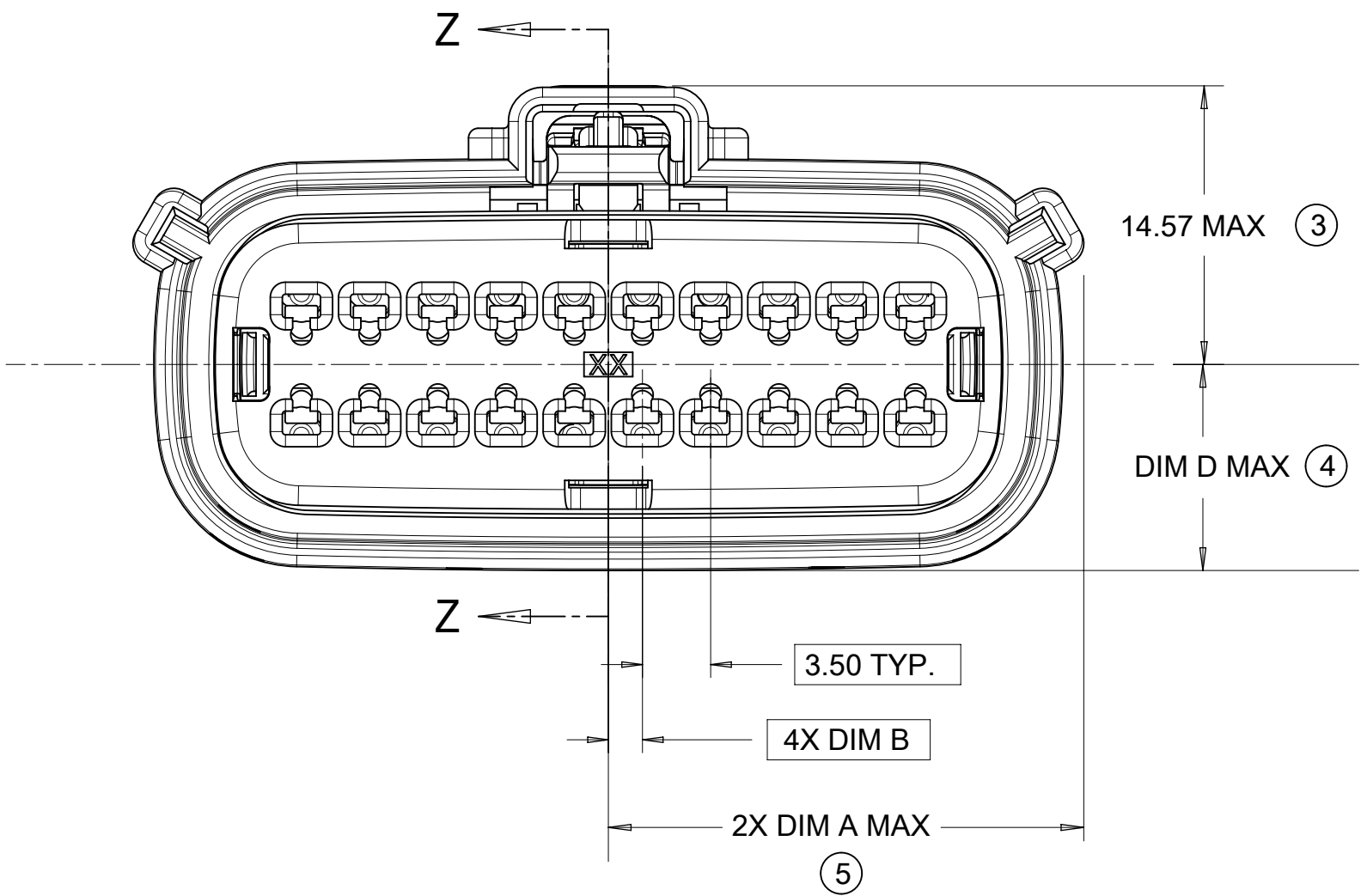
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex		
	mm		1.5:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 173183			MX150 GEN 2 RECEPTACLE DUAL ROW SEALED ASSEMBLY MAT SEAL				
	ANGULAR TOL ± 3.0 °									
	4 PLACES ±		DRWN: DDEB 2018/02/23							
	3 PLACES ±		CHK'D: MVANSLAMBROU 2018/03/07							
	2 PLACES ± 0.1		APPR: MVANSLAMBROU 2018/03/07							
	1 PLACE ± 0.2		INITIAL REVISION:			PRODUCT CUSTOMER DRAWING				
	0 PLACES ±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: KBORUSZEWSKI 2014/02/19			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
		APPR: VKOSHY 2014/03/05			SD-160008-0001		PSD	001	A6	
		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A1-SIZE	160008			GENERAL MARKET		1 OF 11

DOCUMENT STATUS	P1	RELEASE DATE	2018/03/07	14:06:48
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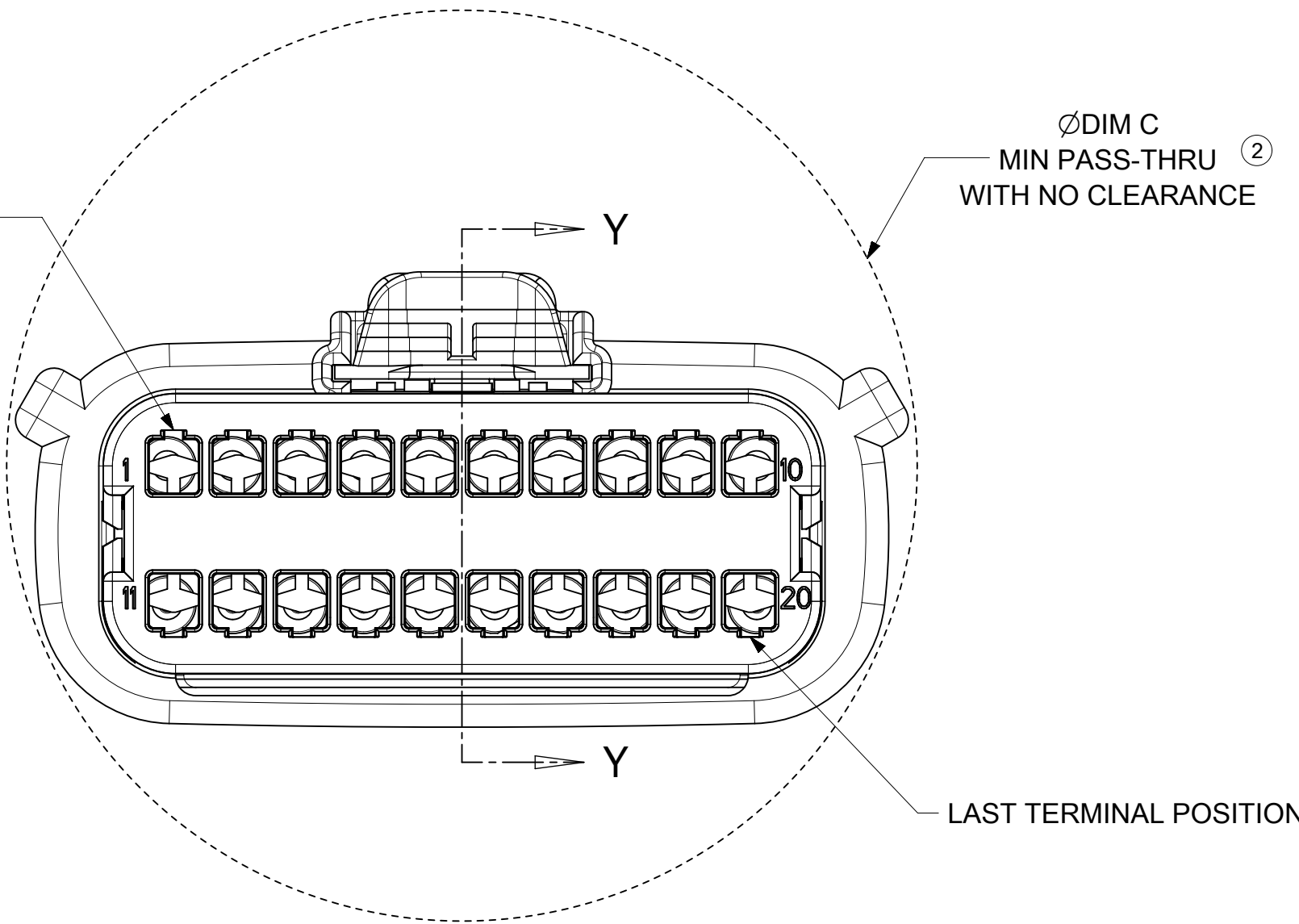
SHEET DESCRIPTION	
RECEPTACLE CONNECTOR ASSEMBLY	

CHARTED DIMENSION				
DESCRIPTION	DIMENSIONS			
	A	B	C	D
2X2 STANDARD	TBD	TBD	TBD	TBD
2X2 W/ CLIPSLOT	TBD	TBD	TBD	TBD
2X3 STANDARD	TBD	TBD	TBD	TBD
2X3 W/ CLIPSLOT	TBD	TBD	TBD	TBD
2X4 STANDARD	14.24	1.75	29.9	10.92
2X4 W/ CLIPSLOT	14.24	1.75	31.1	13.81
2X6 STANDARD	TBD	TBD	36.3	TBD
2X6 W/ CLIPSLOT	TBD	TBD	36.3	TBD
2X8 STANDARD	TBD	TBD	TBD	TBD
2X8 W/ CLIPSLOT	TBD	TBD	TBD	TBD
2X10 STANDARD	24.75	1.75	49.8	10.92
2X10 W/ CLIPSLOT	24.75	1.75	49.8	13.81

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.

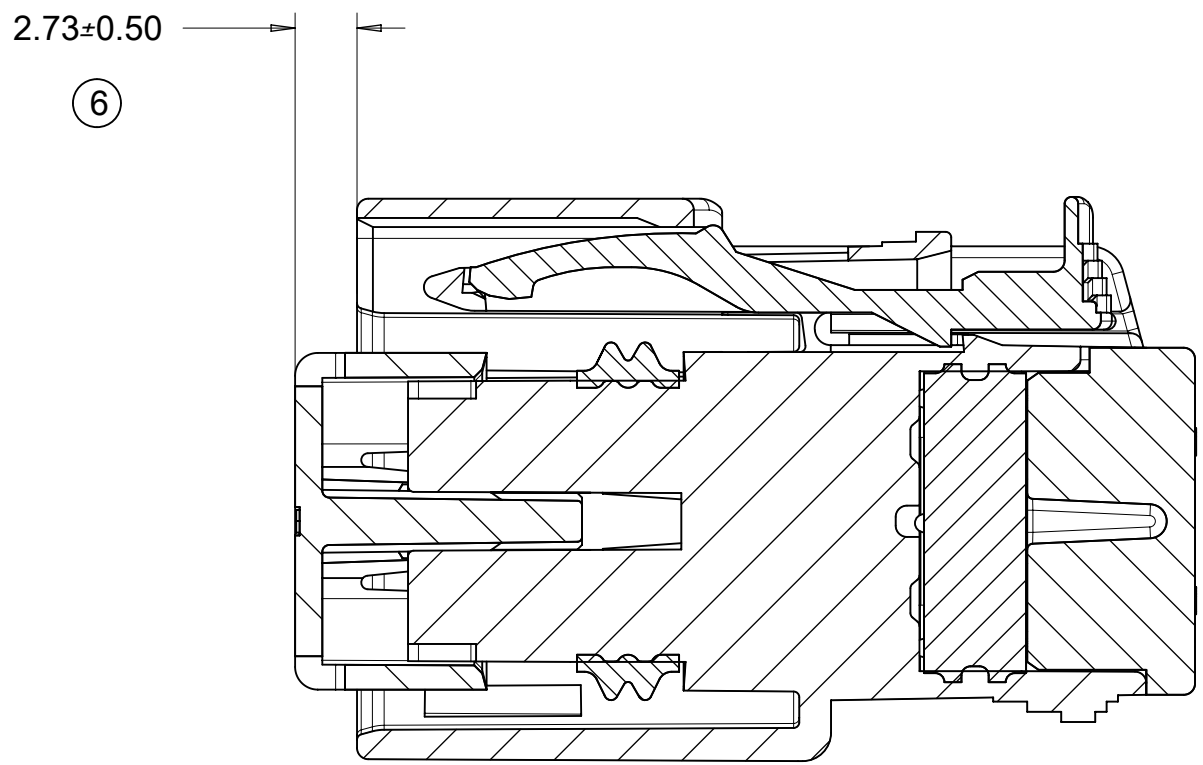
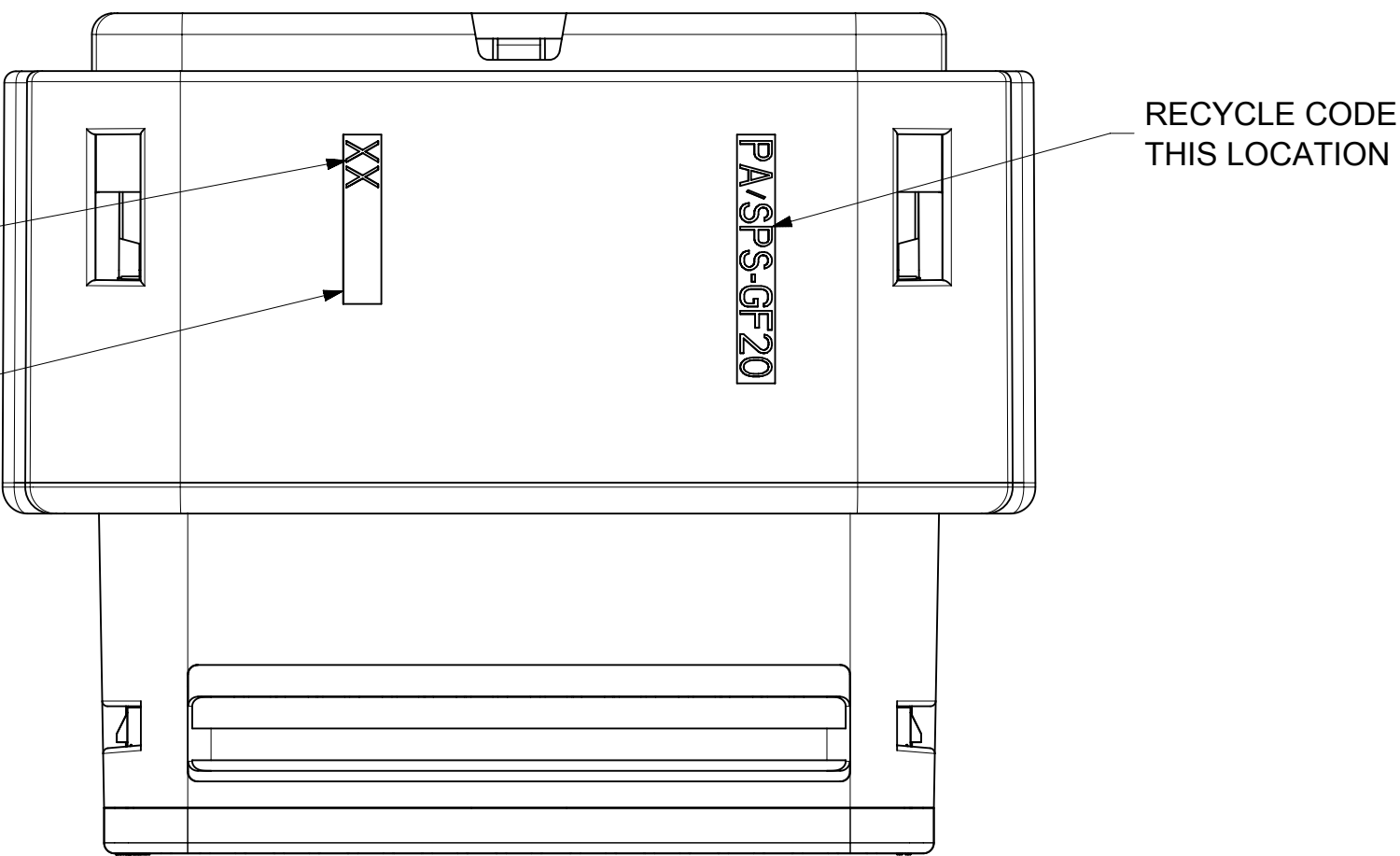


TERMINAL POSITION 1



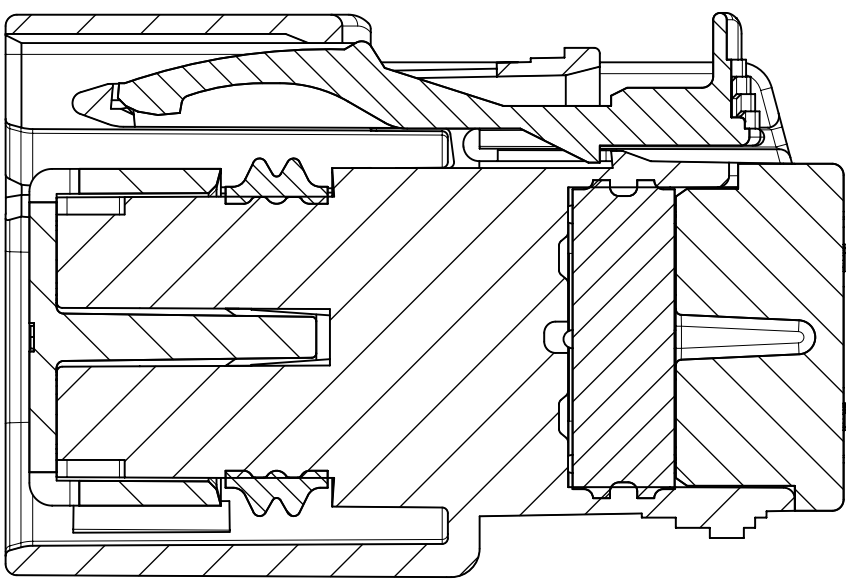
MOLD CAVITY I.D.
THIS LOCATION

MANUFACTURING LOCATION
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 Y-Y

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:										
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 173183 DRWN: DDEB 2018/02/23 CHK'D: MVANSLAMBROU 2018/03/07 APPR: MVANSLAMBROU 2018/03/07 INITIAL REVISION: DRWN: KBORUSZEWSKI 2014/02/19 APPR: VKOSHY 2014/03/05										
	ANGULAR TOL ± 3.0 °														
	4 PLACES ±														
	3 PLACES ±														
	2 PLACES ± 0.1														
	1 PLACE ± 0.2				PRODUCT CUSTOMER DRAWING										
	0 PLACES ±														
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														
THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A1-SIZE		160008		SD-160008-0001		PSD		001		A6	
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										GENERAL MARKET		5 OF 11			

DOCUMENT STATUS	P1	RELEASE DATE	2018/03/07 14:06:48
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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-33472-0001
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
 - DESIGN IS OWNED BY SCHLEMMER FOR SCHLEMMER BACKSHELL.
 - DESIGN IS OWNED BY MOLEX FOR MOLEX BACKSHELL.
 - 90° ADAPTOR DESIGN IS OWNED BY MOLEX.
 - FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34951-0001

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34951-XXXX

- CUSTOMER MODEL COMPONENTS
- 0 - SCHLEMMER BACKSHELL ONLY
 - 1 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
 - 2 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
 - 3 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
 - 4 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY D ASSEMBLY
 - 5 - MOLEX BACKSHELL ONLY
 - 6 - MOLEX BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
 - 7 - MOLEX BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
 - 8 - MOLEX BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
 - 9 - MOLEX BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

- BACKSHELL FEATURES
- 1 - WITH RIBS
 - 2 - WITHOUT RIBS
 - 3 - 90° ADAPTOR

MX150 CIRCUIT SIZE 04, 06, 08, 12, 16, 20

RECEPTACLE SEALED ASSEMBLY

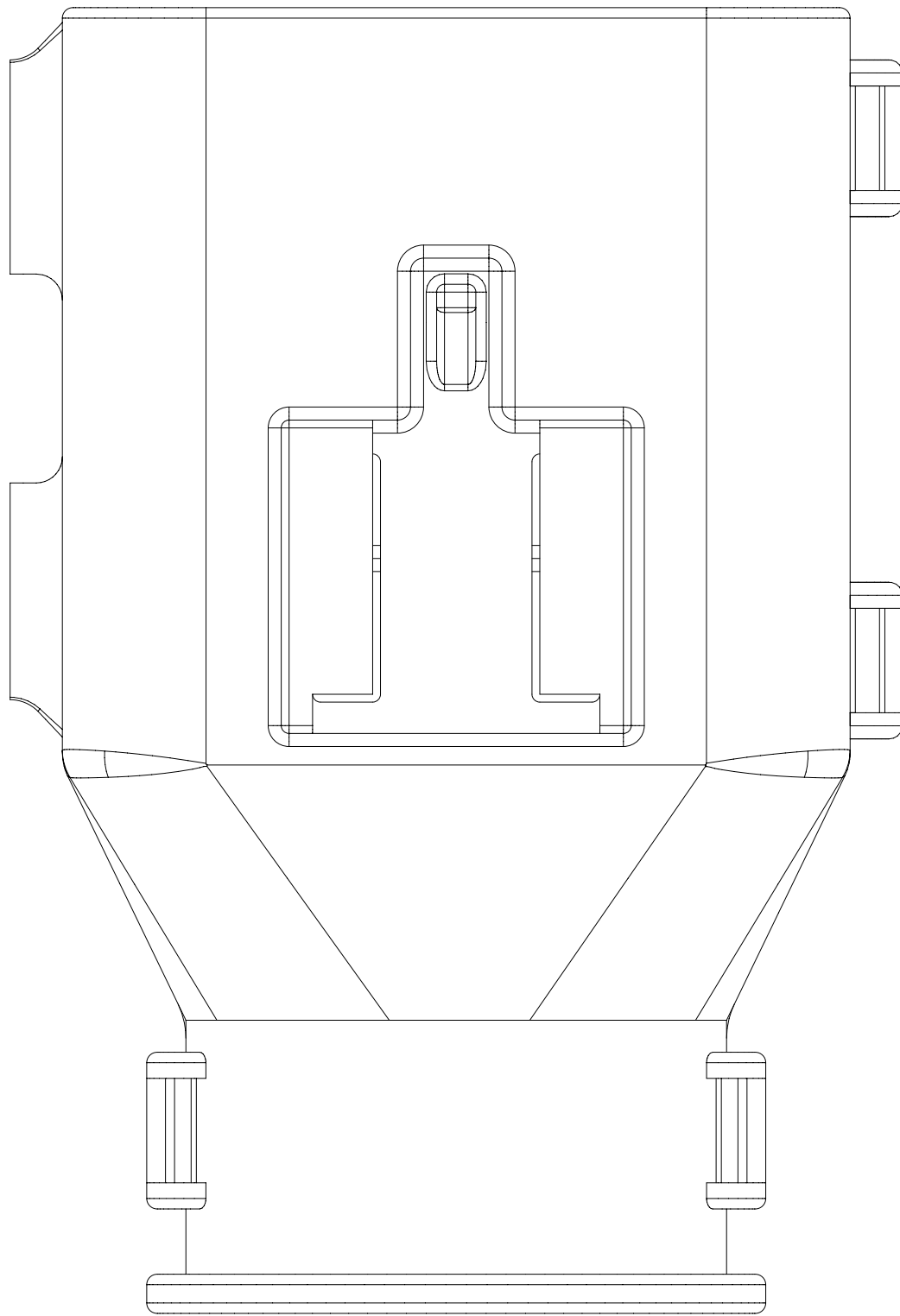
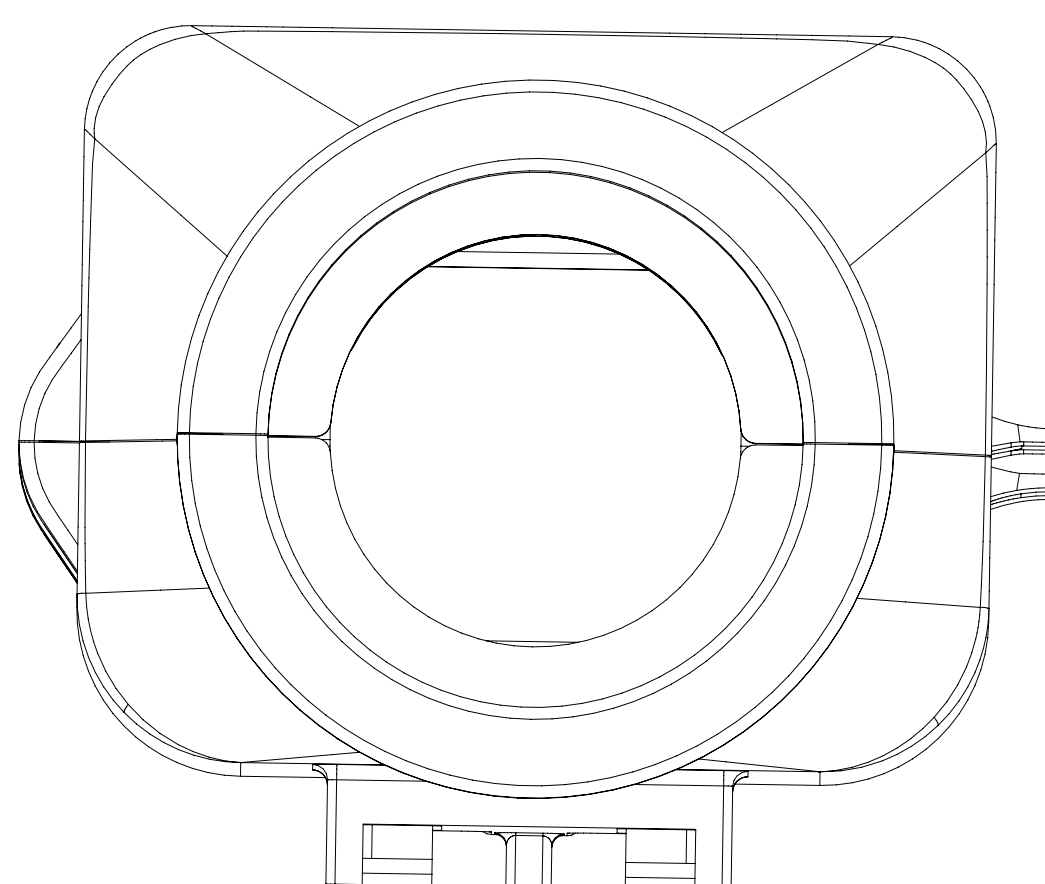
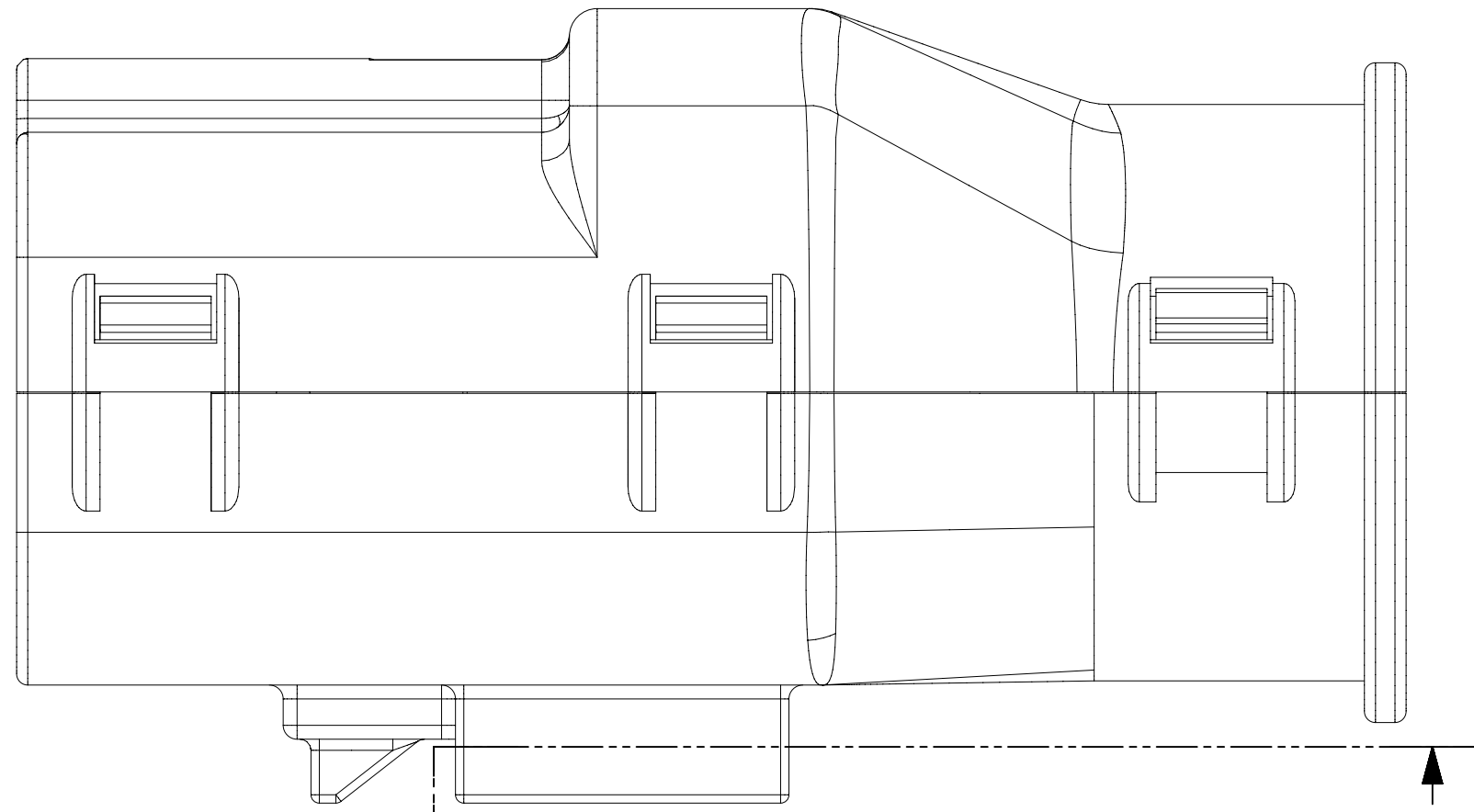
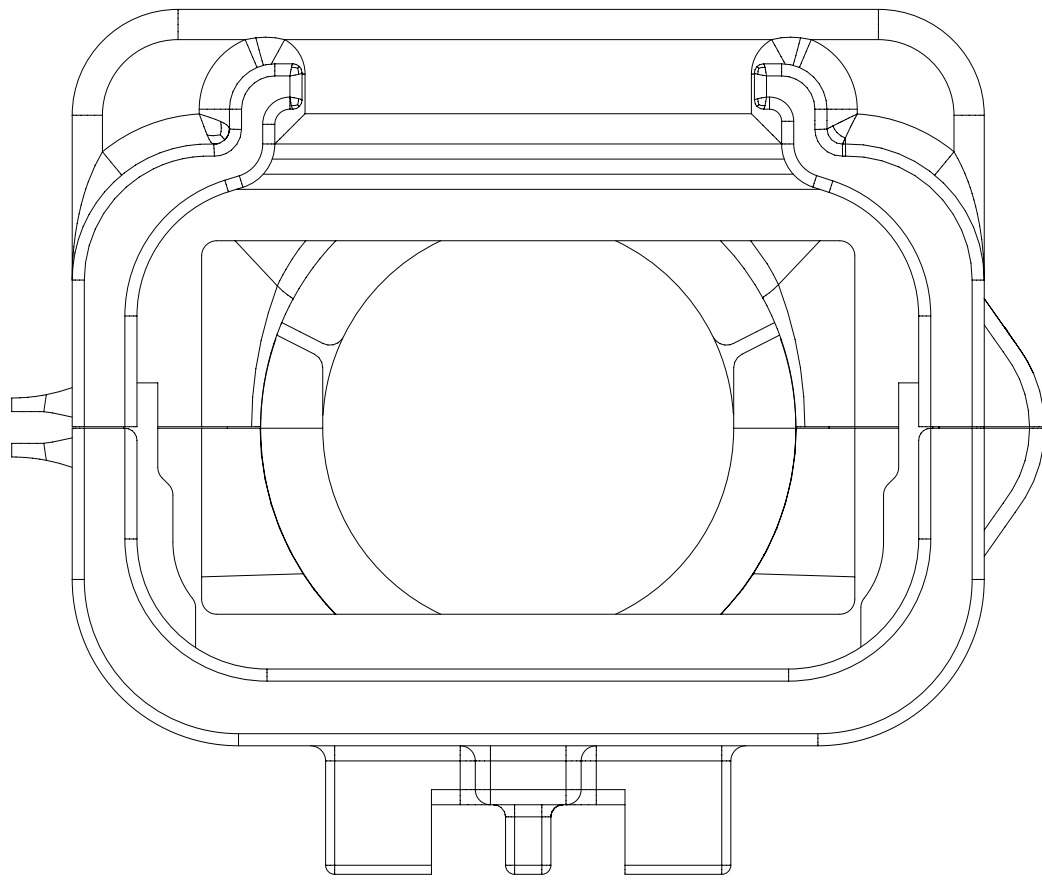
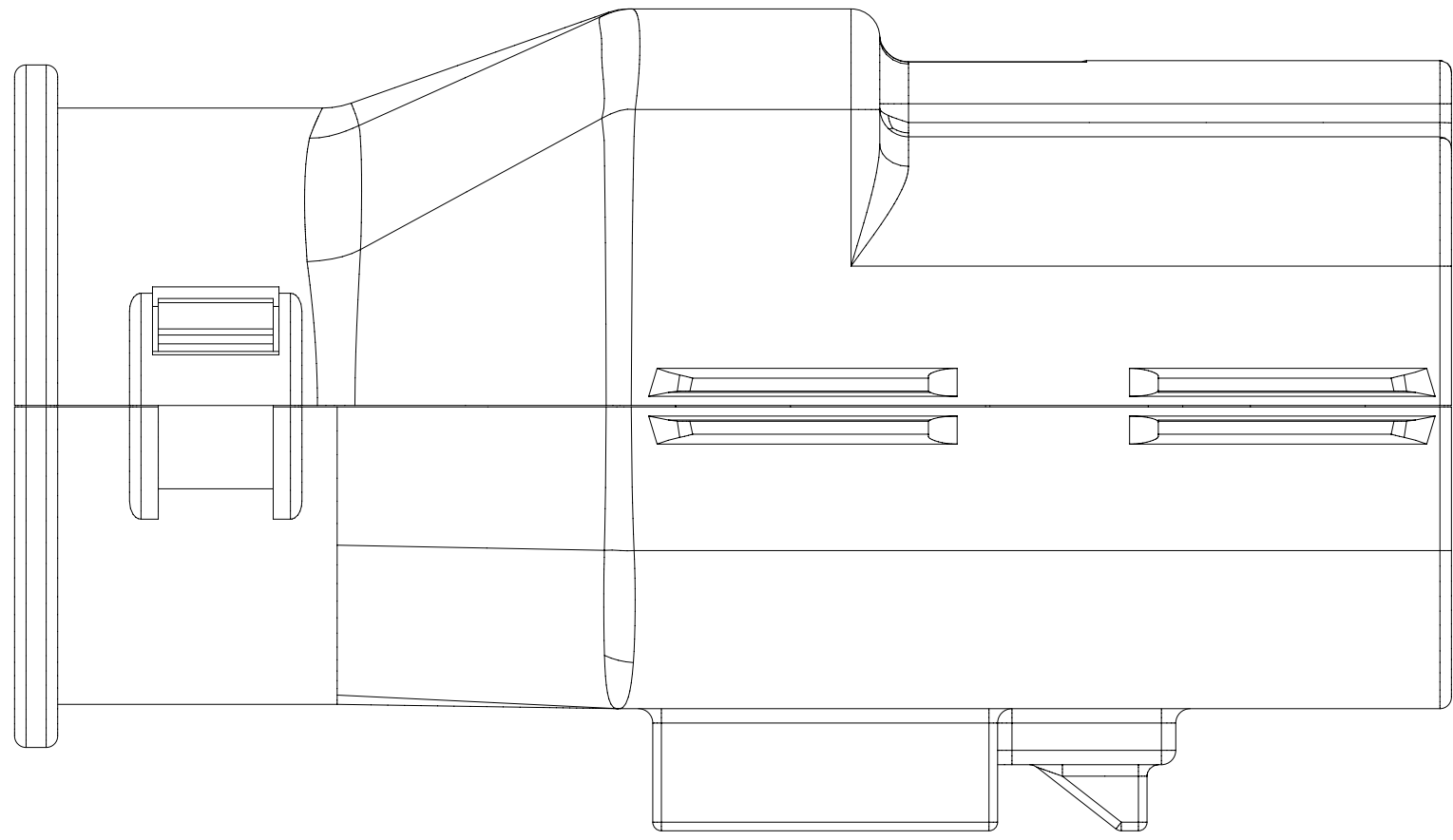
BACKSHELL (BKS)

90° ADAPTOR

SCALE 2:1

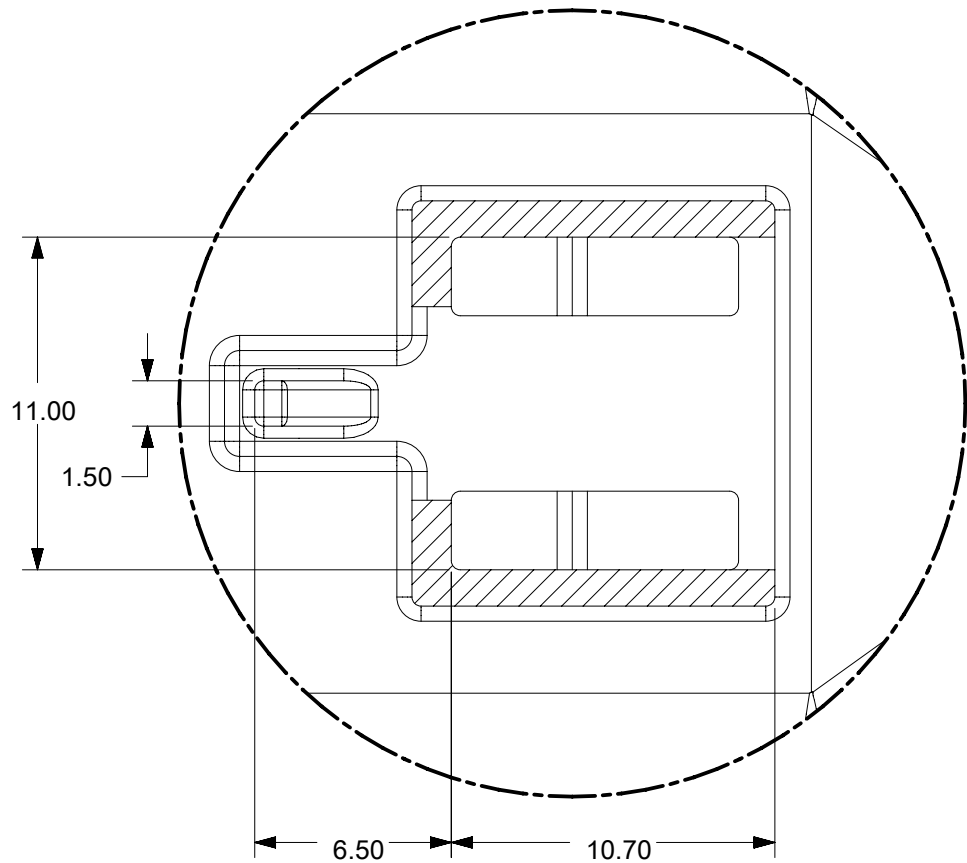
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex				
	mm		1:1											
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ANGULAR TOL ± 3.0 °		PRODUCT CUSTOMER DRAWING												
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	 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												
 = 0				DRAWING A1-SIZE	SERIES 160008									

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL	



V

V

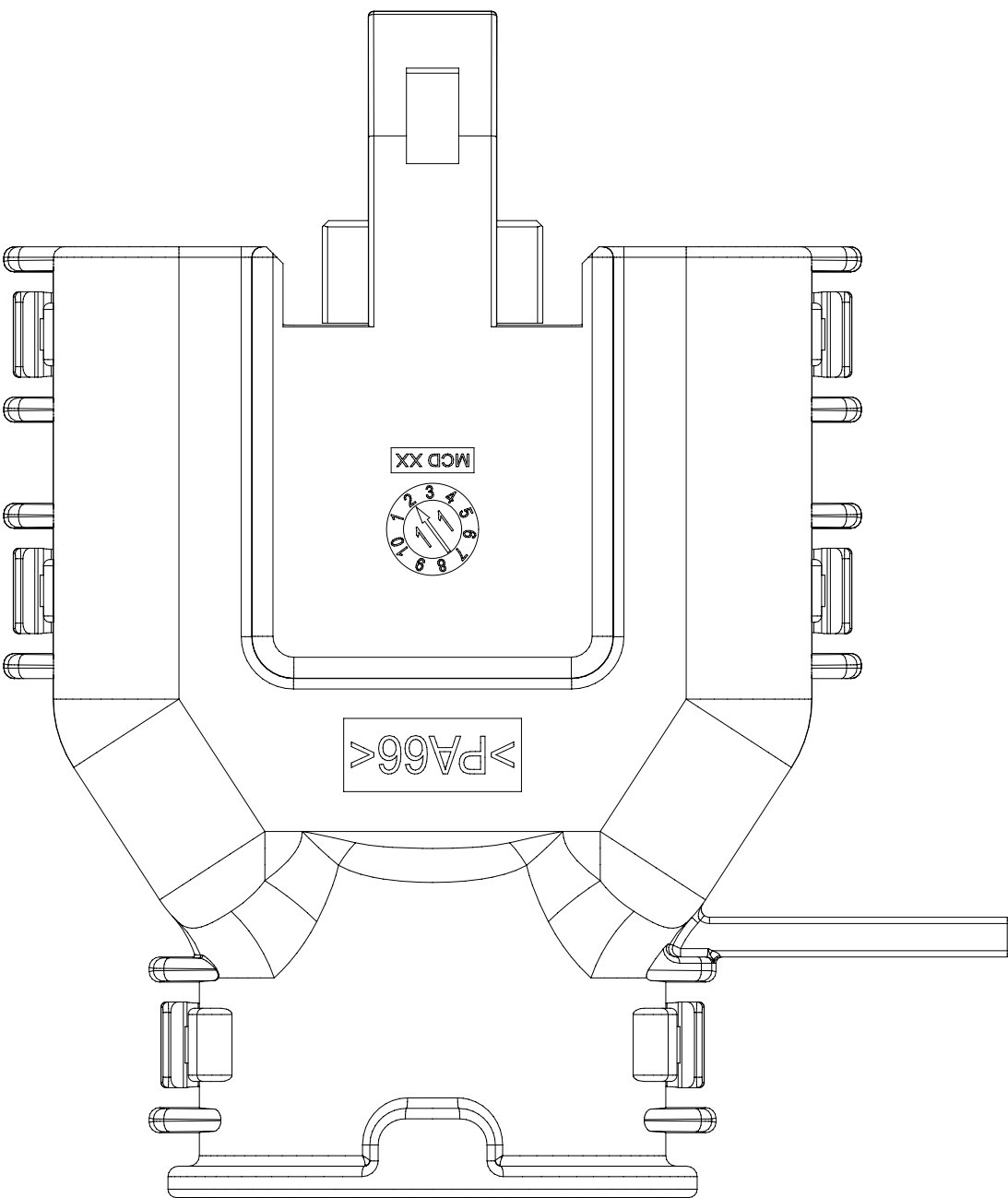
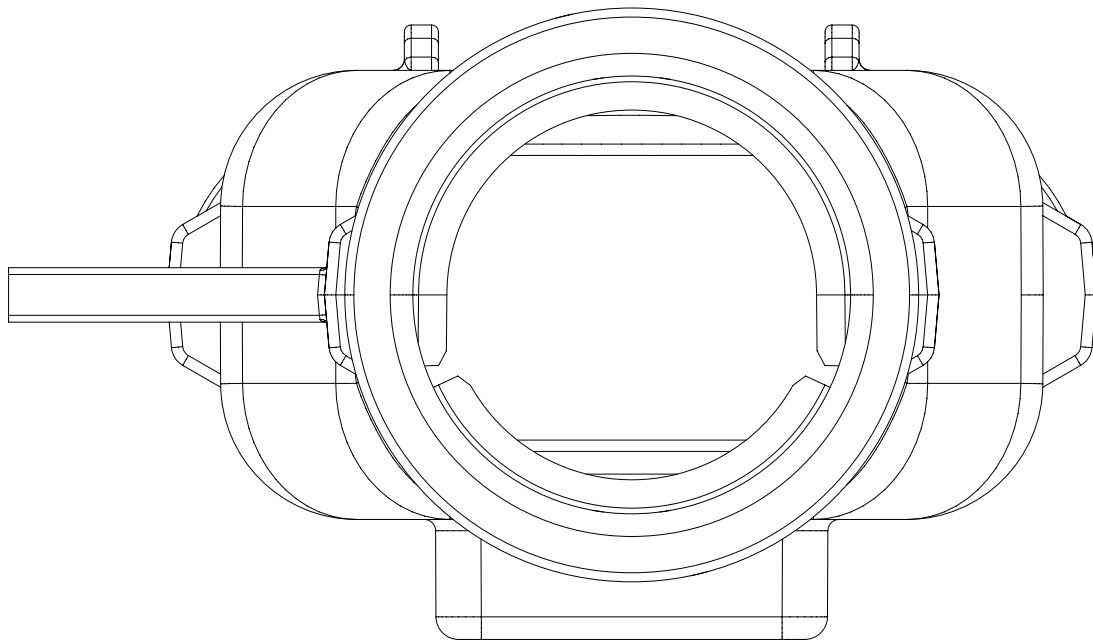
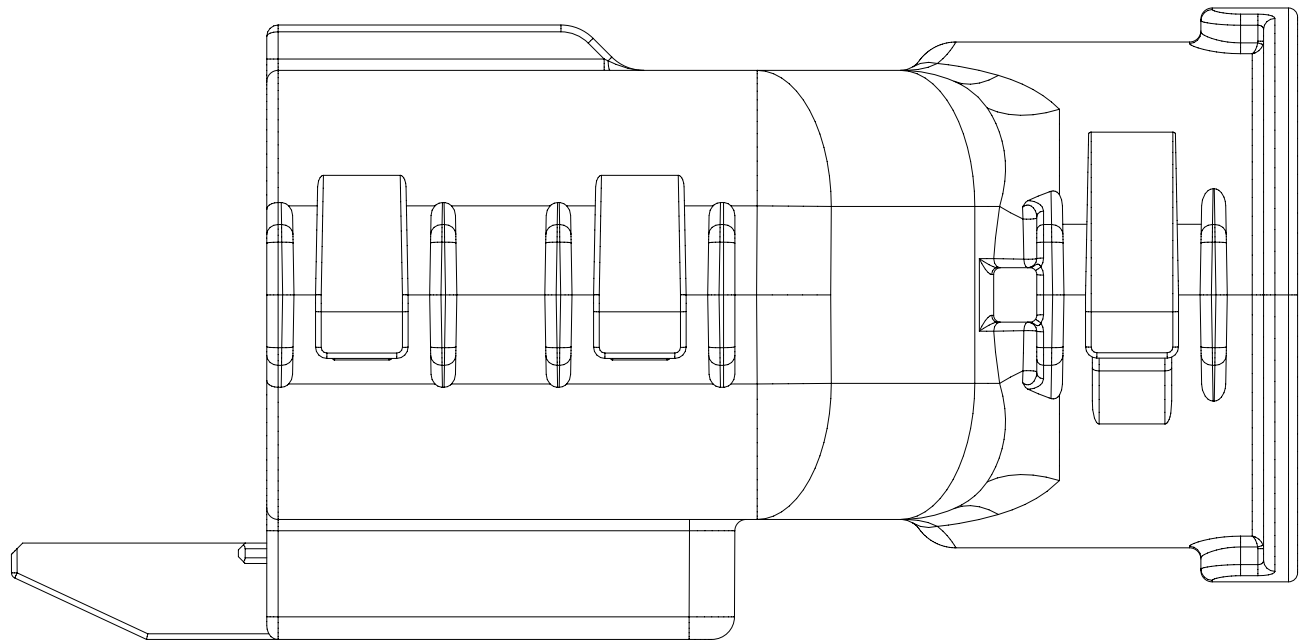
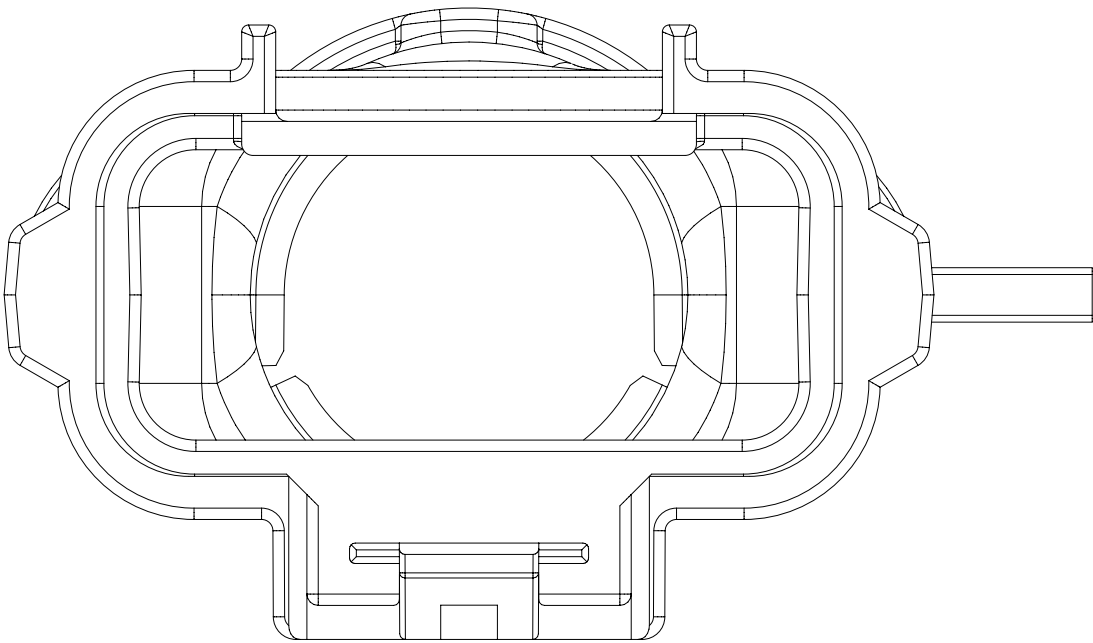
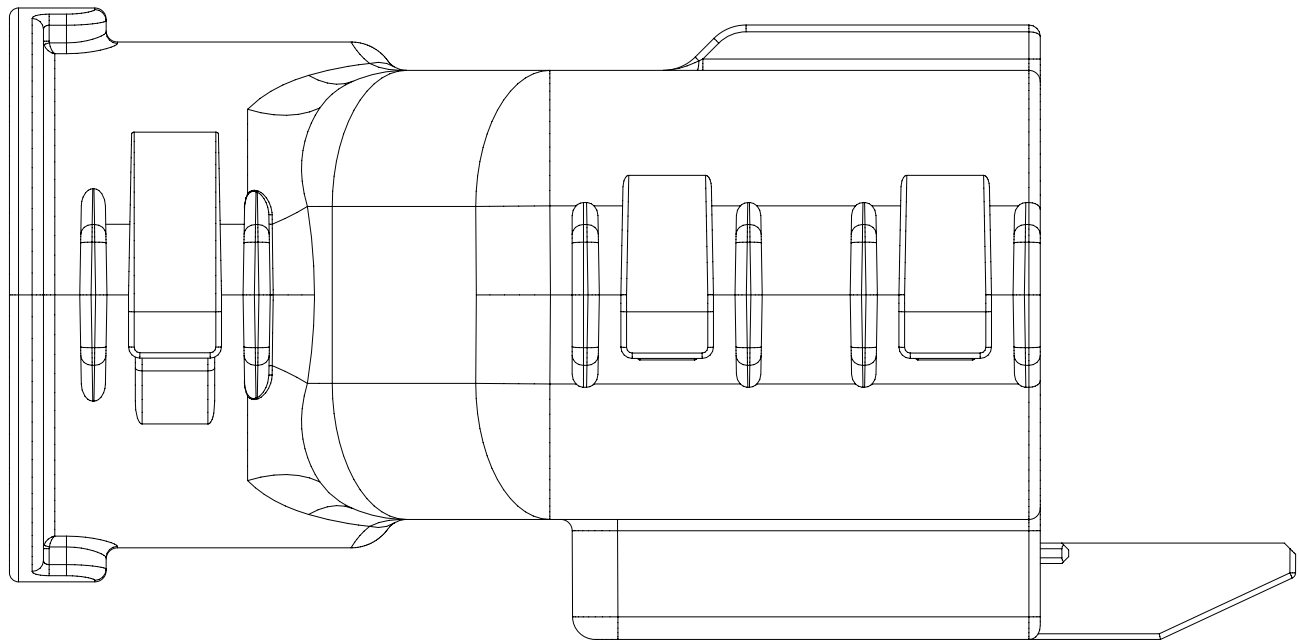


Partial V-V
SCALE 4:1

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
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		mm		1:1													
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 173183 DRWN: DDEB2018/02/23 CHK'D: MVANSLAMBROU2018/03/07 APPR: MVANSLAMBROU2018/03/07 INITIAL REVISION: DRWN: KBORUSZEWSKI2014/02/19 APPR: VKOSHY2014/03/05											
		ANGULAR TOL ± 3.0 °															
		4 PLACES		±													
		3 PLACES		±													
		2 PLACES		± 0.1													
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0		1 PLACE		± 0.2		THIRD ANGLE PROJECTION DRAWING SERIES A1-SIZE160008											
		0 PLACES		±													
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= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0						MATERIAL NUMBER				CUSTOMER				SHEET NUMBER			
										GENERAL MARKET				7 OF 11			

DOCUMENT STATUS	P1	RELEASE DATE	2018/03/07 14:06:48
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SHEET DESCRIPTION	
MOLEX BACKSHELL	

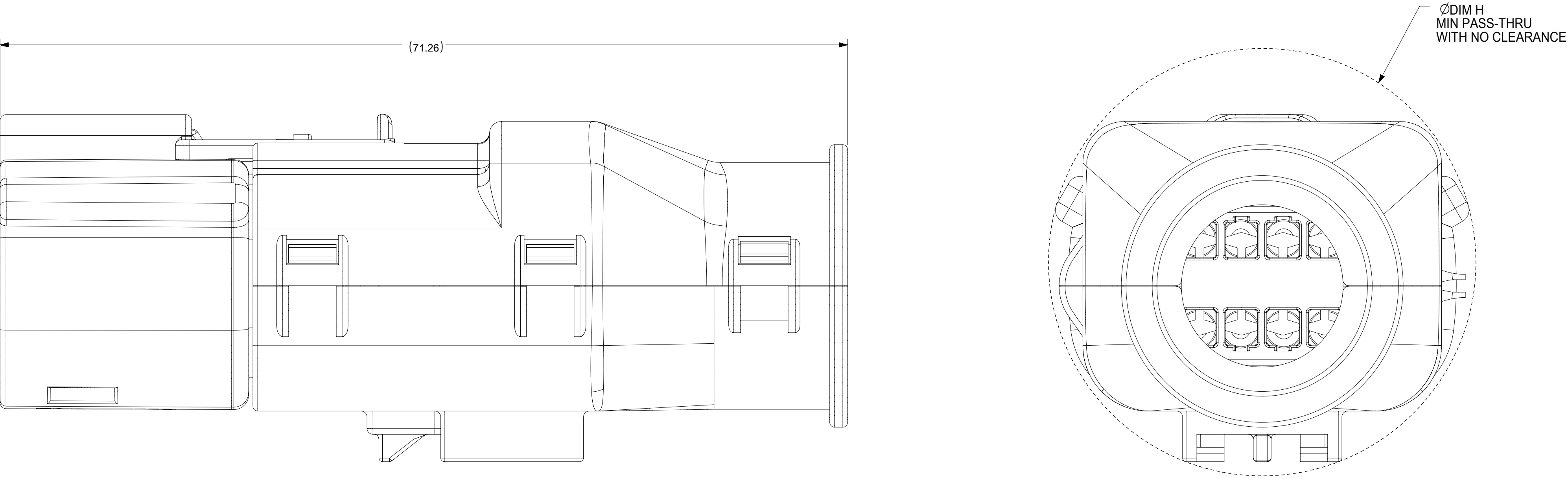


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	mm		1:1							
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)									
 = 0	ANGULAR TOL ± 3.0 °									
 = 0	4 PLACES ±									
 = 0	3 PLACES ±									
 = 0	2 PLACES ± 0.1									
 = 0	1 PLACE ± 0.2									
 = 0	0 PLACES ±									
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
							A1-SIZE		160008	

DOCUMENT STATUS	P1	RELEASE DATE	2018/03/07 14:06:48
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SHEET DESCRIPTION	
SCHLEMMER BACKSHELL CONFIGURATIONS	

CHARTED DIMENSION	
DESCRIPTION	DIMENSIONS
	H
2X3 STANDARD	N/A
2X3 W/O CLIPSLOT	28.50
2X4 W/ CLIPSLOT	N/A
2X4 W/O CLIPSLOT	N/A
2X6 STANDARD	N/A
2X6 W/O CLIPSLOT	35.83



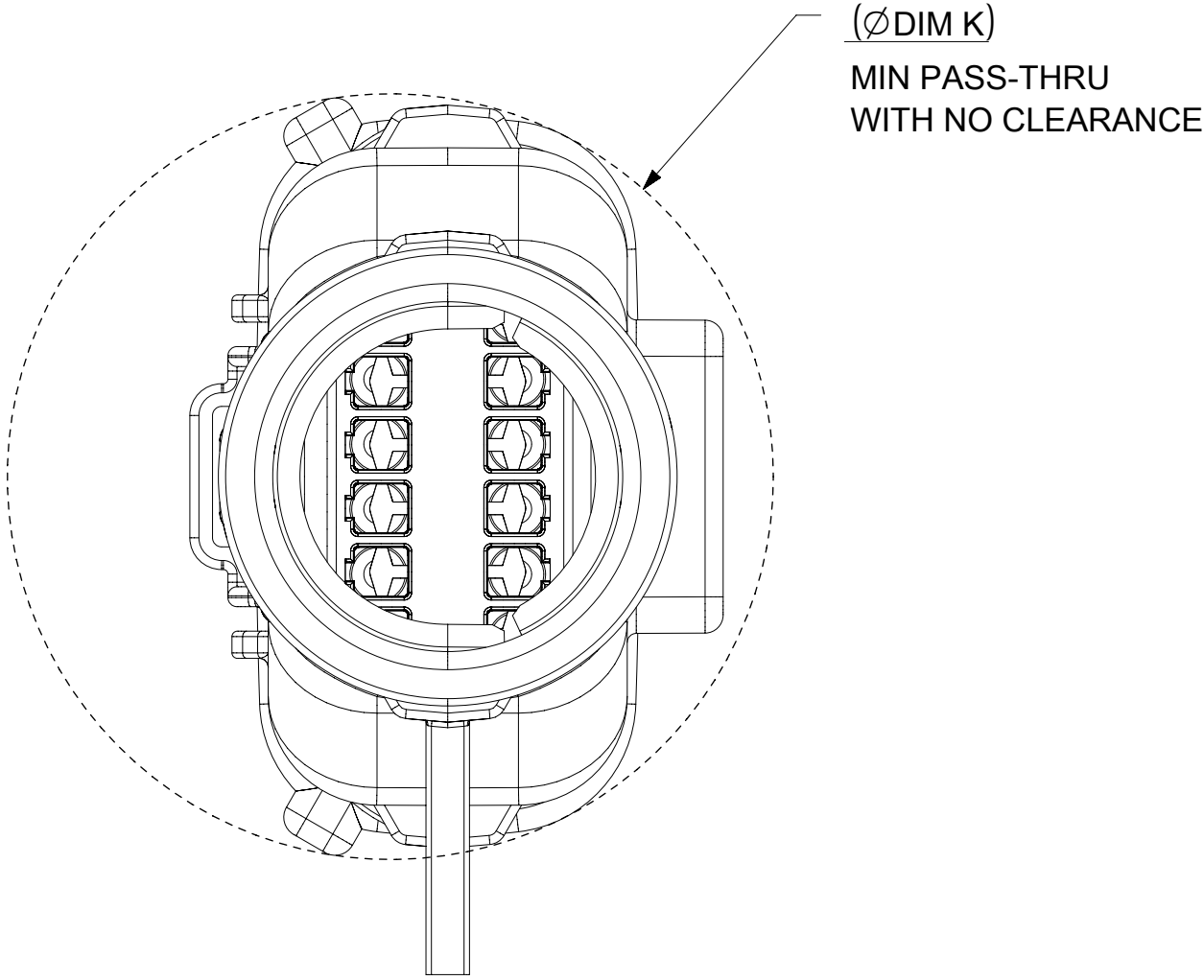
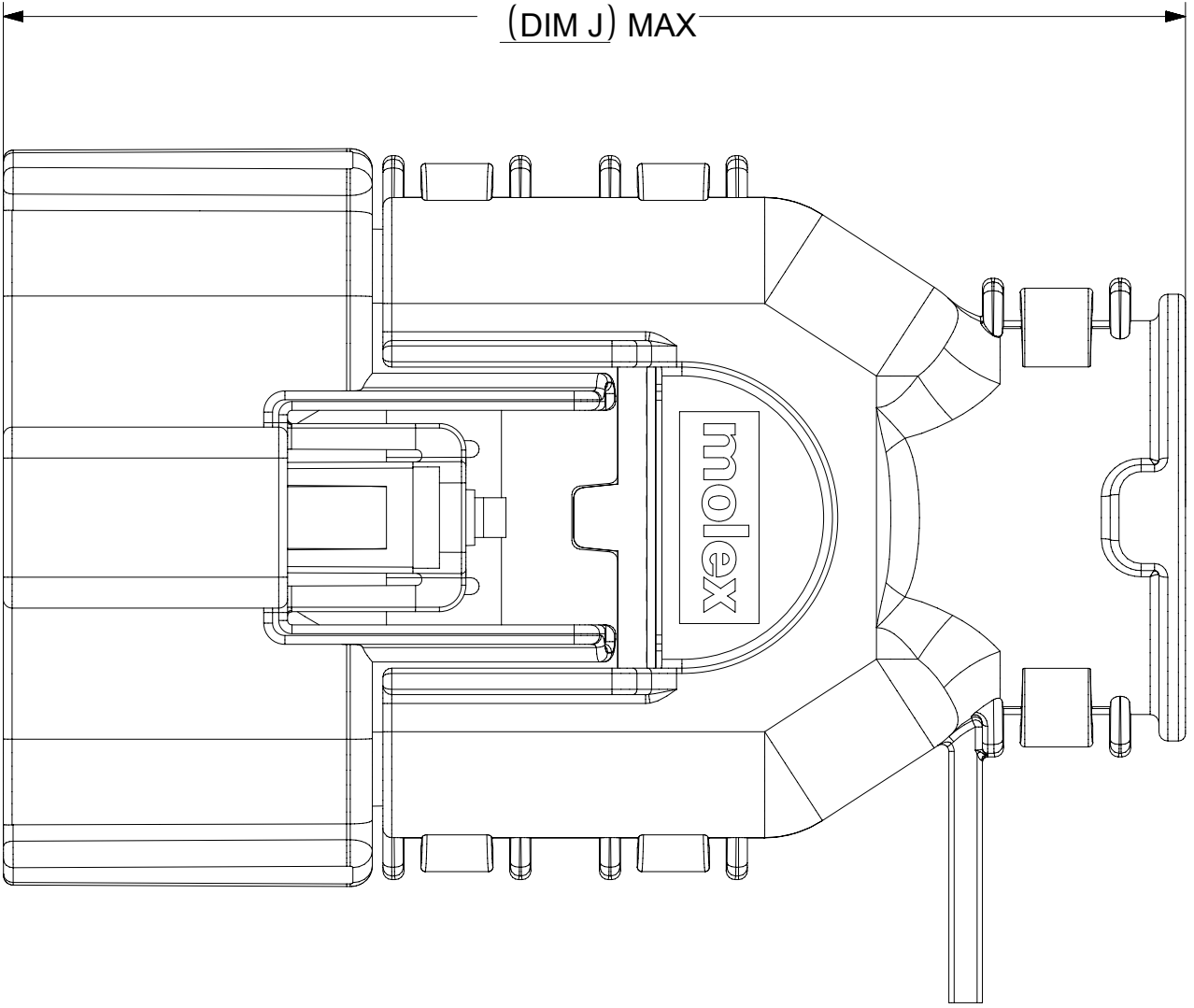
RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex MX150 GEN 2 RECEPTACLE DUAL ROW SEALED ASSEMBLY MAT SEAL								
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 173183 DRWN: DDEB2018/02/23 CHK'D: MVANSLAMBROU2018/03/07 APPR: MVANSLAMBROU2018/03/07 INITIAL REVISION: DRWN: KBORUSZEWSKI2014/02/19 APPR: VKOSHY2014/03/05								PRODUCT CUSTOMER DRAWING				
	ANGULAR TOL ± 3.0 °																
	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		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION
				A1-SIZE		160008				SD-160008-0001		PSD		001		A6	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
												GENERAL MARKET				9 OF 11	

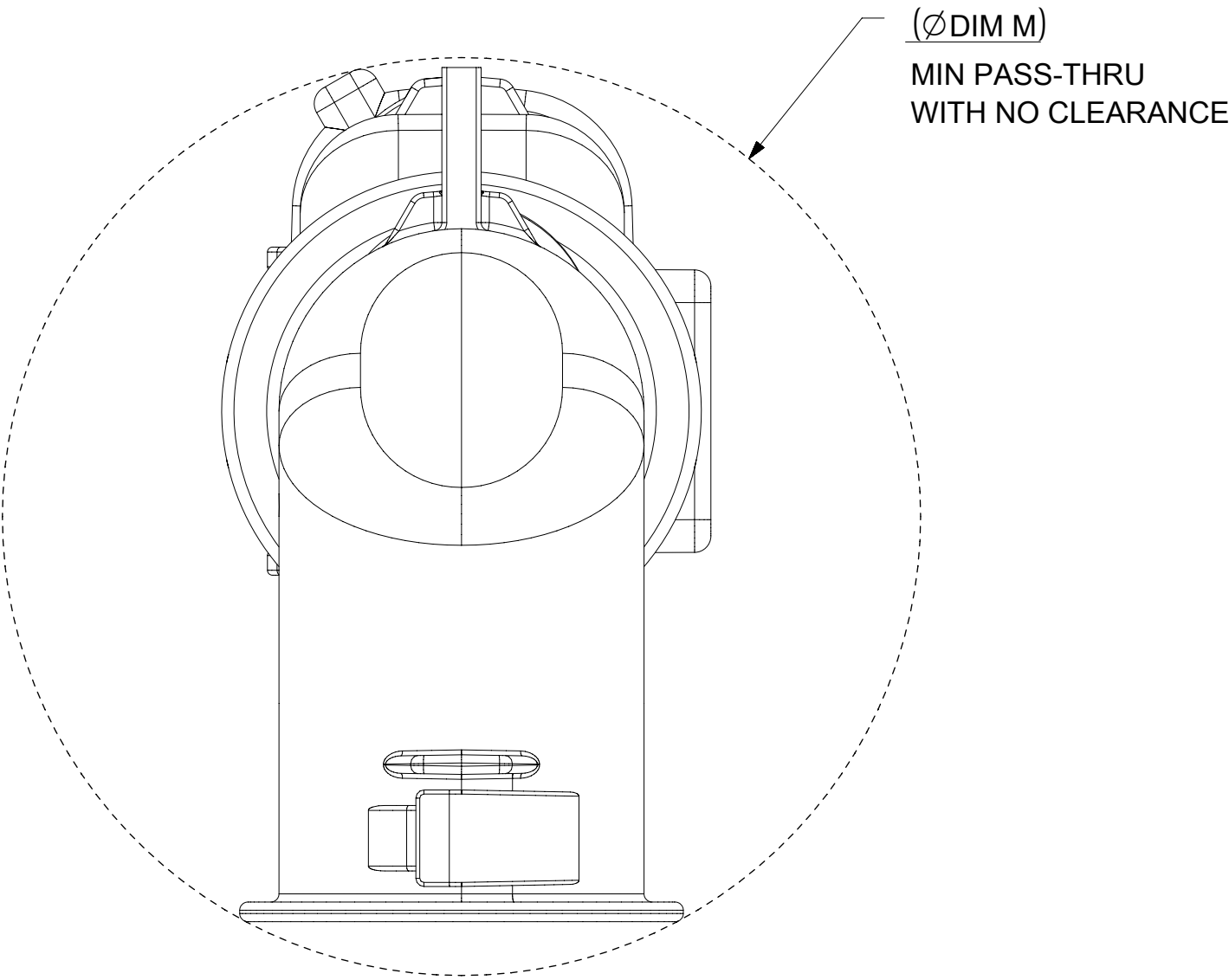
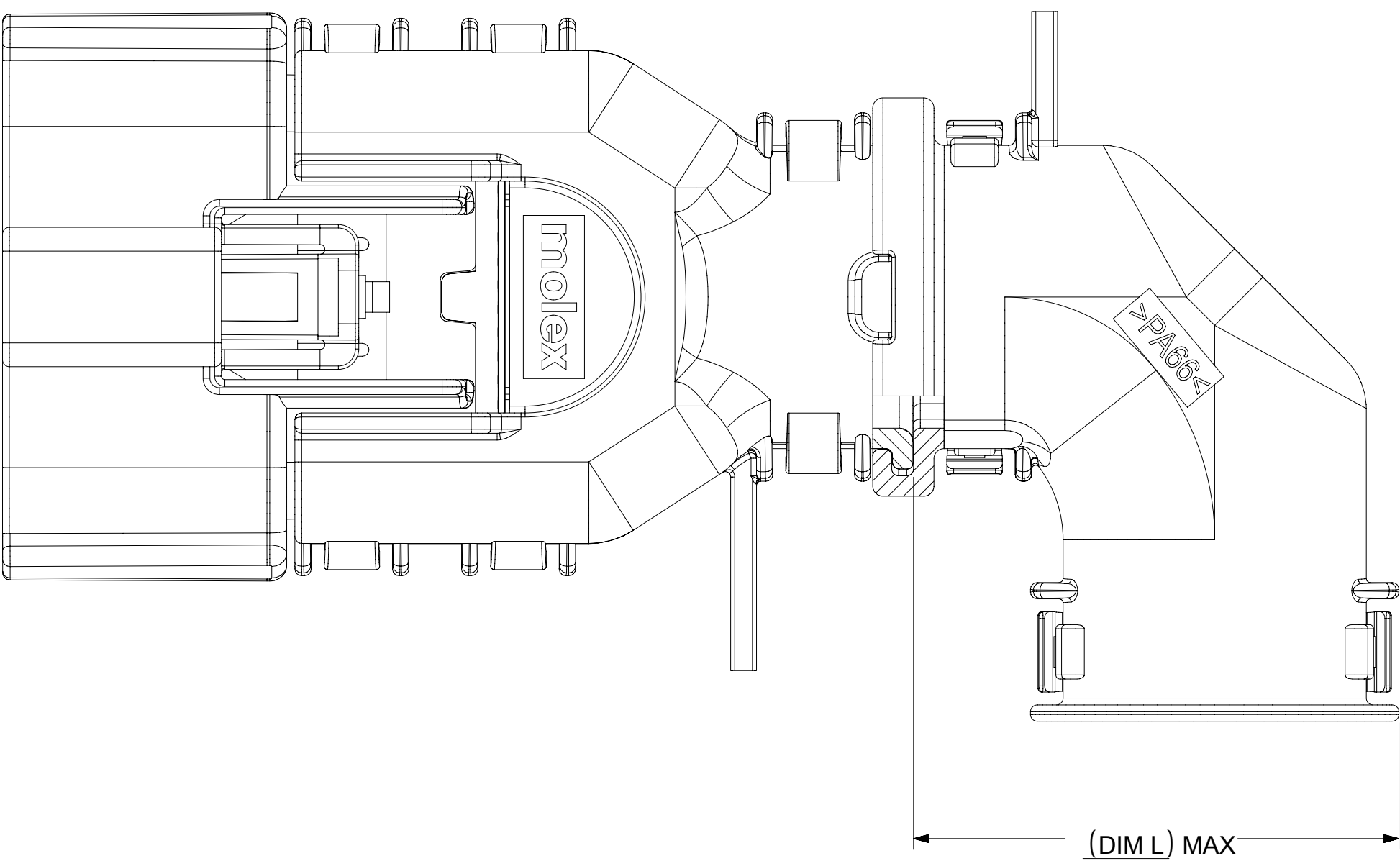
DOCUMENT STATUS	P1	RELEASE DATE	2018/03/07	14:06:48
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SHEET DESCRIPTION	
MOLEX BACKSHELL CONFIGURATIONS	

CHARTED DIMENSIONS				
DESCRIPTION	DIMENSIONS			
	J	K	L	M
2X2 W/O CLIPSLOT	TBD	TBD	TBD	TBD
2X2 W/ CLIP SLOT	TBD	TBD	TBD	TBD
2X2 LENGTHENED	TBD	TBD	TBD	TBD
2X4 W/ CLIPSLOT	58.44	32.85	32.10	44.26
2X4 W/O CLIPSLOT	N/A	N/A	N/A	N/A
2X8 W/ CLIPSLOT	N/A	N/A	N/A	N/A
2X8 W/O CLIPSLOT	N/A	N/A	N/A	N/A
2X10 W/ CLIPSLOT	67.24	42.65	36.10	56.49
2X10 W/O CLIPSLOT	N/A	N/A	N/A	N/A



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL



ADD THE VALUE OF 'L' TO THE TOTAL DIMENSION
FOR WHENEVER ADAPTOR IS USED

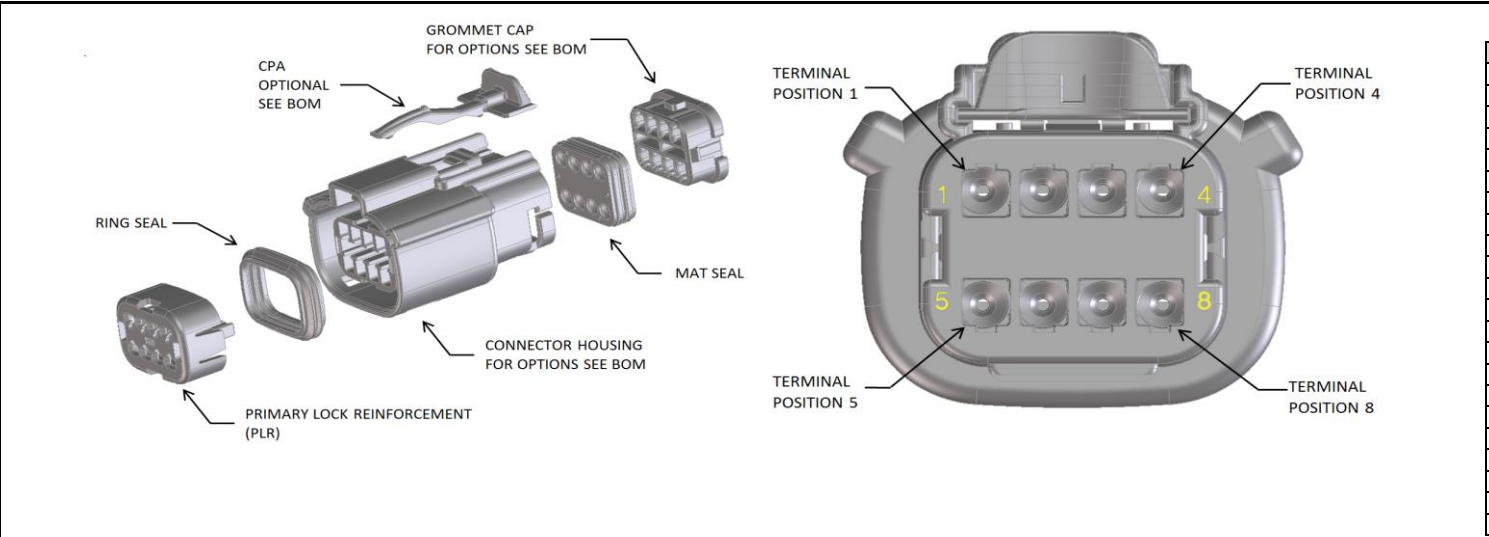
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		DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex			
		mm		1:1											
		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 173183 DRWN: DDEB 2018/02/23 CHK'D: MVANSLAMBROU 2018/03/07 APPR: MVANSLAMBROU 2018/03/07 INITIAL REVISION: DRWN: KBORUSZEWSKI 2014/02/19 APPR: VKOSHY 2014/03/05									
		ANGULAR TOL ± 3.0 °													
		4 PLACES ±										PRODUCT CUSTOMER DRAWING			
		3 PLACES ±													
		2 PLACES ± 0.1										DOCUMENT NUMBER		DOC TYPE	
		1 PLACE ± 0.2				SD-160008-0001		PSD		001		A6			
		0 PLACES ±				MATERIAL NUMBER		CUSTOMER				SHEET NUMBER			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		GENERAL MARKET		10 OF 11	
								A1-SIZE		160008					

DOCUMENT STATUS	P1	RELEASE DATE	2018/03/07 14:06:48
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SHEET DESCRIPTION
2X10 CONNECTOR INTERFACE DEFINITION

SEE THE FINAL SHEET ON SD-33472-0001
FOR 2X10 CONNECTOR INTERFACE DEFINITION

MX150 GEN 2 RECEPTACLE 2X4 SEALED ASSEMBLY MAT SEAL



FOR ADDITIONAL INFORMATION SEE E-160008-0001
SD-160008-0001

ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLK	HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
A-YW	HOUSING KEYING OPTION A	YELLOW	SPS/NYLON GF20
B-LG	HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
C-DG	HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
C-BR	HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
D-SG	HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
D-BLK	HOUSING KEYING OPTION D	BLACK	SPS/NYLON GF20
D-GR	HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
A-BLK-CLIP	HOUSING KEYING OPTION A WITH CLIPSLOT	BLACK	SPS/NYLON GF20
B-LG-CLIP	HOUSING KEYING OPTION B WITH CLIPSLOT	LIGHT GRAY	SPS/NYLON GF20
C-DG-CLIP	HOUSING KEYING OPTION C WITH CLIPSLOT	DARK GRAY	SPS/NYLON GF20
C-BR-CLIP	HOUSING KEYING OPTION C WITH CLIPSLOT	BROWN	SPS/NYLON GF20
D-SG-CLIP	HOUSING KEYING OPTION D WITH CLIPSLOT	STONE GRAY	SPS/NYLON GF20
D-GR-CLIP	HOUSING KEYING OPTION D WITH CLIPSLOT	GREEN	SPS/NYLON GF20
D-BLK-CLIP	HOUSING KEYING OPTION D WITH CLIPSLOT	BLACK	SPS/NYLON GF20
GCP	GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
GCO	GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
PLR	PLR	NATURAL	SPS/NYLON GF20
CPA	CPA	RED	PBT GF20
M	MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
RR	RING SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTACHMENTS SOLD SEPERATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION										BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	90° ADAPTOR WITH RIBS	90° ADAPTOR WITHOUT RIBS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8						
KEY A, BLACK, W/O CPA	160008-4001	A-BLK	GCO	PLR		M	R									PLANNED OBSOLESCENCE	SEE 160127-4801	N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160008-4002	B-LG	GCO	PLR		M	R									PLANNED OBSOLESCENCE	SEE 160127-4802	N/A	N/A	N/A	N/A
KEY C, DARK GRAY, W/O CPA	160008-4003	C-DG	GCO	PLR		M	R									PLANNED OBSOLESCENCE	SEE 160127-4803	N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/O CPA	160008-4004	D-SG	GCO	PLR		M	R									PLANNED OBSOLESCENCE	SEE 160127-4804	N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4801	A-BLK	GCO	PLR		M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4802	B-LG	GCO	PLR		M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-4803	C-BR	GCO	PLR		M	RR									NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-4804	D-GR	GCO	PLR		M	RR									NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, BLACK, W/O CPA	160127-4805	D-BLK	GCO	PLR		M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4806	A-BLK	GCO	PLR	CPA	M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-4807	B-LG	GCO	PLR	CPA	M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/CPA	160127-4808	C-BR	GCO	PLR	CPA	M	RR									NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/CPA	160127-4809	D-GR	GCO	PLR	CPA	M	RR									NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4810																				
KEY A, BLACK, W/O CPA	160127-4811	A-BLK	GCP	PLR		M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4812	B-LG	GCP	PLR		M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-4813	C-BR	GCP	PLR		M	RR				4					NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-4814	D-GR	GCP	PLR		M	RR				4					NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4815																				
KEY A, BLACK, W/CPA	160127-4816	A-BLK	GCP	PLR	CPA	M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-4817	B-LG	GCP	PLR	CPA	M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/CPA	160127-4818	C-BR	GCP	PLR	CPA	M	RR				4					NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/CPA	160127-4819	D-GR	GCP	PLR	CPA	M	RR				4					NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4820																				
KEY A, BLACK, W/O CPA	160127-4821	A-BLK	GCP	PLR		M	RR				4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4822	B-LG	GCP	PLR		M	RR				4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-4823	C-BR	GCP	PLR		M	RR				4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-4824	D-GR	GCP	PLR		M	RR				4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4825																				
KEY A, BLACK, W/CPA	160127-4826	A-BLK	GCP	PLR	CPA	M	RR				4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-4827	B-LG	GCP	PLR	CPA	M	RR				4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/CPA	160127-4828	C-BR	GCP	PLR	CPA	M	RR				4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/CPA	160127-4829	D-GR	GCP	PLR	CPA	M	RR				4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4830																				
KEY A, BLACK, W/O CPA	160127-4831	A-BLK	GCP	PLR		M	RR	1			4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4832	B-LG	GCP	PLR		M	RR	1			4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-4833	C-BR	GCP	PLR		M	RR	1			4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-4834	D-GR	GCP	PLR		M	RR	1			4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4835																				
KEY A, BLACK, W/CPA	160127-4836	A-BLK	GCP	PLR	CPA	M	RR	1			4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-4837	B-LG	GCP	PLR	CPA	M	RR	1			4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/CPA	160127-4838	C-BR	GCP	PLR	CPA	M	RR	1			4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/CPA	160127-4839	D-GR	GCP	PLR	CPA	M	RR	1			4	5				NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4840																				
KEY A, BLACK, W/O CPA	160127-4841	A-BLK	GCP	PLR		M	RR	1			4	5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4842	B-LG	GCP	PLR		M	RR	1			4	5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-4843	C-BR	GCP	PLR		M	RR	1			4	5			8	NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-4844	D-GR	GCP	PLR		M	RR	1			4	5			8	NOT AVAILABLE		N/A	N/A	N/A	N/A



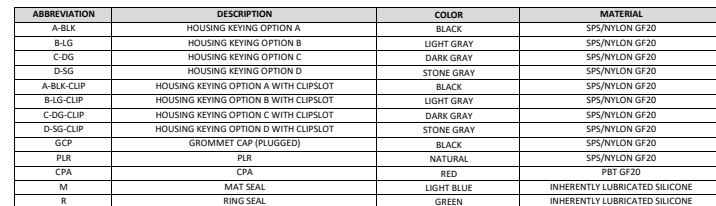
MX150 GEN 2 RECEPTACLE 2X4 SEALED ASSEMBLY MAT SEAL
BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTACHMENTS SOLD SEPERATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION										BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	90° ADAPTOR WITH RIBS	90° ADAPTOR WITHOUT RIBS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8						
NOT AVAILABLE	160127-4845																				
KEY A, BLACK, W/CPA	160127-4846	A-BLK	GCP	PLR	CPA	M	RR	1			4	5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-4847	B-LG	GCP	PLR	CPA	M	RR	1			4	5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/CPA	160127-4848	C-BR	GCP	PLR	CPA	M	RR	1			4	5			8	NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/CPA	160127-4849	D-GR	GCP	PLR	CPA	M	RR	1			4	5			8	NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT AVAILABLE	160127-4850																				
KEY A, BLACK, W/O CPA	160127-4851	A-BLK	GCP	PLR		M	RR	1	2	3	4	5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4852	B-LG	GCP	PLR		M	RR	1	2	3	4	5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-4853	C-BR	GCP	PLR		M	RR	1	2	3	4	5	6	7	8	NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-4854	D-GR	GCP	PLR		M	RR	1	2	3	4	5	6	7	8	NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY D, BLACK, W/O CPA	160127-4855	D-BLK	GCP	PLR		M	RR	1	2	3	4	5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4856	A-BLK	GCP	PLR	CPA	M	RR		2				6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4857	A-BLK	GCP	PLR	CPA	M	RR	1	2			5	6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4858	A-BLK	GCP	PLR	CPA	M	RR	1	2	3		5	6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4859	A-BLK	GCP	PLR		M	RR	1	2	3			6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY D, BLACK, W/O CPA	160127-4860	D-BLK	GCP	PLR		M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4861	A-BLK	GCP	PLR		M	RR								8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4862	A-BLK	GCP	PLR		M	RR	1								SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4863	A-BLK	GCP	PLR		M	RR		2	3		5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4864	A-BLK	GCP	PLR		M	RR	1		3		5				SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4865	A-BLK	GCP	PLR		M	RR	1					6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4866	A-BLK	GCP	PLR		M	RR		2	3		5	6		8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4867	A-BLK	GCP	PLR		M	RR	1		3		5	6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4868	A-BLK	GCP	PLR		M	RR					5	6		8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4869	A-BLK	GCP	PLR		M	RR						6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4870	A-BLK	GCP	PLR		M	RR	1		3		5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4871	A-BLK	GCP	PLR		M	RR		2	3	4	5	6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4872	A-BLK	GCP	PLR		M	RR							7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4873	A-BLK	GCP	PLR		M	RR		2	3			6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4874	A-BLK	GCP	PLR		M	RR		2	3						SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4875	A-BLK	GCP	PLR		M	RR	1			4					SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4876	A-BLK	GCP	PLR		M	RR		2	3		5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4877	A-BLK	GCP	PLR	CPA	M	RR						6			8	SALEABLE		N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4878	A-BLK	GCP	PLR		M	RR			3		5	6			SALEABLE		N/A	N/A	N/A	N/A
KEY C, DARK GRAY, W/O CPA	160127-4879	C-DG	GCO	PLR		M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/O CPA	160127-4880	D-SG	GCO	PLR		M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY C, DARK GRAY, W/CPA	160127-4881	C-DG	GCO	PLR	CPA	M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/CPA	160127-4882	D-SG	GCO	PLR	CPA	M	RR									SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4883	A-BLK	GCP	PLR		M	RR		2	3	4	5		7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4884	A-BLK	GCP	PLR		M	RR			3			6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4885	A-BLK	GCP	PLR		M	RR		2	3	4	5	6		8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4886	A-BLK	GCP	PLR		M	RR			3			6		8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-4887	B-LG	GCP	PLR	CPA	M	RR								8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-4888	B-LG	GCP	PLR		M	RR	1					6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4889	A-BLK	GCP	PLR		M	RR	1				5				SALEABLE		N/A	N/A	N/A	N/A
KEY A, YELLOW, W/CPA	160127-4890	A-YW	GCP	PLR	CPA	M	RR		2	3						NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY A, YELLOW, W/CPA	160127-4891	A-YW	GCO	PLR	CPA	M	RR									NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY A, YELLOW, W/O CPA	160127-4892	A-YW	GCO	PLR		M	RR									NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4893	A-BLK	GCP	PLR	CPA	M	RR						6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-4894	A-BLK	GCP	PLR	CPA	M	RR	1	2	3			6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-4895	A-BLK	GCP	PLR		M	RR	1	2							SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5001	A-BLK	GCP	PLR		M	RR	1	2	3	4					SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5002	B-LG	GCP	PLR		M	RR						6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5003	A-BLK	GCP	PLR		M	RR	1			4					SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5004	A-BLK	GCP	PLR		M	RR		2	3		5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-5005	A-BLK	GCP	PLR	CPA	M	RR								8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5006	A-BLK	GCP	PLR		M	RR	1	2	3	4	5	6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-5007	A-BLK	GCP	PLR	CPA	M	RR						6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-5008	A-BLK	GCP	PLR	CPA	M	RR							7		SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/CPA	160127-5009	D-SG	GCP	PLR	CPA	M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/CPA	160127-5010	D-SG	GCP	PLR	CPA	M	RR				4	5				SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/CPA	160127-5011	D-SG	GCP	PLR	CPA	M	RR				4	5	6								



MX150 GEN 2 RECEPTACLE 2X4 SEALED ASSEMBLY MAT SEAL
BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS								STATUS	COMMENTS	OPTIONAL ATTACHMENTS SOLD SEPERATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION										BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	90° ADAPTOR WITH RIBS	90° ADAPTOR WITHOUT RIBS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8						
KEY A, BLACK, W/CPA	160127-5021	A-BLK	GCP	PLR	CPA	M	RR	1	2	3	4	5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-5022	A-BLK	GCP	PLR	CPA	M	RR	1				5				SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5023	A-BLK	GCP	PLR		M	RR					5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5024	A-BLK	GCP	PLR		M	RR			3	4					SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/O CPA	160127-5025	D-SG	GCP	PLR		M	RR				4	5	6			SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/O CPA	160127-5026	D-SG	GCP	PLR		M	RR				4					SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5027	B-LG	GCP	PLR		M	RR							7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5028	A-BLK	GCP	PLR		M	RR	1	2	3	4			7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5029	A-BLK	GCP	PLR		M	RR			3	4				8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5030	A-BLK	GCP	PLR		M	RR	1	2	3	4	5		7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5031	A-BLK	GCP	PLR		M	RR					5				SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5032	A-BLK	GCP	PLR		M	RR		2			5				SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5033	B-LG	GCP	PLR		M	RR	1		3					8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5034	B-LG	GCP	PLR		M	RR			3					8	SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5035	B-LG	GCP	PLR		M	RR	1								SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5036	A-BLK	GCP	PLR		M	RR	1							8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5037	A-BLK	GCP	PLR		M	RR						6		8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5038	A-BLK	GCP	PLR		M	RR	1			4	5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5039	A-BLK	GCP	PLR		M	RR		2					7		SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5040	B-LG	GCP	PLR		M	RR					5		7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5041	A-BLK	GCP	PLR		M	RR				4	5	6	7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5042	A-BLK	GCP	PLR		M	RR					5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5043	A-BLK	GCP	PLR		M	RR		2		4	5	6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5044	A-BLK	GCP	PLR		M	RR	1	2	3	4		6	7		SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5045	A-BLK	GCP	PLR		M	RR				4		6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-5046	A-BLK	GCP	PLR	CPA	M	RR	1						7		SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-5047	B-LG	GCP	PLR		M	RR					5				SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5048	A-BLK	GCP	PLR		M	RR	1	2			5	6		8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5049	A-BLK	GCP	PLR		M	RR	1	2						8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5050	A-BLK	GCP	PLR		M	RR				4	5	6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5051	A-BLK	GCP	PLR		M	RR	1	2	3			6			SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5052	A-BLK	GCP	PLR		M	RR				4	5		7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5053	A-BLK	GCP	PLR		M	RR				3	4		7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5054	A-BLK	GCP	PLR		M	RR	1		3	4			7	8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5055	A-BLK	GCP	PLR		M	RR				4				8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-5056	A-BLK	GCP	PLR		M	RR				4	5			8	SALEABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, WITH CLIPSLOT, W/O CPA	160127-4901	A-BLK-CLIP	GCO	PLR		M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY B, LIGHT GRAY, WITH CLIPSLOT, W/O CPA	160127-4902	B-LG-CLIP	GCO	PLR		M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY C, BROWN, WITH CLIPSLOT, W/O CPA	160127-4903	C-BR-CLIP	GCO	PLR		M	RR									NOT AVAILABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY D, GREEN, WITH CLIPSLOT, W/O CPA	160127-4904	D-GR-CLIP	GCO	PLR		M	RR									NOT AVAILABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY D, BLACK, WITH CLIPSLOT, W/O CPA	160127-4905	D-BLK-CLIP	GCO	PLR		M	RR									NOT AVAILABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY A, BLACK, WITH CLIPSLOT, W/CPA	160127-4906	A-BLK-CLIP	GCO	PLR	CPA	M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY B, LIGHT GRAY, WITH CLIPSLOT, W/CPA	160127-4907	B-LG-CLIP	GCO	PLR	CPA	M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY C, BROWN, WITH CLIPSLOT, W/CPA	160127-4908	C-BR-CLIP	GCO	PLR	CPA	M	RR									NOT AVAILABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY D, GREEN, WITH CLIPSLOT, W/CPA	160127-4909	D-GR-CLIP	GCO	PLR	CPA	M	RR									NOT AVAILABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY A, BLACK, WITH CLIPSLOT, W/O CPA	160127-4910	A-BLK-CLIP	GCP	PLR		M	RR				4					SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY A, BLACK, WITH CLIPSLOT, W/O CPA	160127-4920	A-BLK-CLIP	GCP	PLR		M	RR				4				8	SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY A, BLACK, WITH CLIPSLOT, W/O CPA	160127-4921	A-BLK-CLIP	GCP	PLR		M	RR								8	SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY C, DARK GRAY, WITH CLIPSLOT, W/O CPA	160127-4922	C-DG-CLIP	GCO	PLR		M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY D, STONE GRAY, WITH CLIPSLOT, W/O CPA	160127-4923	D-SG-CLIP	GCO	PLR		M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY C, DARK GRAY, WITH CLIPSLOT, W/CPA	160127-4924	C-DG-CLIP	GCO	PLR	CPA	M	RR									SALEABLE		34951-0811	34951-0821	34951-0831	34951-0841
KEY D, STONE GRAY, WITH CLIPSLOT, W/CPA	160127-4925																				



FOR ADDITIONAL INFORMATION SEE E-160008-0001
SD-160008-0001

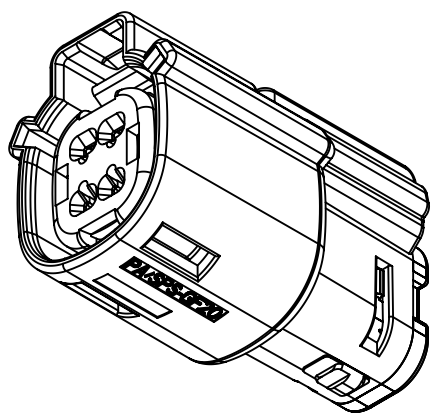
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS												STATUS	COMMENTS	OPTIONAL ATTACHMENTS SOLD SEPARATELY	
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT.						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION														BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8	9	10	11	12				
NOT CURRENTLY AVAILABLE	160008-6005																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6006																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6011																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6012																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6017																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6018																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6023																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6024																			NOT AVAILABLE		34951-1210	34951-1220
NOT CURRENTLY AVAILABLE	160008-6029																			NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6030																			NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6035																			NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6036																			NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6041																			NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6042																			NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6047					PLR														NOT AVAILABLE		N/A	N/A
NOT CURRENTLY AVAILABLE	160008-6048					PLR														NOT AVAILABLE		N/A	N/A
KEY A, BLACK, W/O CPA	160127-6001	A-BLK	GCP	PLR		M	R													DESIGN CONCEPT		34951-1210	34951-1220
KEY B, LIGHT GRAY, W/O CPA	160127-6002	B-LG	GCP	PLR		M	R													DESIGN CONCEPT		34951-1210	34951-1220
KEY C, DARK GRAY, W/O CPA	160127-6003	C-DG	GCP	PLR		M	R													DESIGN CONCEPT		34951-1210	34951-1220
KEY D, STONE GRAY, W/O CPA	160127-6004	D-SG	GCP	PLR		M	R													DESIGN CONCEPT		34951-1210	34951-1220
				</																			



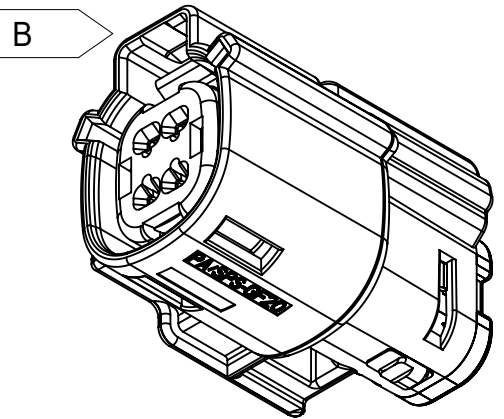
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS																				STATUS	COMMENTS	OPTIONAL ATTACHMENTS SOLD SEPARATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																						BACKSHELL WITH RIS	BACKSHELL WITHOUT RIS	90° ADAPTOR WITH RIS	90° ADAPTOR WITHOUT RIS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
NOT CURRENTLY AVAILABLE	160008-0005																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0006																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0011																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0012																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0017																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0018																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0023																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0024																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0029																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0030																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0035																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0036																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0041																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0042																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0047																											NOT AVAILABLE		N/A	N/A	N/A	N/A
NOT CURRENTLY AVAILABLE	160008-0048																											NOT AVAILABLE		N/A	N/A	N/A	N/A
KEY A, BLACK, W/O CPA	160127-2001	A-BLK	GCO																									SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/O CPA	160127-2002	B-LIG	GCO																									SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/O CPA	160127-2003	C-BR	GCO																									NOT RECOMMENDED	SEE 33472-2060	N/A	N/A	N/A	N/A
KEY D, GREEN, W/O CPA	160127-2004	D-GR	GCO																									NOT RECOMMENDED	SEE 33472-2061	N/A	N/A	N/A	N/A
KEY A, BLACK, W/CPA	160127-2006	A-BLK	GCO	PLR	CPA	M	R																					SALEABLE		N/A	N/A	N/A	N/A
KEY B, LIGHT GRAY, W/CPA	160127-2007	B-LIG	GCO	PLR	CPA	M	R																					SALEABLE		N/A	N/A	N/A	N/A
KEY C, BROWN, W/CPA	160127-2008	C-BR	GCO	PLR	CPA	M	R																					NOT RECOMMENDED	SEE 33472-2062	N/A	N/A	N/A	N/A
KEY D, GREEN, W/CPA	160127-2009	D-GR	GCO	PLR	CPA	M	R																					NOT RECOMMENDED	SEE 33472-2063	N/A	N/A	N/A	N/A
KEY C, DARK GRAY, W/O CPA	160127-2060	C-DK	GCO																									SALEABLE		N/A	N/A	N/A	N/A
KEY D, STONE GRAY, W/O CPA	160127-2061	D-SG	GCO																									SALEABLE		N/A	N/A	N/A	N/A
KEY A, YELLOW, W/CPA	160127-2089	A-YW	GCO	PLR	CPA	M	R																					SALEABLE		N/A	N/A	N/A	N/A
KEY A, YELLOW, W/O CPA	160127-2093	A-YW	GCO																									SALEABLE		N/A	N/A	N/A	N/A

SHEET DESCRIPTION

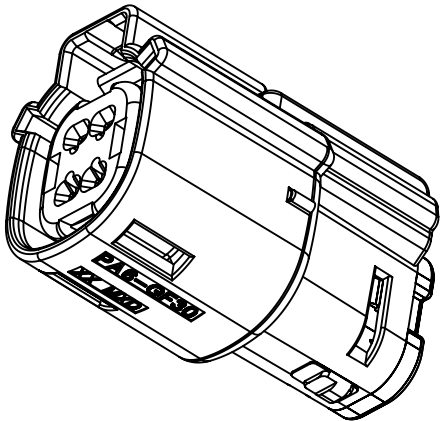
CONFIGURATIONS



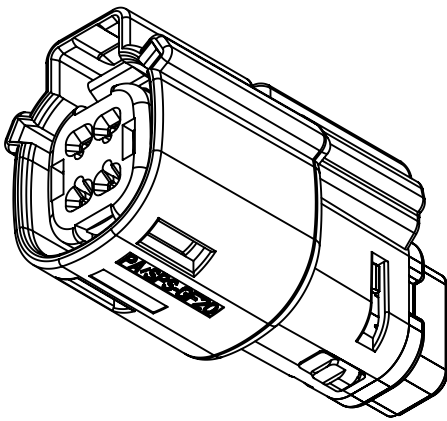
2X2 - STD.
2X2 - TRNS. - SILICONE FREE †



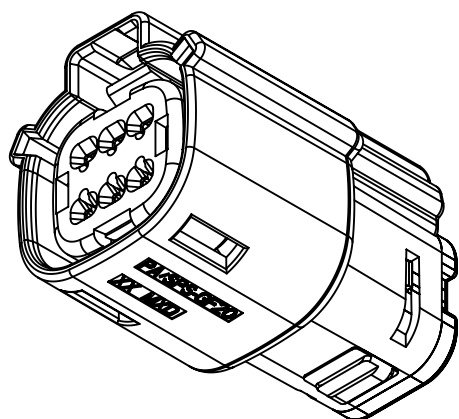
2X2 - STD. - WITH CLIPSLOT *



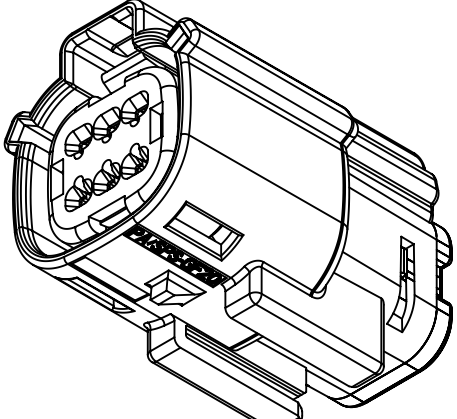
† 2X2 - UL V0



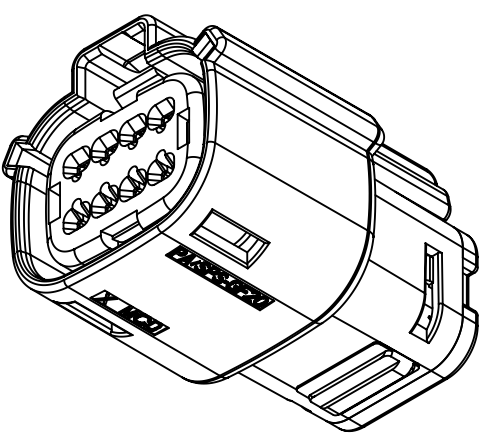
2X2 - STD. - LENGTHENED



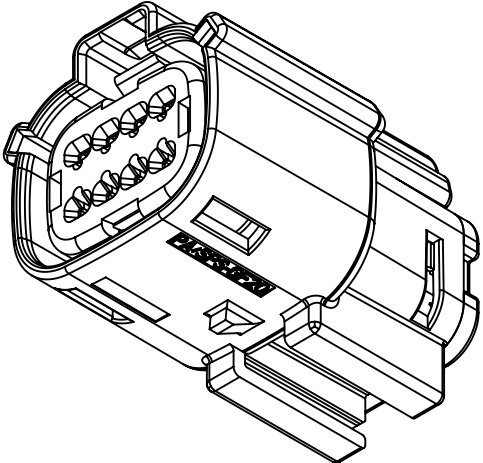
2X3 - STD.
2X3 - TRNS. - CONTAINS SILICONE †



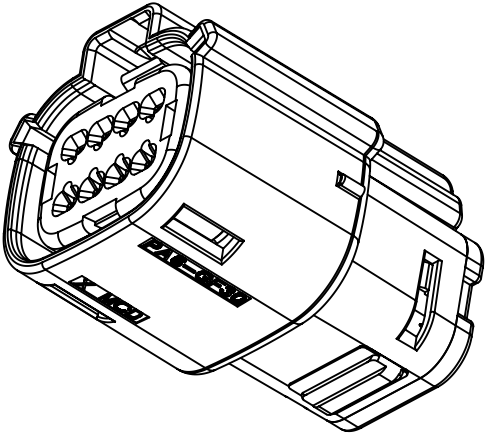
2X3 - STD. - WITH CLIPSLOT *



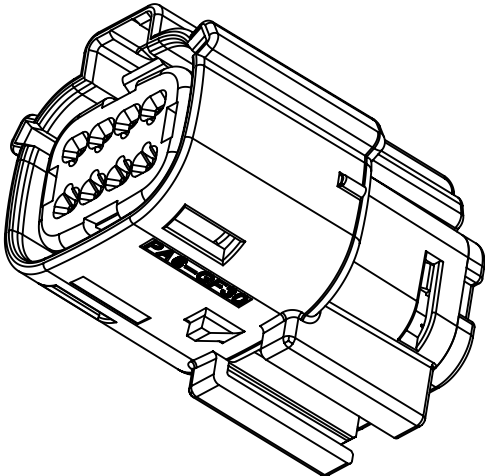
2X4 - STD.



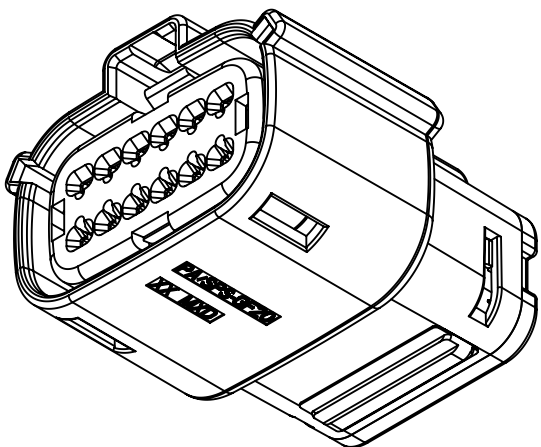
2X4 - STD. - WITH CLIPSLOT *



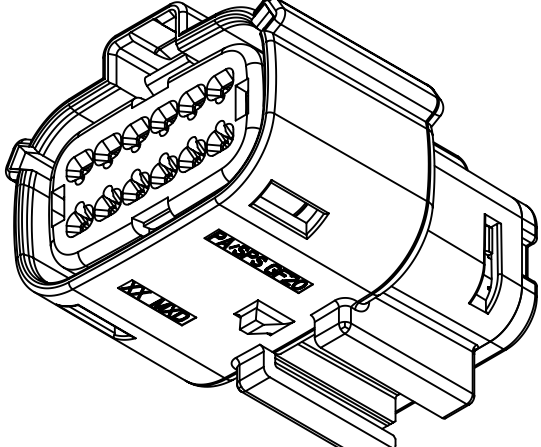
† 2X4 - UL V0



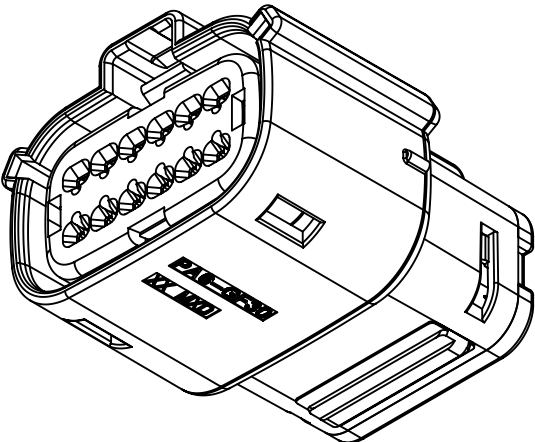
† 2X4 - UL V0-WITH CLIPSLOT*



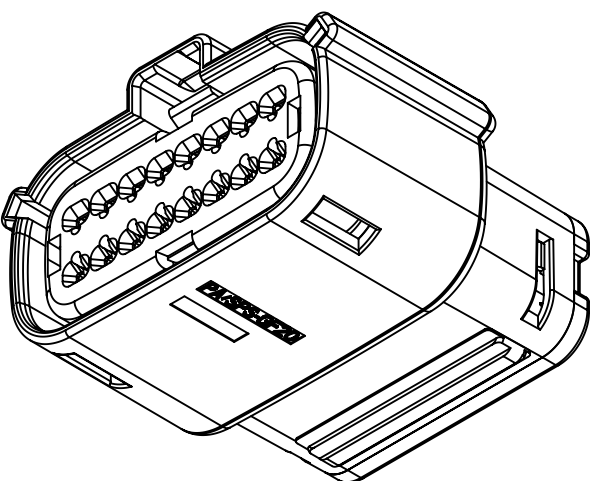
2X6 - STD.
C1 † 2X6 - TRNS.



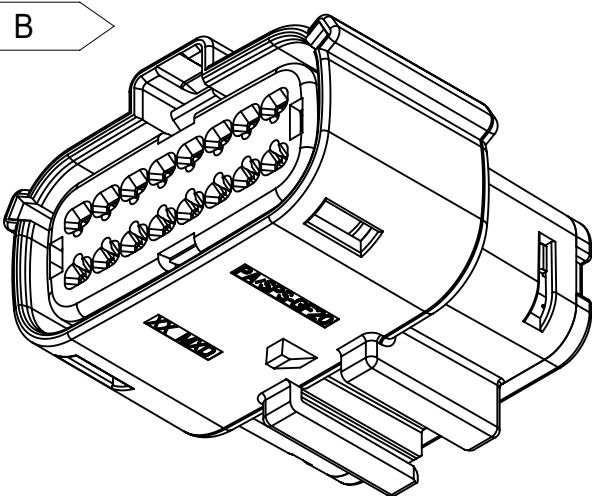
2X6 - STD. - WITH CLIPSLOT *
C1 † 2X6 - TRNS. - WITH CLIPSLOT *



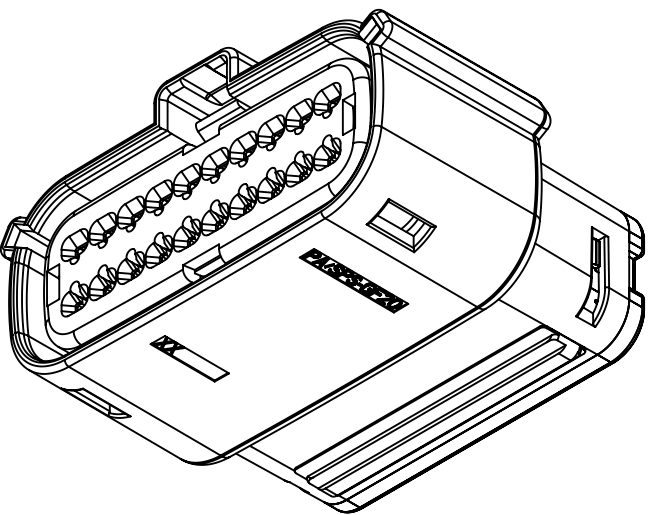
† 2X6 - UL V0



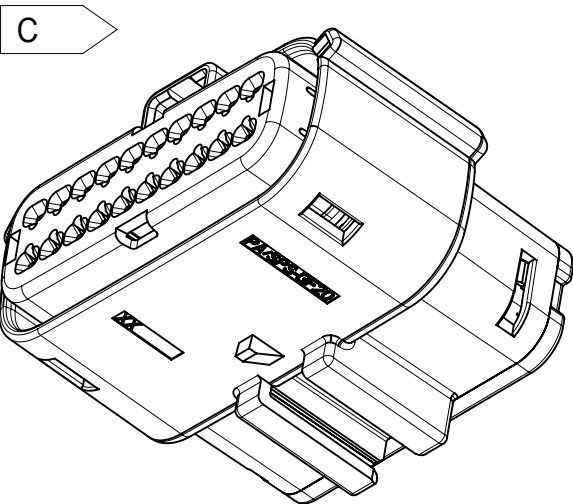
2X8 - STD.



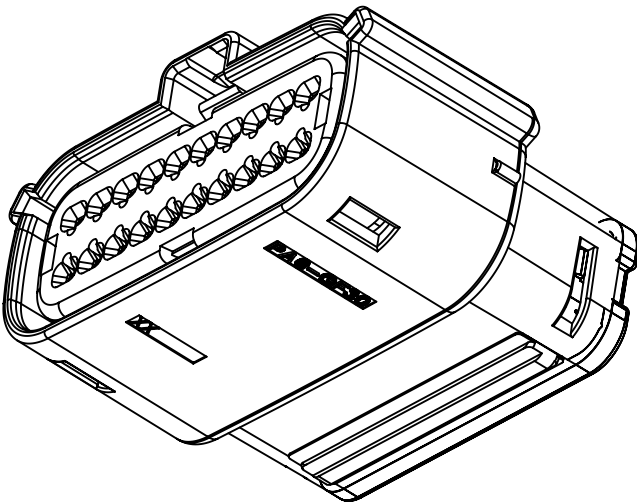
2X8 - STD. - WITH CLIPSLOT *



2X10 - STD.



2X10 - STD. - WITH CLIPSLOT *



† 2X10 - UL V0

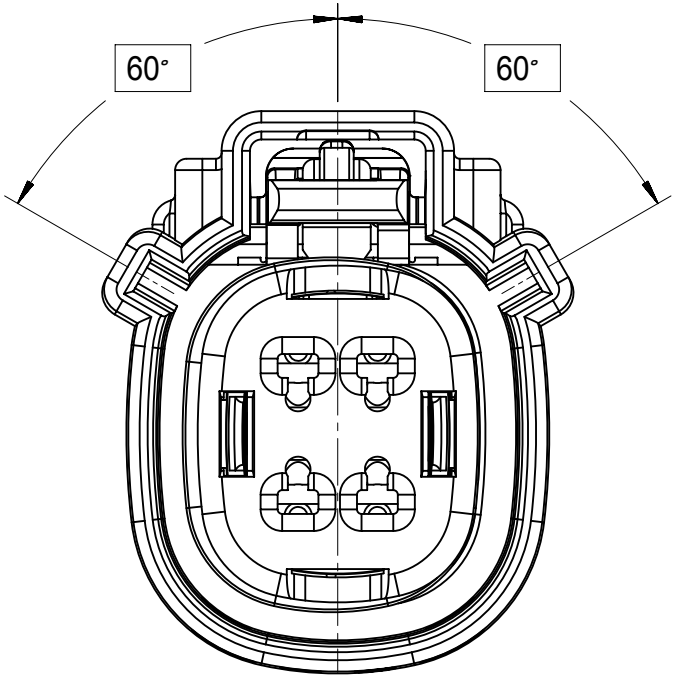
* WITH CLIPSLOT CONFIGURATION DOES NOT
MEET THE USCAR PACKAGING FRAME REQUIREMENTS
† MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION
SEE NOTES 1a & 2a-b FOR MORE INFORMATION

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex		
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27			MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL				
	ANGULAR TOL ± 1.0 °									
	4 PLACES ±					PRODUCT CUSTOMER DRAWING				
	3 PLACES ±									
	2 PLACES ± 0.1					DOCUMENT NUMBER SD-33472-0001			DOC TYPE PSD	DOC PART 001
	1 PLACE ± 0.2									
	0 PLACES ±		MATERIAL NUMBER A1-SIZE			CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 11		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
		THIRD ANGLE PROJECTION		DRAWING A1-SIZE		SERIES 33472				

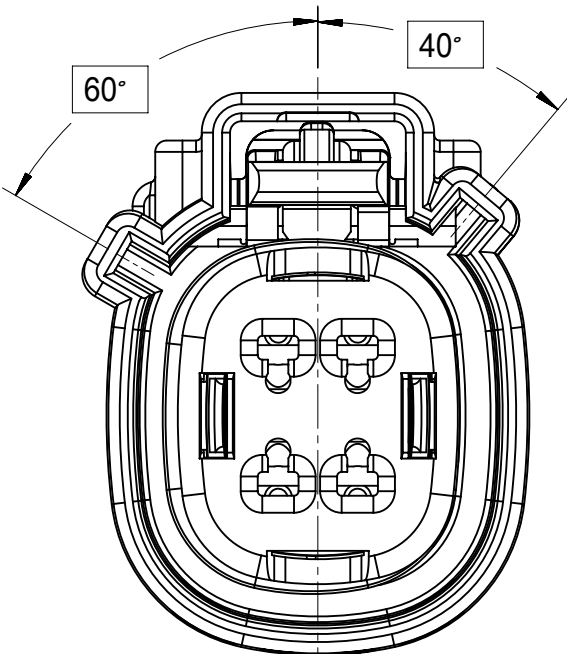
SHEET DESCRIPTION

KEY CONFIGURATIONS

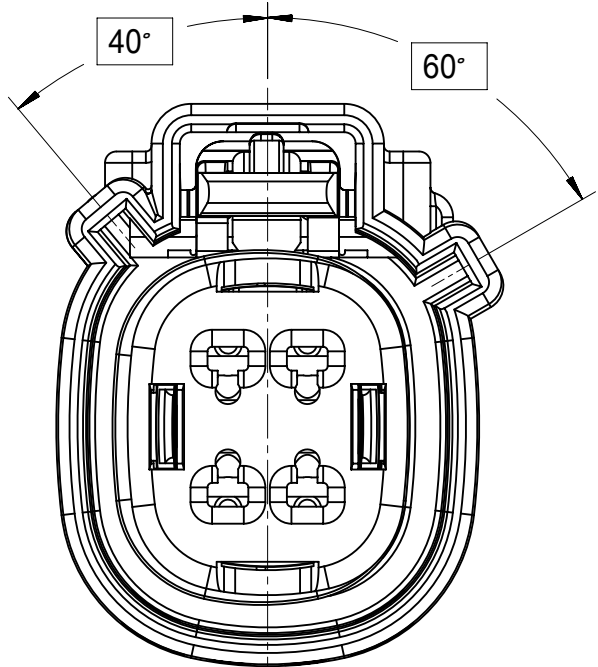
2X2



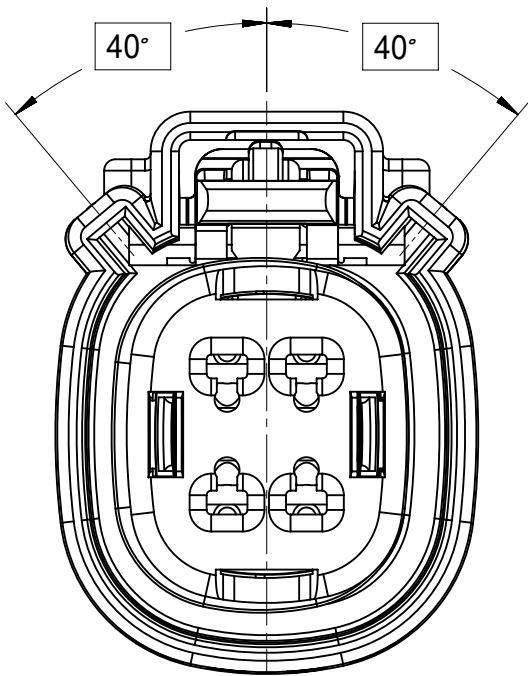
KEY A



KEY B

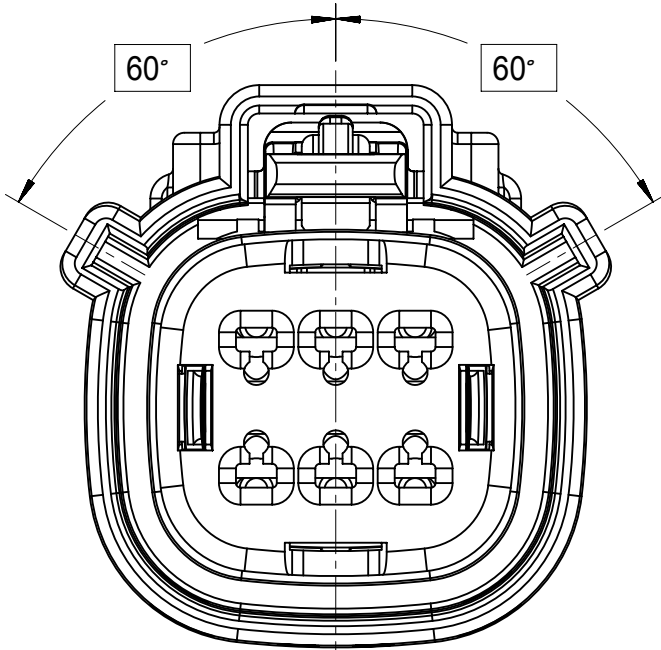


KEY C

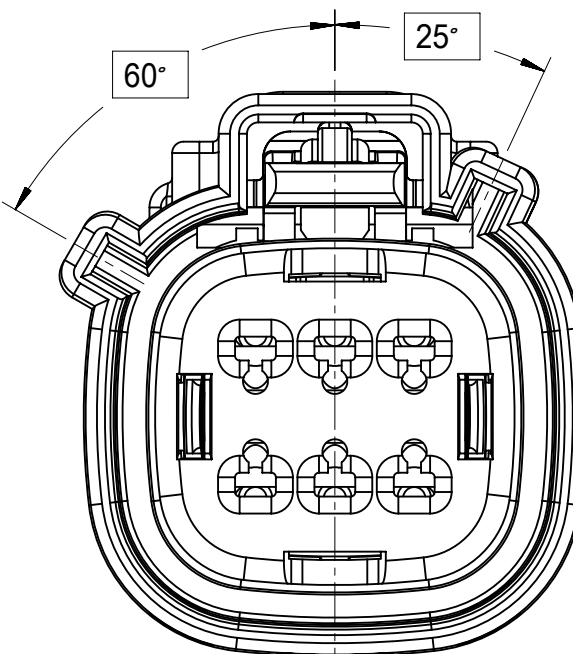


KEY D

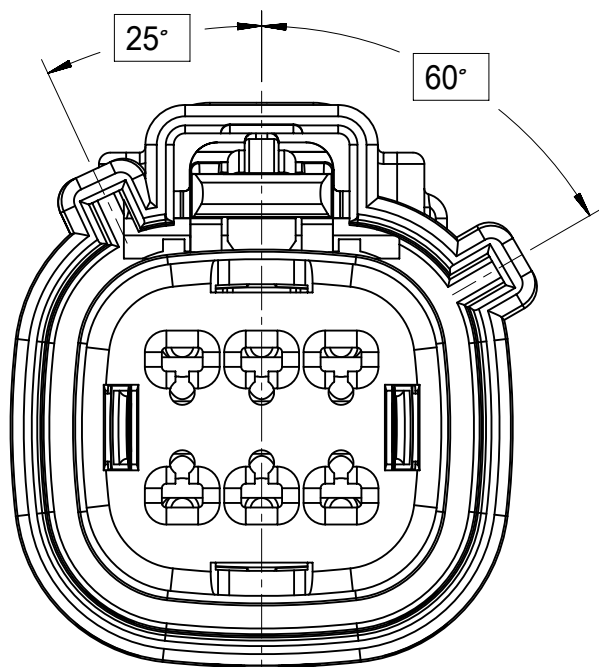
2X3



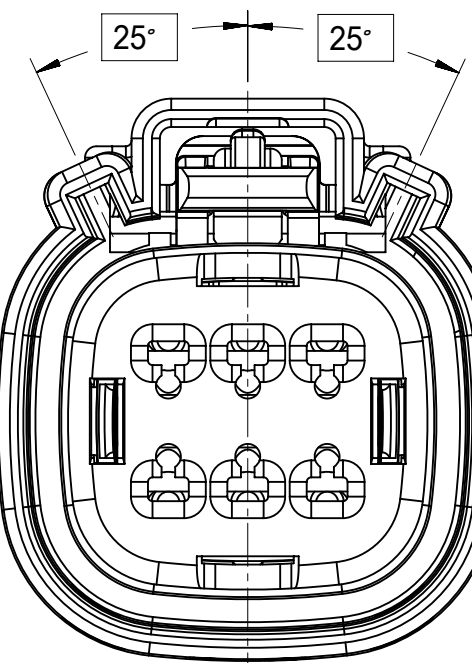
KEY A



KEY B

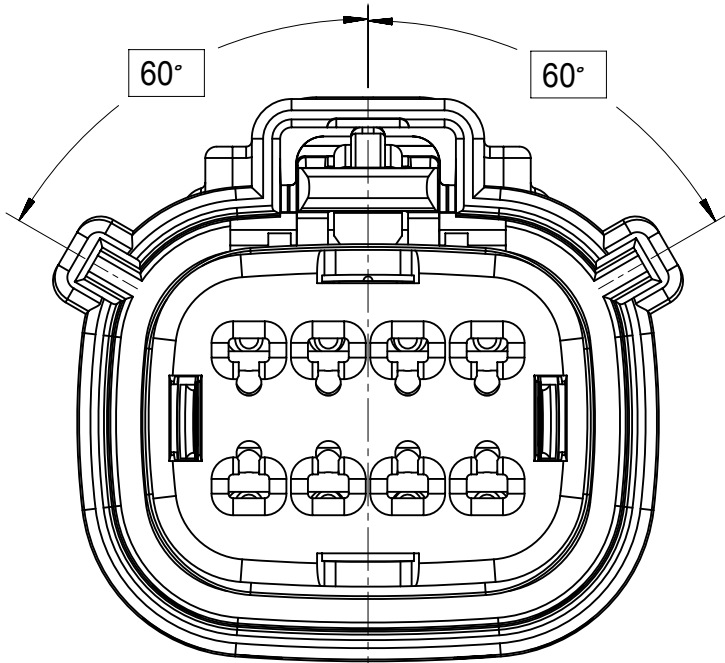


KEY C

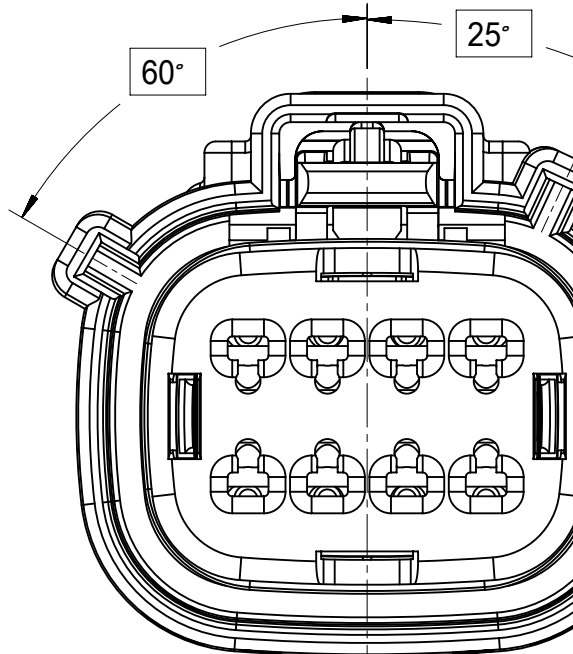


KEY D

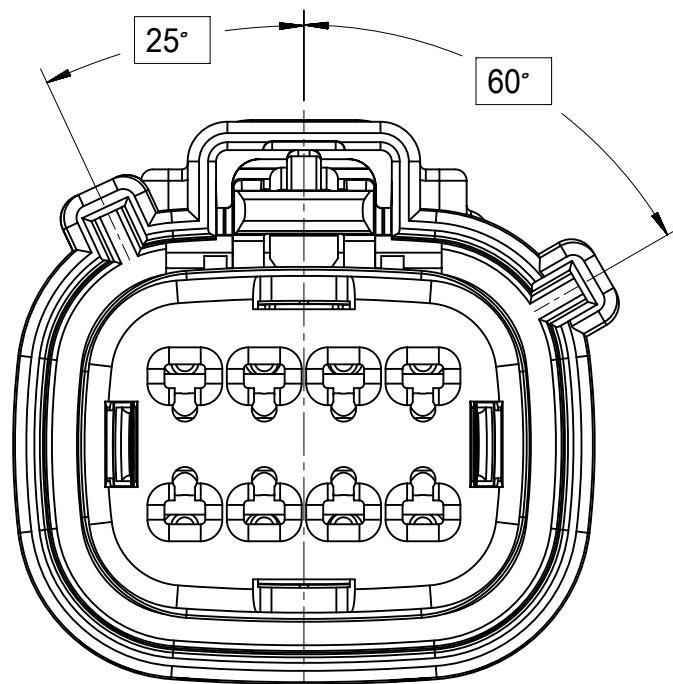
2X4



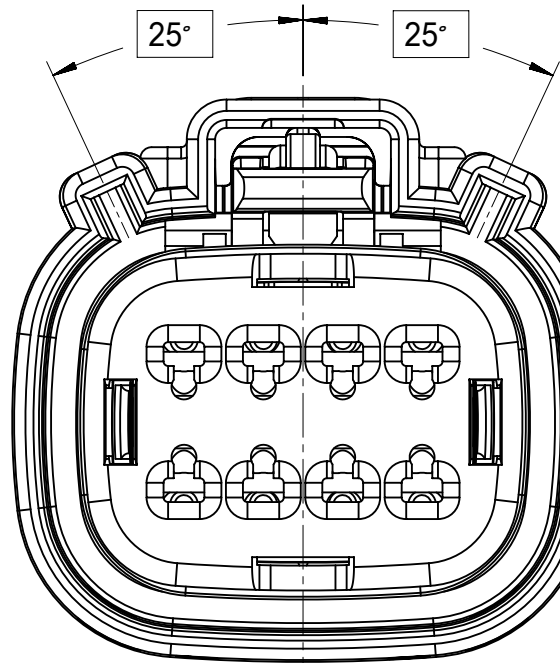
KEY A



KEY B



KEY C

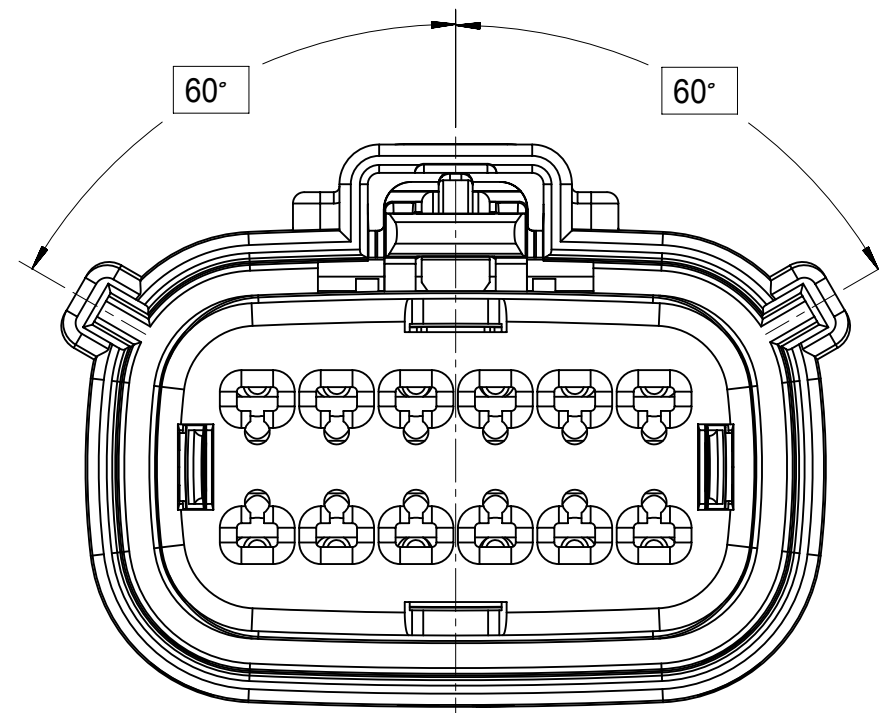


KEY D

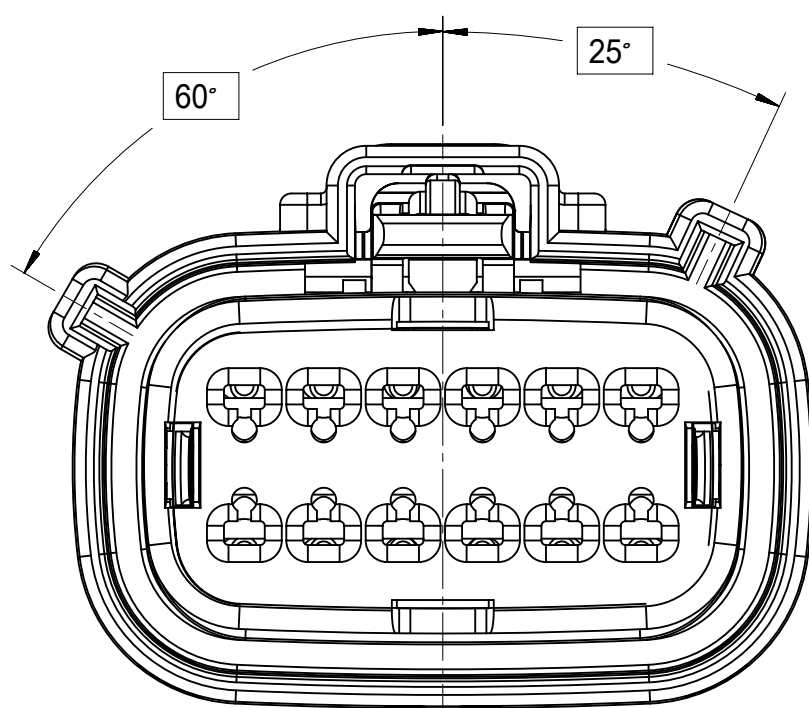
SYMBOLS										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
DIMENSION UNITS		SCALE		CURRENT REV DESC:										molex MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL																	
mm		1:1		EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27																											
GENERAL TOLERANCES (UNLESS SPECIFIED)																															
ANGULAR TOL ± 1.0 °				THIRD ANGLE PROJECTION										PRODUCT CUSTOMER DRAWING																	
4 PLACES ±														DOCUMENT NUMBER										DOC TYPE		DOC PART		REVISION			
3 PLACES ±														SD-33472-0001										PSD		001		C2			
2 PLACES ± 0.1														MATERIAL NUMBER										CUSTOMER				SHEET NUMBER			
1 PLACE ± 0.2														A1-SIZE										33472				GENERAL MARKET			
0 PLACES ±				DRAWING										SERIES																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				A1-SIZE										33472																	
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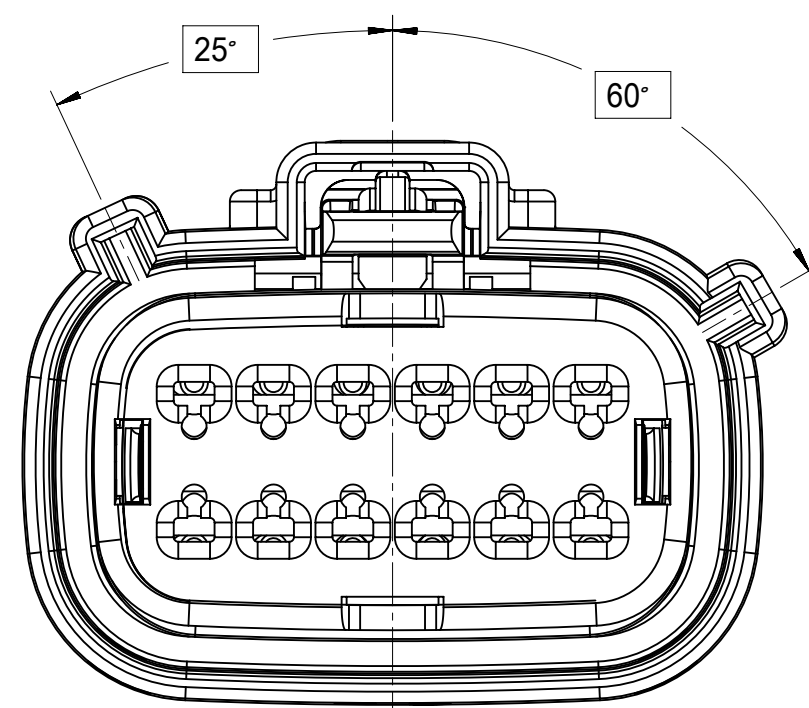
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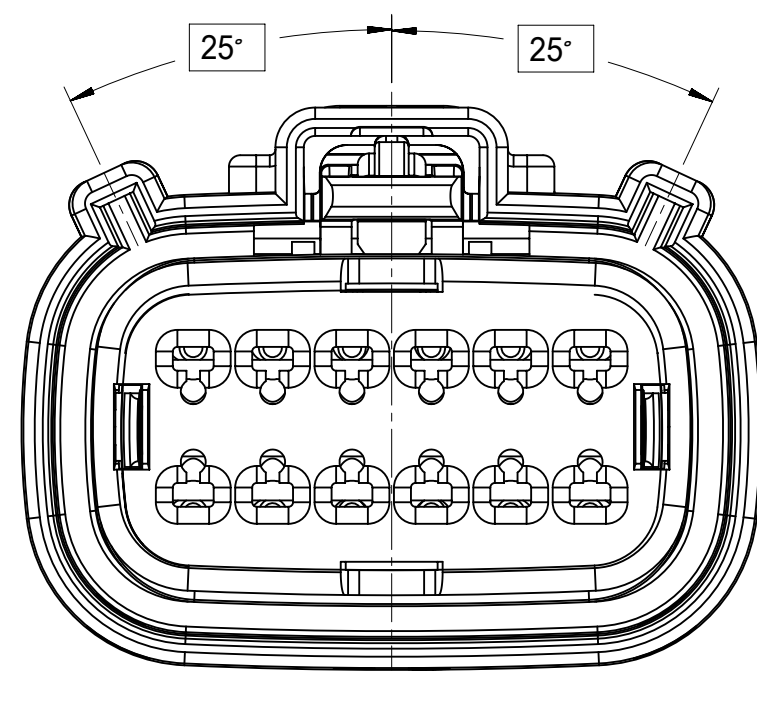
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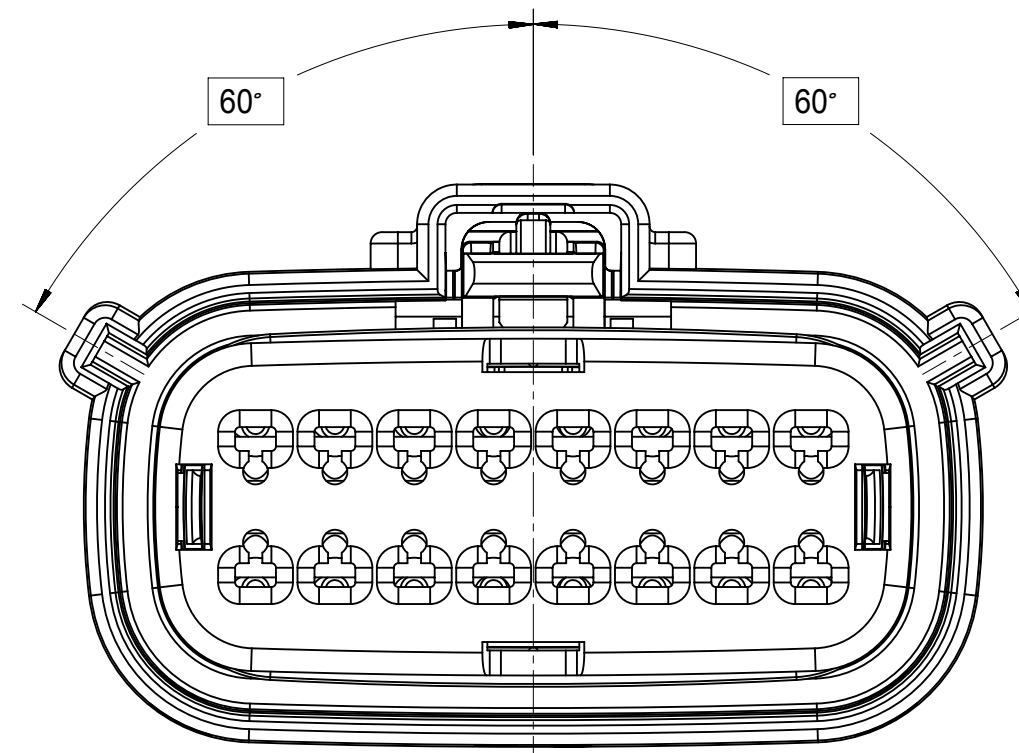
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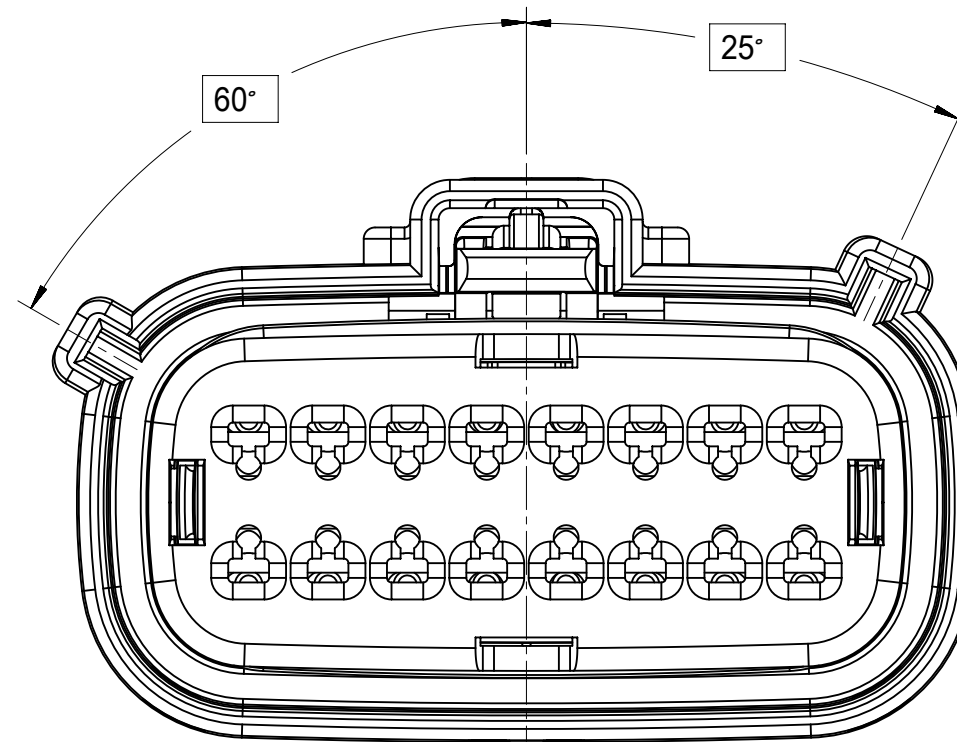
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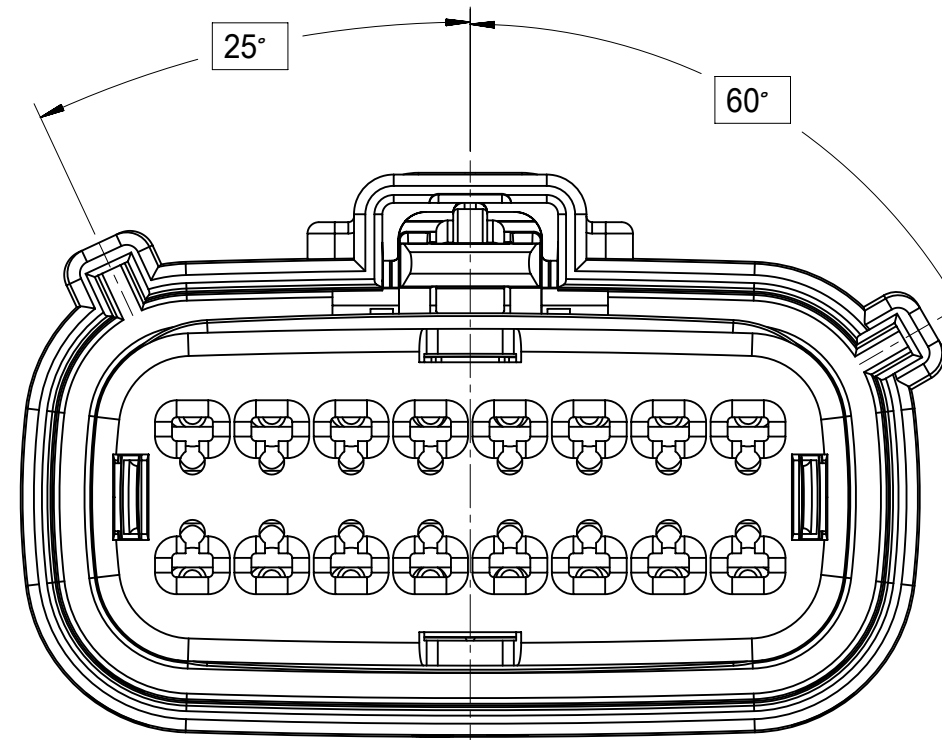
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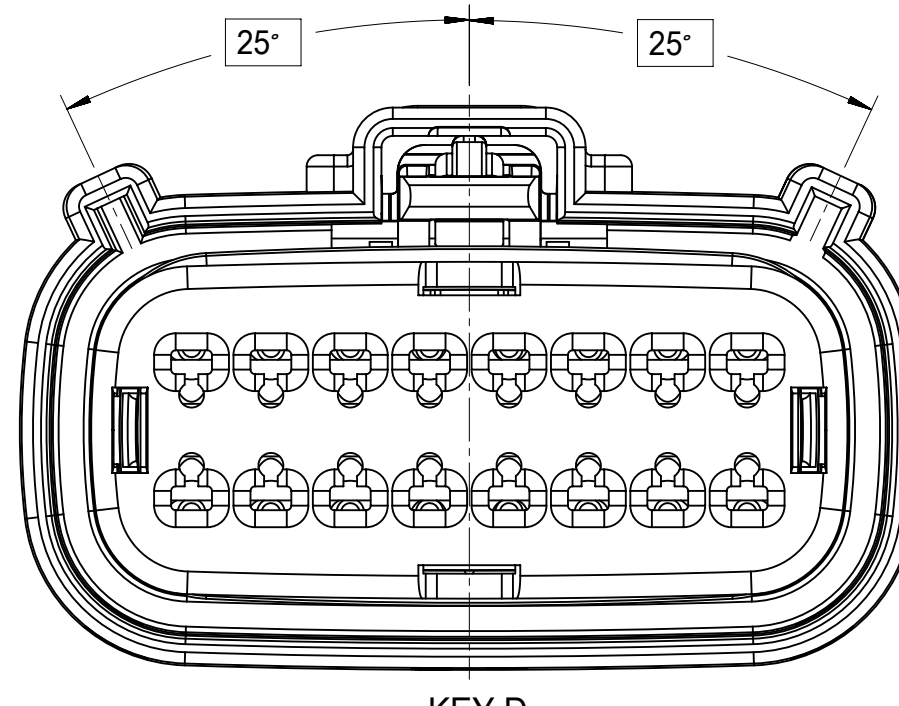
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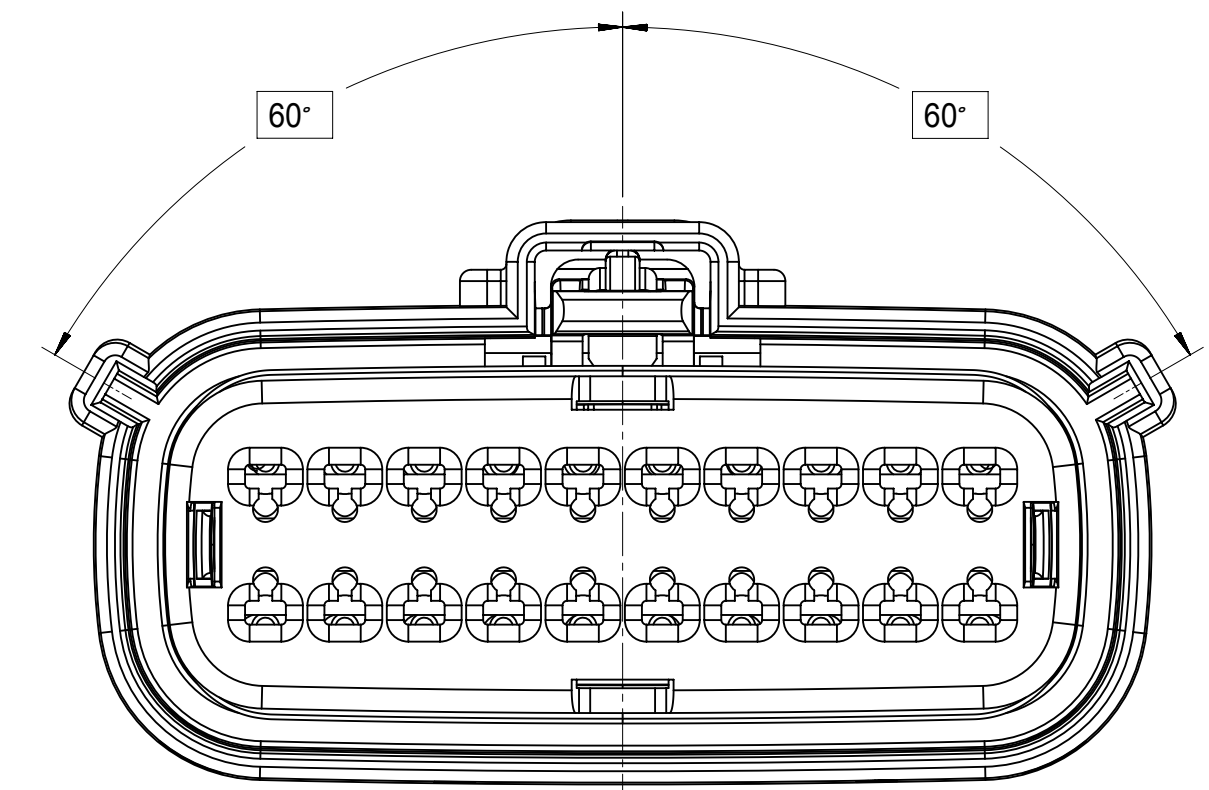
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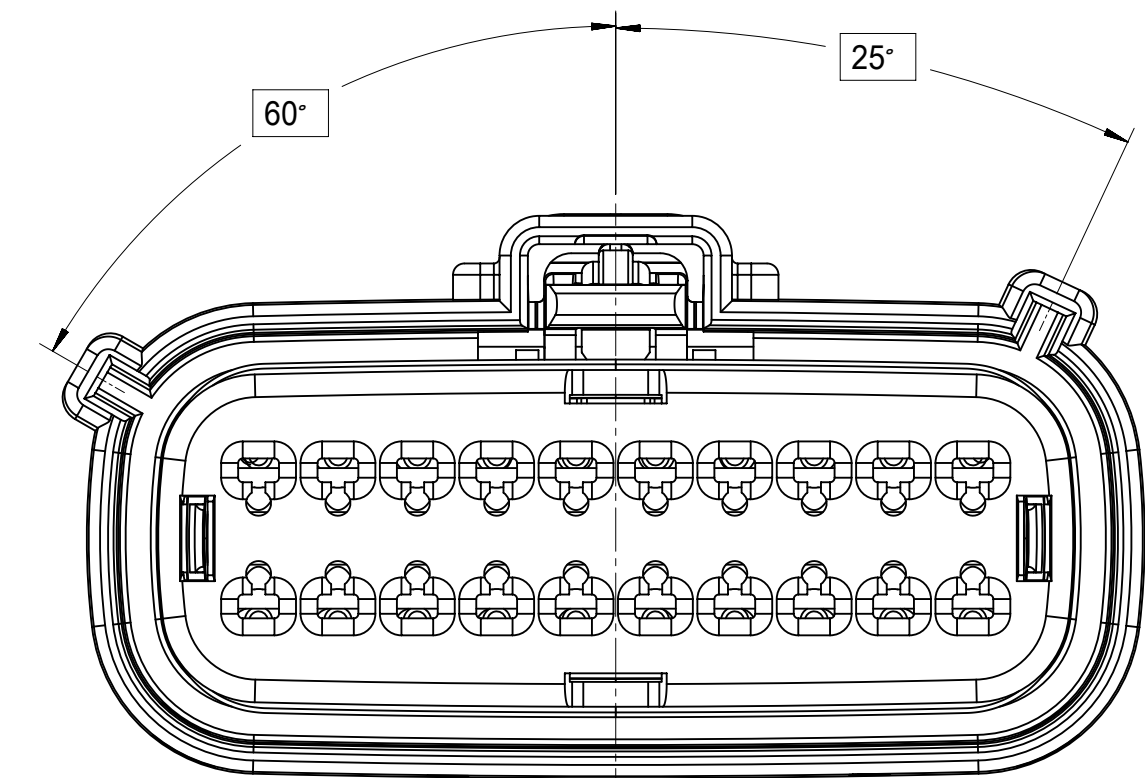
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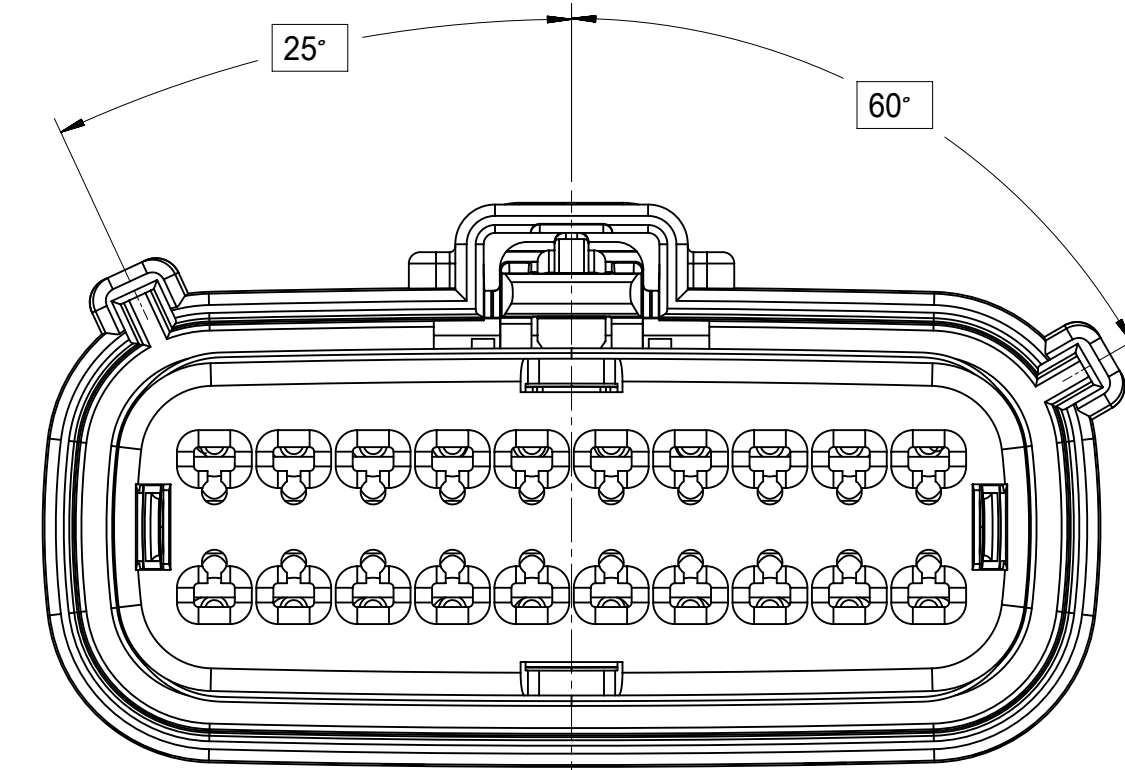
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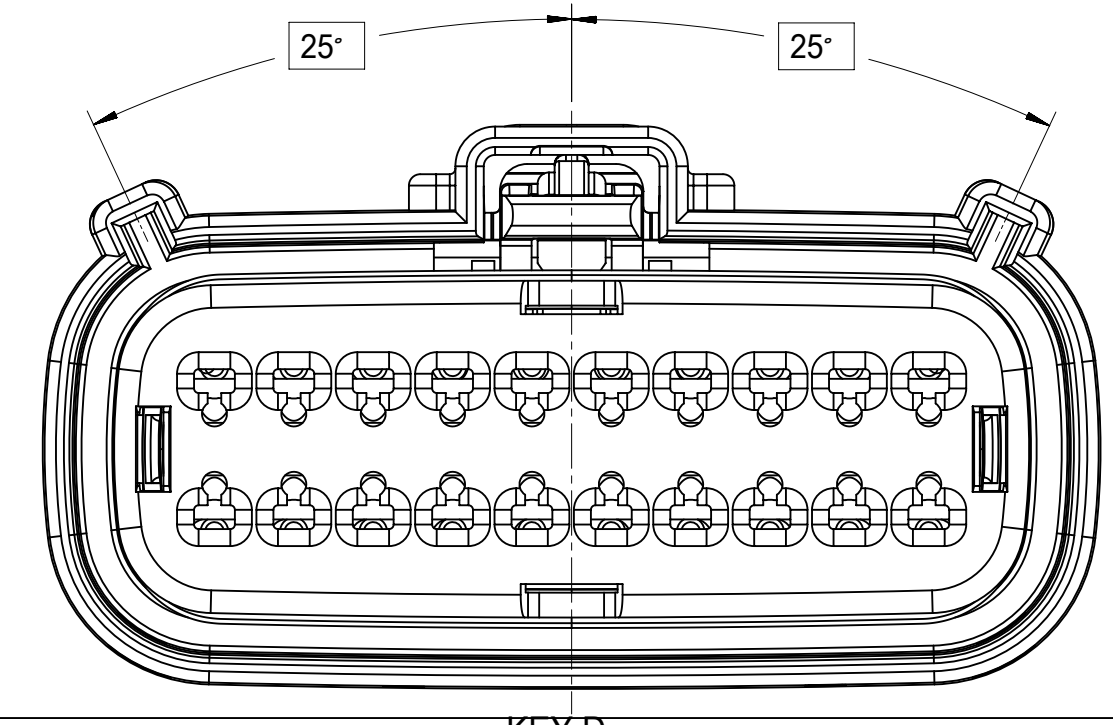
KEY A



KEY POINTS



KEY C



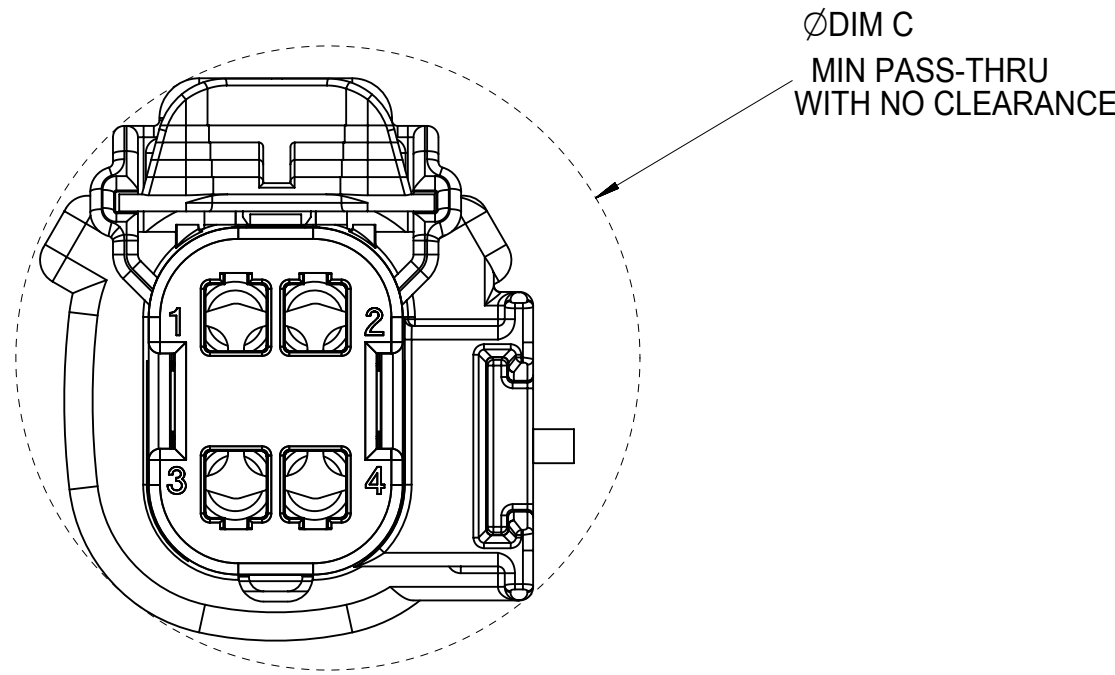
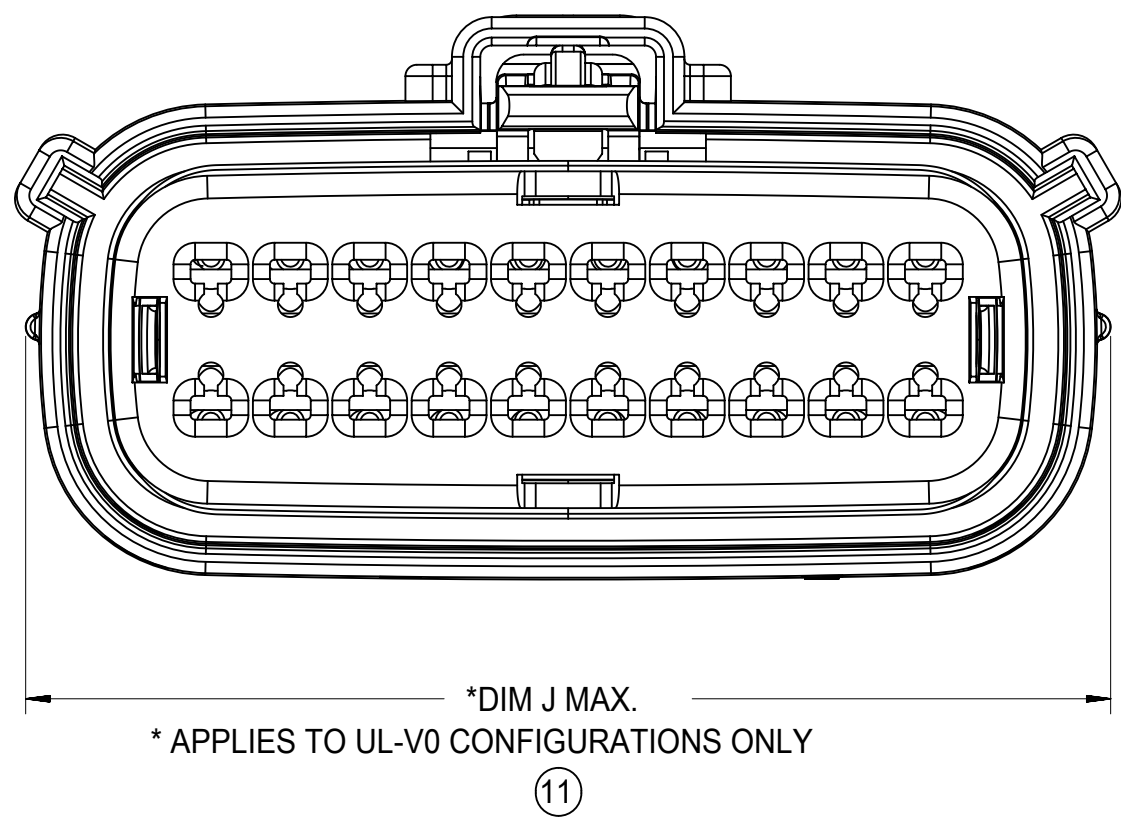
KEY D

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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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:							
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16				MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL					
ANGULAR TOL ± 1.0°											
4 PLACES ±		INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
3 PLACES ±						SD-33472-0001		PSD	001	C2	
2 PLACES ± 0.1		PRODUCT CUSTOMER DRAWING				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
1 PLACE ± 0.2								GENERAL MARKET		4 OF 11	
0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES				
				A1-SIZE		33472					

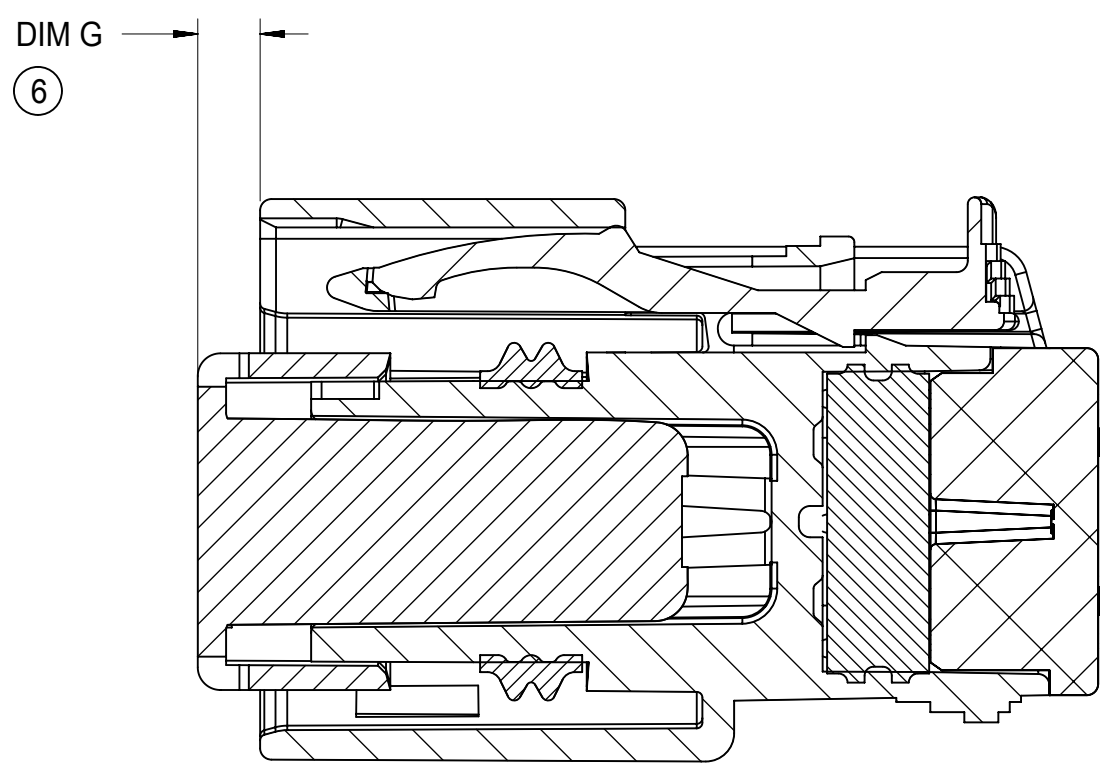
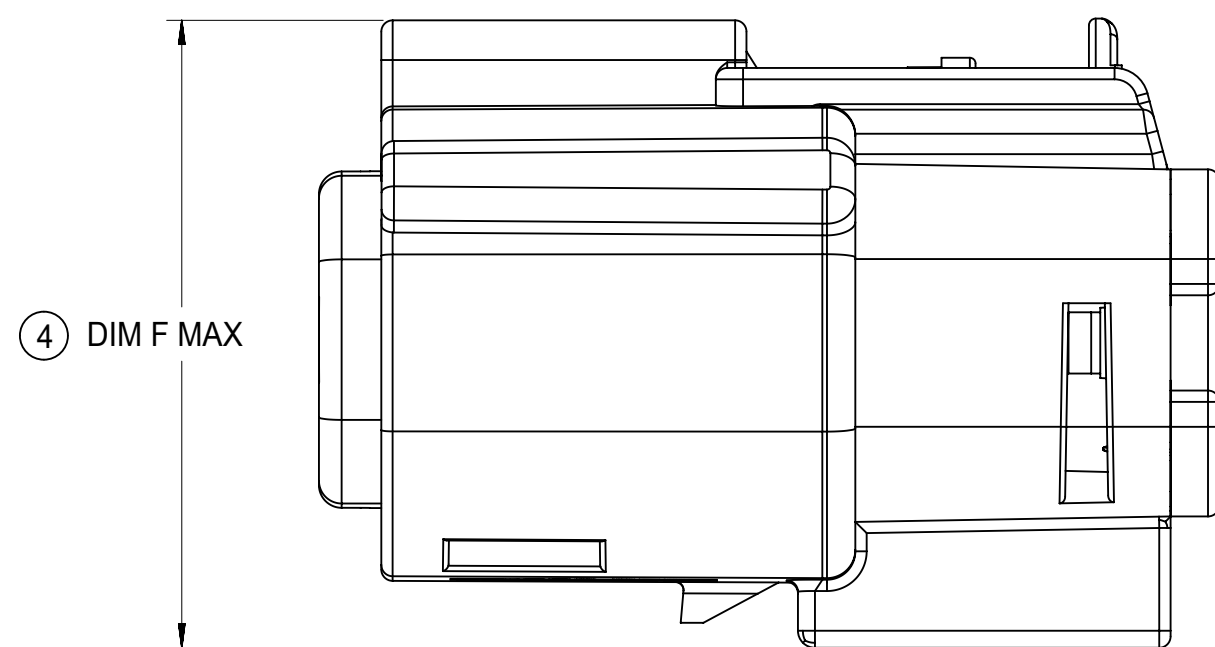
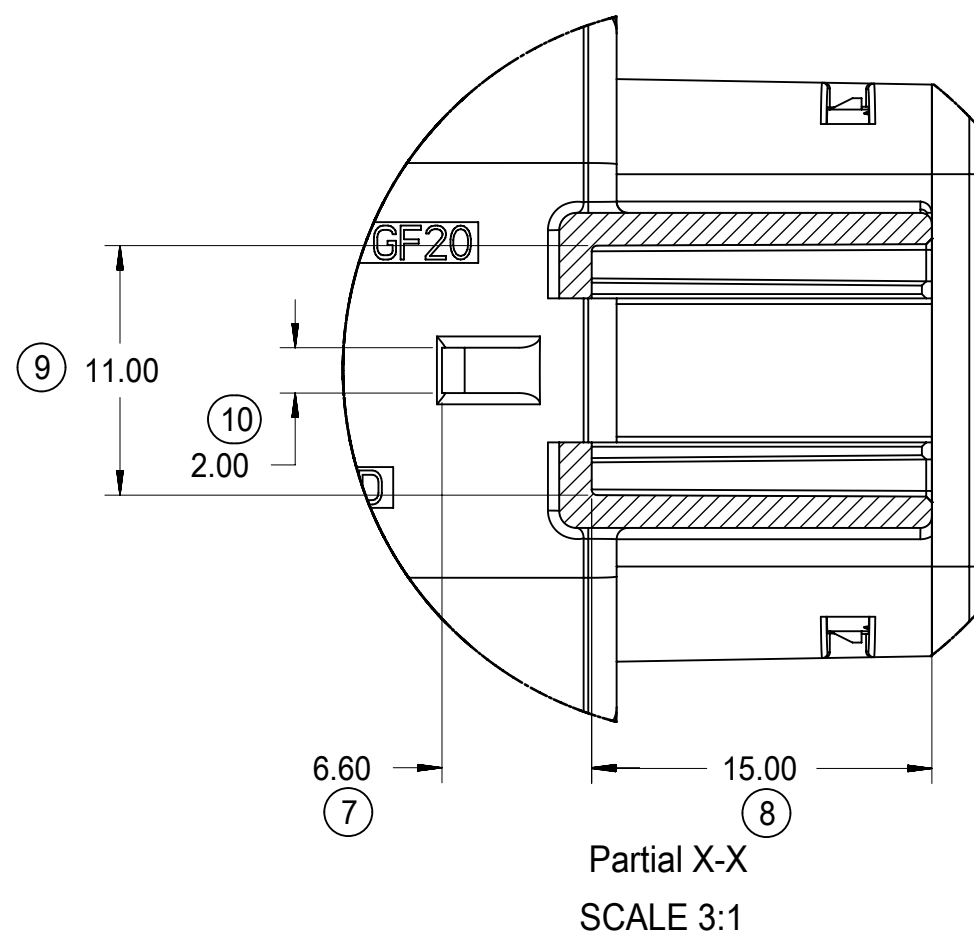
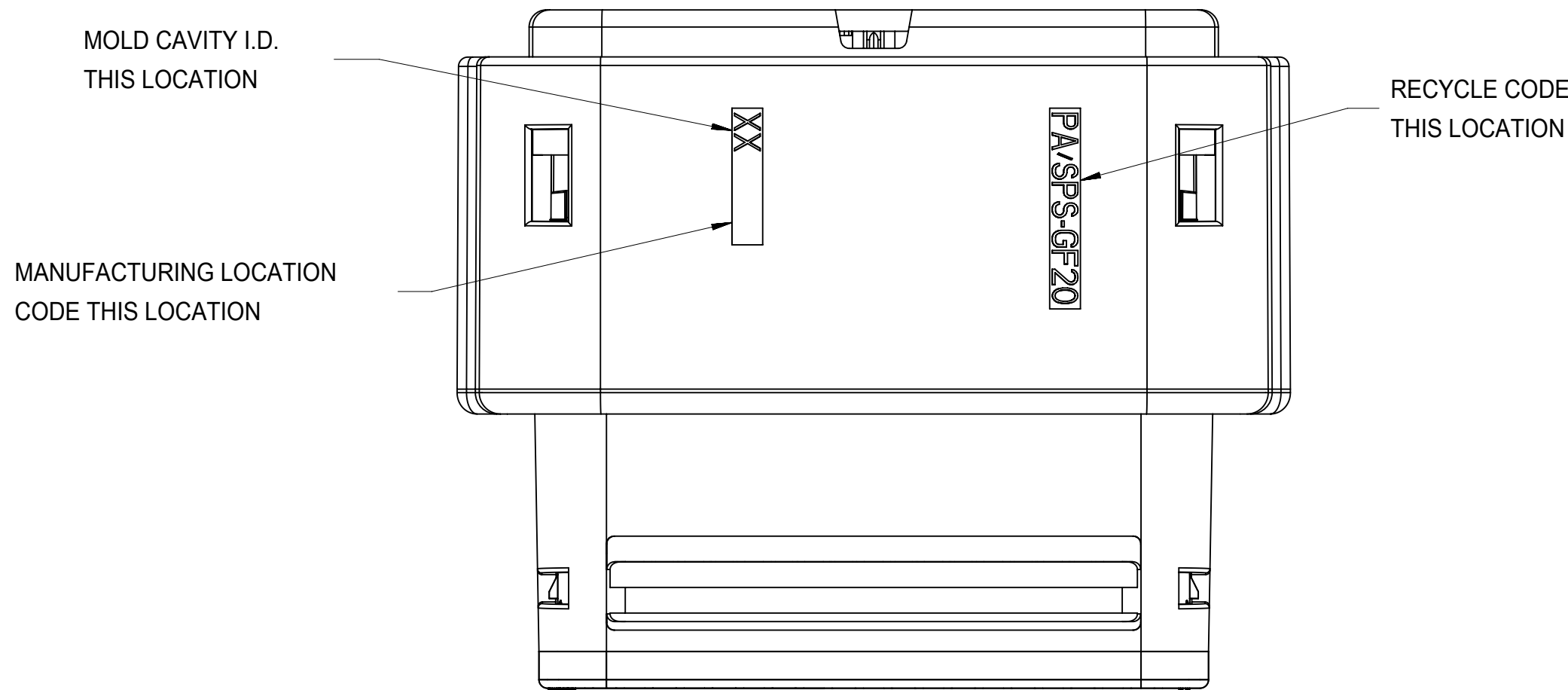
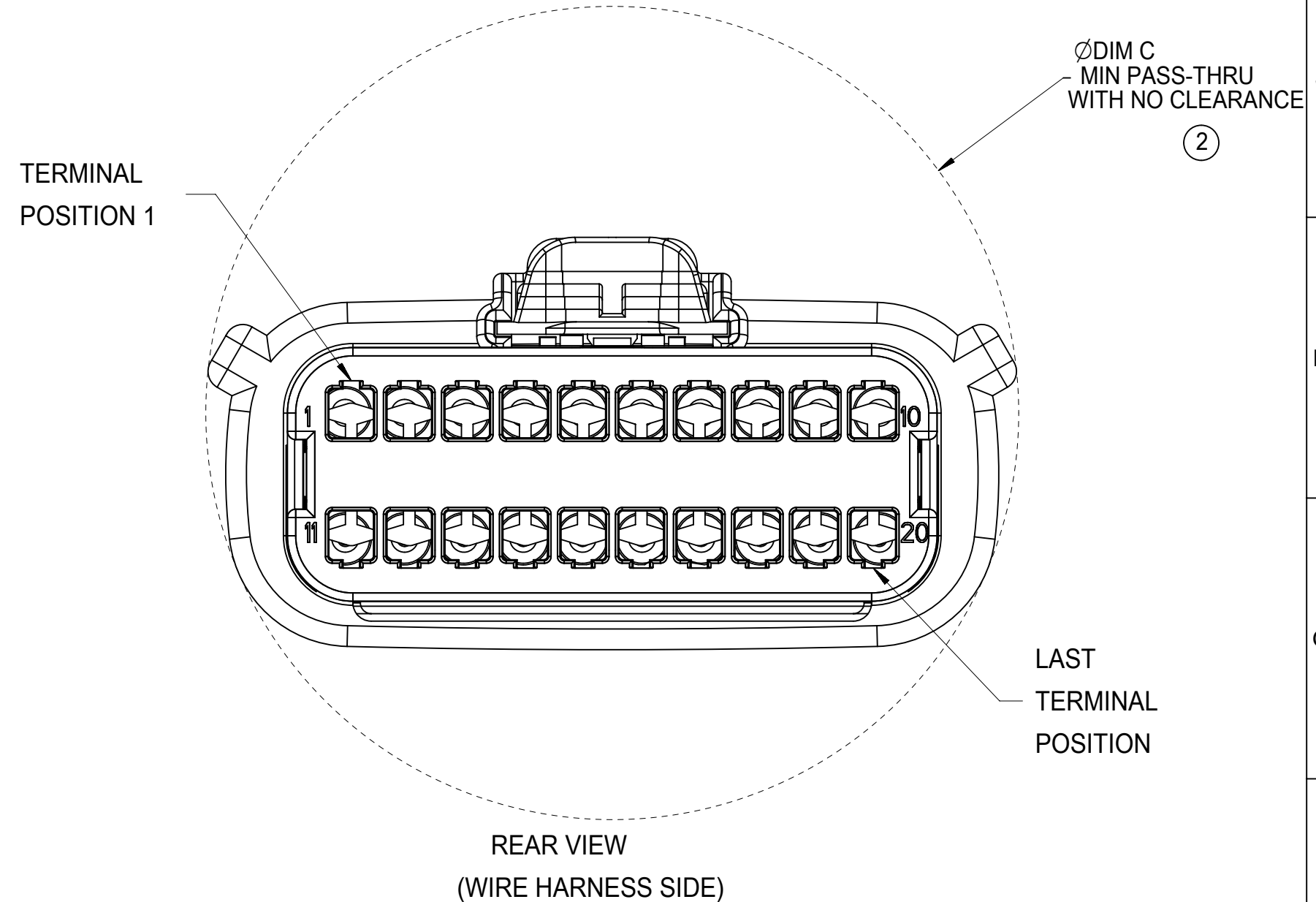
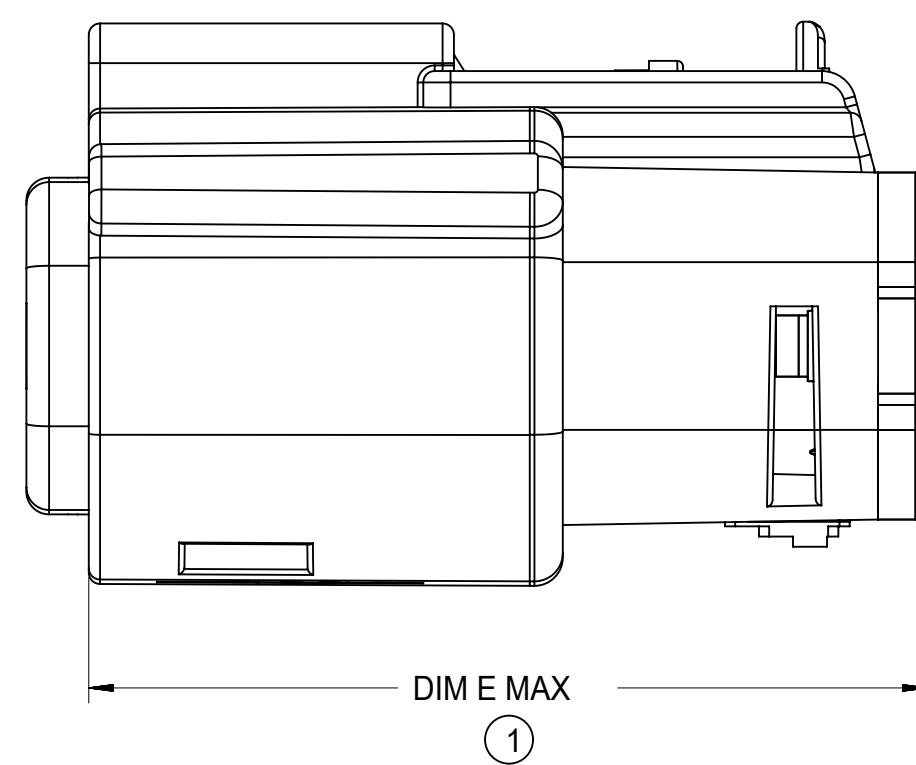
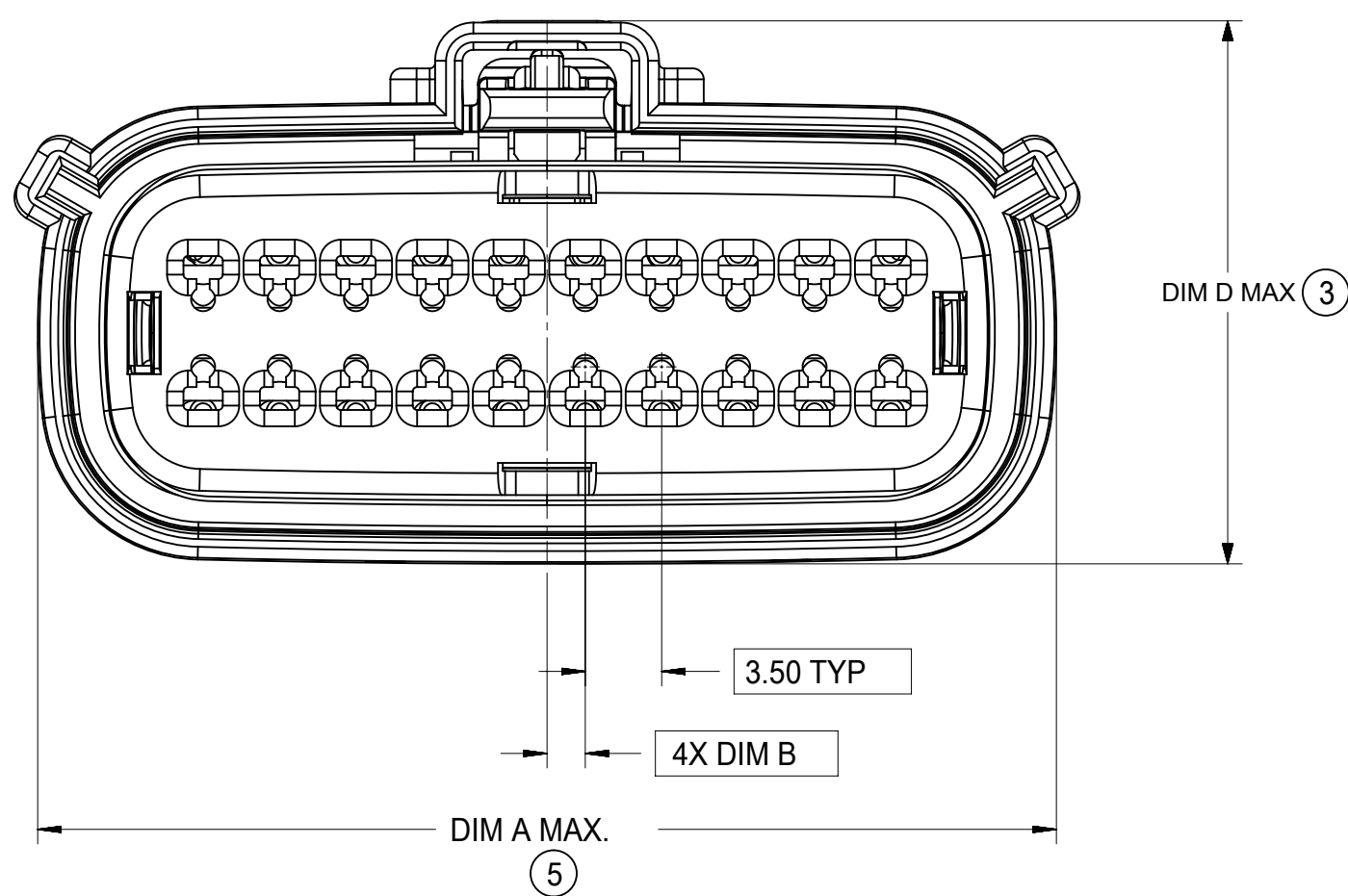
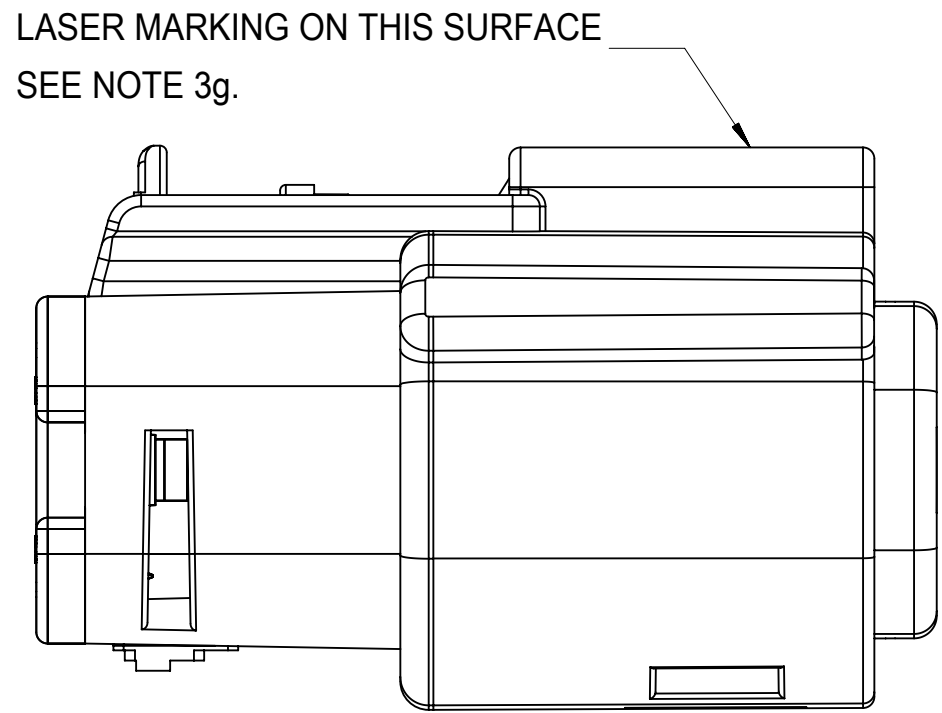
SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY



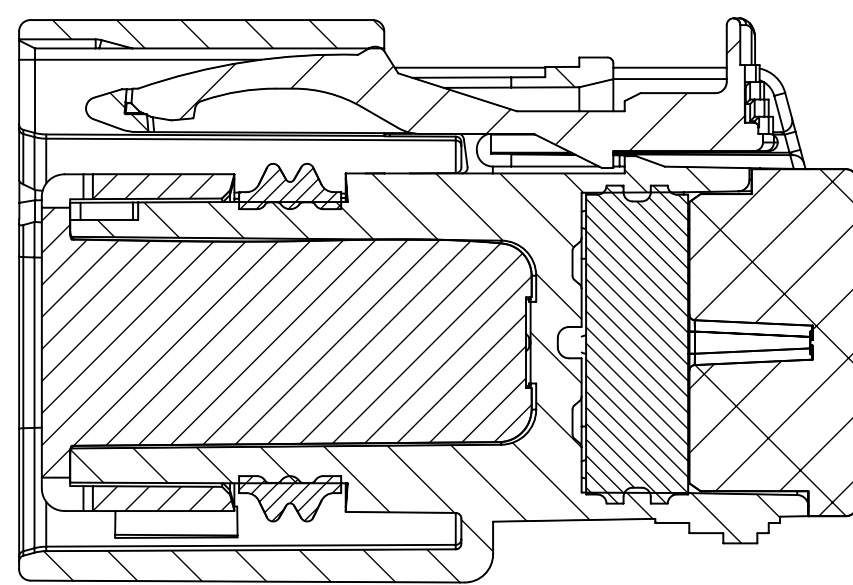
B APPLIES TO 2X2 - STD. - WITH CLIPSLOT ONLY

DESCRIPTION	DIMENSIONS						
	A	B	C	D	E	F	J
2X2 W/O CLIPSLOT	18.58	1.75	25.45	24.81	37.65	N/A	2.75±0.50
2X2 W/ CLIPSLOT	18.58	1.75	27.65	24.81	37.65	N/A	2.75±0.50
2X2 LENGTHENED	18.58	1.75	25.45	24.81	42.25	N/A	2.75±0.50
2X3 W/ CLIPSLOT	22.25	3.5	30.50	N/A	37.65	27.96	4.0±0.4
2X3 W/O CLIPSLOT	22.25	3.5	26.24	24.90	37.65	N/A	4.0±0.4
2X4 W/ CLIPSLOT	25.75	1.75	31.50	N/A	37.65	28.00	2.75±0.50
2X4 W/O CLIPSLOT	25.75	1.75	29.19	24.81	37.65	N/A	2.75±0.50
2X6 W/ CLIPSLOT	32.75	1.75	35.58	N/A	37.65	27.76	2.75±0.50
2X6 W/O CLIPSLOT	32.75	1.75	35.58	24.90	37.65	N/A	2.75±0.50
2X6 W/O CLIPSLOT V0	32.75	1.75	35.58	25.0	37.65	N/A	2.75±0.50
2X8 W/O CLIPSLOT	39.80	1.75	42.25	24.90	37.65	N/A	4.0±0.4
2X8 W/ CLIPSLOT	39.80	1.75	42.25	N/A	37.65	27.80	4.0±0.4
2X10 W/O CLIPSLOT	46.75	1.75	49.95	24.90	37.65	N/A	2.75±0.50
2X10 W/ CLIPSLOT	46.75	1.75	49.95	N/A	37.65	27.80	2.75±0.50



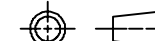
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION Y-Y



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

SECTION Z-Z

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex					
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 1.0°		EC NO: 171650				MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL							
4 PLACES ±		DRWN: DDEB 2018/01/19											
3 PLACES ±		CHK'D: MVANSLAMBROU 2018/02/16											
2 PLACES ± 0.1		APPR: MVANSLAMBROU 2018/02/16				PRODUCT CUSTOMER DRAWING							
1 PLACE ± 0.2		INITIAL REVISION:										DOCUMENT NUMBER	
0 PLACES ±		DRWN: APROFFITT 2014/05/14				SD-33472-0001			PSD		001	C2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A1-SIZE		33472				GENERAL MARKET		5 OF 11	

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16	22:02:25
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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-33472-0001.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
 - DESIGN IS OWNED BY SCHLEMMER FOR SCHLEMMER BACKSHELL.
 - DESIGN IS OWNED BY MOLEX FOR MOLEX BACKSHELL.
 - 90° ADAPTOR DESIGN IS OWNED BY MOLEX.
 - FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34951-0001.

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34951-XXXX

CUSTOMER MODEL COMPONENTS

- 0 - SCHLEMMER BACKSHELL ONLY
- 1 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
- 2 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
- 3 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
- 4 - SCHLEMMER BACKSHELL & MX150 HOUSING KEY D ASSEMBLY
- 5 - MOLEX BACKSHELL ONLY
- 6 - MOLEX BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
- 7 - MOLEX BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
- 8 - MOLEX BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
- 9 - MOLEX BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

BACKSHELL FEATURES

- 1 - WITH RIBS
- 2 - WITHOUT RIBS
- 3 - 90° ADAPTOR

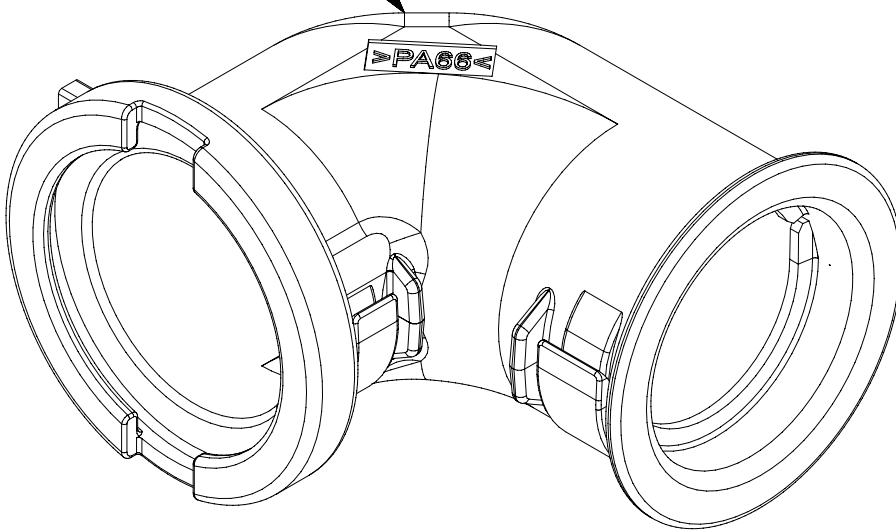
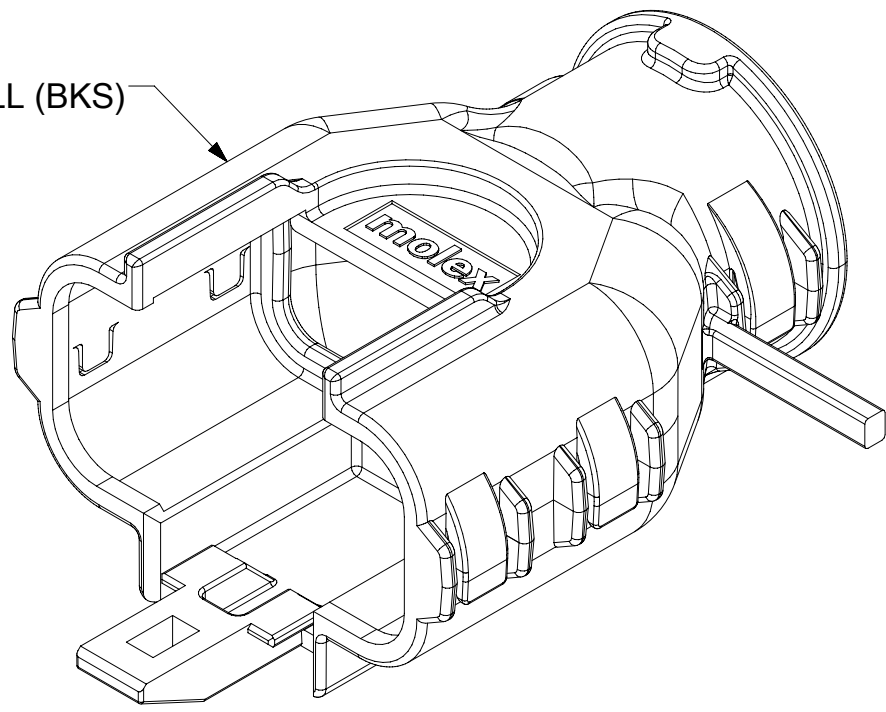
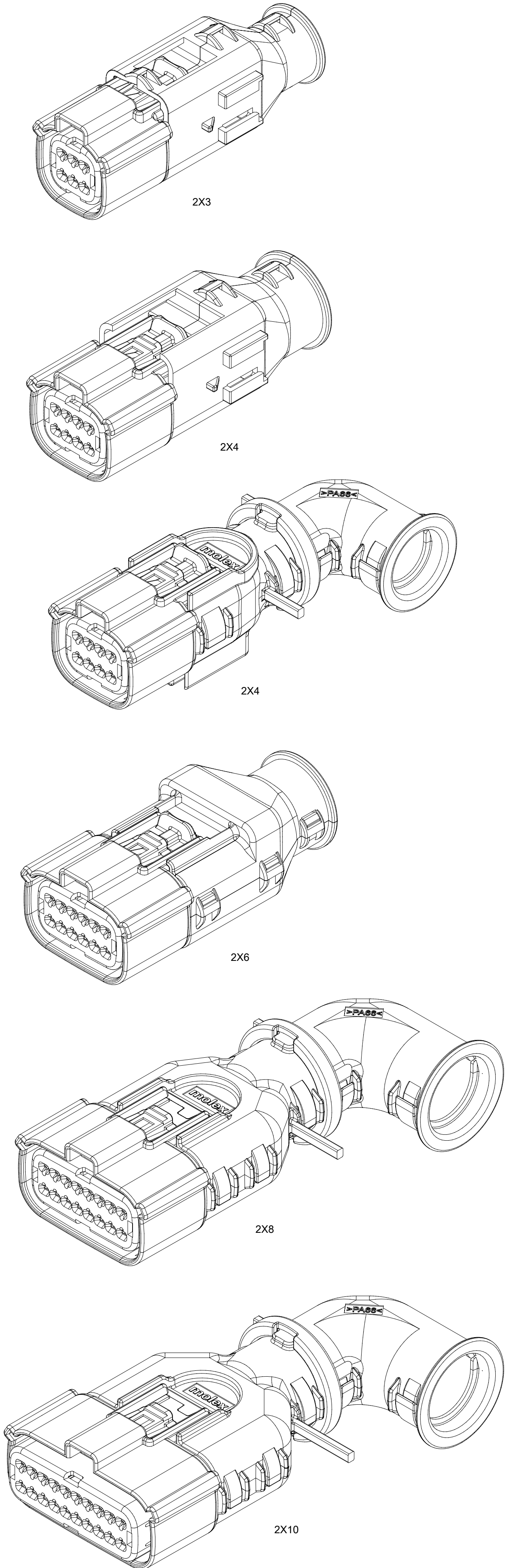
MX150 CIRCUIT SIZE 04, 06, 08, 12, 16, 20

RECEPTACLE SEALED ASSEMBLY

BACKSHELL (BKS)

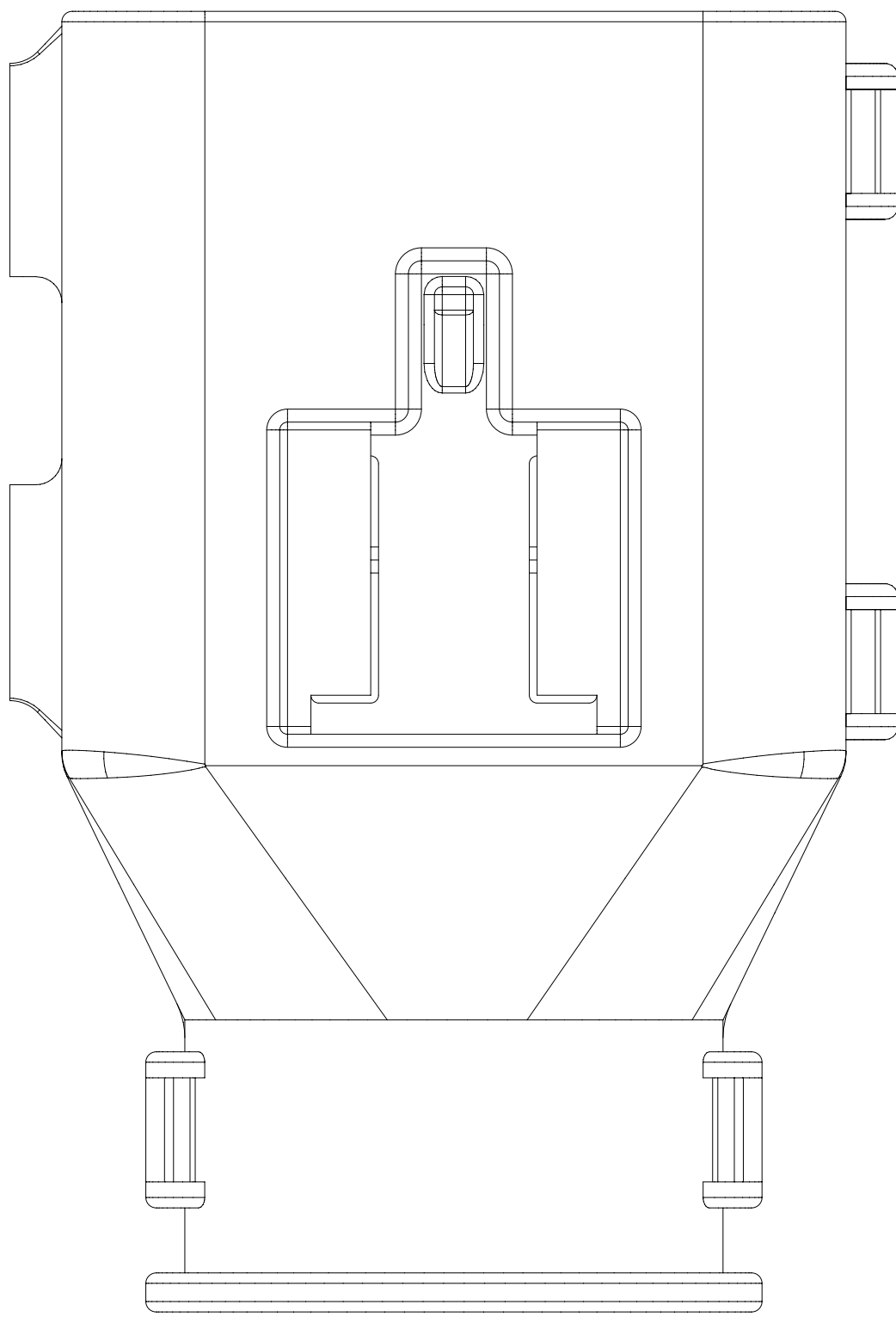
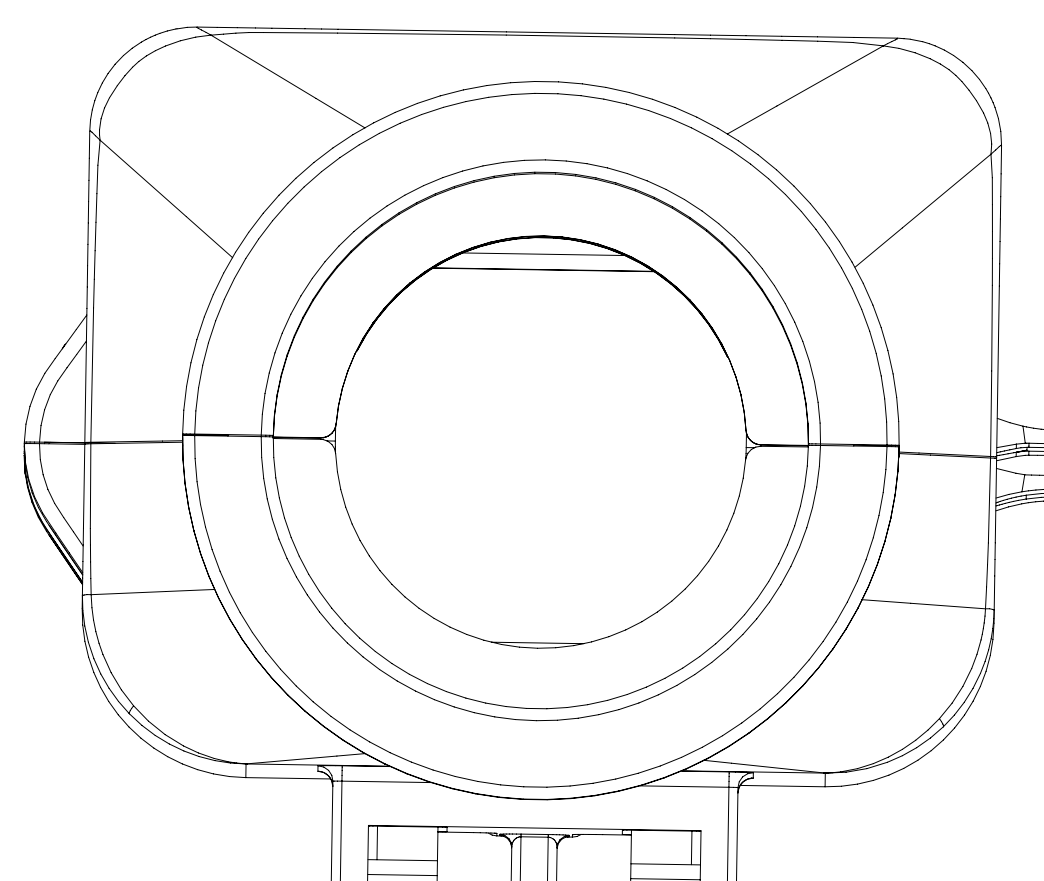
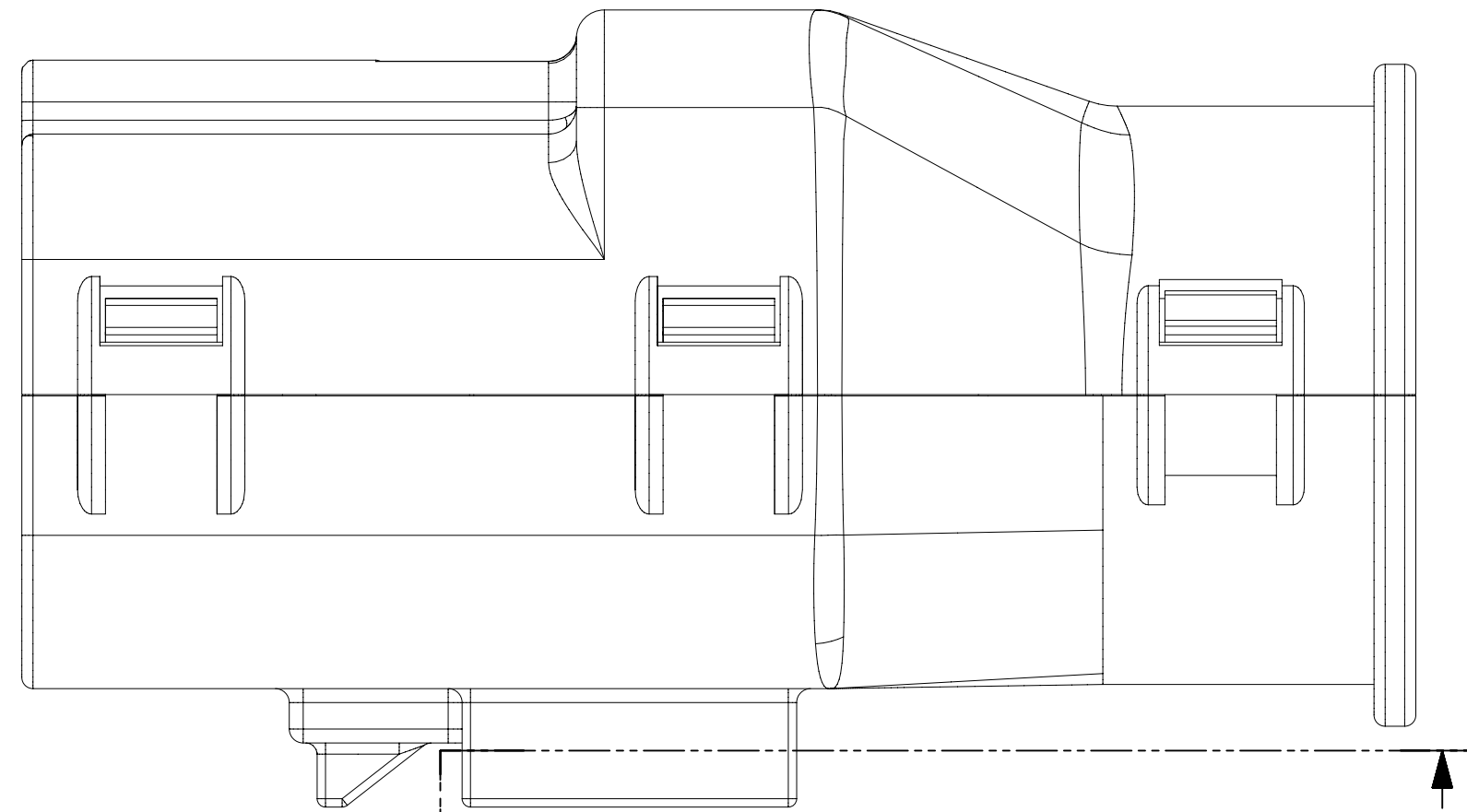
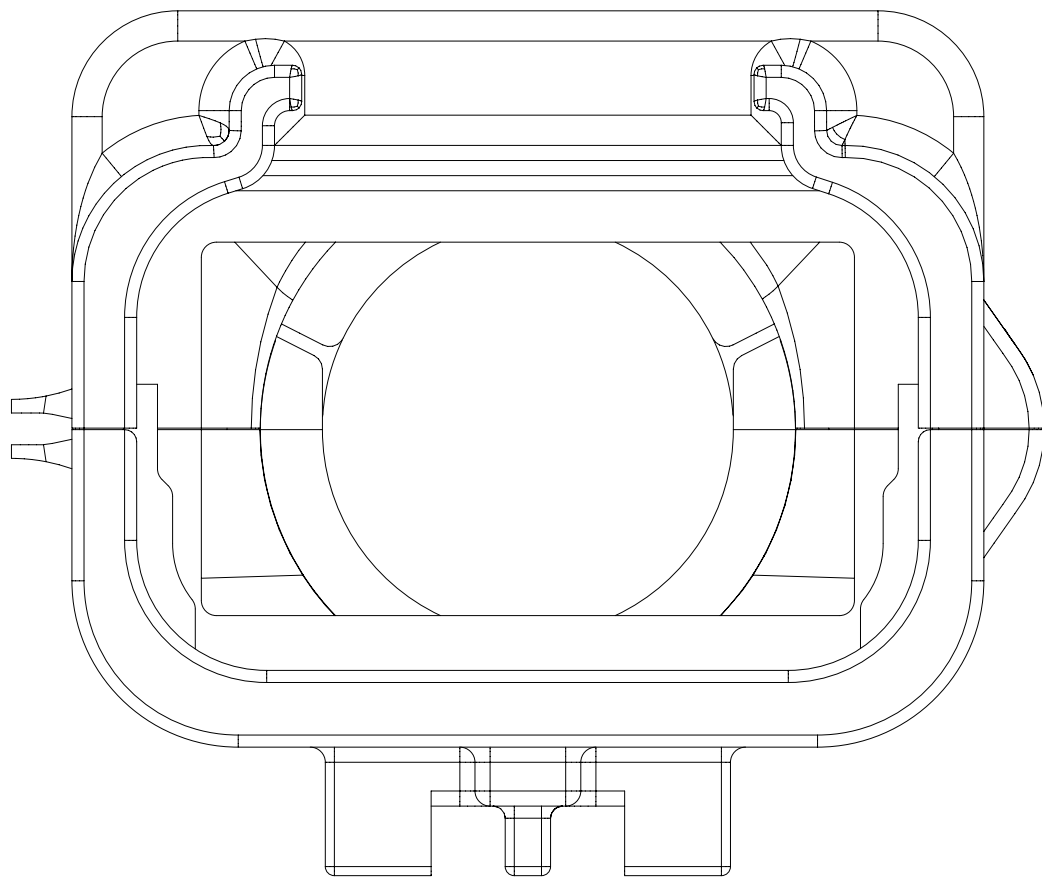
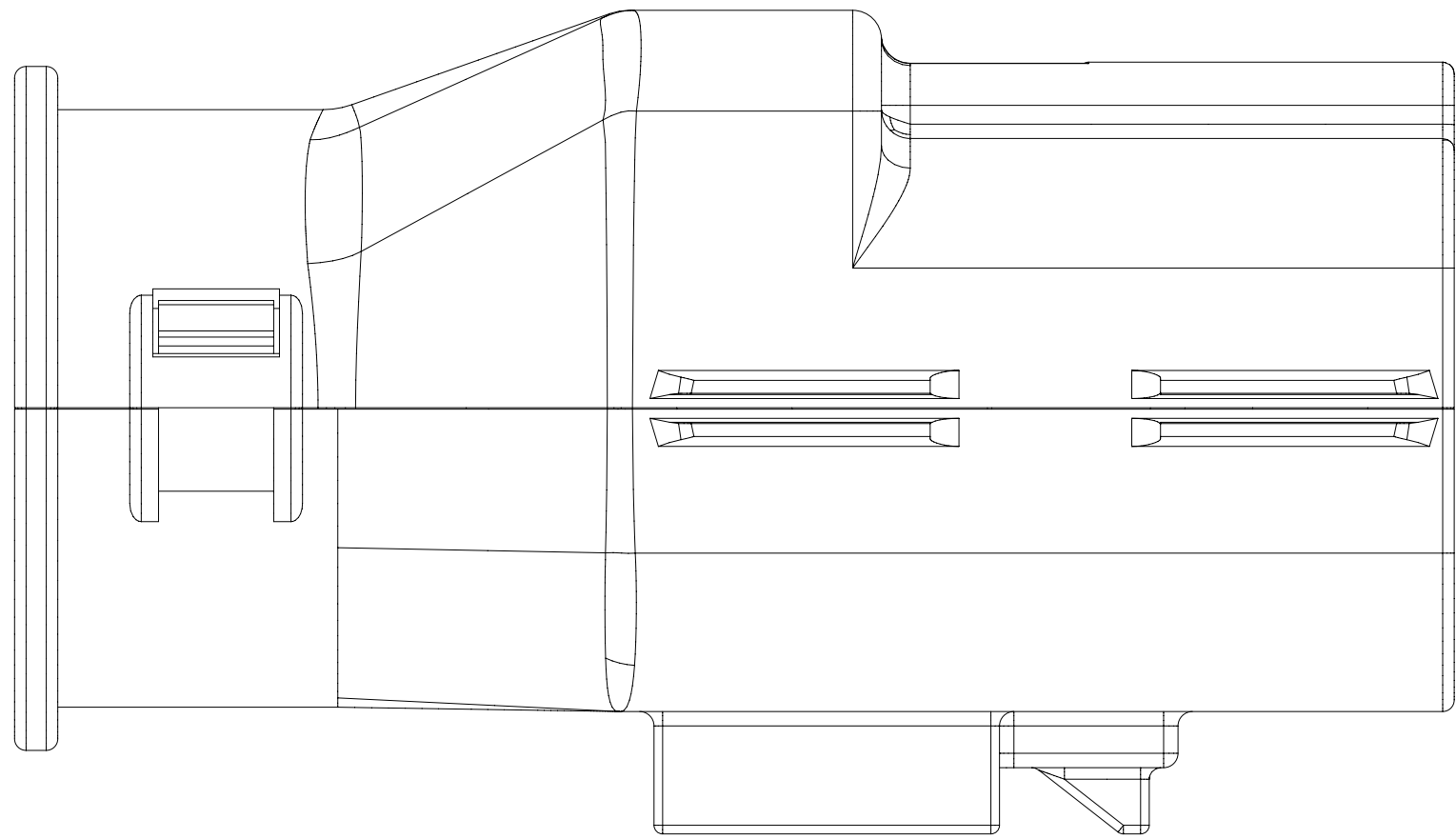
SCALE 2:1

90° ADAPTOR



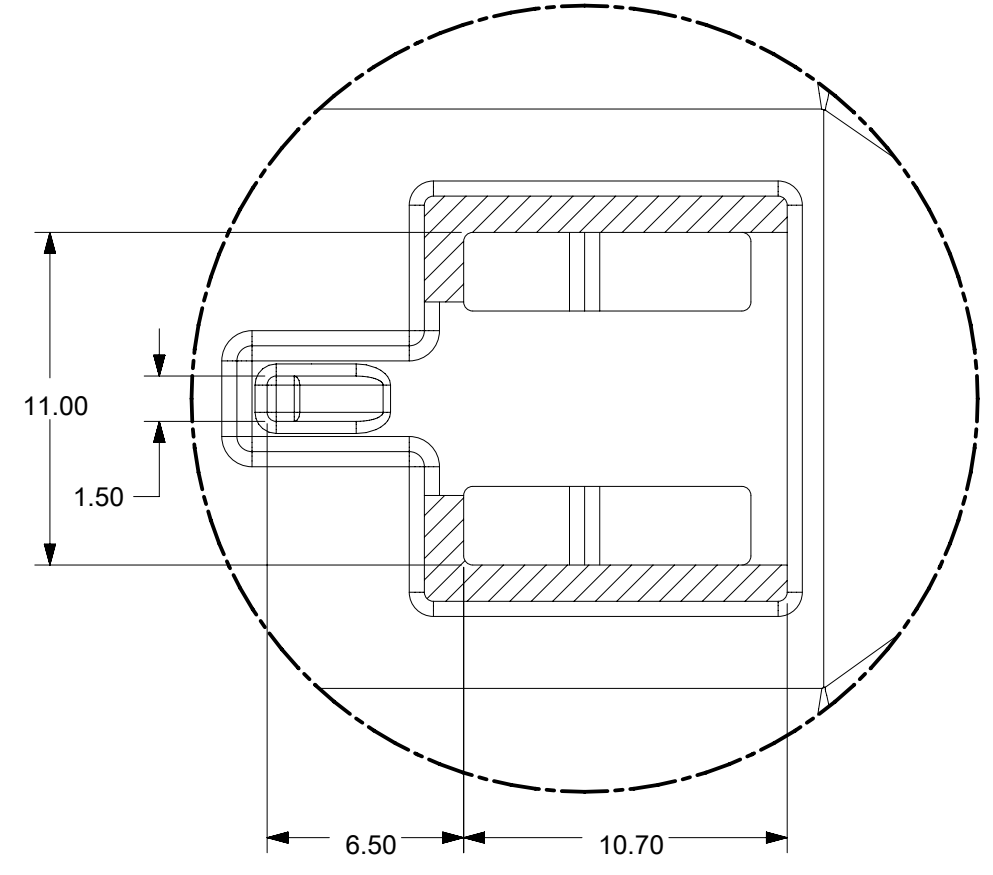
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	mm		1.5:1												
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 = 0															
 = 0	ANGULAR TOL ± 1.0 °				INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27					PRODUCT CUSTOMER DRAWING					
 = 0	4 PLACES ±														
 = 0	3 PLACES ±				DOCUMENT NUMBER SD-33472-0001					DOC TYPE PSD		DOC PART 001		REVISION C2	
 = 0	2 PLACES ± 0.1														
 = 0	1 PLACE ± 0.2				MATERIAL NUMBER					CUSTOMER GENERAL MARKET			SHEET NUMBER 6 OF 11		
 = 0	0 PLACES ±														
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A1-SIZE		SERIES 33472						

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL	



V

V

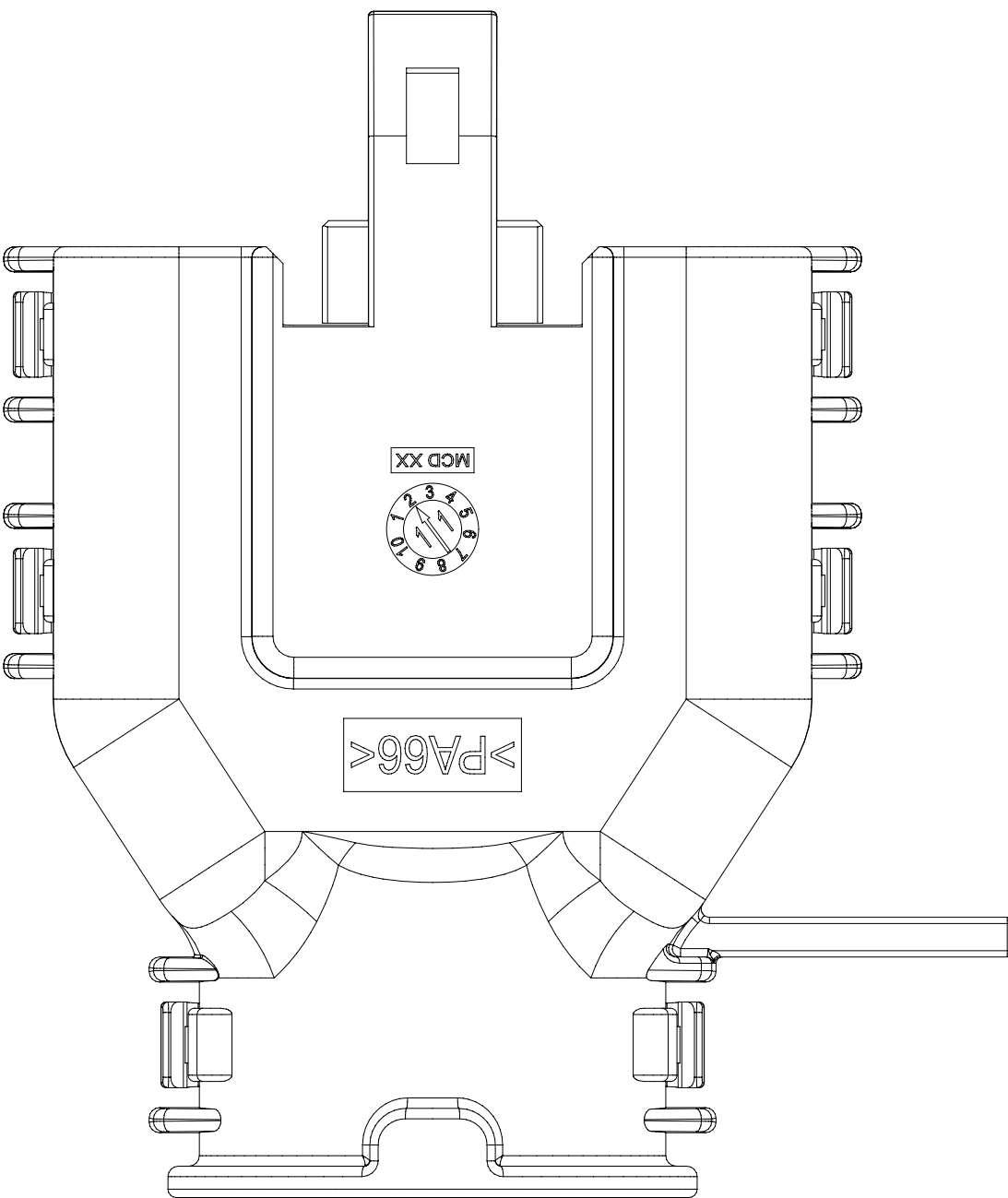
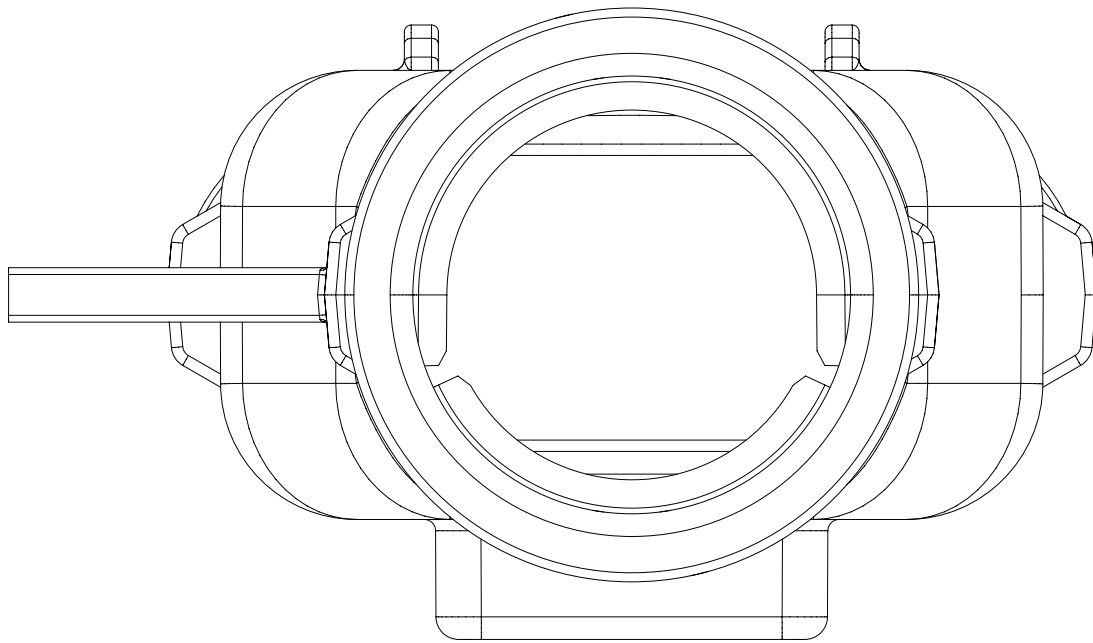
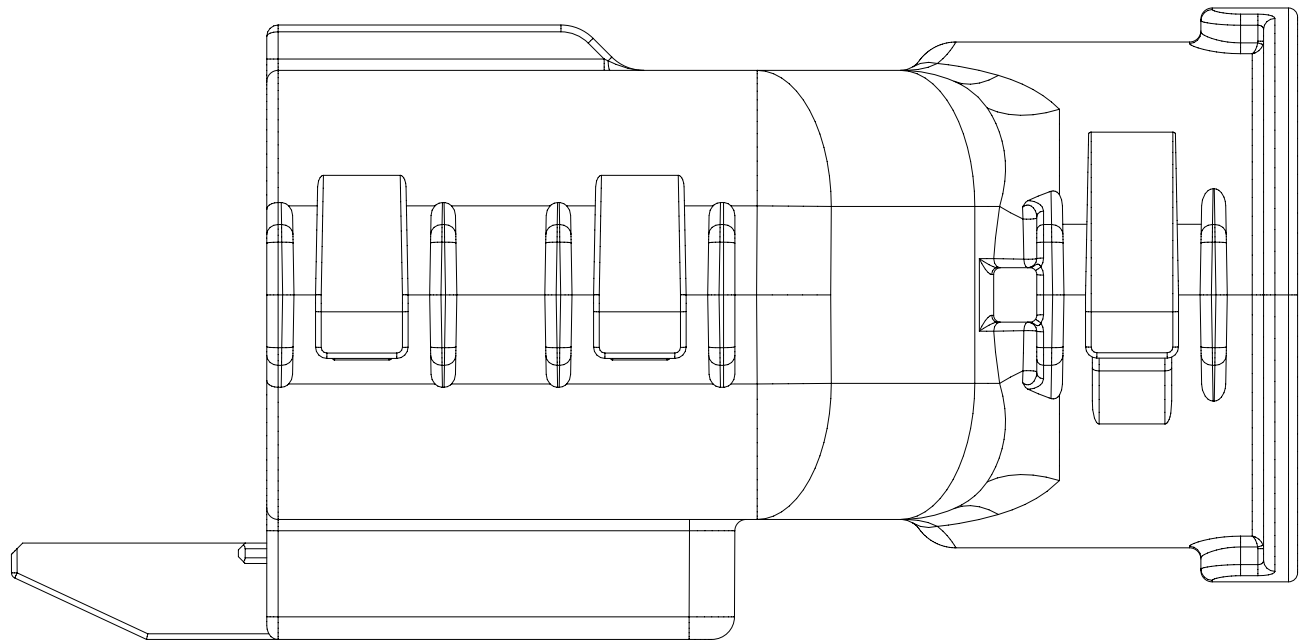
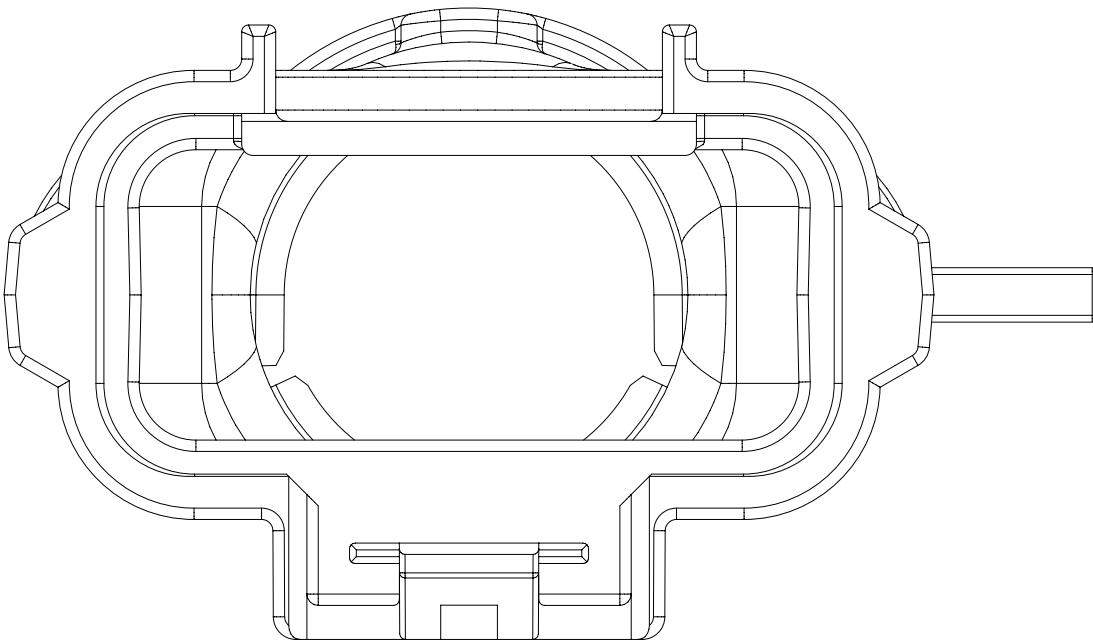
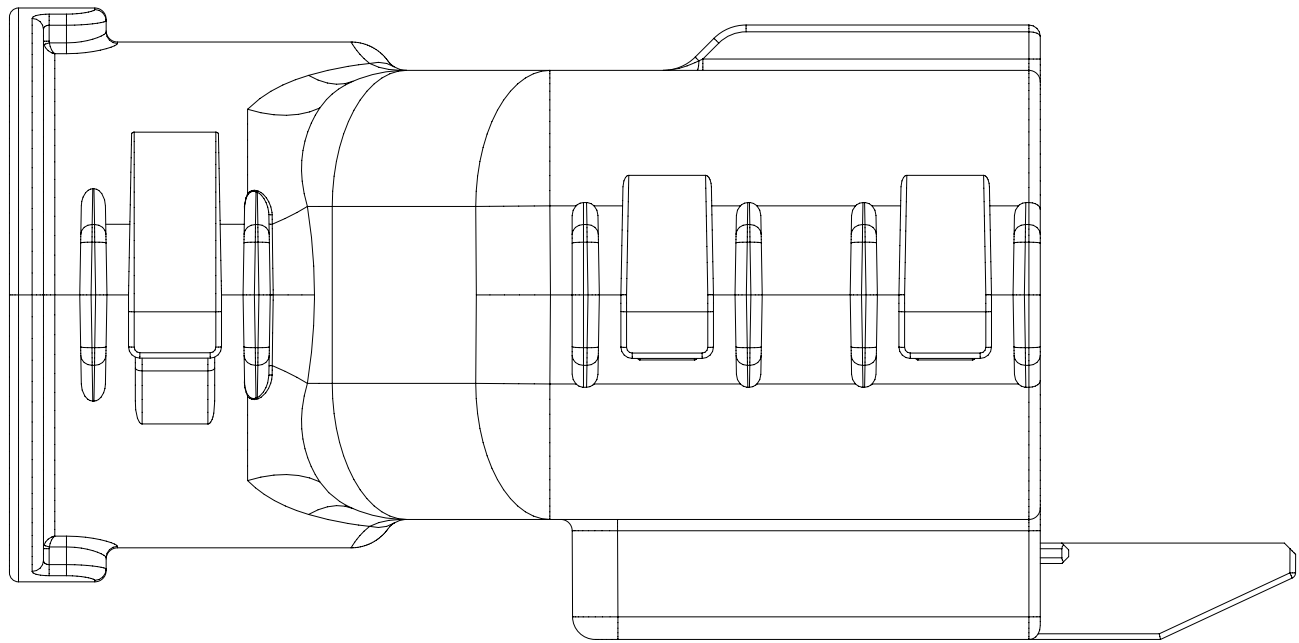


Partial V-V
SCALE 4:1

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
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		mm		4:1																	
		GENERAL TOLERANCES (UNLESS SPECIFIED)										MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL									
		ANGULAR TOL ± 1.0 °																			
		4 PLACES ±										PRODUCT CUSTOMER DRAWING									
		3 PLACES ±				DOCUMENT NUMBER		DOC TYPE		DOC PART								REVISION			
		2 PLACES ± 0.1				SD-33472-0001						PSD		001		C2					
		1 PLACE ± 0.2																			
		0 PLACES ±				THIRD ANGLE PROJECTION						DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																			
								A1-SIZE		33472				GENERAL MARKET		7 OF 11					

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16 22:02:25
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SHEET DESCRIPTION
MOLEX BACKSHELL

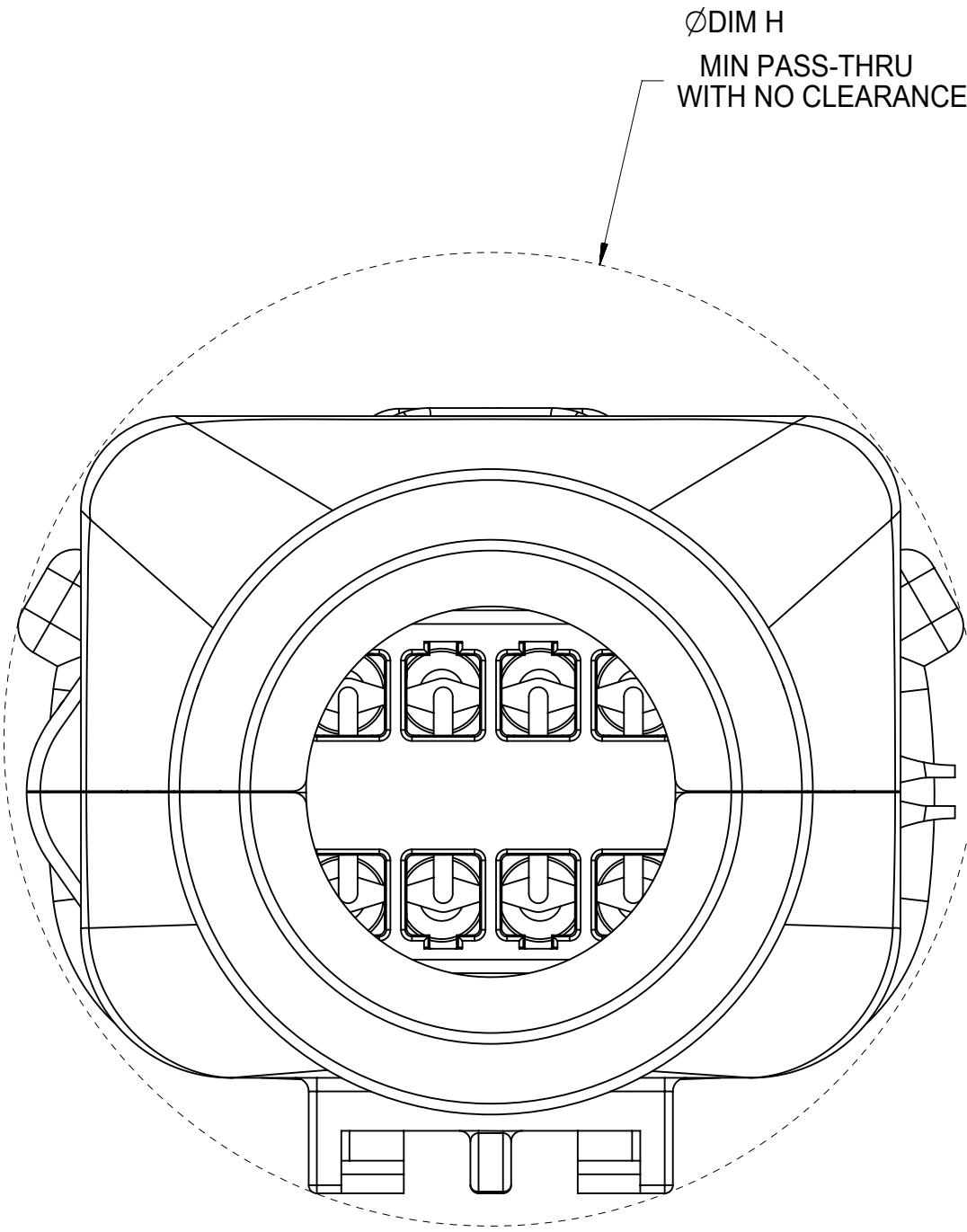
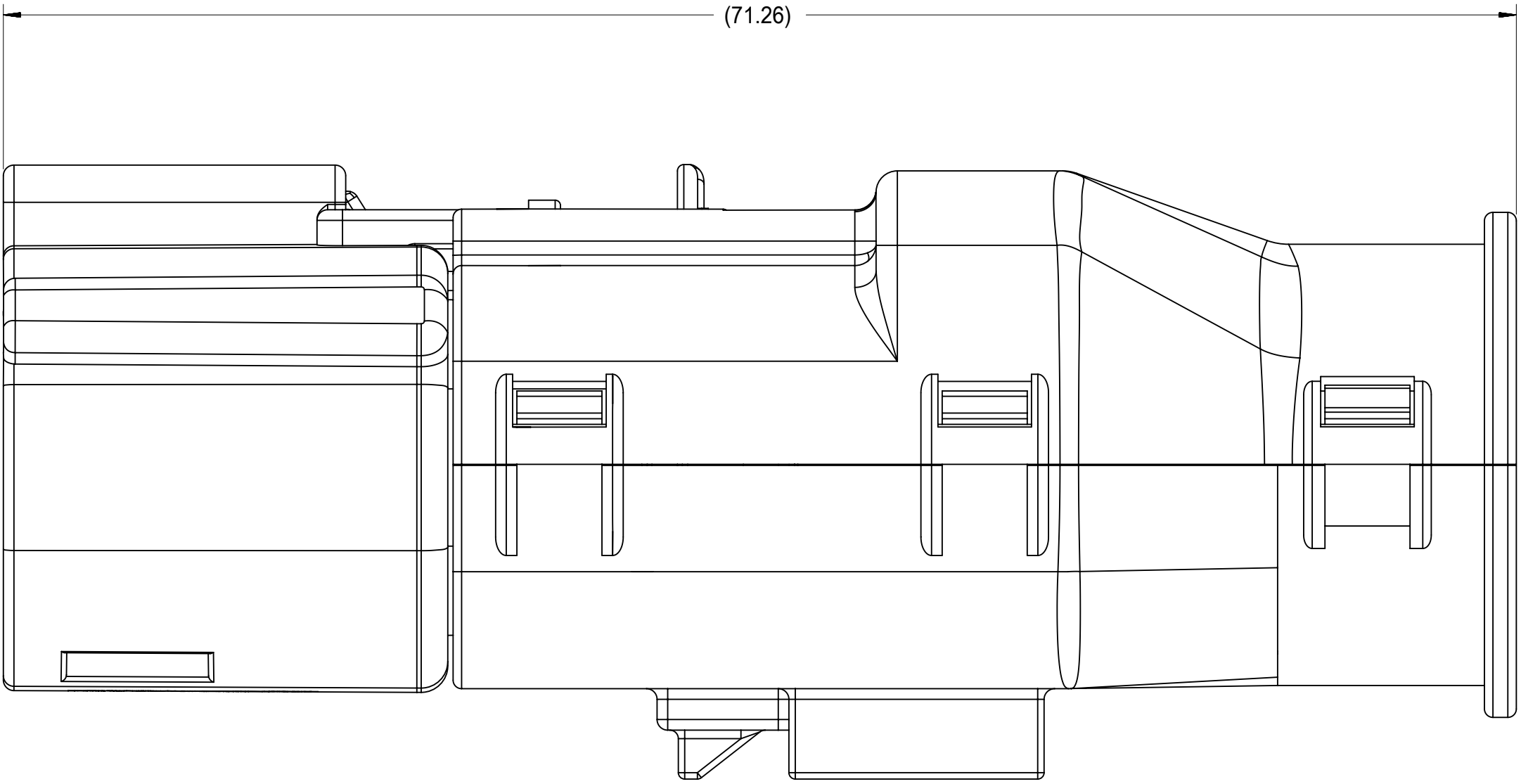


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27 THIRD ANGLE PROJECTION 				<					

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16 22:02:25
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SHEET DESCRIPTION	
SCHLEMMER BACKSHELL CONFIGURATIONS	

CHARTED DIMENSIONS	
DESCRIPTION	DIMENSIONS
	H
2X3 W/ CLIPSLOT	N/A
2X3 W/O CLIPSLOT	28.50
2X4 W/ CLIPSLOT	N/A
2X4 W/O CLIPSLOT	30.75
2X6 W/ CLIPSLOT	N/A
2X6 W/O CLIPSLOT	35.83



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

QUALITY SYMBOLS

FA

=

0

FB

=

0

FC

=

0

FV

=

0

CS

=

0

XS

=

0

MS

=

0

CV

=

0

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

EC NO: 171650

DRWN: DDEB

CHKD: MYANSLAMBROU

APPR: MYANSLAMBROU

2018/01/19

2018/02/16

2018/02/16

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

mm

DRWN BY

APPROFIT

CHK'D BY

KBORUSZEWSKI

APPR BY

VKOSHY

DRAWING SIZE

A1

THIRD ANGLE PROJECTION

SCALE

4:1

DATE

2014/05/14

DATE

2014/06/16

DATE

2014/06/27

molex®

MX150 RCPT

DUAL ROW SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

SERIES

33472

MATERIAL NUMBER

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

SD-33472-0001

DOC TYPE

PSD

DOC PART

001

SHEET NUMBER

9 OF 11

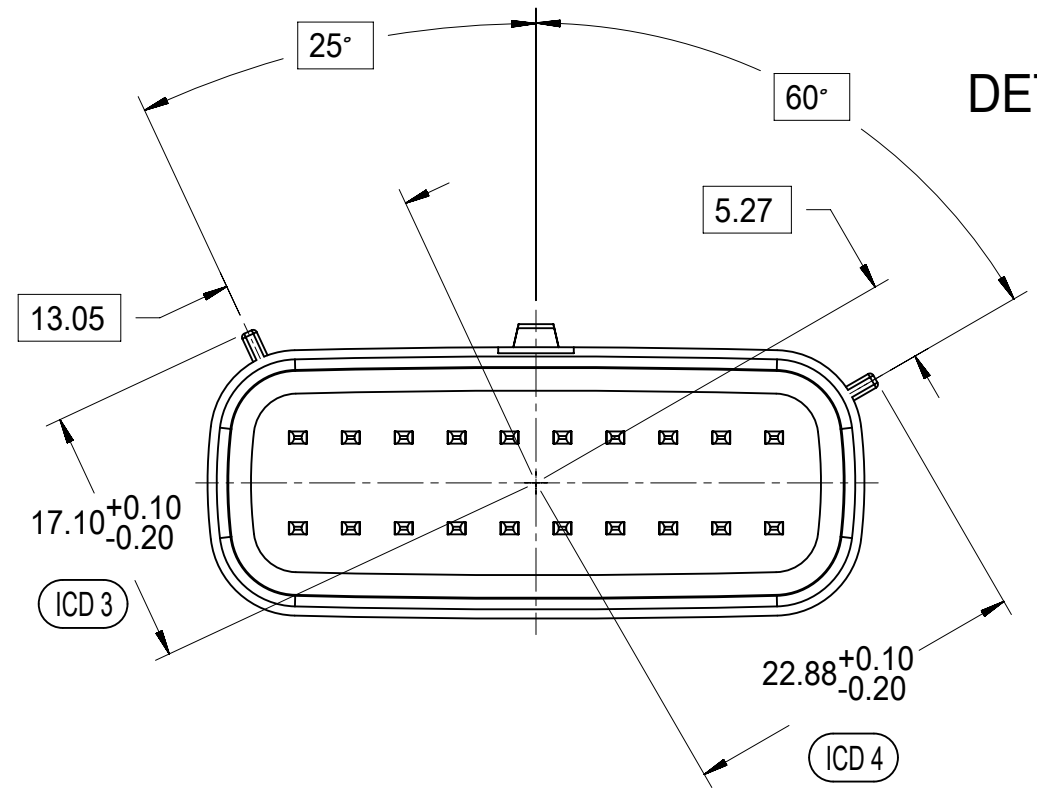
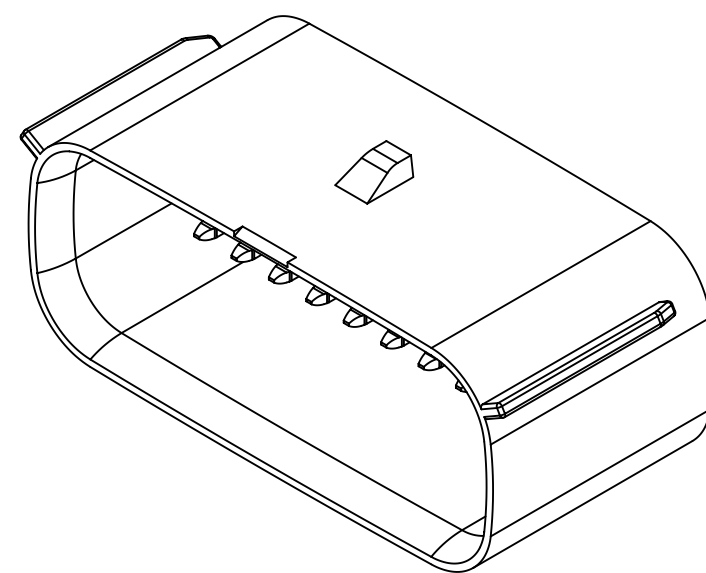
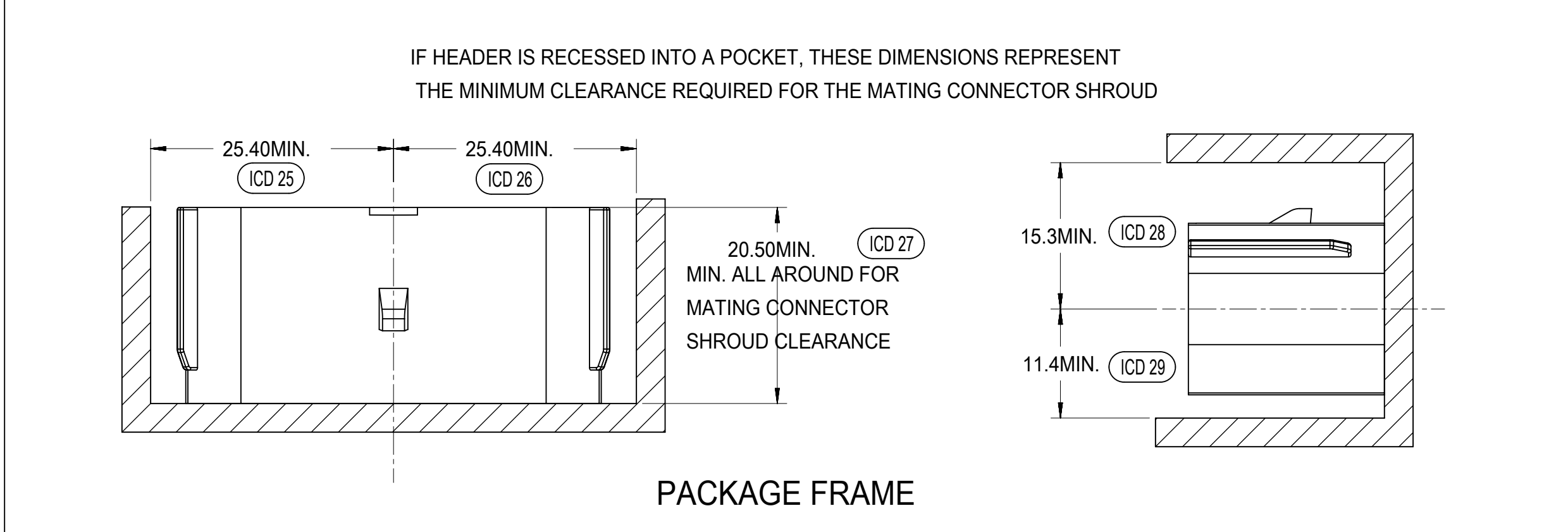
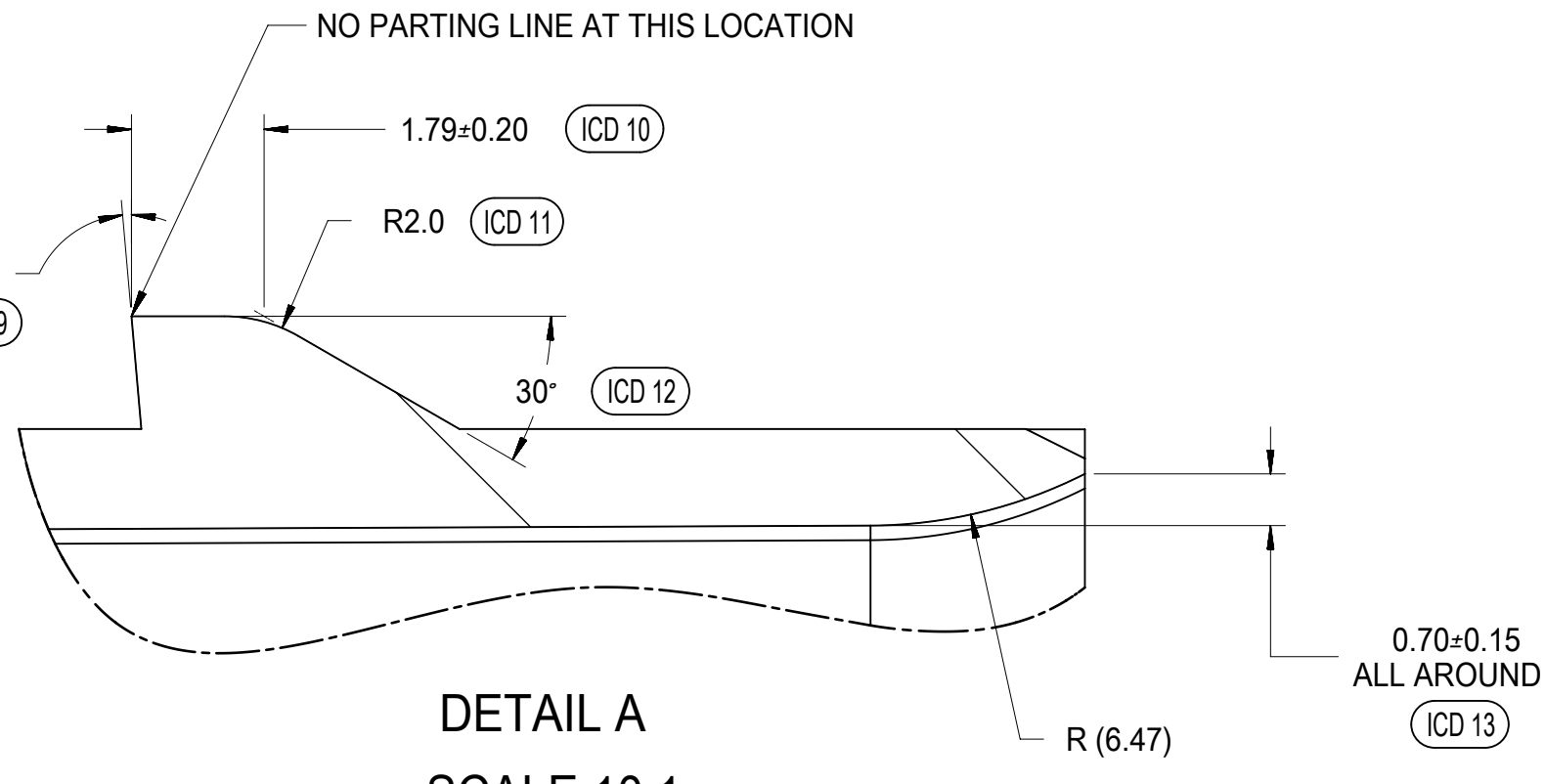
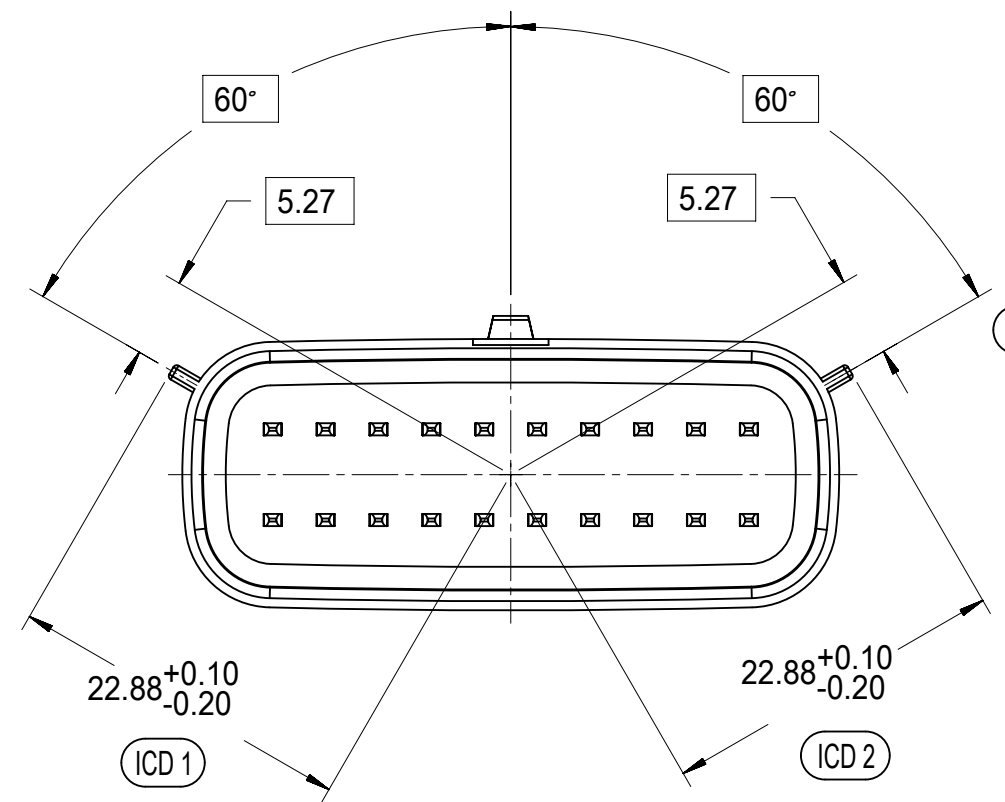
RELEASE STATUS

P1

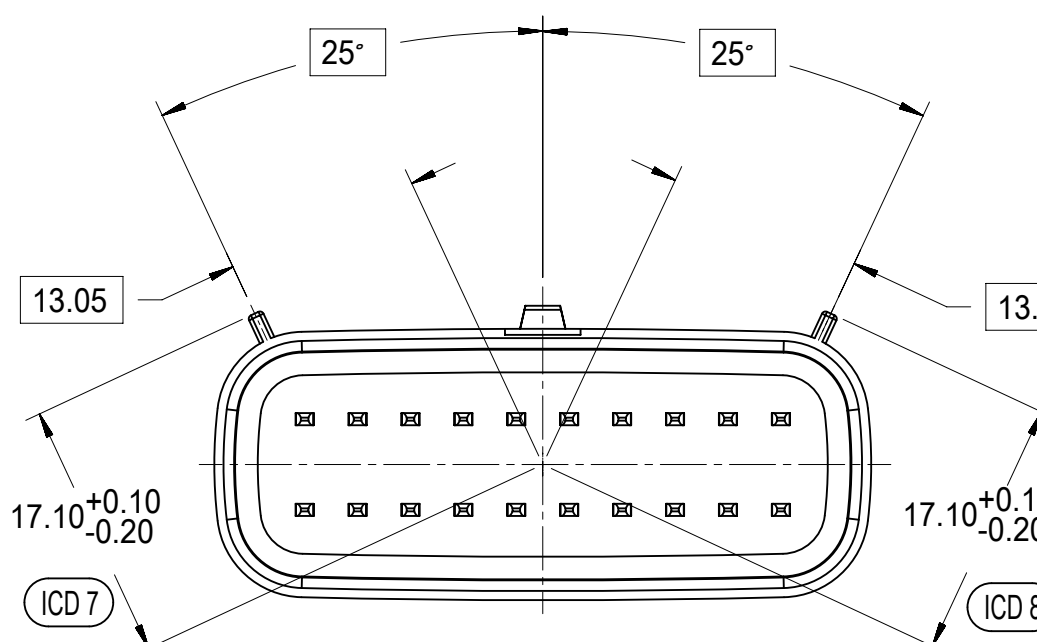
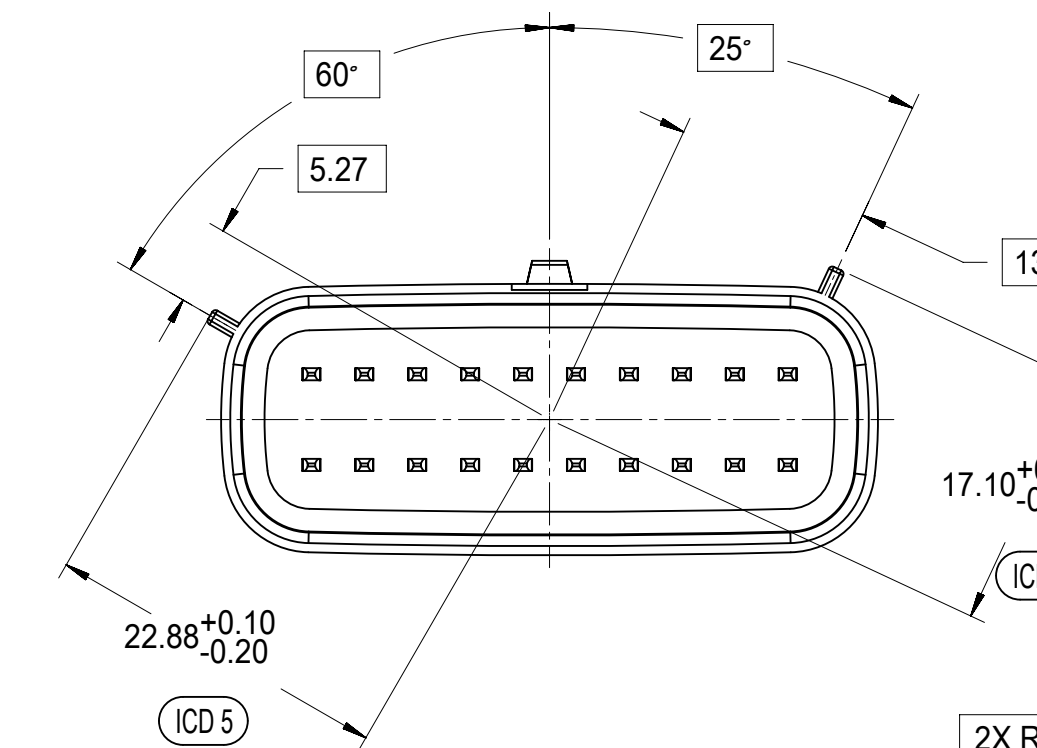
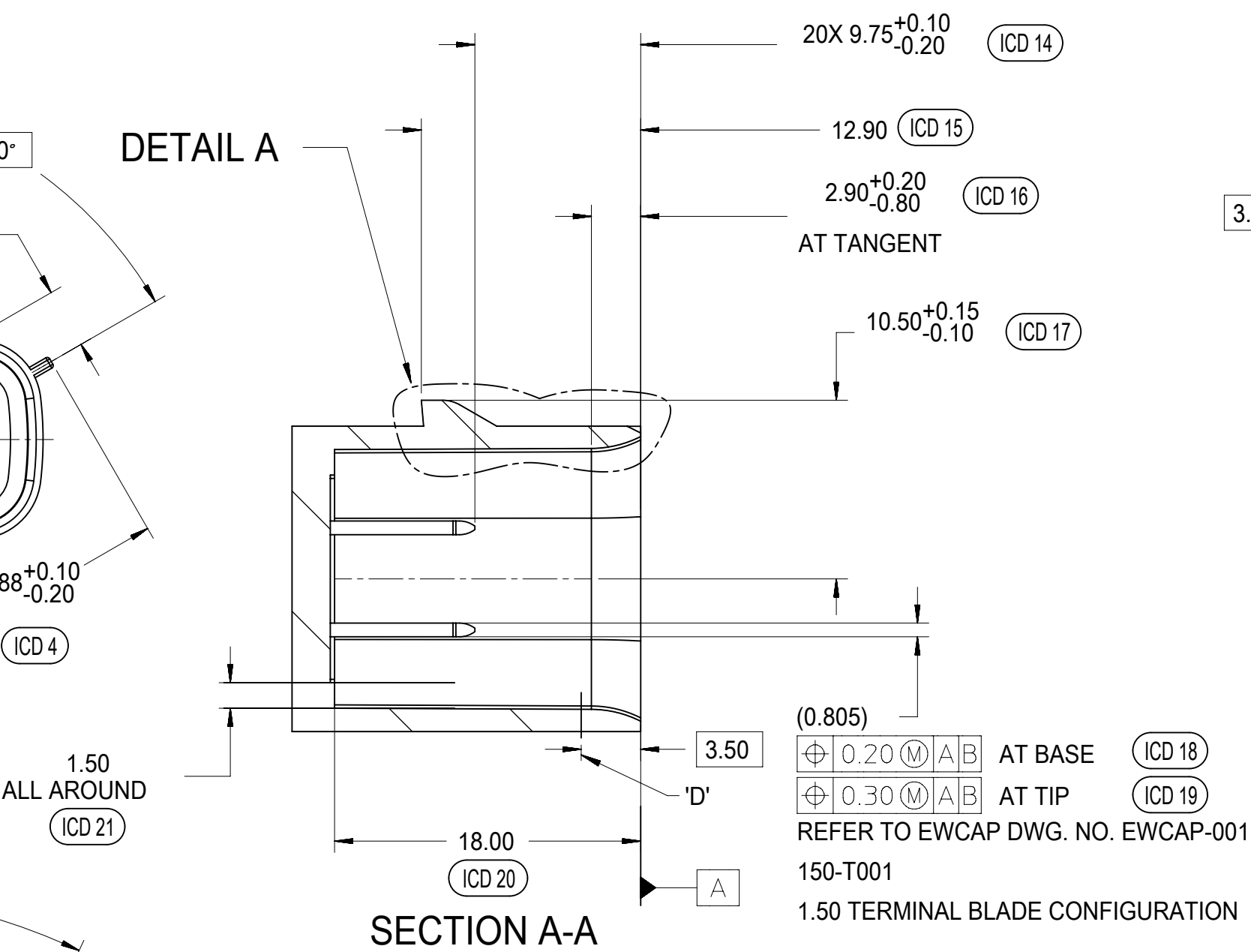
RELEASE DATE

2018/02/16

22:02:25



DETAIL A



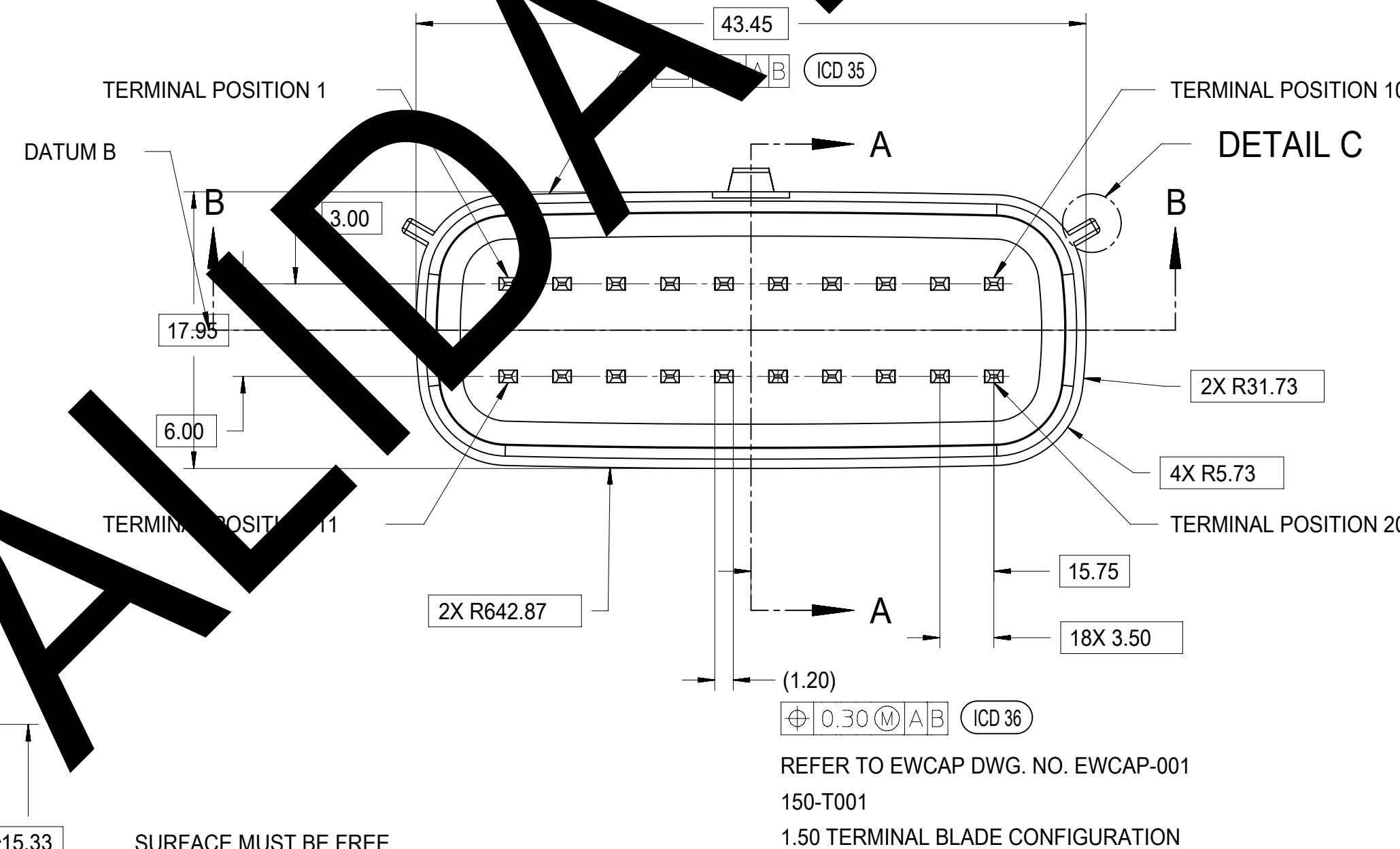
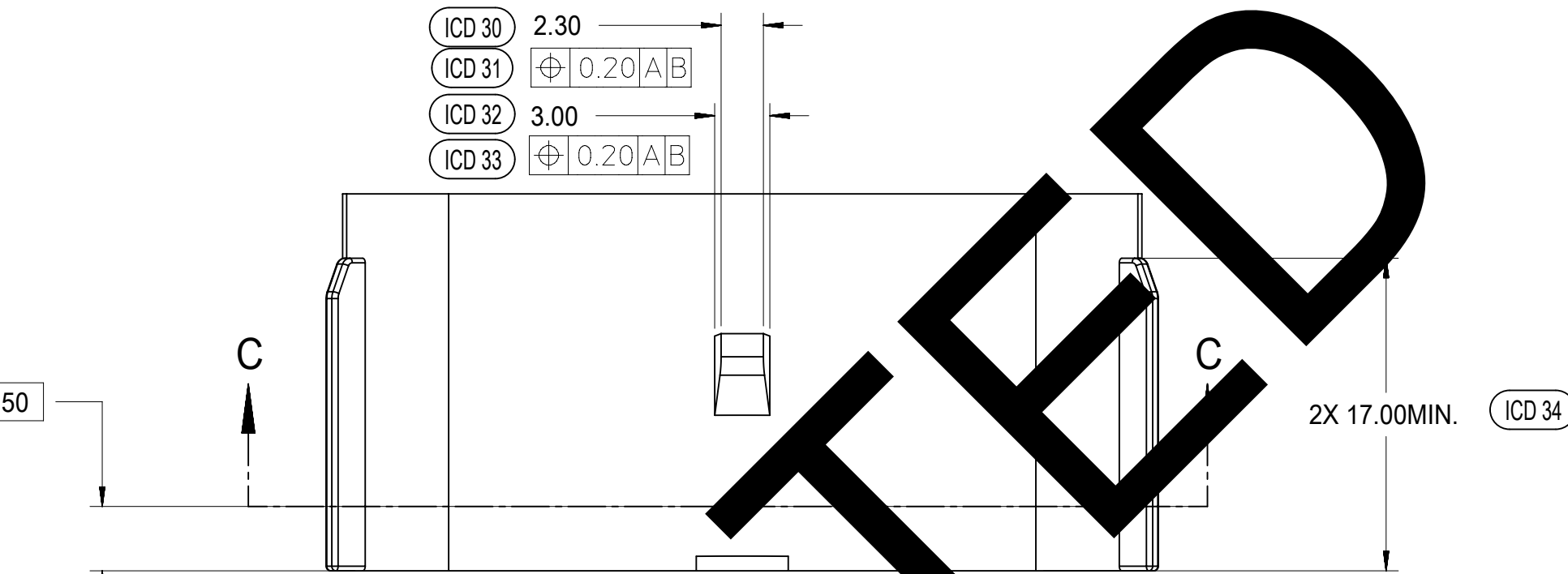
150-S-020-2-D02	D	STONE GRAY
150-S-020-2-C02	C	DK GRAY
150-S-020-2-B02	B	LT GRAY
150-S-020-2-A02	A	BLACK
P/N	OPTION	MATING CONNECTOR COLOR

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16	22:02:25
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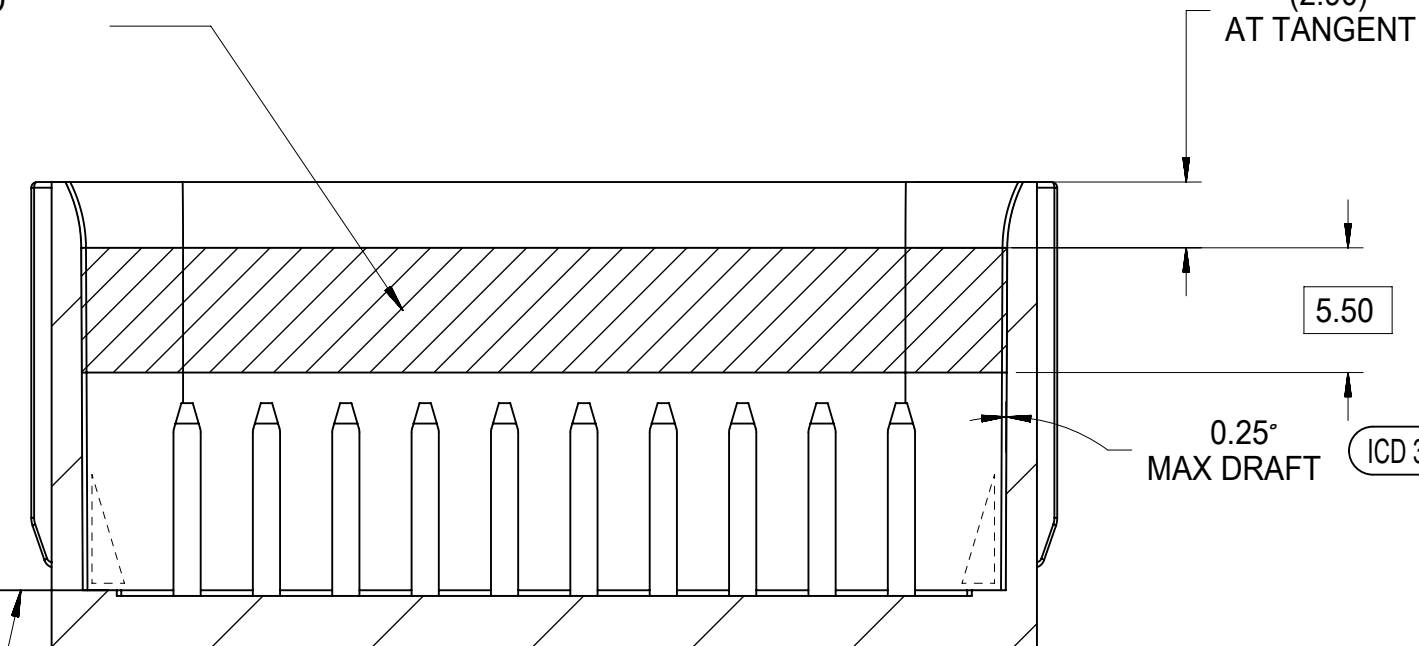
DETAIL C

SCALE 20:1

APPLIES 2X
SEE KEYING OPTION VIEWS
FOR POSITIONS



SURFACE MUST BE FREE
OF SURFACE DEFECTS AND
PARTING LINES FOR
SEALING ALL AROUND



SECTION B-B

SYMBOLS	DIMENSION UNITS	SCALE
	mm	1:1
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL	± 1.0°
	4 PLACES	±
	3 PLACES	±
	2 PLACES	± 0.1
	1 PLACE	± 0.2
	0 PLACES	±
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

MATING INTERFACE NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - DESIGNED TO MATE WITH MOLEX CONNECTOR 33472-2XXX & 160008-0XXX & 160074-0XXX
 - A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO 'SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES' FOR ADDITIONAL INFORMATION
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
 - FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - BURN RATE 100mm/MIN MAXIMUM
 - MATERIAL MUST BE SELF EXTINGUISHING
- MATERIALS:
 - MATERIAL: SPS/NYLON GF20, REGRIND 20% MAX BY WEIGHT
 - STANDARD COLORS FOR POLARIZATION (SEE KEYING OPTIONS TABLE). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON
 - FOR BLADE BASE MATERIAL, PLATING AND PROCESS LUBRICANT:
 - TIN: - BASE MATERIAL: COPPER ALLOY, CONDUCTIVITY >=60% IACS AT 20°C; TENSILE STRENGTH >= 410 N/mm² - BARRIER MATERIAL: NICKEL DEPOSIT FROM NICKEL SULFAMATE PLATING SOLUTION W/O ANY ADDITIVES THICKNESS: 1.25 - 2.25 MICROMETERS
 - TOP LAYER: 100% ELECTRO-DEPOSITED TIN, MATTE FINISH THICKNESS: 2.5 - 4.0 MICROMETERS
 - SILVER: - BARRIER MATERIAL: ELECTRO-DEPOSITED DUCTILE SULPHAMATE NICKEL THICKNESS: 1.25 - 2.25 MICROMETERS
 - TOP LAYER: ELECTRO-DEPOSITED SEMI-BRIGHT PURE SILVER (0.5% MAX IMPURITIES) OVER NICKEL ANTI-TARNISH TREATMENT EVERBRIGHT WS THICKNESS: 1.9 - 3.3 MICROMETERS
 - BLADES MUST CONFORM TO ES-40000-5007, EXCEPT FOR SPECULAR REFLECTIVITY - SECTION 6.0
 - ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE ITS ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE USCAR-2 FOR 1008 HOURS, PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER
 - INFORMATION FOR BLADE DESIGN WAS DEVELOPED FROM EWCAP DWG: EWCAP-001
- GEOMETRY:
 - 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.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - GENERAL TOLERANCES: SEE TITLE BLOCK
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- MANUFACTURING:
 - DRAFT TO BE WITHIN TOLERANCE. PLUS DRAFT - INDICATES A DIMENSION REPRESENTS THE SMALLEST SIZE OF A FEATURE. DRAFT WILL ADD MATERIAL. MINUS DRAFT - INDICATES A DIMENSION REPRESENTS THE LARGEST SIZE OF A FEATURE. DRAFT WILL REMOVE MATERIAL.
 - ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
 - ALLOWABLE SPLIT/PARTING LINE MISMATCH 0.2 MAX.
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
 - NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING
 - NO PARTING LINES, NO DRAFT, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN SEALING SURFACE. SEALING SURFACE TOOLING TO BE PROCESSED

CURRENT REV DESC:

EC NO:	171650	
DRWN:	DDEB	2018/01/19
CHK'D:	MVANSLAMBROU	2018/02/16
APPR:	MVANSLAMBROU	2018/02/16
INITIAL REVISION:		
DRWN:	APROFFITT	2014/05/14
APPR:	VKOSHY	2014/06/27

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A1-SIZE	33472

molex

MX150 RCPT
DUAL ROW SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33472-0001	PSD	001	C2
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
	GENERAL MARKET	11 OF 11	

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	SCHLEMMER BACKSHELL DETAIL
4	MOLEX BACKSHELL DETAIL

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN SD-33472-0001.
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
- b. MOLEX PRODUCT SPECIFICATION SEE: TBD
- BACKSHELL DESIGN IS OWNED BY MOLEX.
- c. OUTSOURCED MFG PRODUCT SPECIFICATION
- BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
 - THESE PRODUCTS ARE ONE TIME USE ONLY.
 - REMOVAL FORCE OF THE BACKSHELL FROM THE MOLEX CONNECTOR TO BE 100N MIN.
 - REMOVAL FORCE OF SLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
 - REMOVAL FORCE OF UNSLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
- d. PACKAGING SPECIFICATION: SEE BOM
- e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
- f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- g. FOLLOWING PRODUCTION CODES TO BE PRESENT
- DATE CODE
 - MOLD CAVITY CODE
 - MOLEX LOGO
 - RECYCLE CODE
 - SUPPLIER PART NUMBER - SCHLEMMER PARTS ONLY
- h. CONNECTOR MUST HAVE CLIPSLOT FEATURE FOR USE WITH MOLEX BACKSHELLS

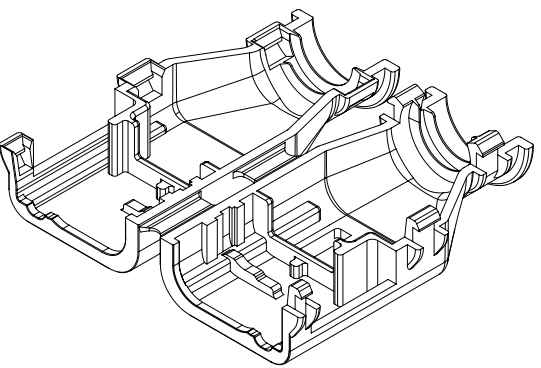
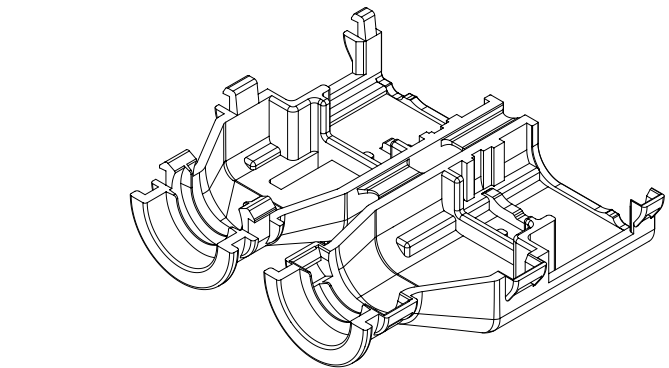
2. DESIGN - MATERIALS:

- a. PA66 0% GLASS FILLED
- b. BLACK

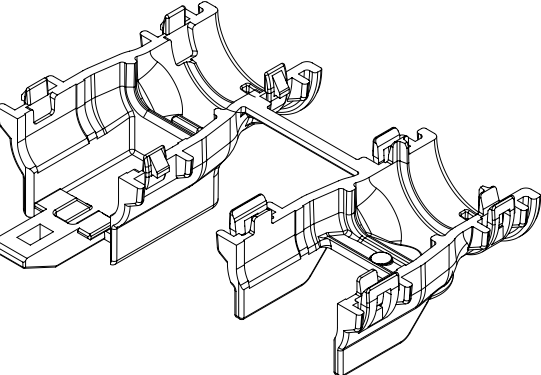
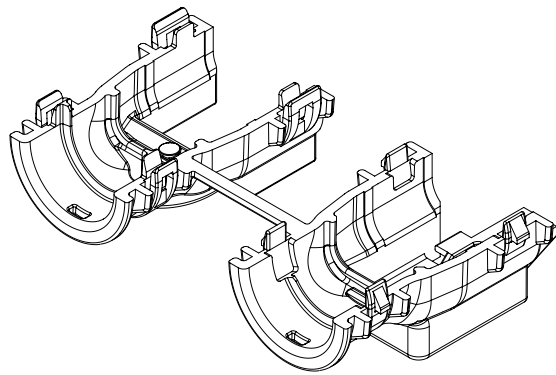
3. DESIGN GEOMETRY:

- 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 - 2009.
- c. CORNERS SHOWN AS SHARP TO BE R 0.1.
- d. VISUAL DEFECTS SHALL MEET COSMETEIC STANDARD PS-45499-002 (CLASS C).
- e. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

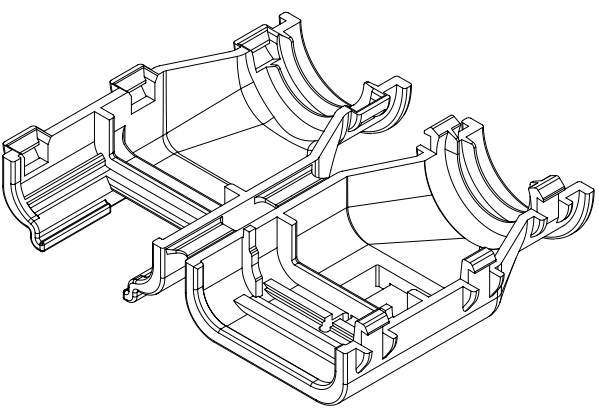
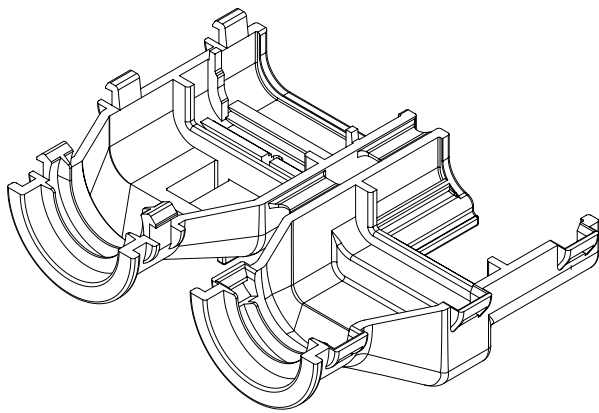
BILL OF MATERIALS (BOM)								
DESCRIPTION	PART NUMBER	CIRCUIT SIZE	COLOR	RIBS	CONVOLUTE SIZE	PACKAGING DRAWING NUMBER	STATUS	MANUFACTURER
2X3, WITH RIB	34951-0610	2X3	BLACK	YES	9 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED MFG
2X3, WITHOUT RIB	34951-0620	2X3	BLACK	NO	9 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED MFG
2X4, WITH RIB	34951-0811	2X4	BLACK	YES	NW 12 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X4, WITHOUT RIB	34951-0821	2X4	BLACK	NO	NW 12 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X6, WITH RIB	34951-1210	2X6	BLACK	YES	13 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED MFG
2X6, WITHOUT RIB	34951-1220	2X6	BLACK	NO	13 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED MFG
2X8, WITH RIB	34951-1611	2X8	BLACK	YES	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X8, WITHOUT RIB	34951-1621	2X8	BLACK	NO	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X10, WITH RIB	34951-2011	2X10	BLACK	YES	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX
2X10, WITHOUT RIB	34951-2021	2X10	BLACK	NO	NW 16 SCHLEMMER	349509000 PDD	SALEABLE	MOLEX



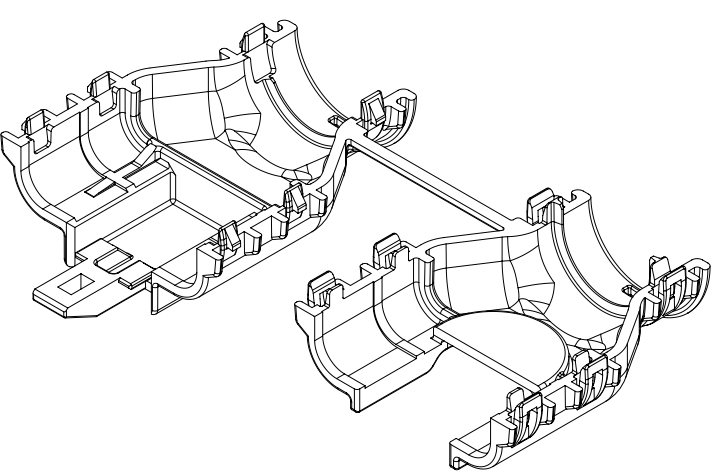
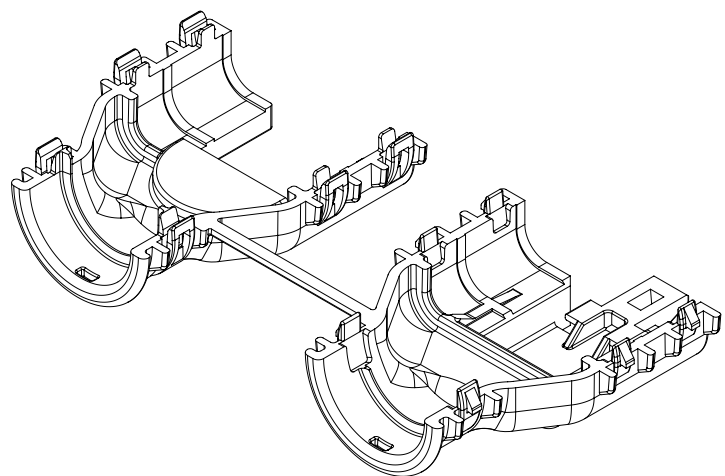
2X3 RECEPTACLE



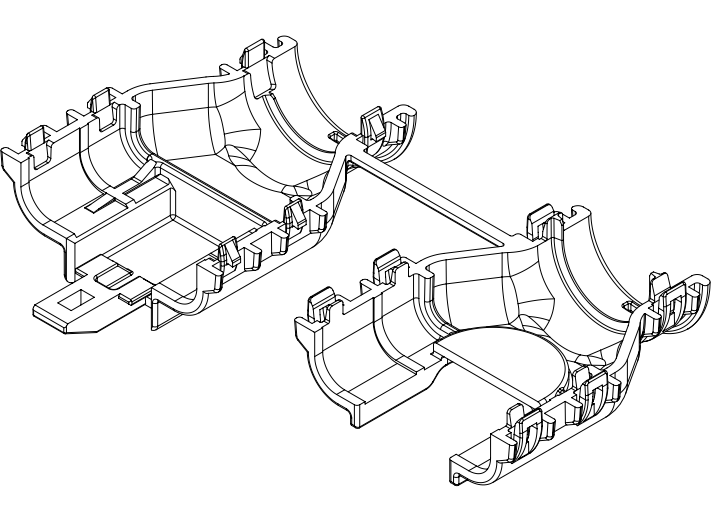
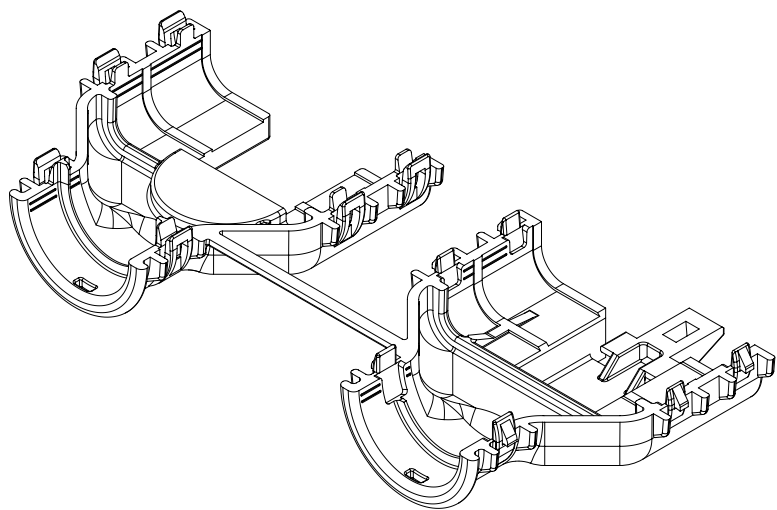
2X4 RECEPTACLE



2X6 RECEPTACLE



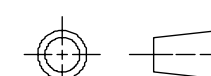
2X8 RECEPTACLE



2X10 RECEPTACLE

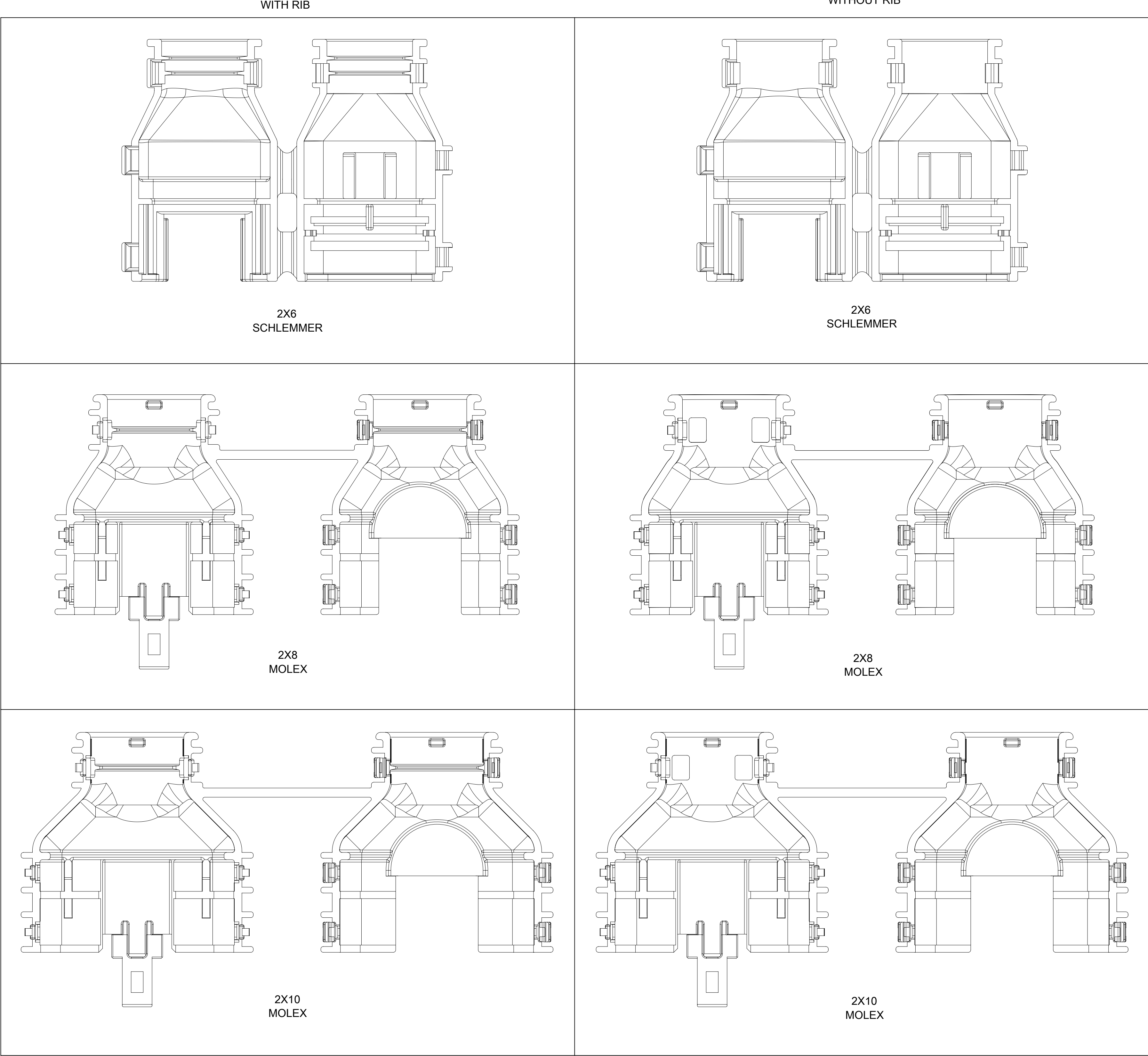
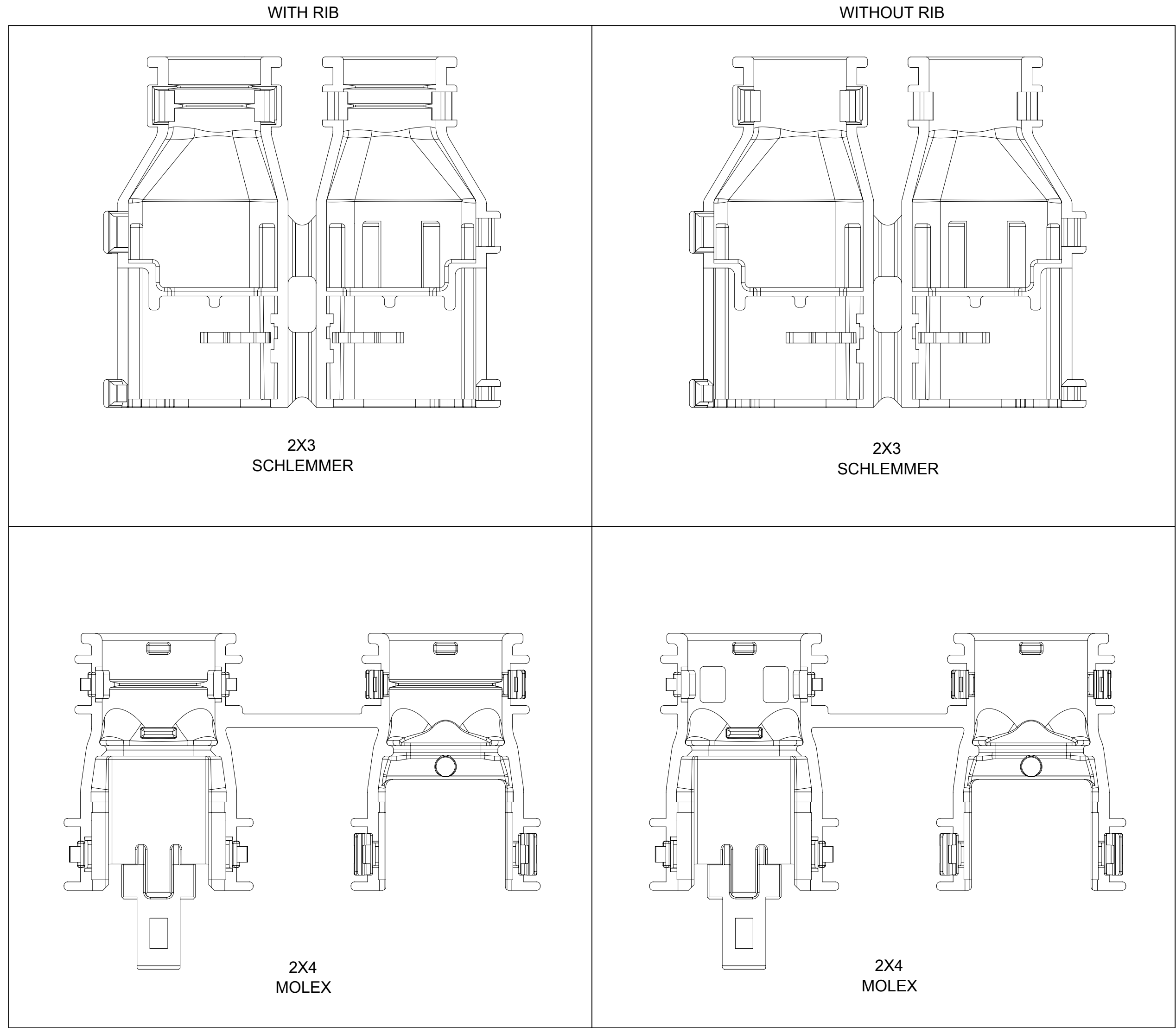
B10	ADDED BALLOON NUMBER TO PAGE 3 -SCHLEMMER PAGE
B9	CHANGED PARTS STATUS TO SALEABLE
B8	ADDED BALLOON NO. 90
B7	UPDATED BALLON NUMBERS
B6	UPDATED RIB AND WEDGE FEATURES
B3	UPDATED TOLERANCES
B2	ADDED BALLOONS & UPDATED BOM
B1	ADDED MOLEX PART NUMBERS
B	MIGRATION
A6	UPDATED BILL OF MATERIALS
A5	UPDATED STATUS COLUMN
A4	MINOR NOMENCLATURE CLEAN UP
A3	UPDATED VIEWSET & NOTES
A2	UPDATED REFERENCE DRAWINGS
A1	UPDATED NOTES
A	INITIAL RELEASE
REV	REV DESCRIPTION

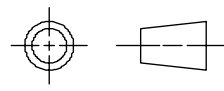
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LAST NUMBER: 1 - 5
ADDED: 40 42 44 46 48 49 89 90
50 67
REMOVED: 40 44

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EC NO: 632862 DRWN: PPALLAN CHKD: MYANSLAMBROU REV: APPR: MYANSLAMBROU	2020/02/20 2020/02/26 2020/02/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®															
				mm		1:1																	
		ANGULAR TOL ± 3.0 °		DAHALL				2013/03/27				MX150 DUAL ROW RECPT BACKSHELLS											
		4 PLACES ±		CHK'D BY				DATE															
		3 PLACES ±																					
		2 PLACES ± 0.1		APPR BY				DATE				PRODUCT CUSTOMER DRAWING											
		1 PLACE ± 0.2		VKOSHY				2013/04/08															
		0 PLACES ±																					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER				CUSTOMER									
		A1				34951						GENERAL MARKET											
B10		REV						DOCUMENT NUMBER				SD-34951-0001				DOC TYPE		PSD		DOC PART		SHEET NUMBER	
																						1 OF 4	

SHEET DESCRIPTION

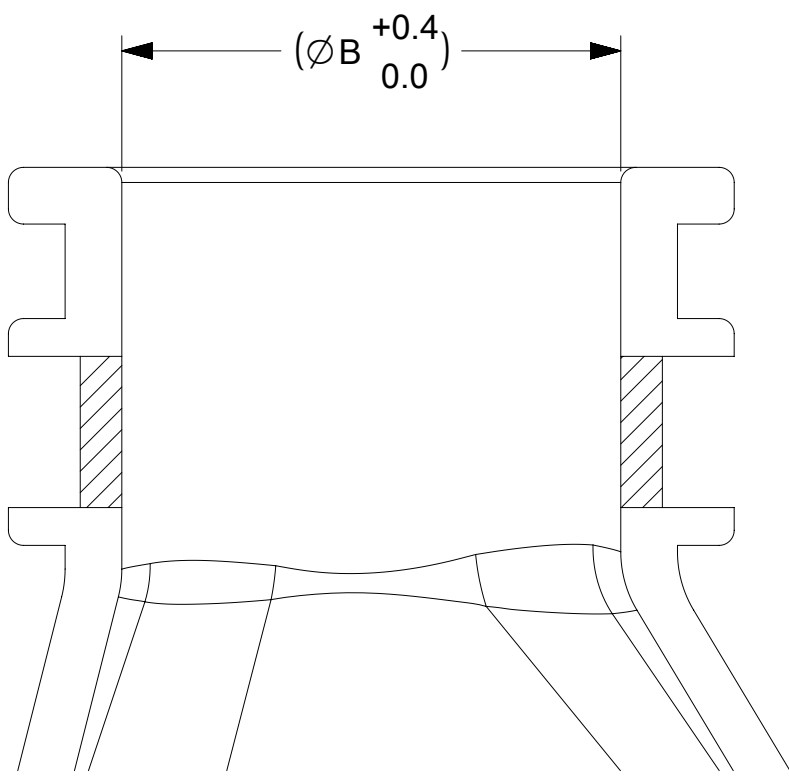
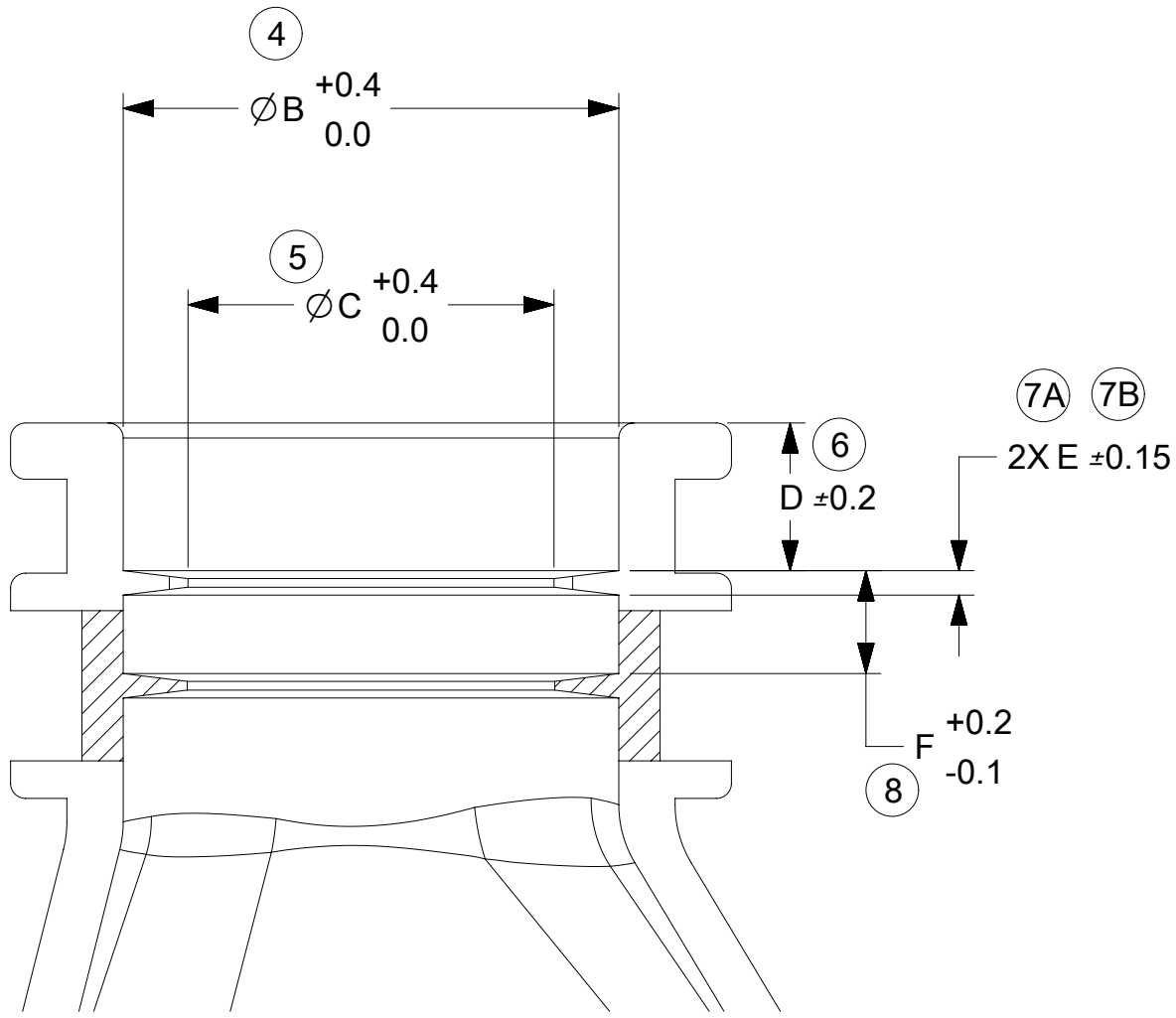
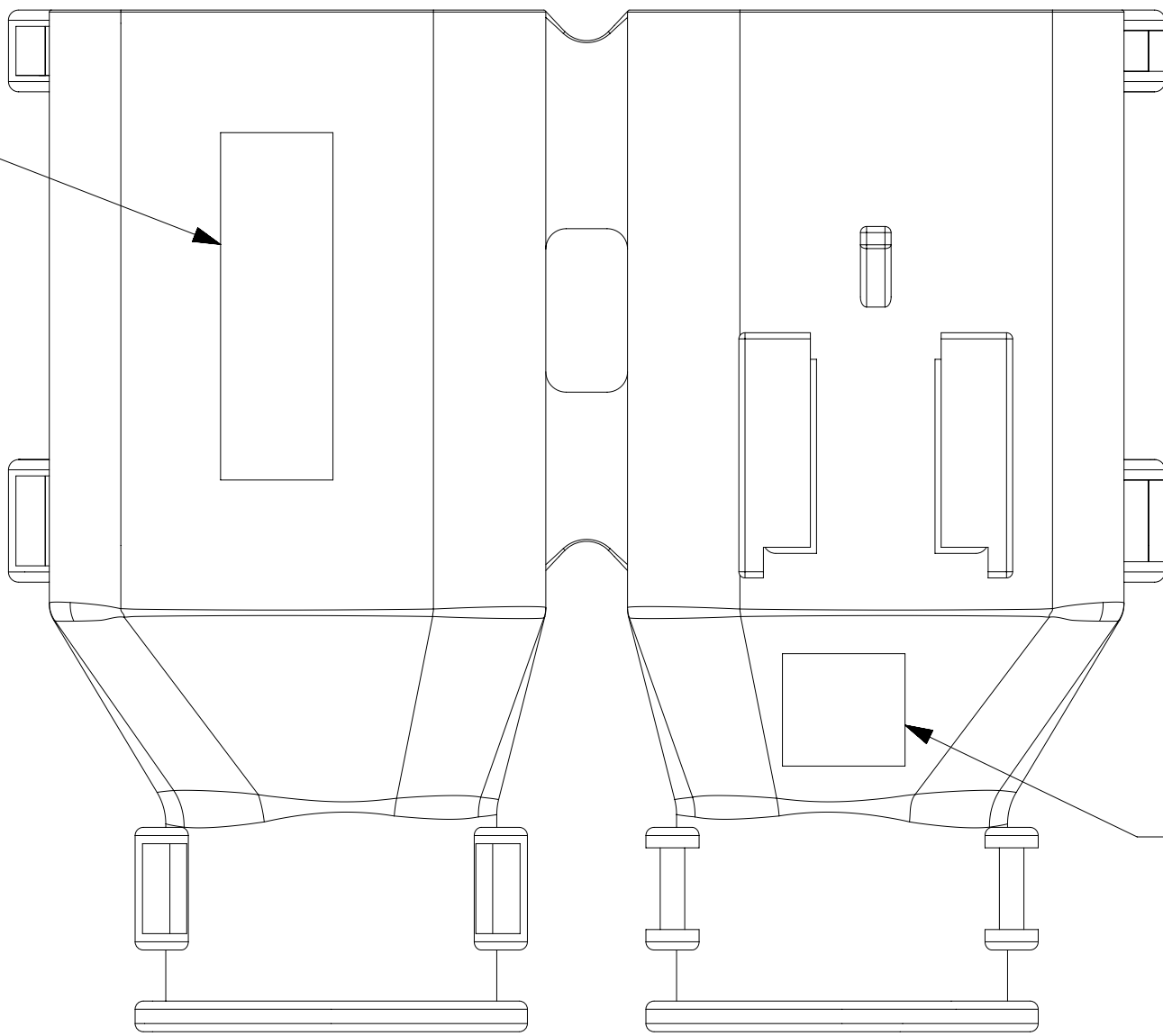
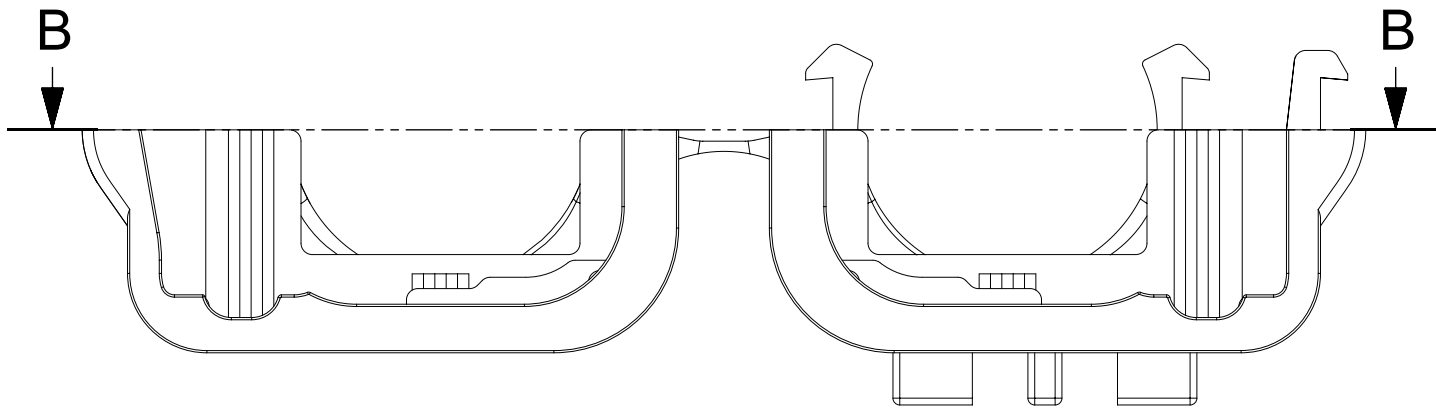
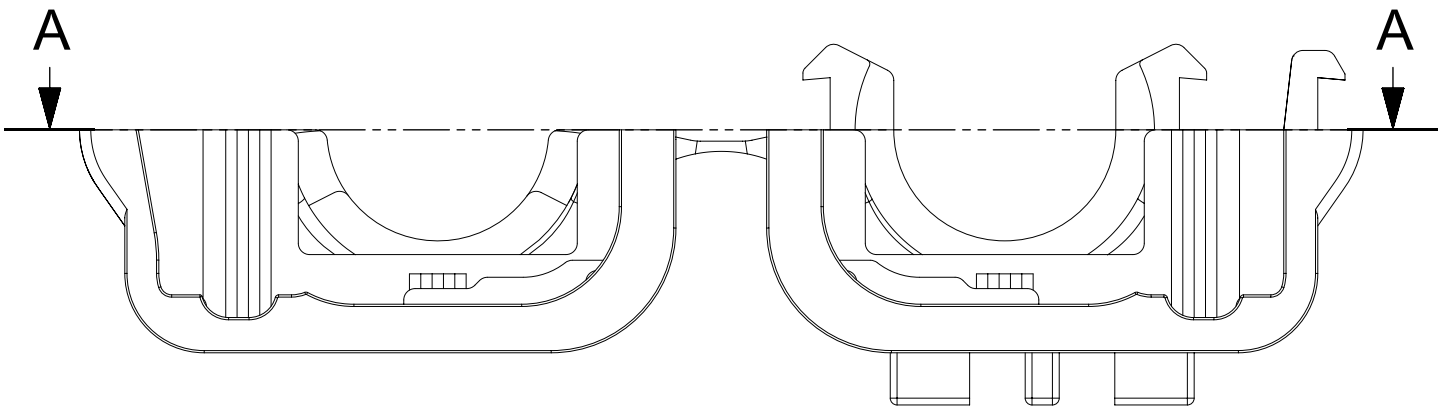
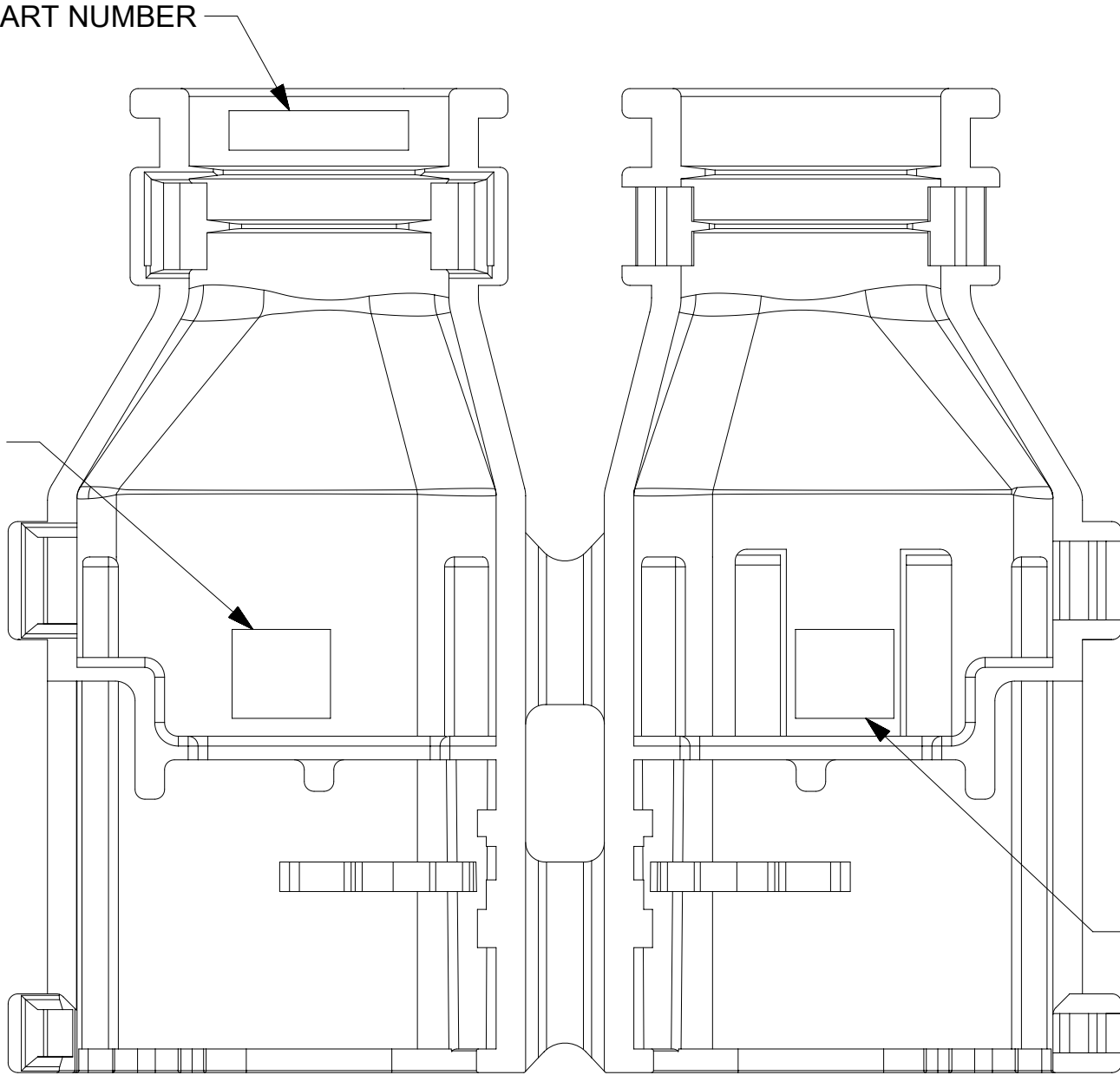
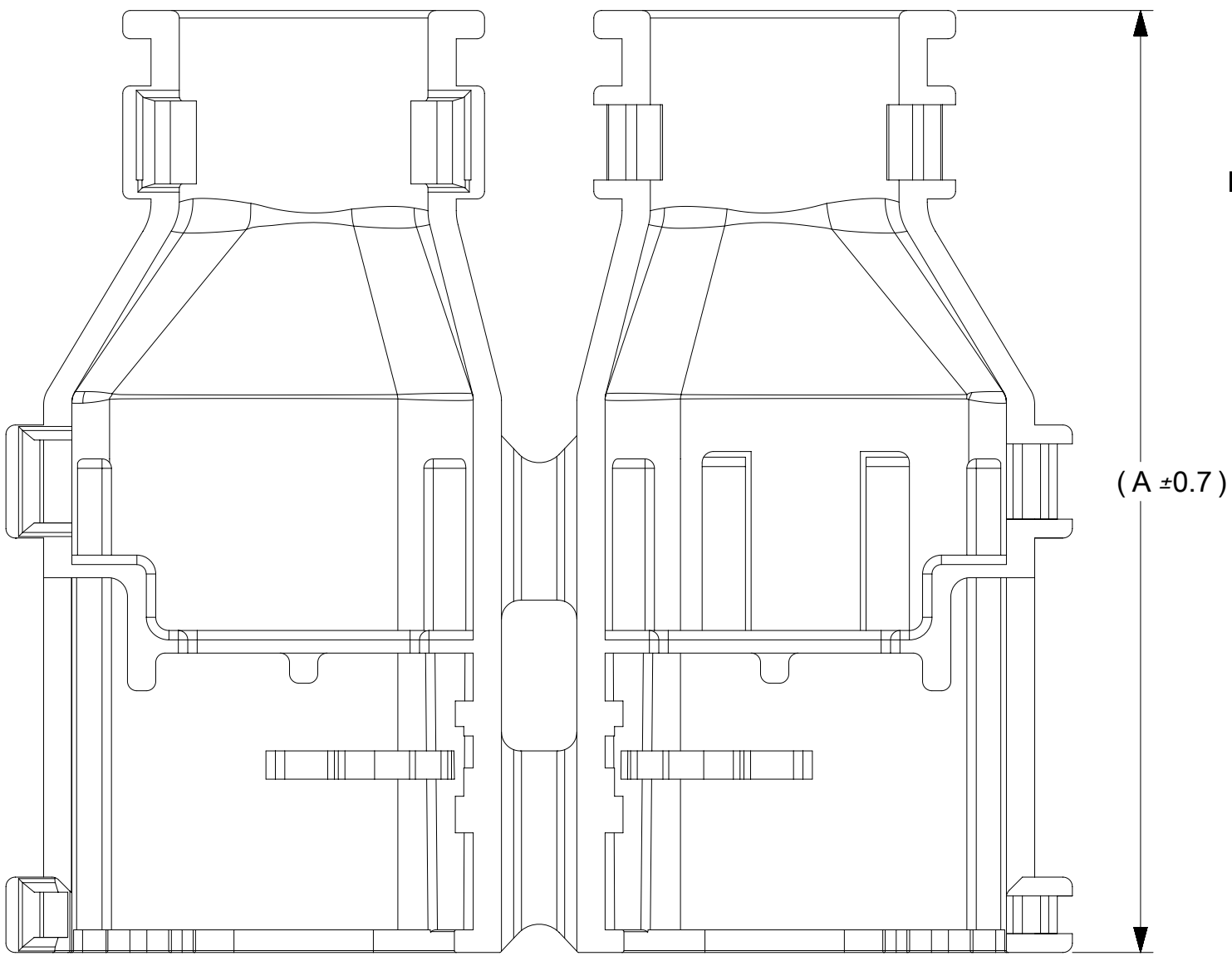
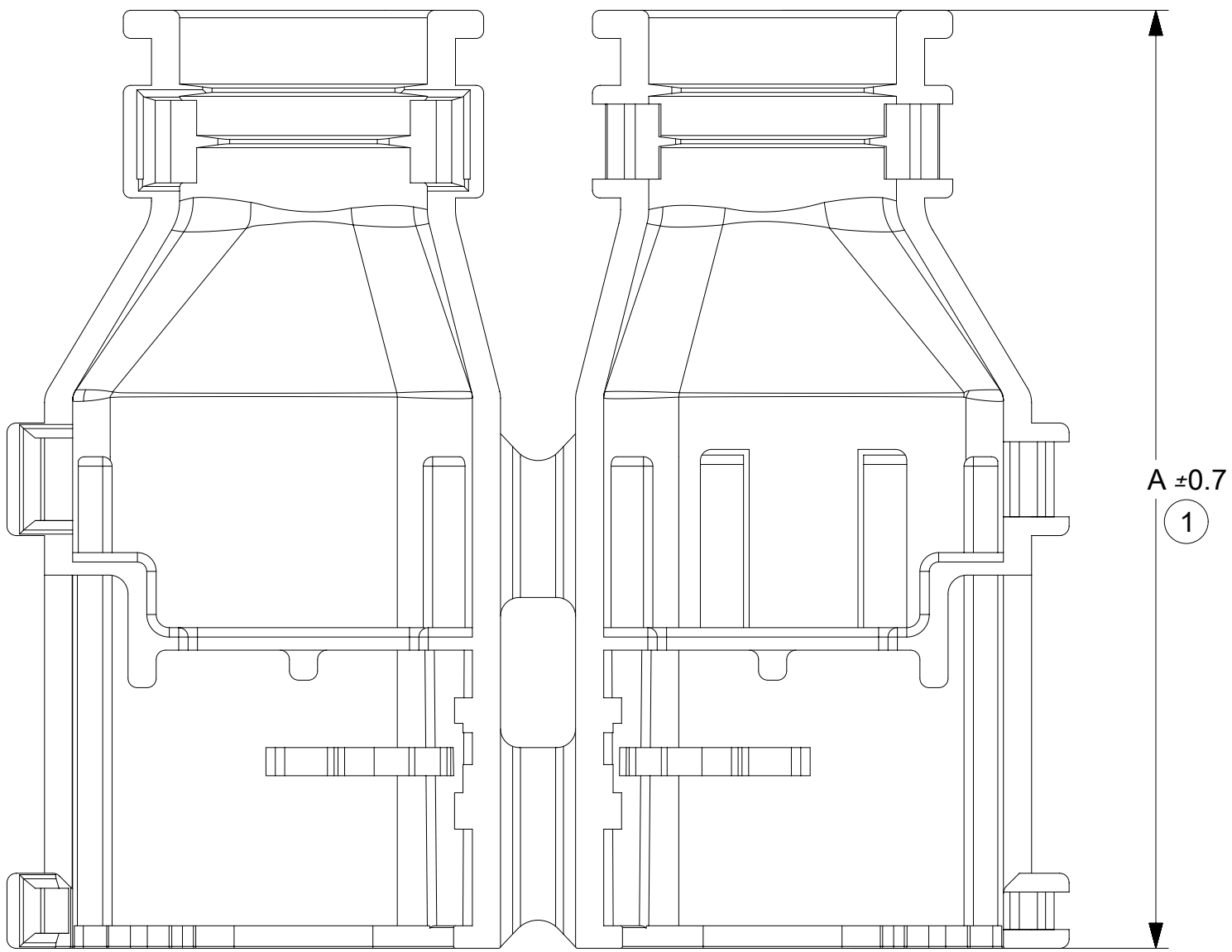
CONFIGURATIONS



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
EC NO: 632862 DRWN: PPALLAN CHKD: MYANSLAMBROU APPR: MYANSLAMBROU	2020/02/20 2020/02/26 2020/02/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex® MX150 DUAL ROW RECPT BACKSHELLS							
		mm		2:1									
		ANGULAR TOL ± 3.0 °		DAHALL	2013/03/27								
		4 PLACES ±		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING					
		3 PLACES ±		DATE									
		2 PLACES ± 0.1		APPR BY		DATE							
		1 PLACE ± 0.2		VKOSHY		2013/04/08		SERIES MATERIAL NUMBER CUSTOMER					
		0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				34951		GENERAL MARKET					
B10		REV	DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER				
			SD-34951-0001		PSD		001		2 OF 4				

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL DETAIL	

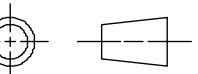
CHARTED DIMENSION						
DESCRIPTION	DIMENSIONS					
	A	B	C	D	E	F
2X3, WITH RIB	50.00	13.20	9.75	3.93	0.65	2.74
2X3, WITHOUT RIB	50.00	13.20	N/A	N/A	N/A	N/A
2X4, WITH RIB	TBD	TBD	TBD	TBD	TBD	TBD
2X4, WITHOUT RIB	TBD	TBD	TBD	TBD	TBD	TBD
2X6, WITH RIB	50.00	17.70	13.60	3.50	0.83	3.10
2X6, WITHOUT RIB	50.00	17.70	N/A	N/A	N/A	N/A



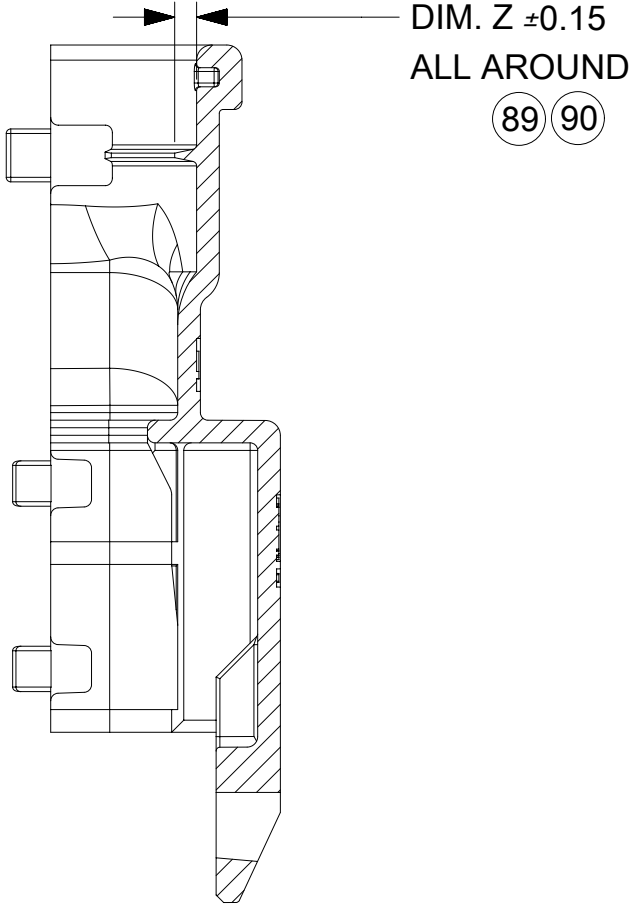
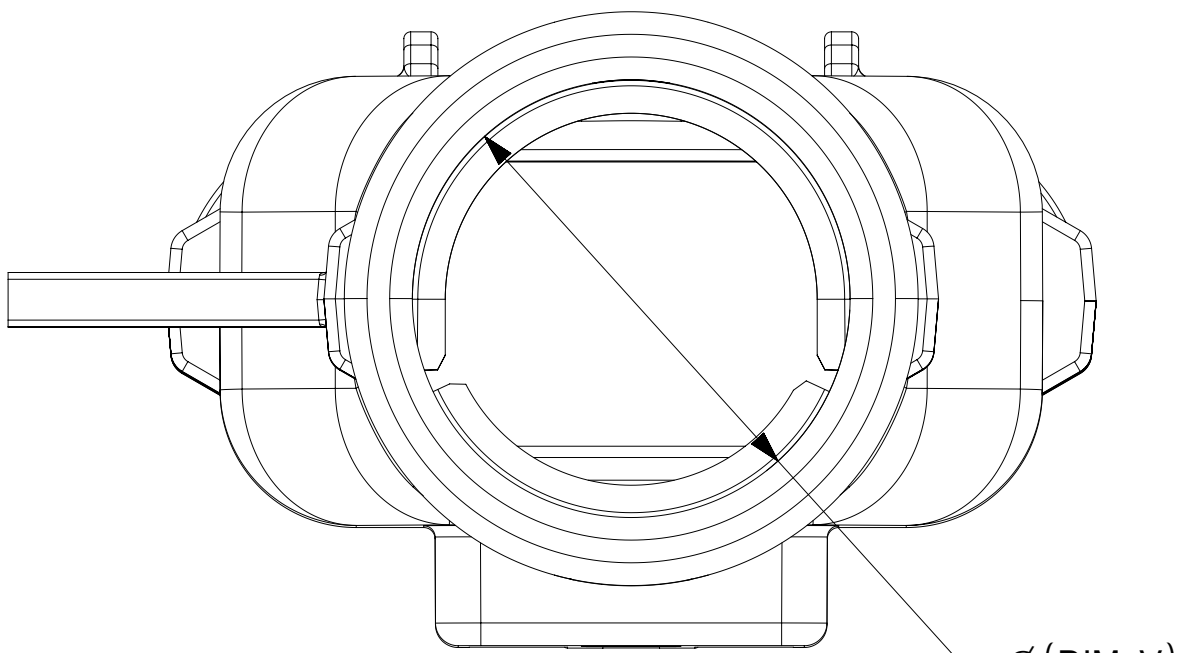
PARTIAL SECTION A-A
SCALE 5:1
WITH RIBS

PARTIAL SECTION B-B
SCALE 5:1
WITHOUT RIBS

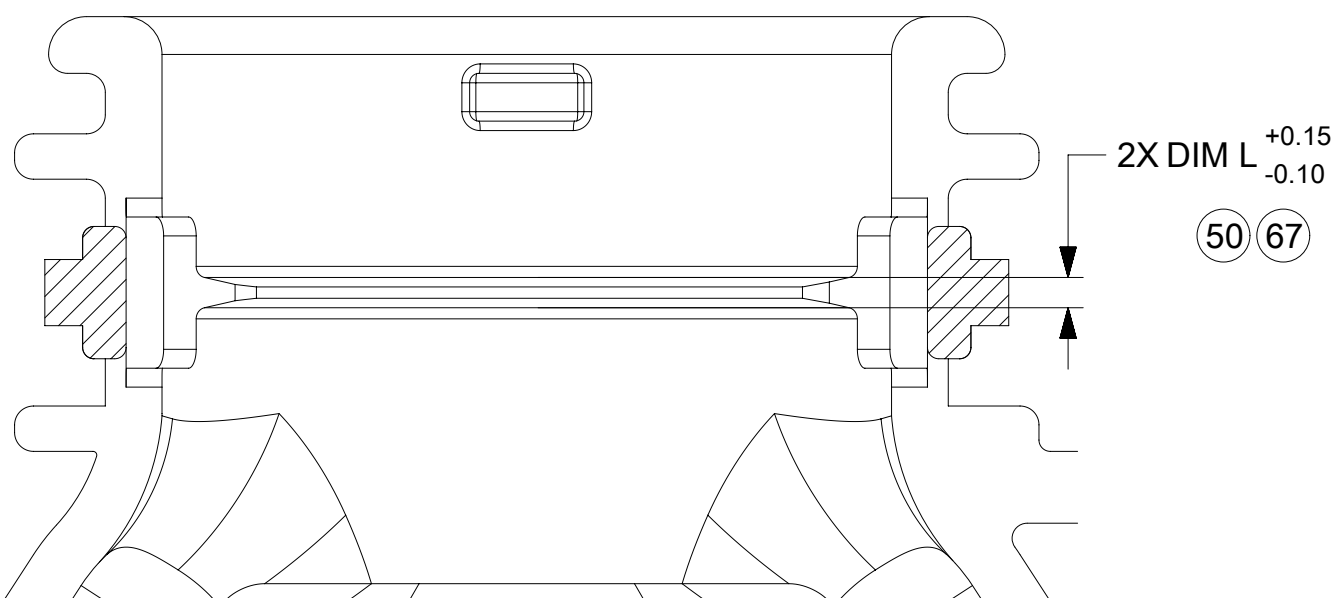
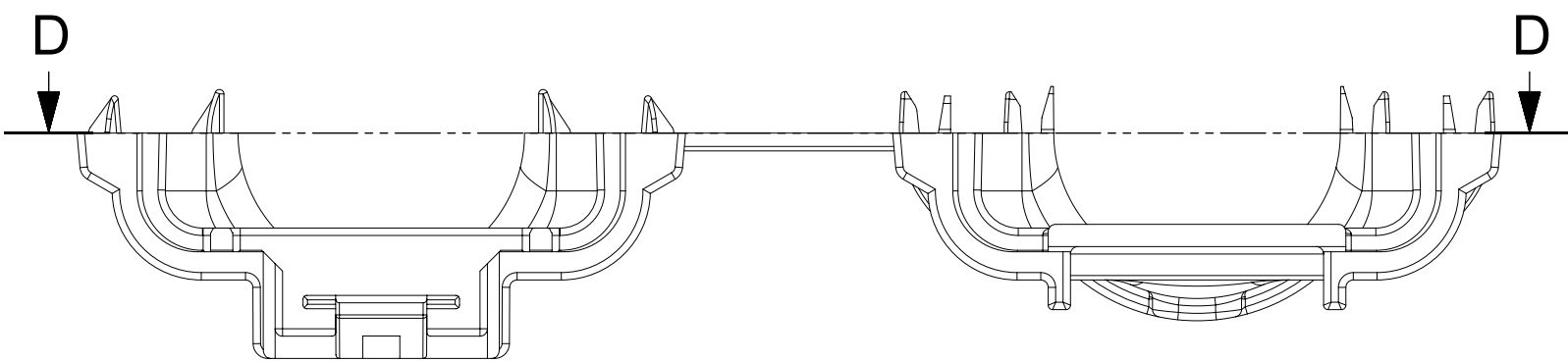
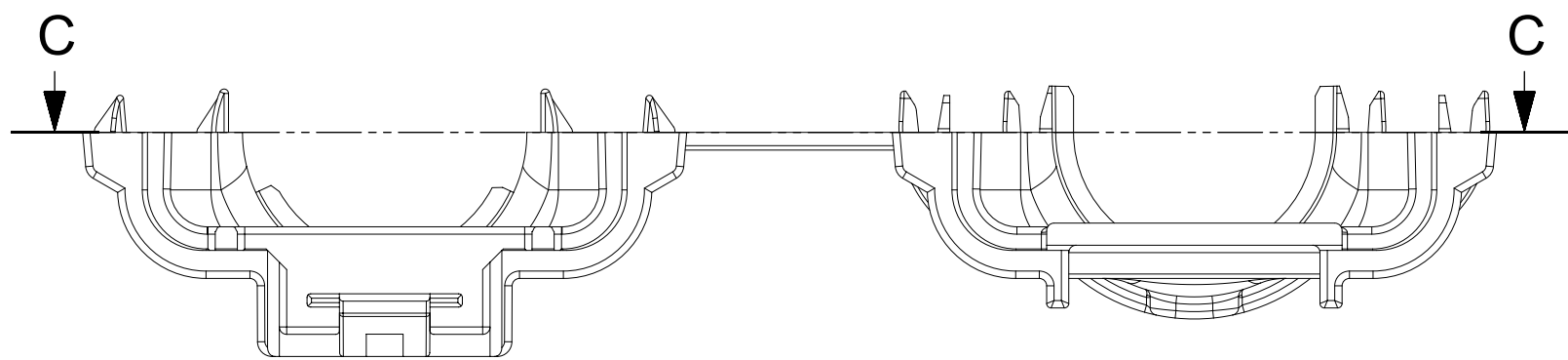
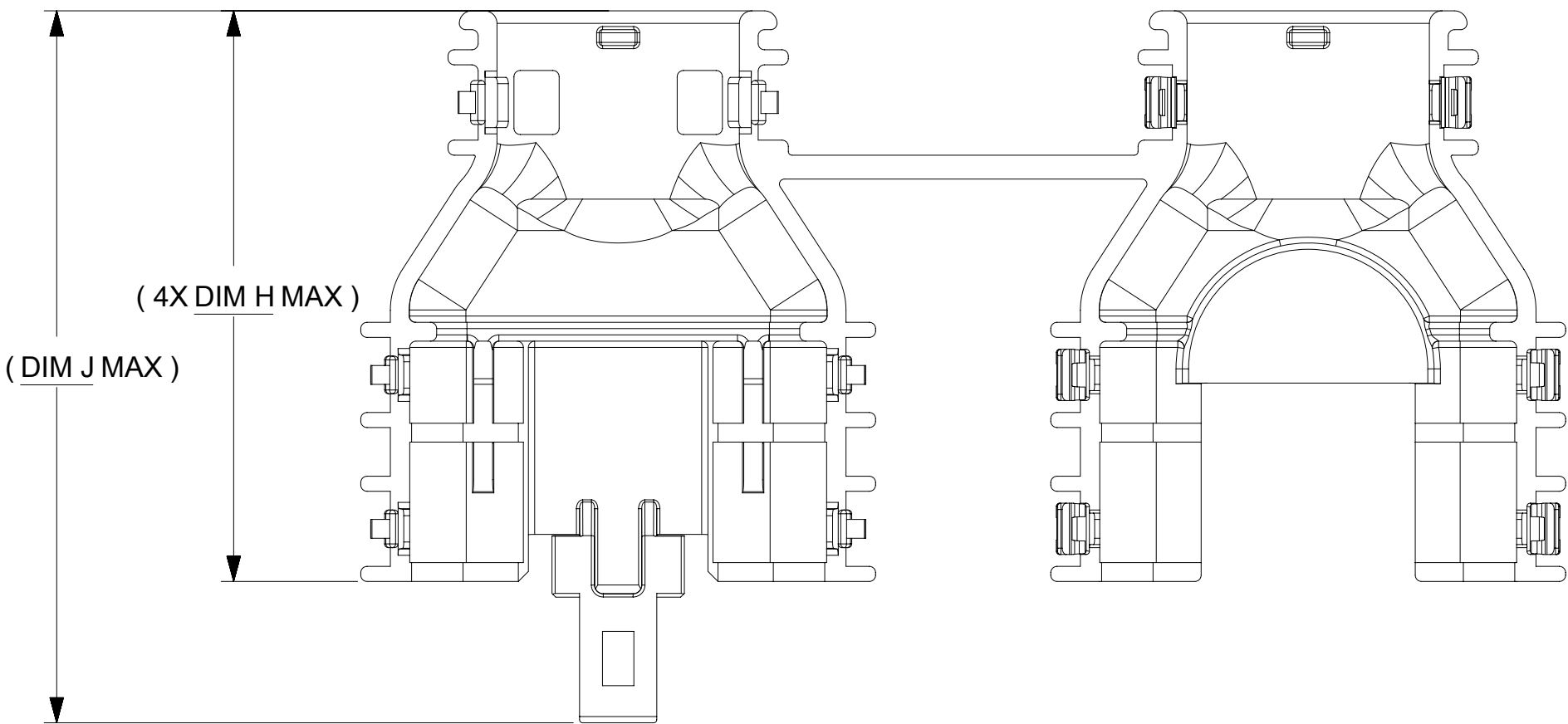
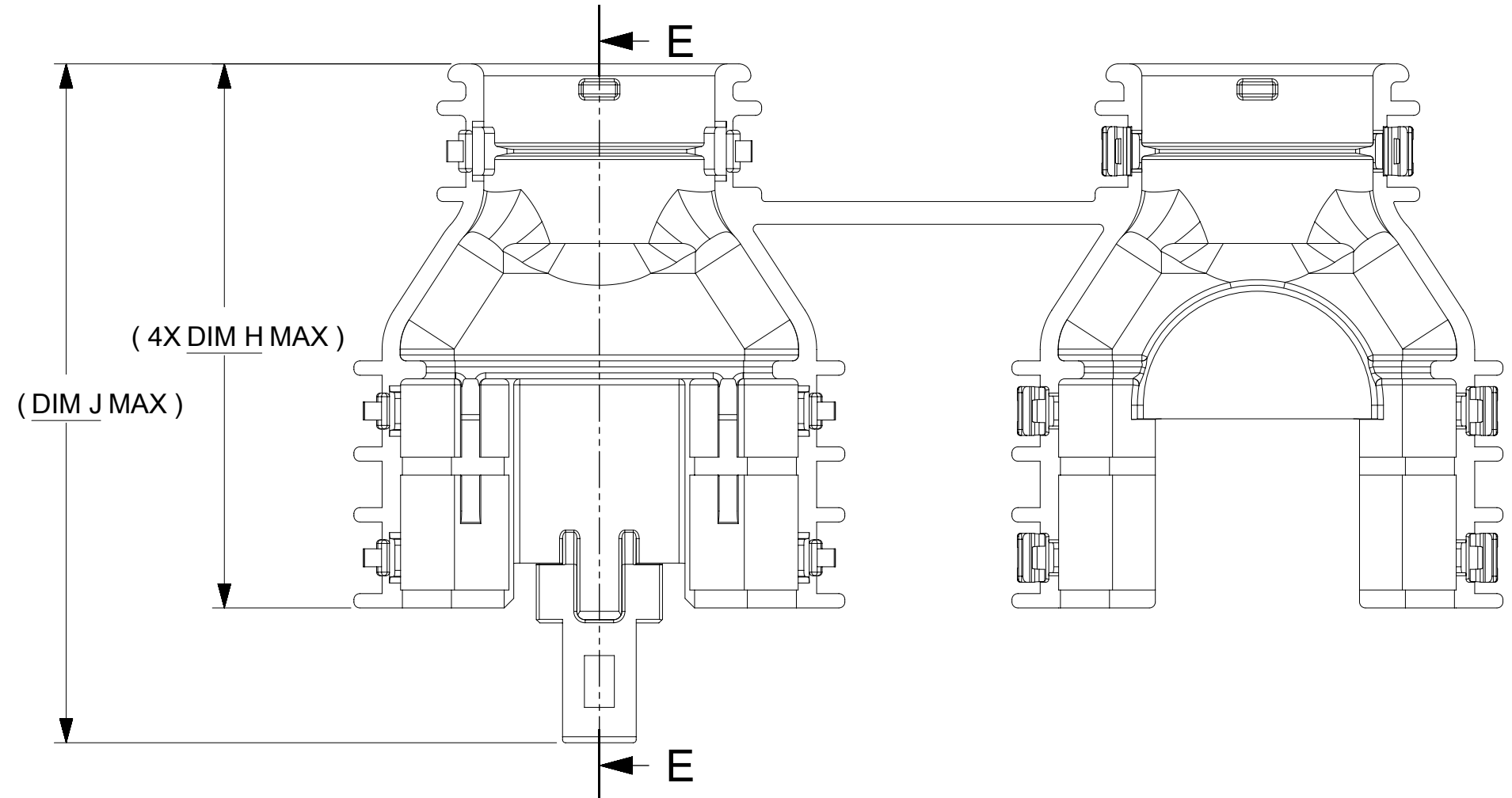
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

EC NO: 632862 DRWN: PPALLAN CHKD: MVANSIAMBROU APPR: MVANSIAMBROU	2020/02/20 2020/02/26 2020/02/26	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®						
				mm		3:1								
		ANGULAR TOL ± 3.0 °		DRWN BY		DATE		MX150 DUAL ROW RECPT BACKSHELLS						
		4 PLACES ±		DAHALL		2013/03/27								
		3 PLACES ±		CHK'D BY		DATE								
		2 PLACES ± 0.1		APPR BY		DATE								
		1 PLACE ± 0.2		VKOSHY		2013/04/08		PRODUCT CUSTOMER DRAWING						
		0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION								
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				SERIES		MATERIAL NUMBER		CUSTOMER		
								34951				GENERAL MARKET		
						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
B10		REV					SD-34951-0001		PSD		001		3 OF 4	

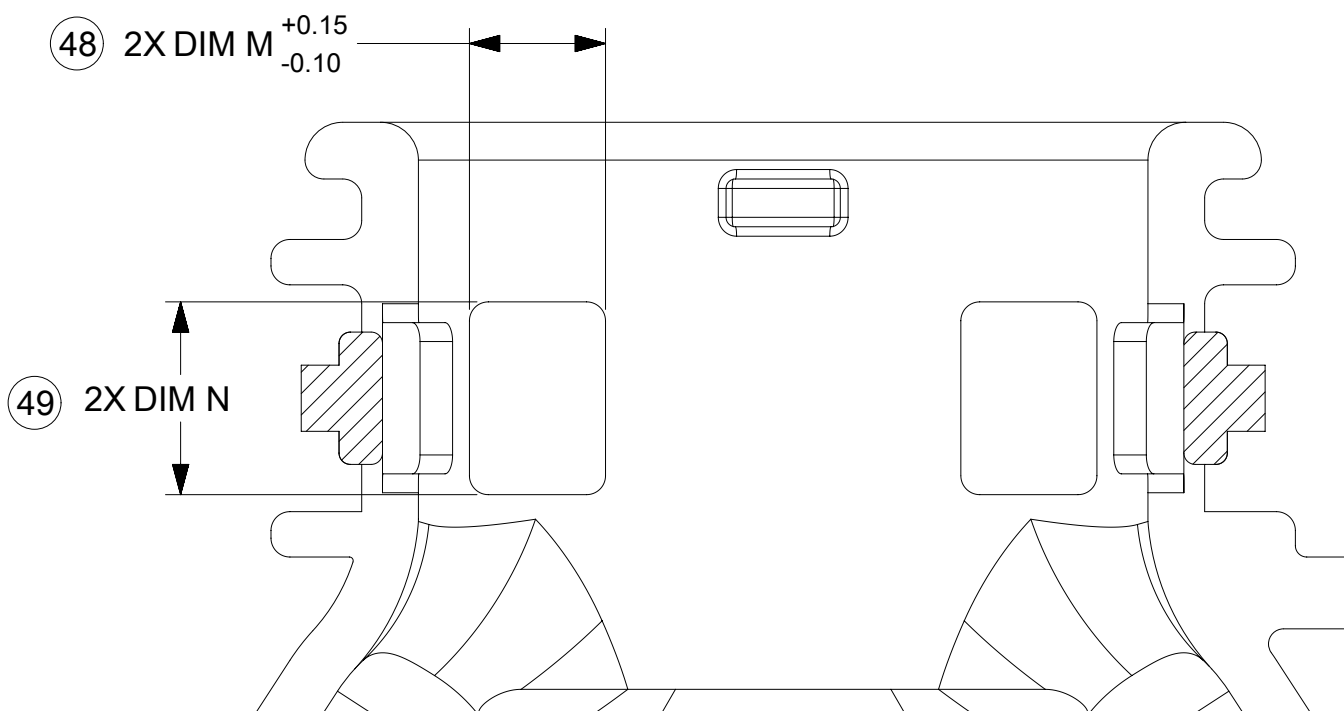
SHEET DESCRIPTION	
MOLEX BACKSHELL DETAIL	



SECTION E-E

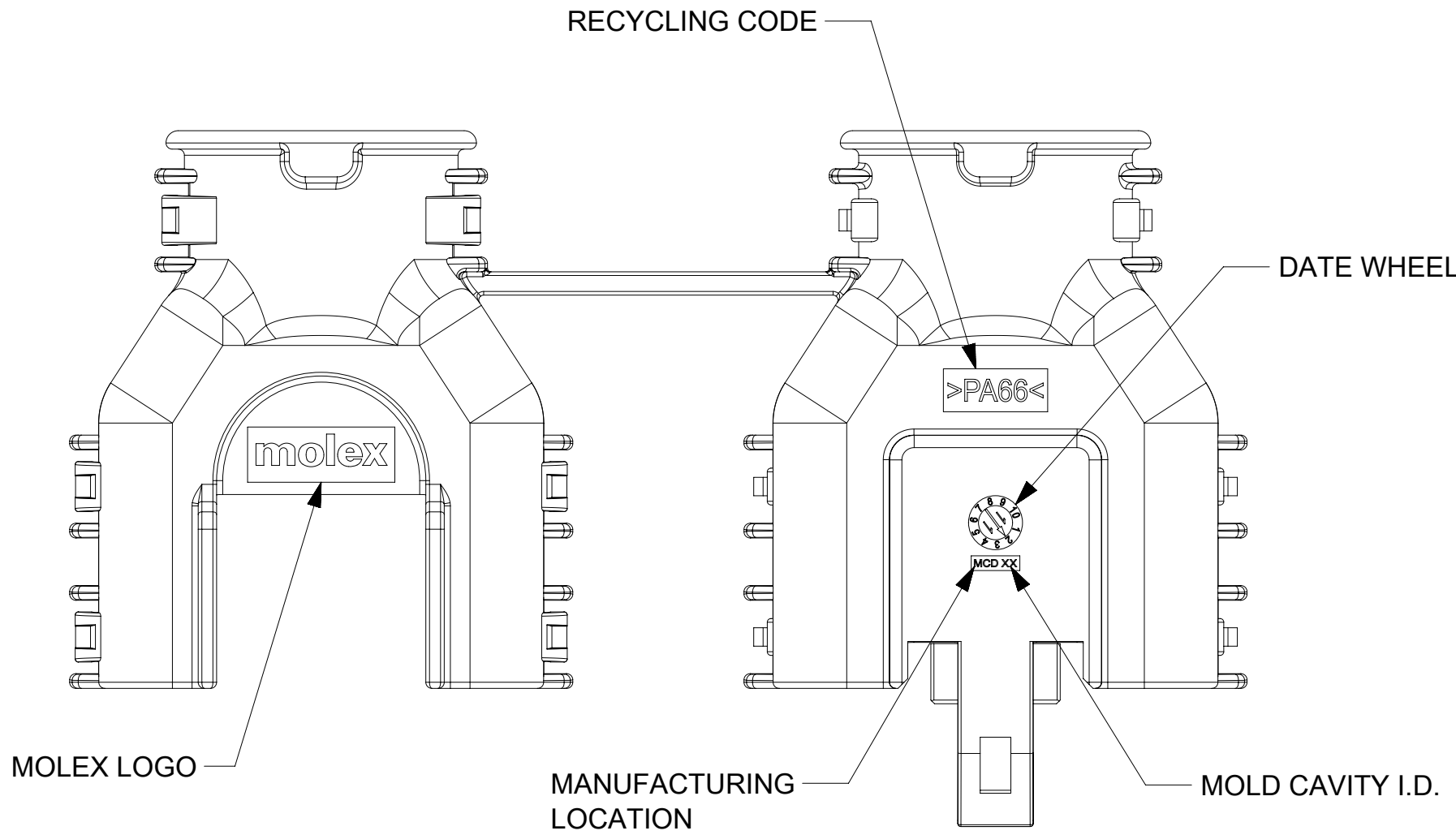


PARTIAL SECTION C-C
SCALE 5:1
WITH RIBS



PARTIAL SECTION D-D
SCALE 5:1
WITHOUT RIBS

DESCRIPTION	CHARTED DIMENSION							
	DIMENSIONS							
	V	H	J	K	L	M	N	Z
2X4, WITH RIB	16.10	36.80	48.11	16.10	0.80	N/A	N/A	1.35
2X4, WITHOUT RIB	16.10	36.80	48.11	16.10	N/A	3.60	5.10	N/A
2X8, WITH RIB	19.30	45.60	56.91	19.30	0.80	N/A	N/A	1.45
2X8, WITHOUT RIB	19.30	45.60	56.91	19.30	N/A	3.60	5.10	N/A
2X10, WITH RIB	19.30	45.60	56.91	19.30	0.80	N/A	N/A	1.45
2X10, WITHOUT RIB	19.30	45.60	56.91	19.30	N/A	3.60	5.10	N/A



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EC NO: 632862 DRWN: PPALLAN CHKD: MYANSLAMBROU APPR: MYANSLAMBROU	2020/02/20 2020/02/26 2020/02/26	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex [®]				
			mm	2:1					
		ANGULAR TOL ± 3.0 °	DRWN BY	DATE	MX150 DUAL ROW RECPT BACKSHELLS				
			DAHALL	2013/03/27					
	REV	4 PLACES	±	CHK'D BY	PRODUCT CUSTOMER DRAWING				
		3 PLACES	±	DATE					
		2 PLACES	± 0.1	APPR BY	GENERAL MARKET				
		1 PLACE	± 0.2	DATE					
B10	6	0 PLACES	±	DRAWING SIZE	SERIES	MATERIAL NUMBER	CUSTOMER	DOCUMENT NUMBER	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1	34951	SD-34951-0001	PSD	001	4 OF 4