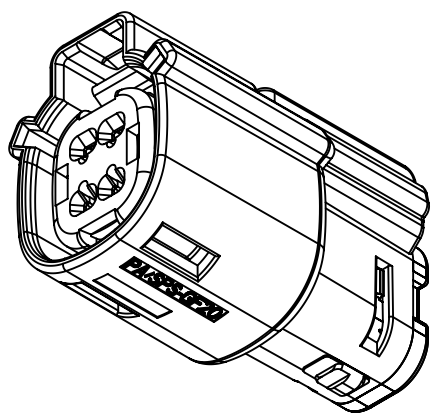
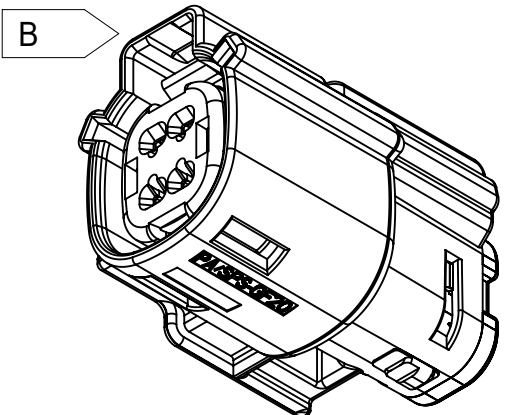


SHEET DESCRIPTION

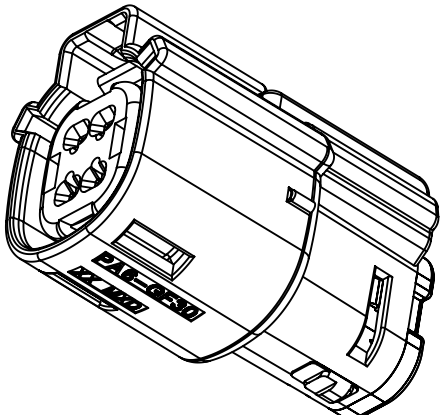
CONFIGURATIONS



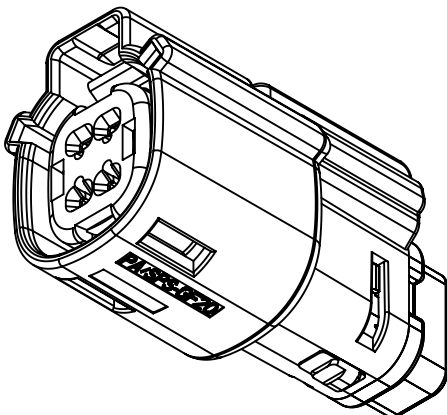
2X2 - STD.
2X2 - TRNS. - SILICONE FREE †



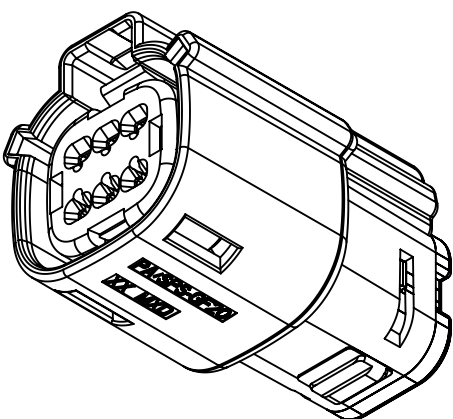
2X2 - STD. - WITH CLIPSLOT *



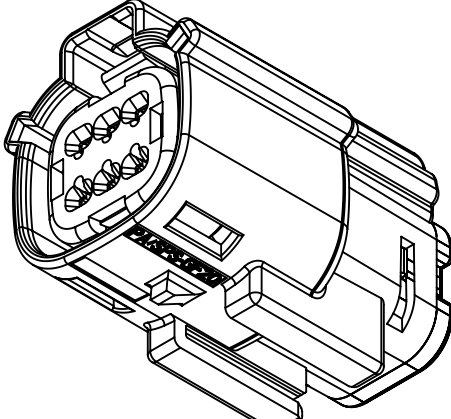
† 2X2 - UL V0



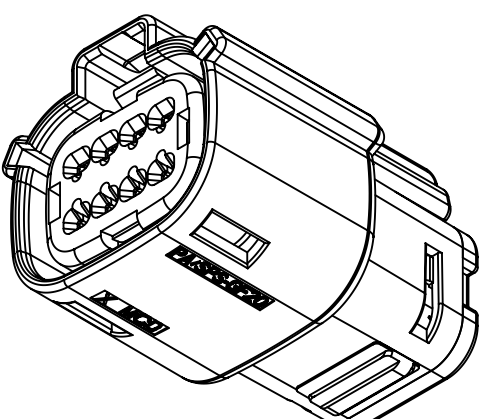
2X2 - STD. - LENGTHENED



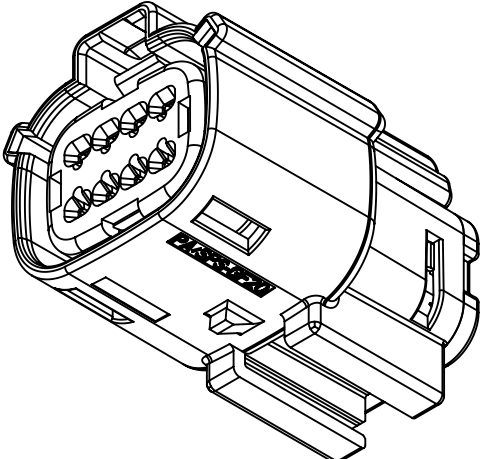
2X3 - STD.
2X3 - TRNS. - CONTAINS SILICONE †



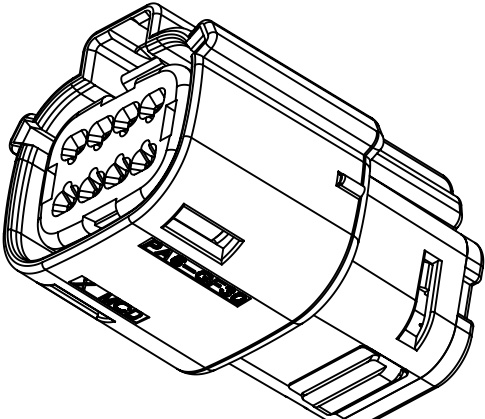
2X3 - STD. - WITH CLIPSLOT *



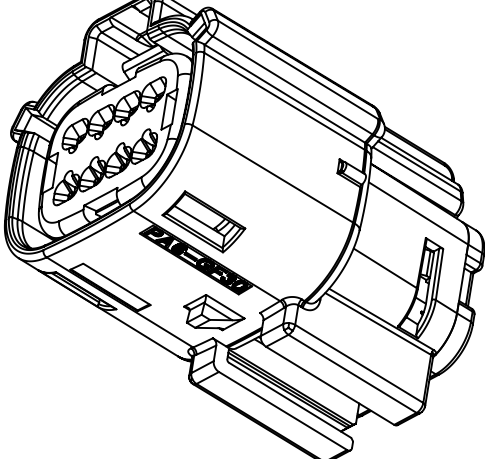
2X4 - STD.



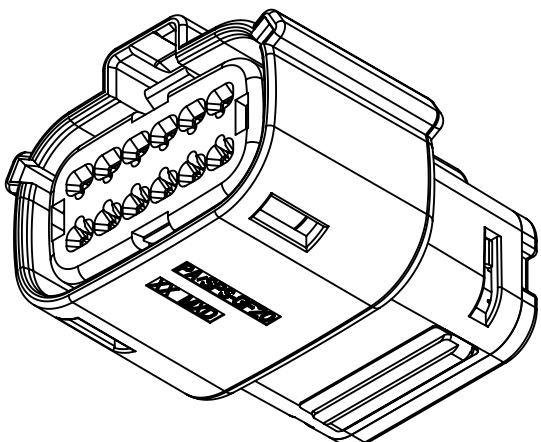
2X4 - STD. - WITH CLIPSLOT *



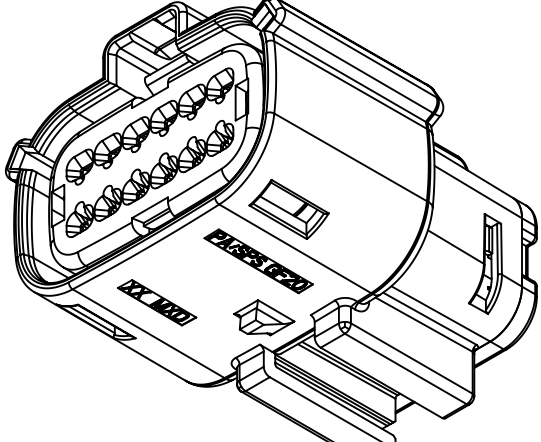
† 2X4 - UL V0



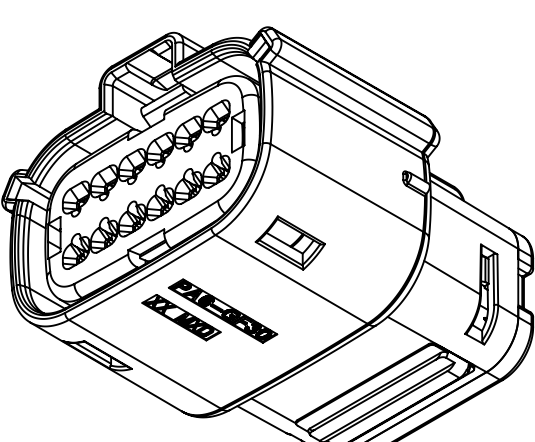
† 2X4 - UL V0-WITH CLIPSLOT*



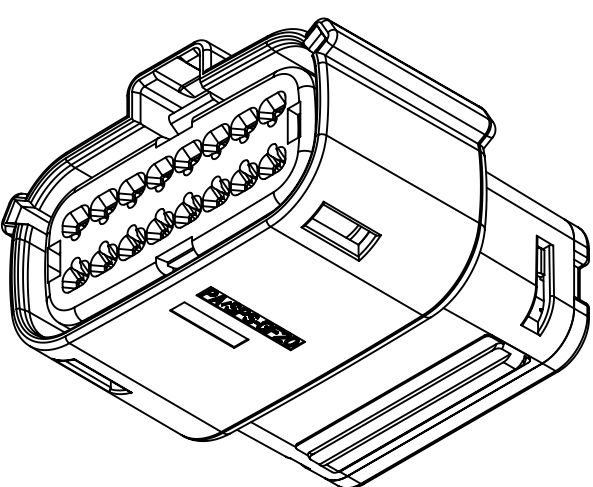
2X6 - STD.
C1 † 2X6 - TRNS.



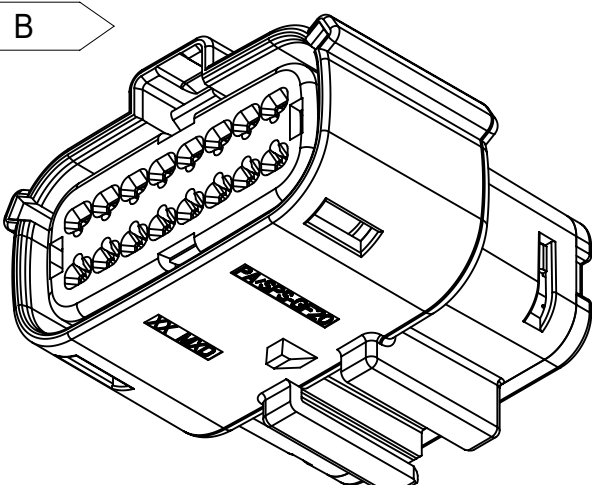
2X6 - STD. - WITH CLIPSLOT *
C1 † 2X6 - TRNS. - WITH CLIPSLOT *



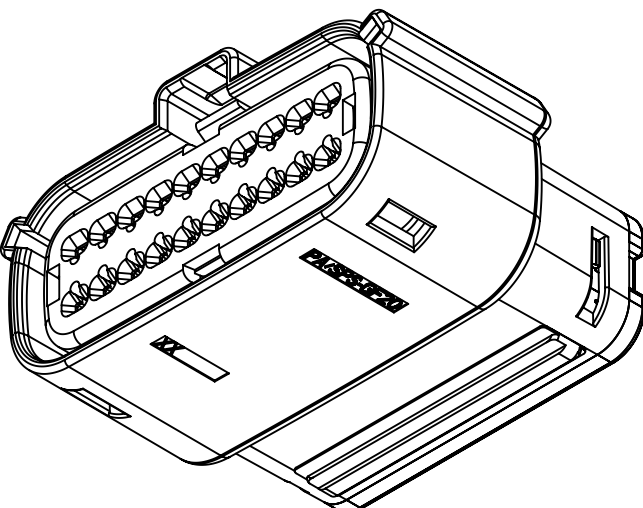
† 2X6 - UL V0



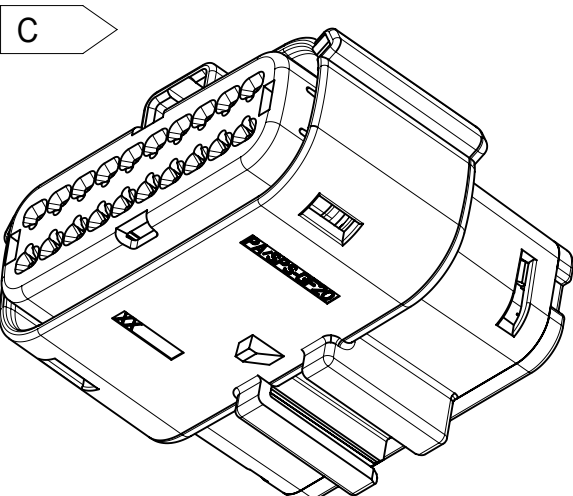
2X8 - STD.



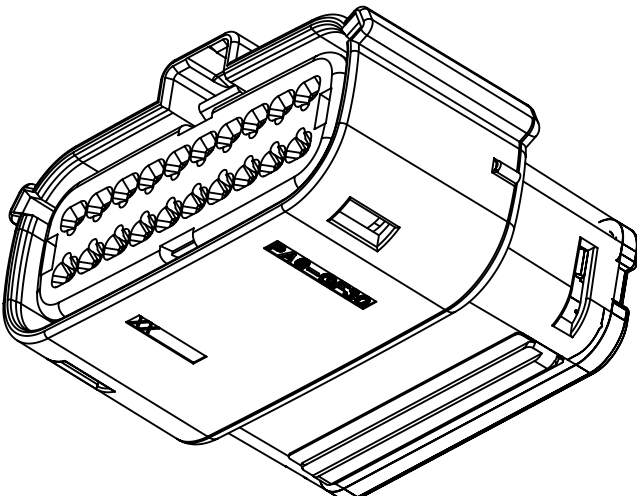
2X8 - STD. - WITH CLIPSLOT *



2X10 - STD.



2X10 - STD. - WITH CLIPSLOT *



† 2X10 - UL V0

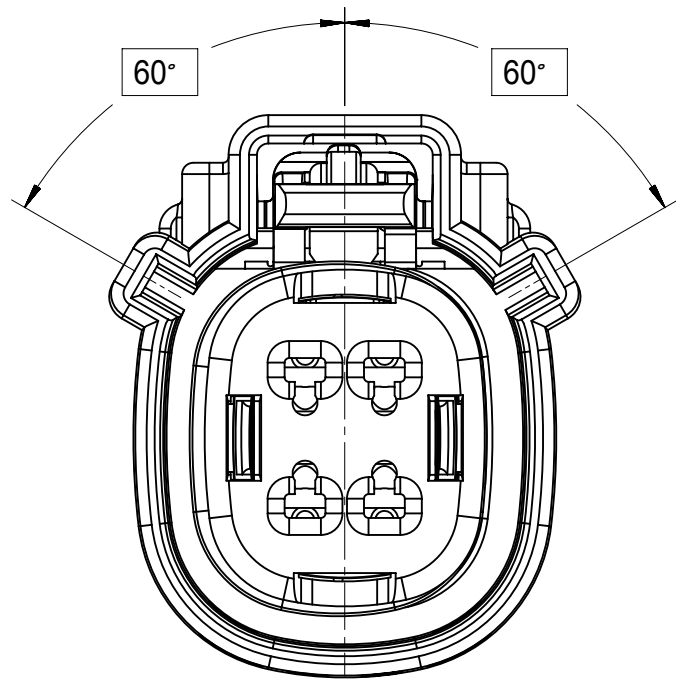
* WITH CLIPSLOT CONFIGURATION DOES NOT
MEET THE USCAR PACKAGING FRAME REQUIREMENTS
† MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION
SEE NOTES 1a & 2a-b FOR MORE INFORMATION

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															
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 171650				MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL									
= 0		ANGULAR TOL ± 1.0 °																	
= 0		4 PLACES ±				DRWN: DDEB 2018/01/19													
= 0		3 PLACES ±				CHK'D: MVANSLAMBROU 2018/02/16													
= 0		2 PLACES ± 0.1				APPR: MVANSLAMBROU 2018/02/16													
= 0		1 PLACE ± 0.2				INITIAL REVISION:													
= 0		0 PLACES ±				DRWN: APROFFITT 2014/05/14													
= 0						APPR: VKOSHY 2014/06/27													
= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
= 0								A1-SIZE		33472		SD-33472-0001		PSD		001		C2	
= 0												MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
= 0														GENERAL MARKET				2 OF 11	

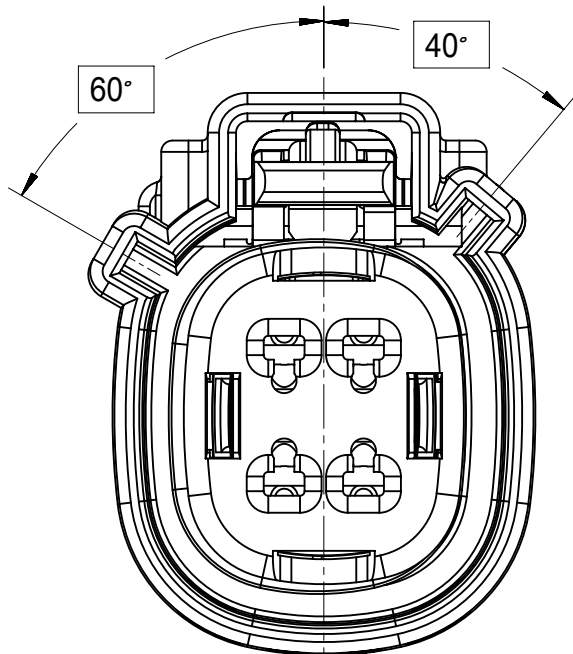
SHEET DESCRIPTION

KEY CONFIGURATIONS

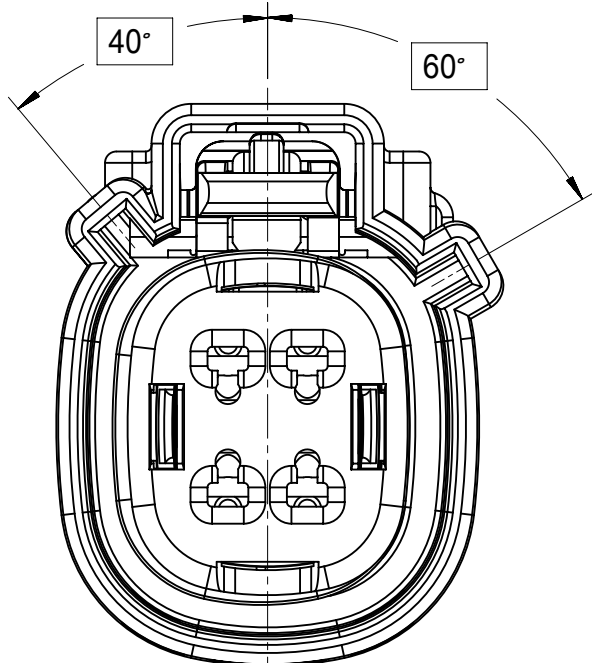
2X2



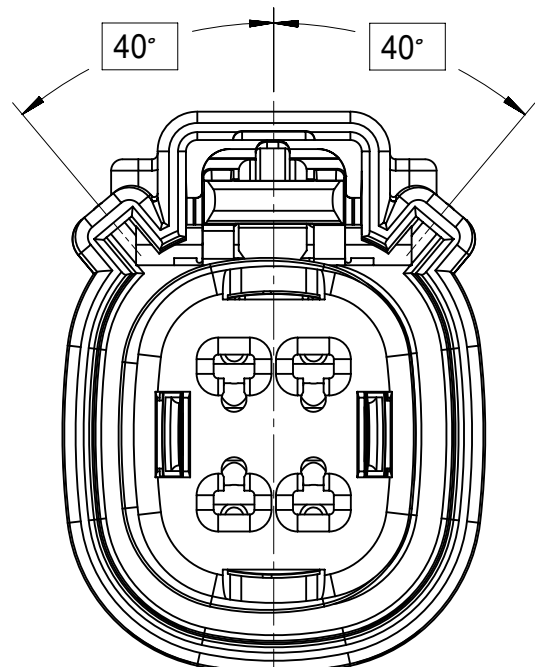
KEY A



KEY B

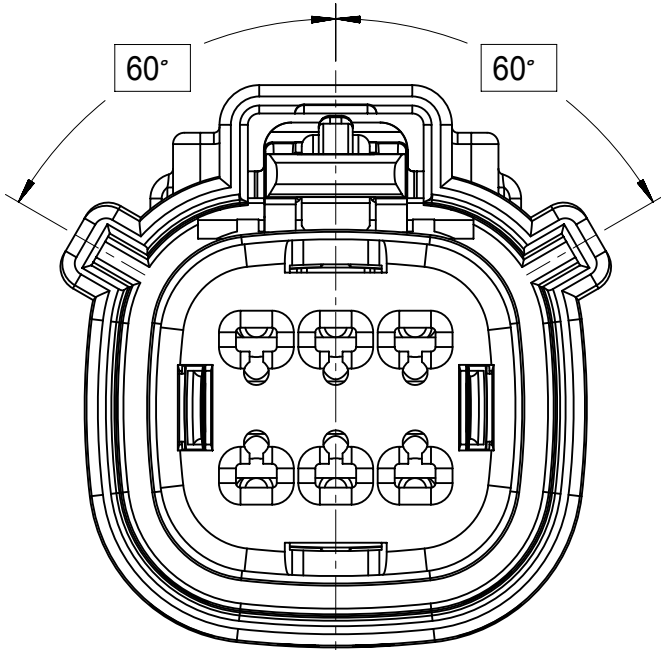


KEY C

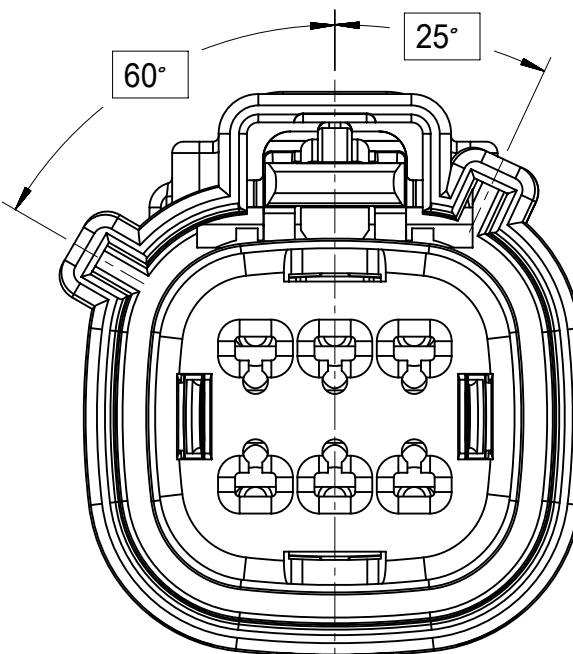


KEY D

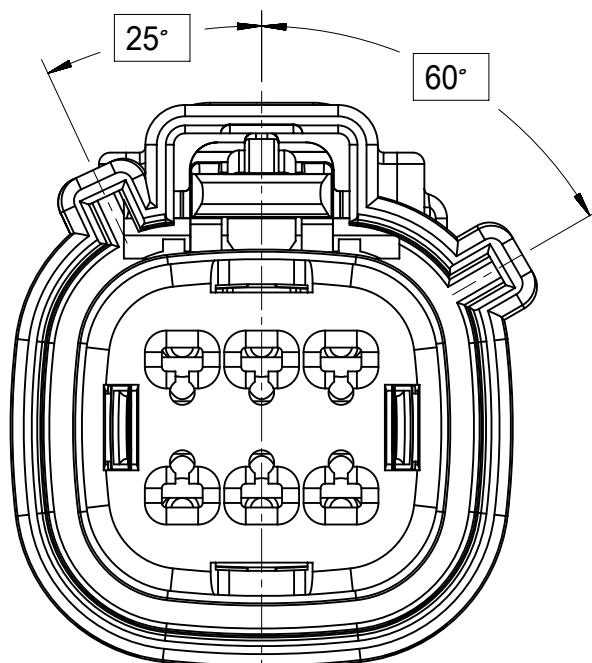
2X3



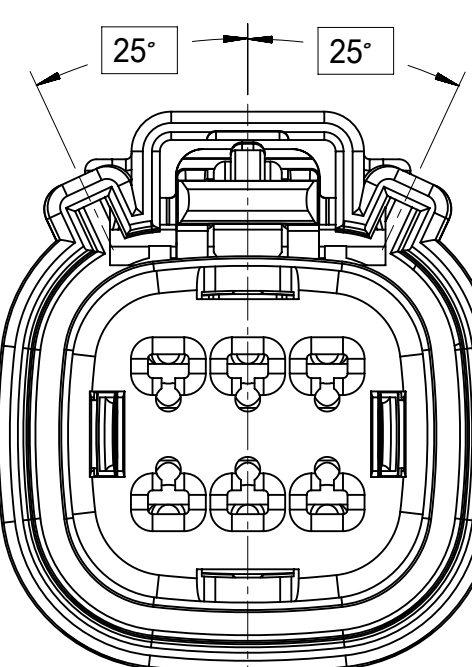
KEY A



KEY B

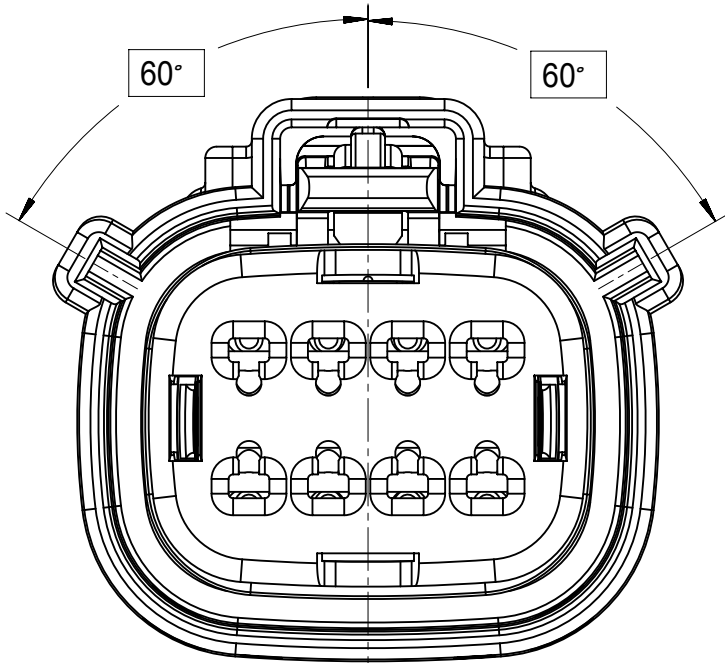


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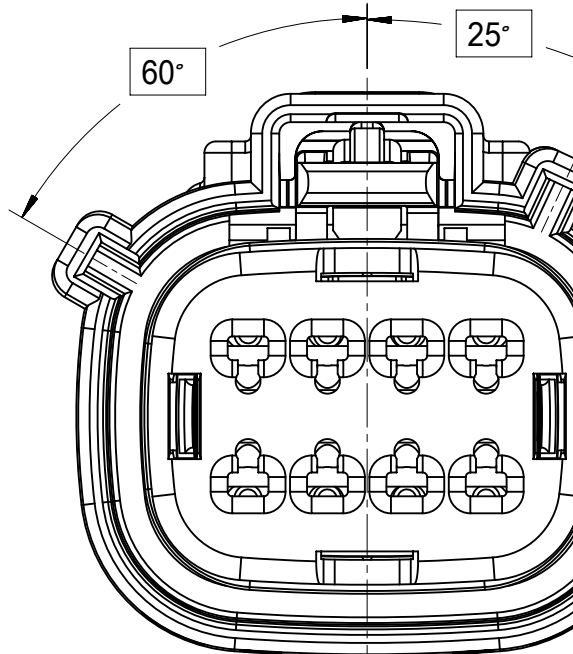


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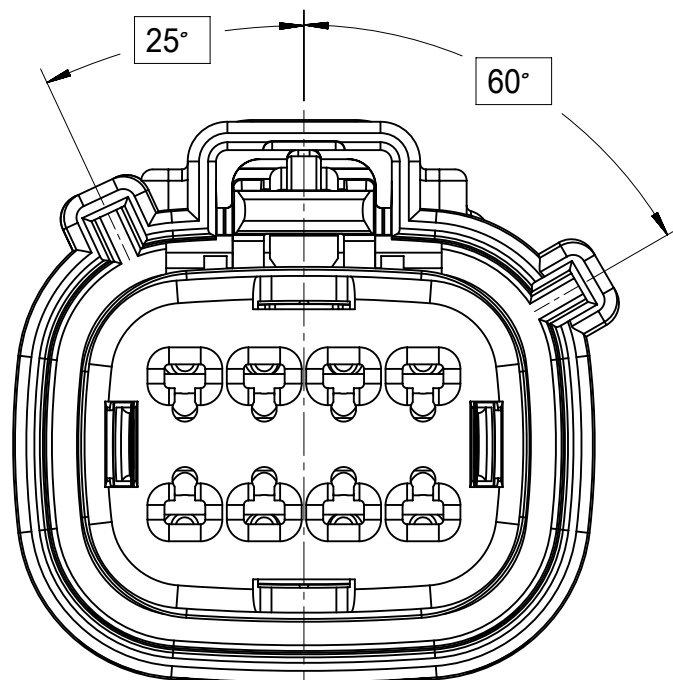
2X4



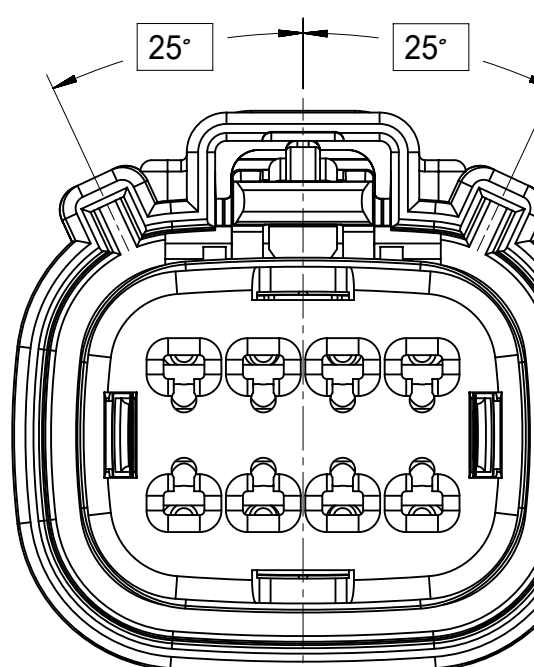
KEY A



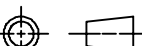
KEY B



KEY C



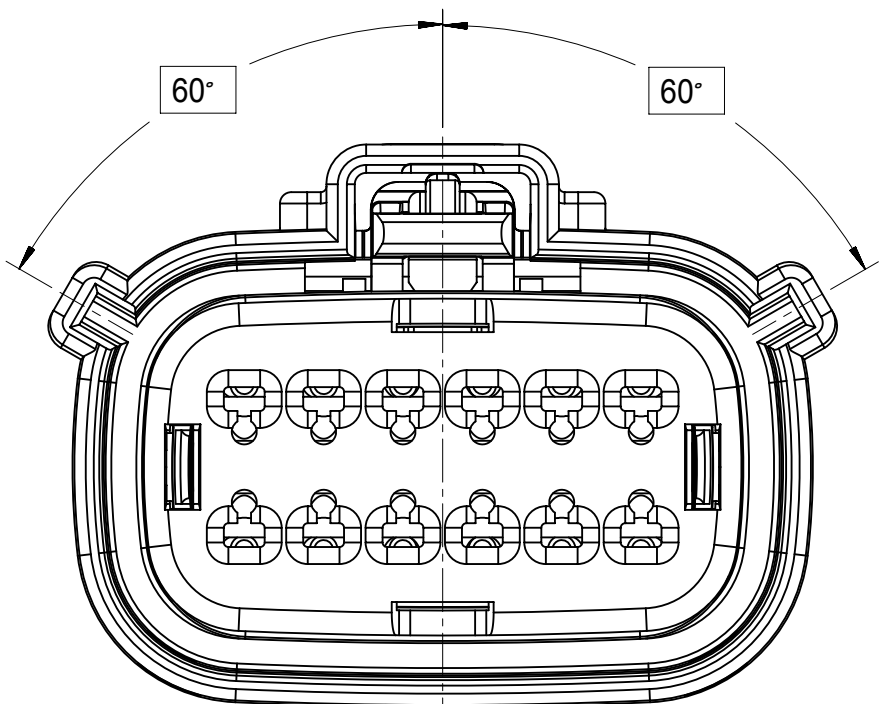
KEY D

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																											
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 = 0		mm		1:1																									
 = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 171650										MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL													
 = 0		ANGULAR TOL ± 1.0 °																											
 = 0		4 PLACES		±		DRWN: DDEB				2018/01/19				PRODUCT CUSTOMER DRAWING															
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						THIRD ANGLE PROJECTION				DRAWING				SERIES				MATERIAL NUMBER				CUSTOMER				SHEET NUMBER			
										A1-SIZE				33472				GENERAL MARKET				3 OF 11							

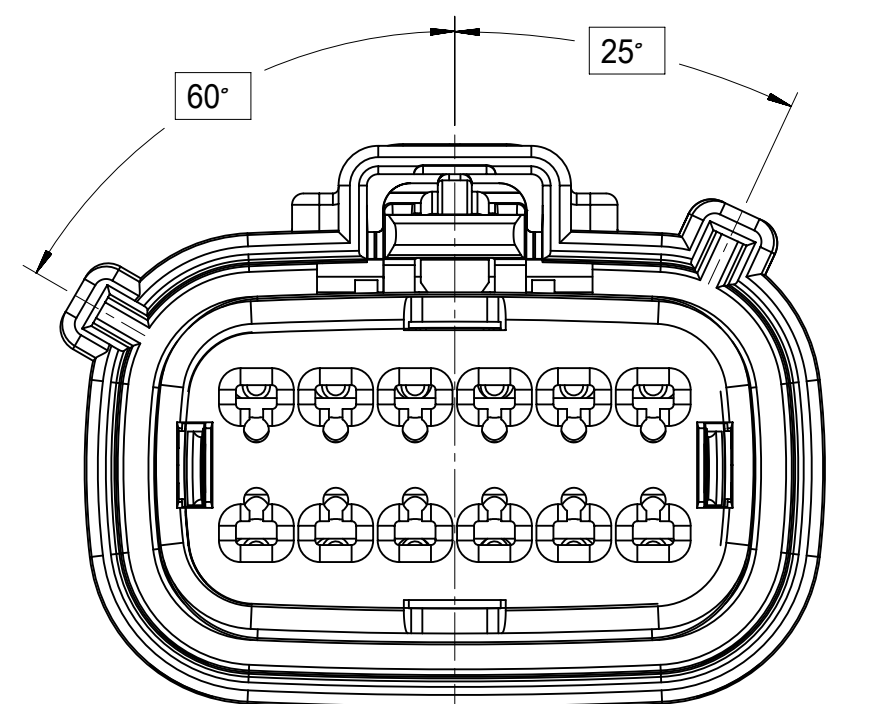
SHEET DESCRIPTION

KEY CONFIGURATIONS CONT.

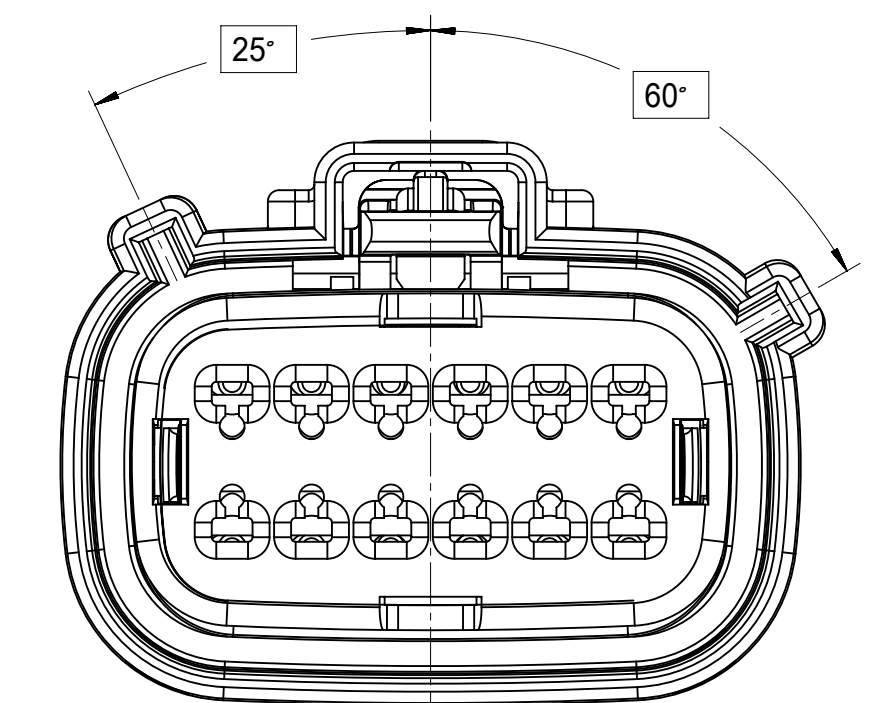
2X6



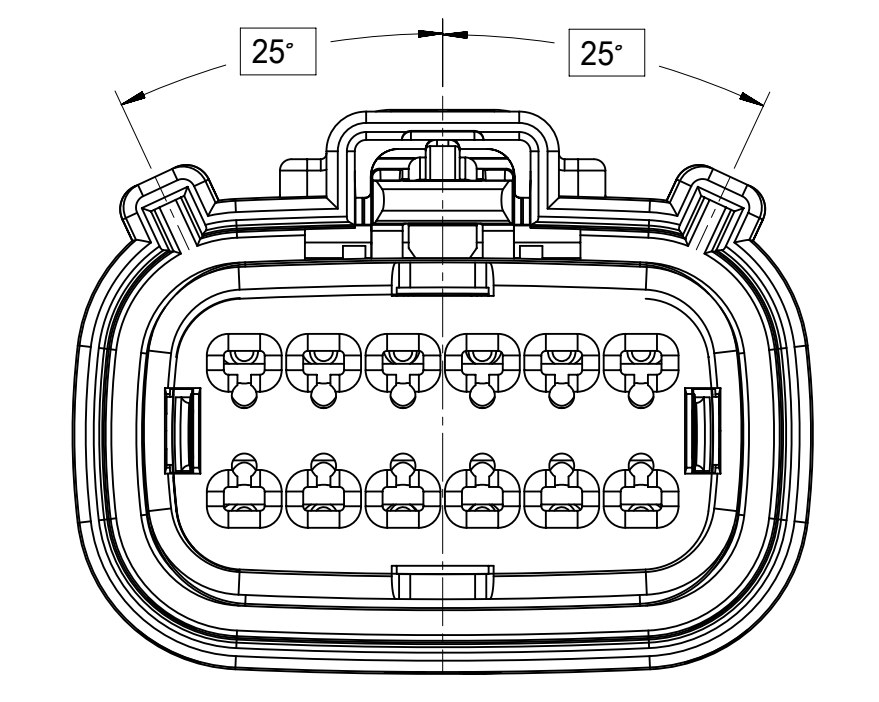
KEY A



KEY B

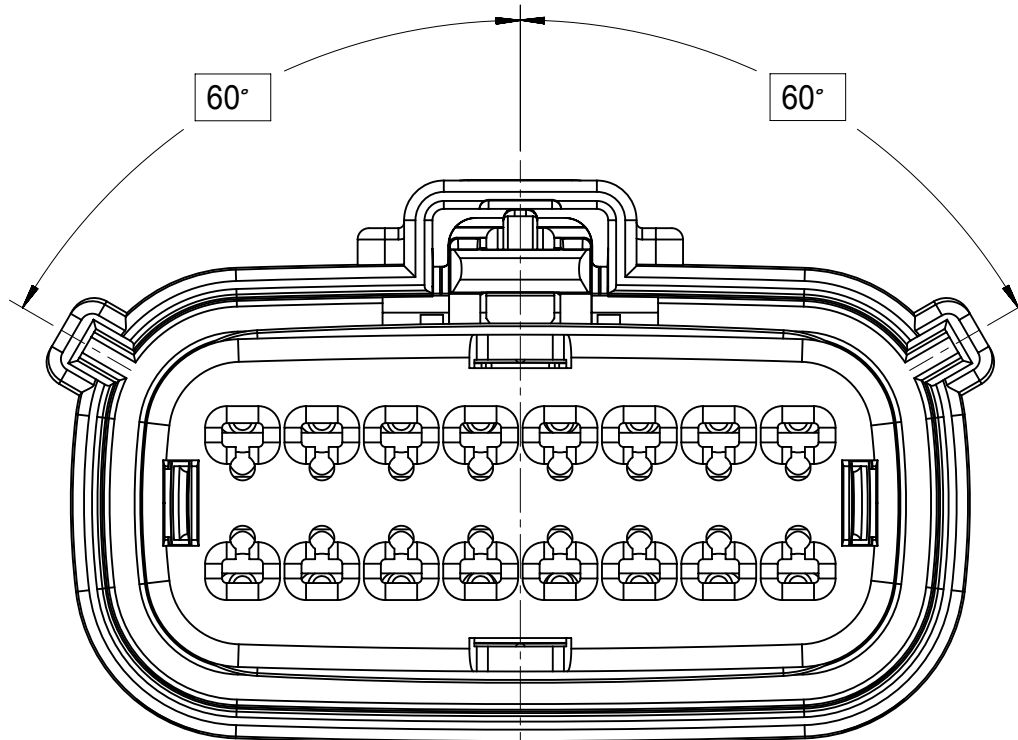


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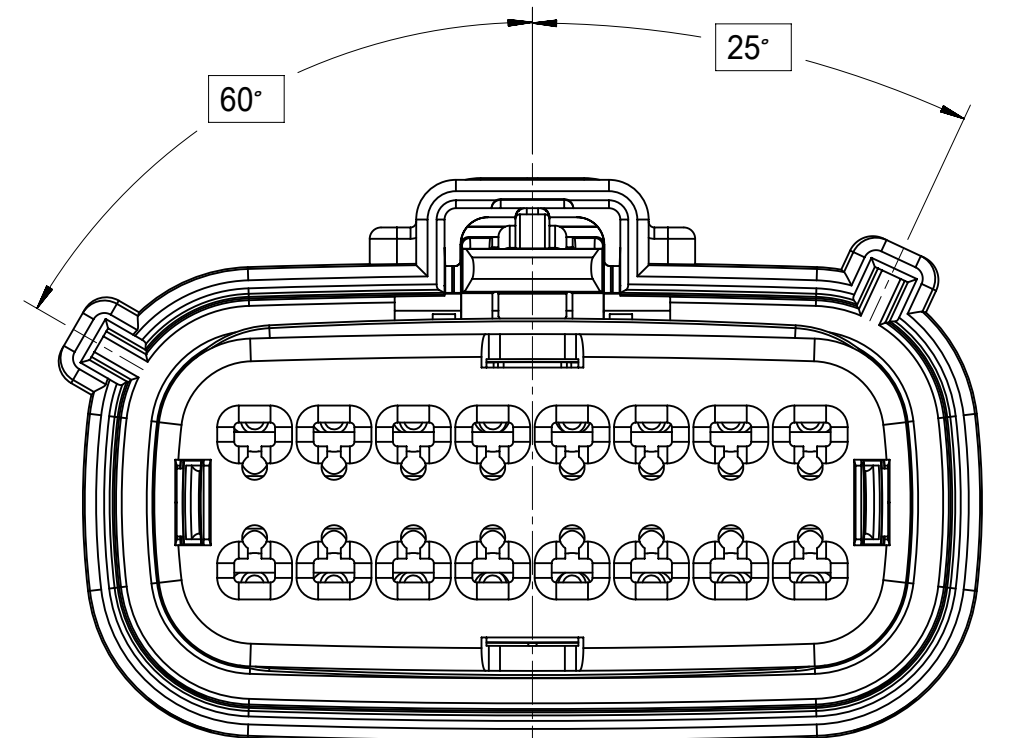


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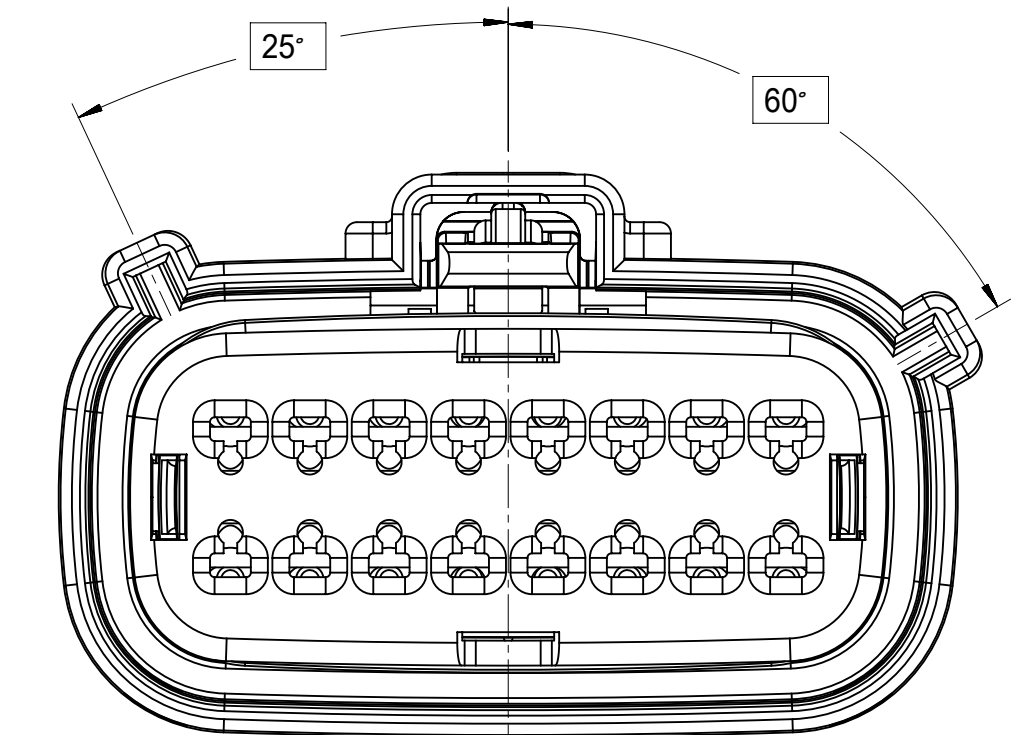
2X8



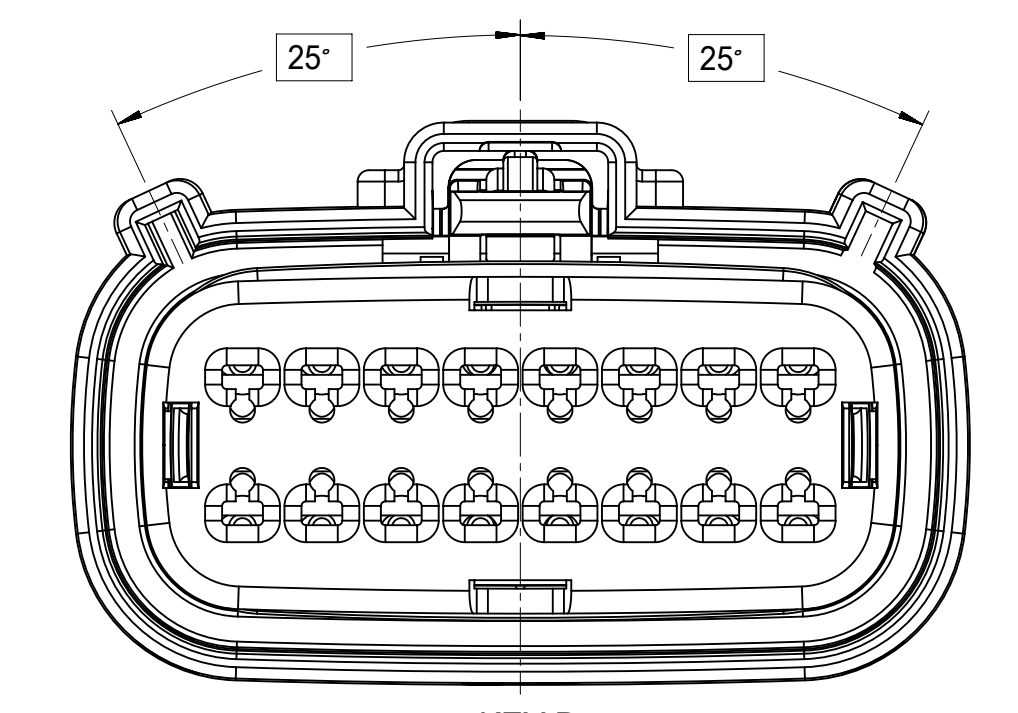
KEY A



KEY B

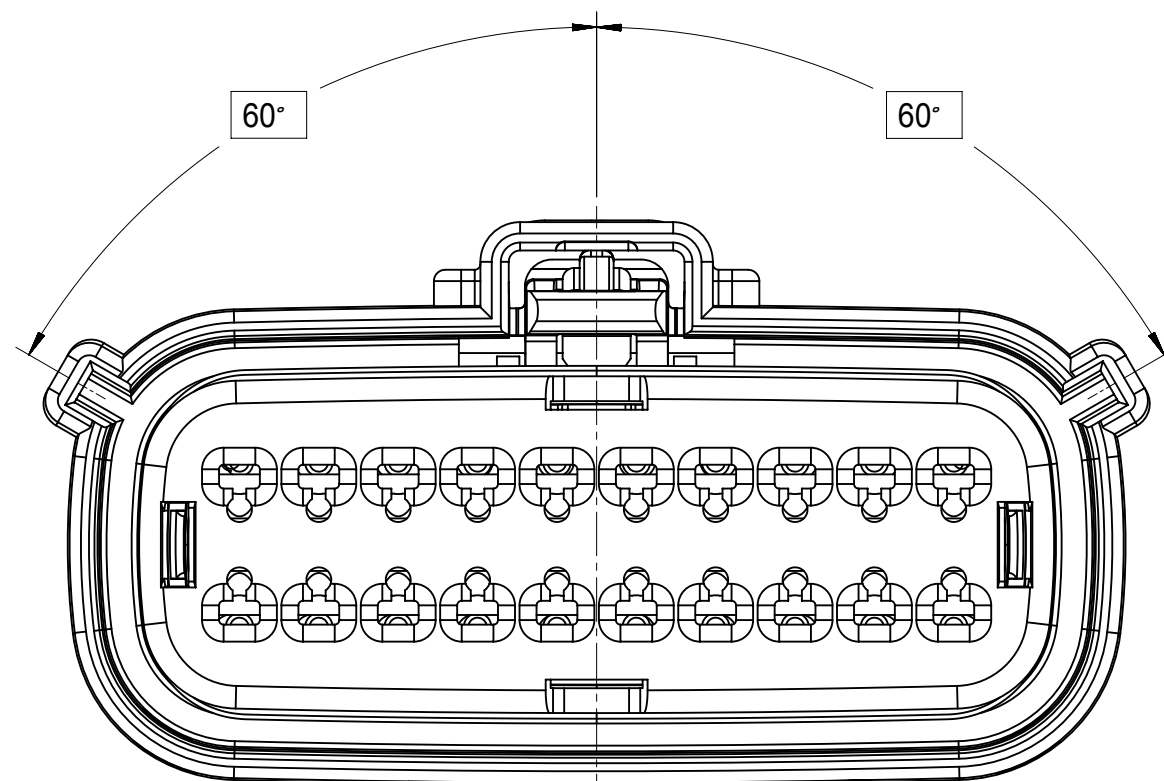


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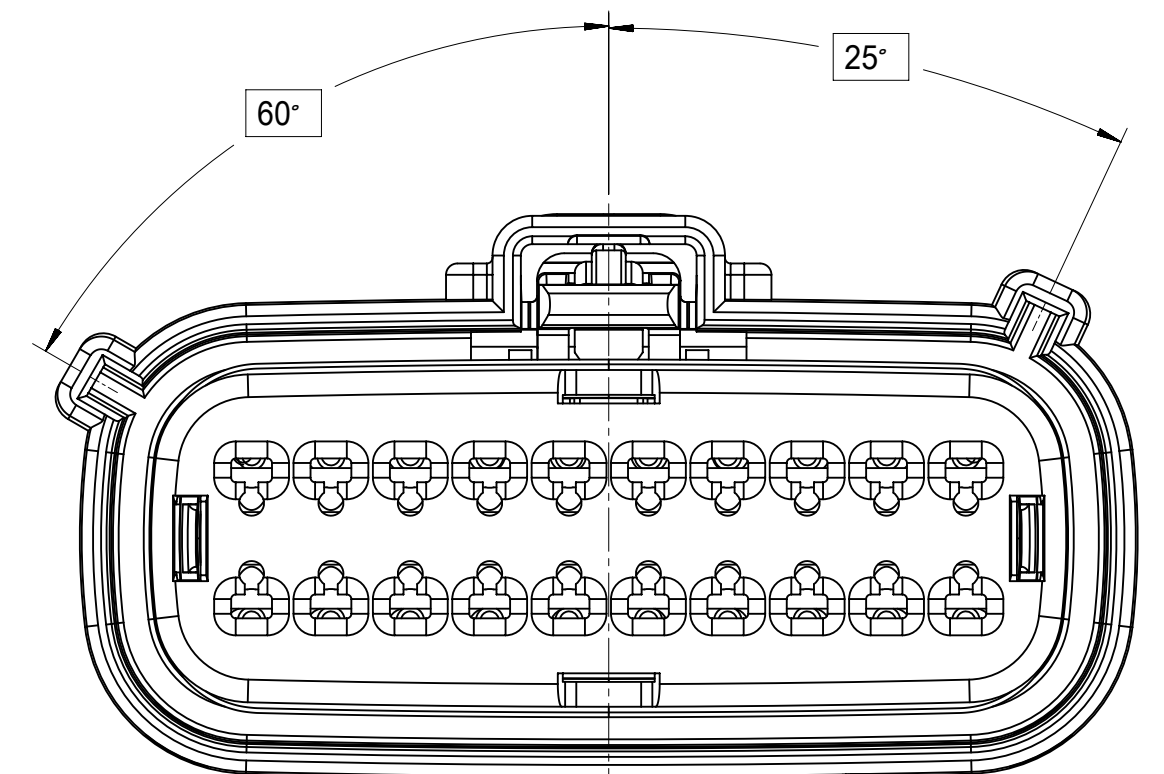


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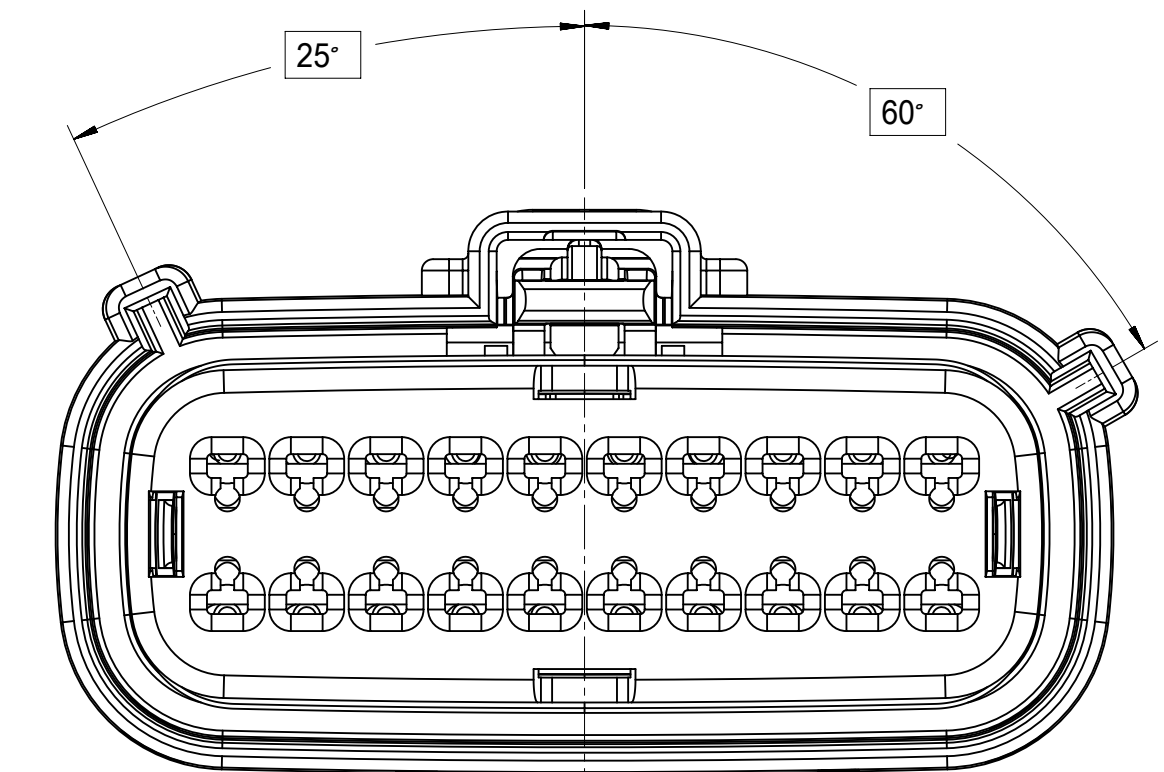
2X10



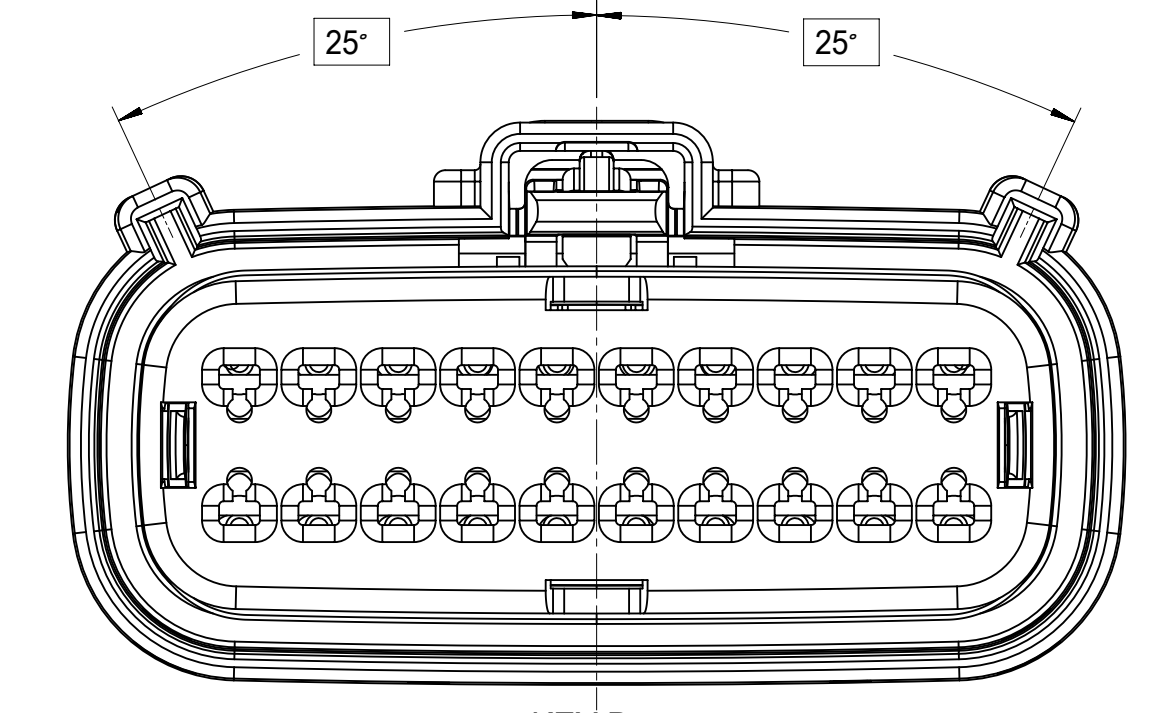
KEY A



KEY B



KEY C

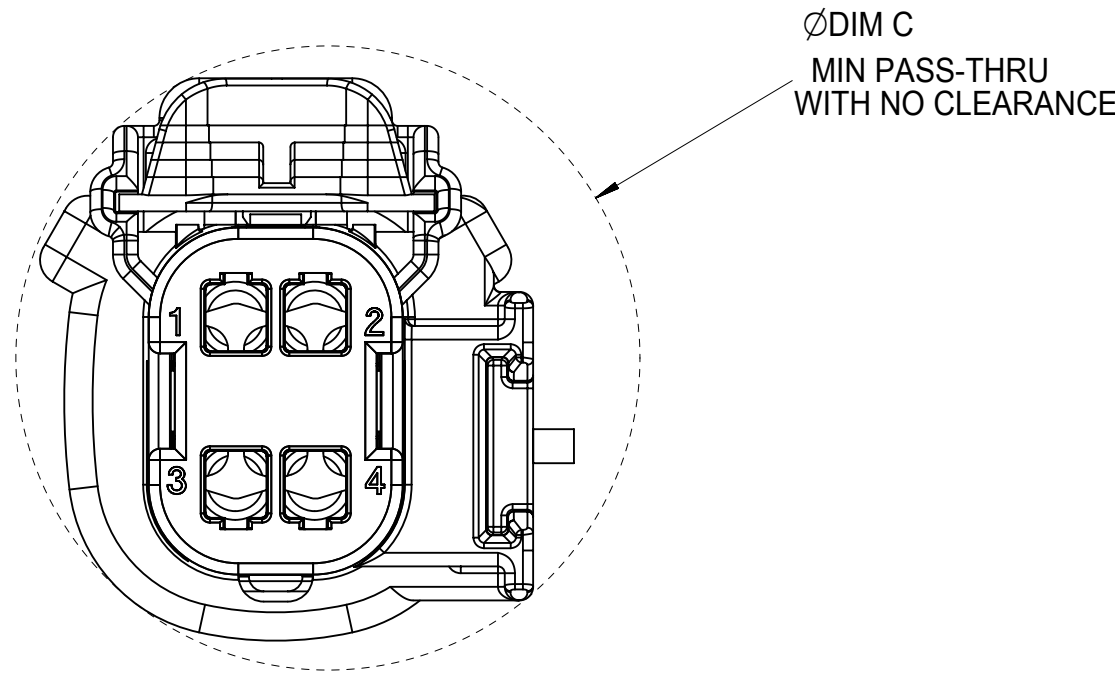
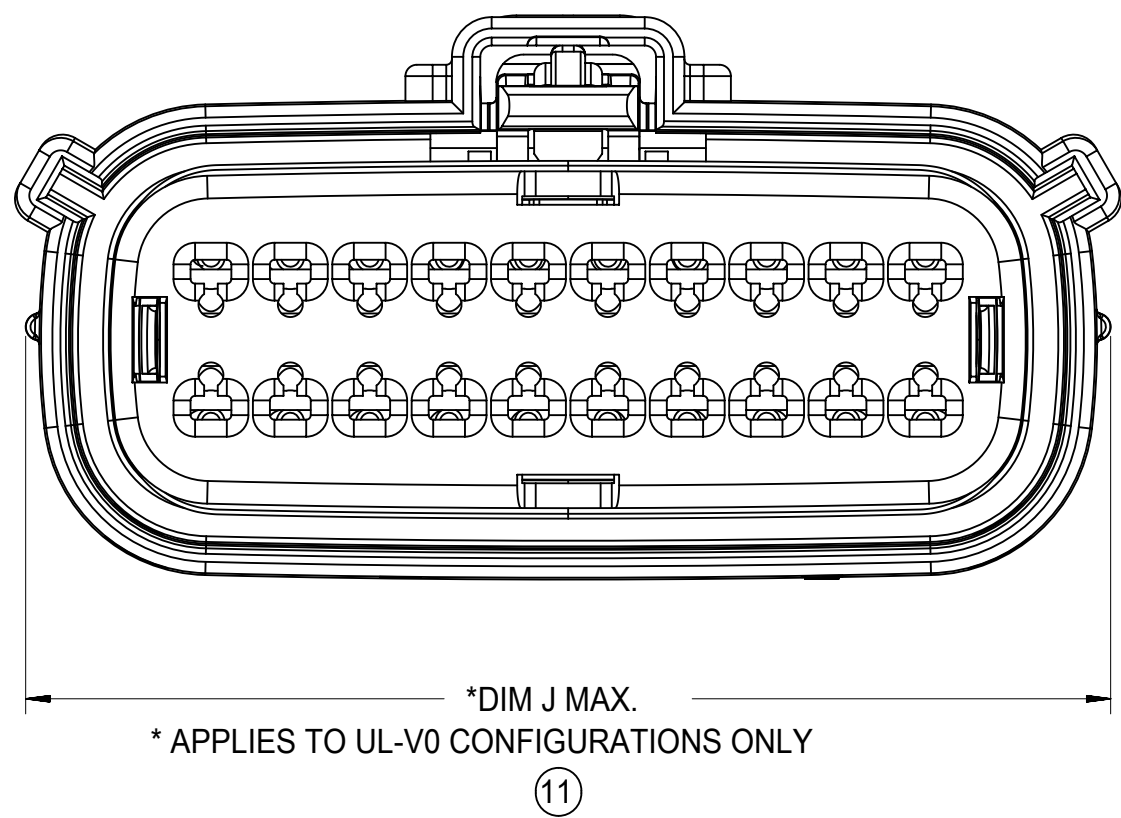


KEY D

SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	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		
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	
	A1-SIZE	
SERIES	33472	
DOCUMENT NUMBER		
SD-33472-0001		
DOC TYPE		
PSD		
DOC PART		
001		
REVISION		
C2		
MATERIAL NUMBER		
CUSTOMER		
GENERAL MARKET		
SHEET NUMBER		
4 OF 11		

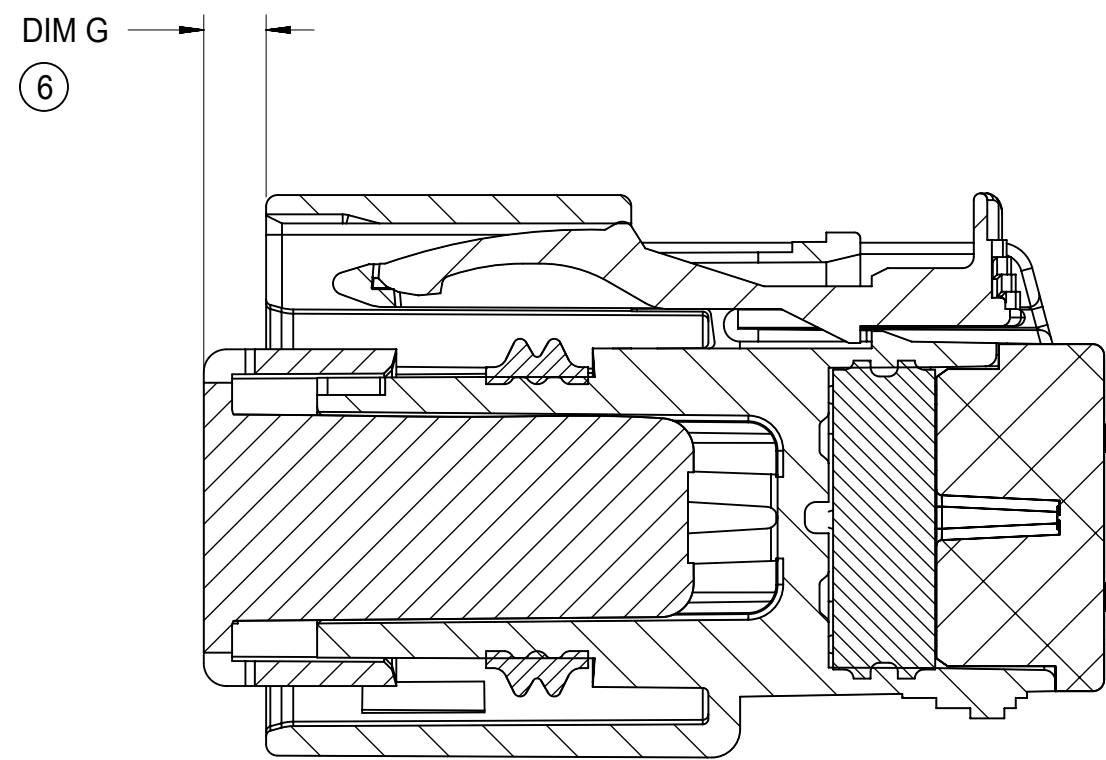
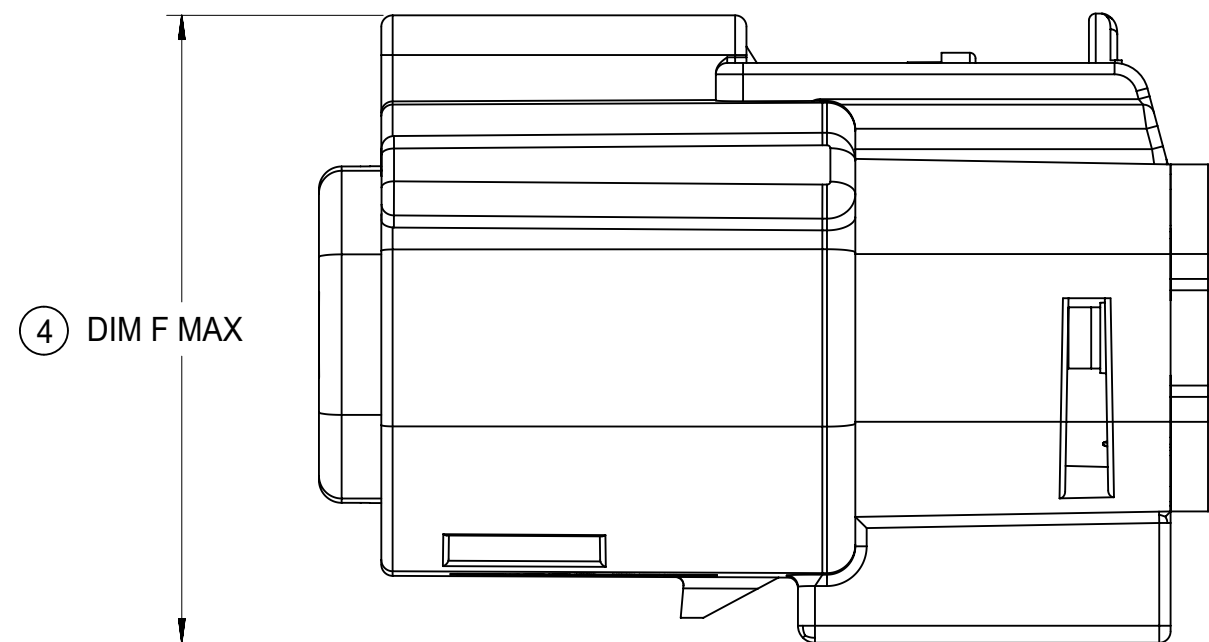
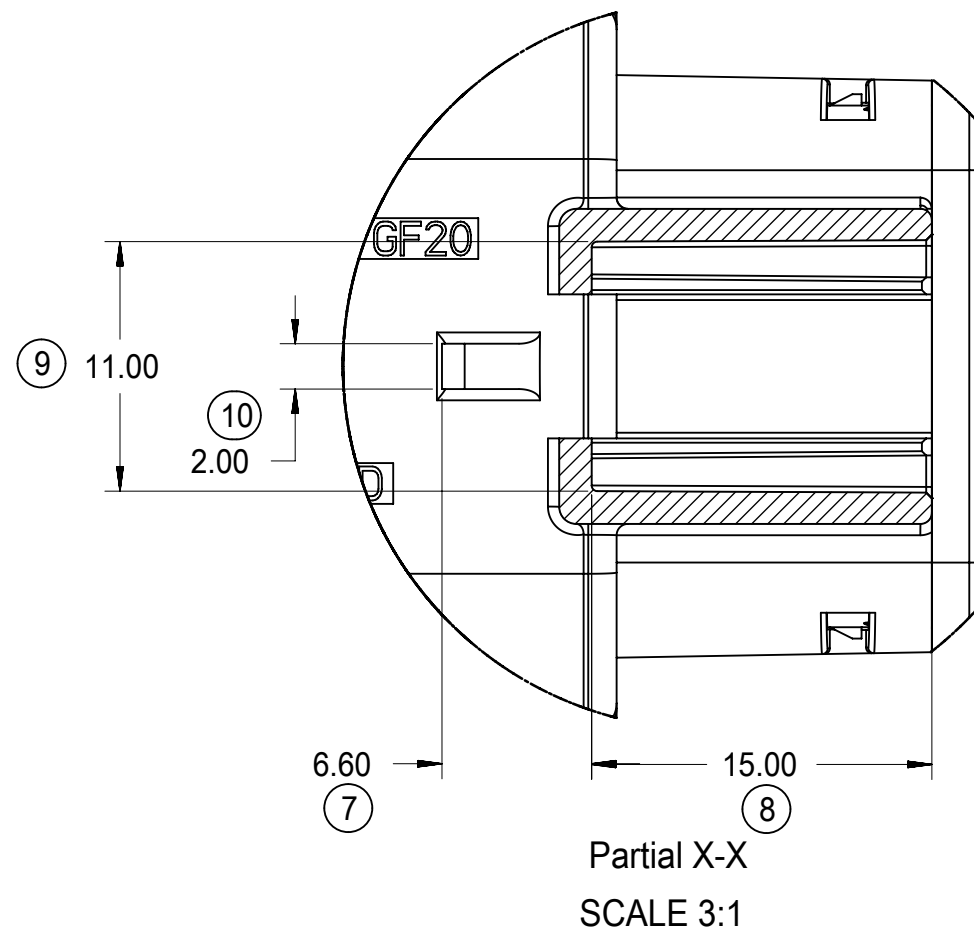
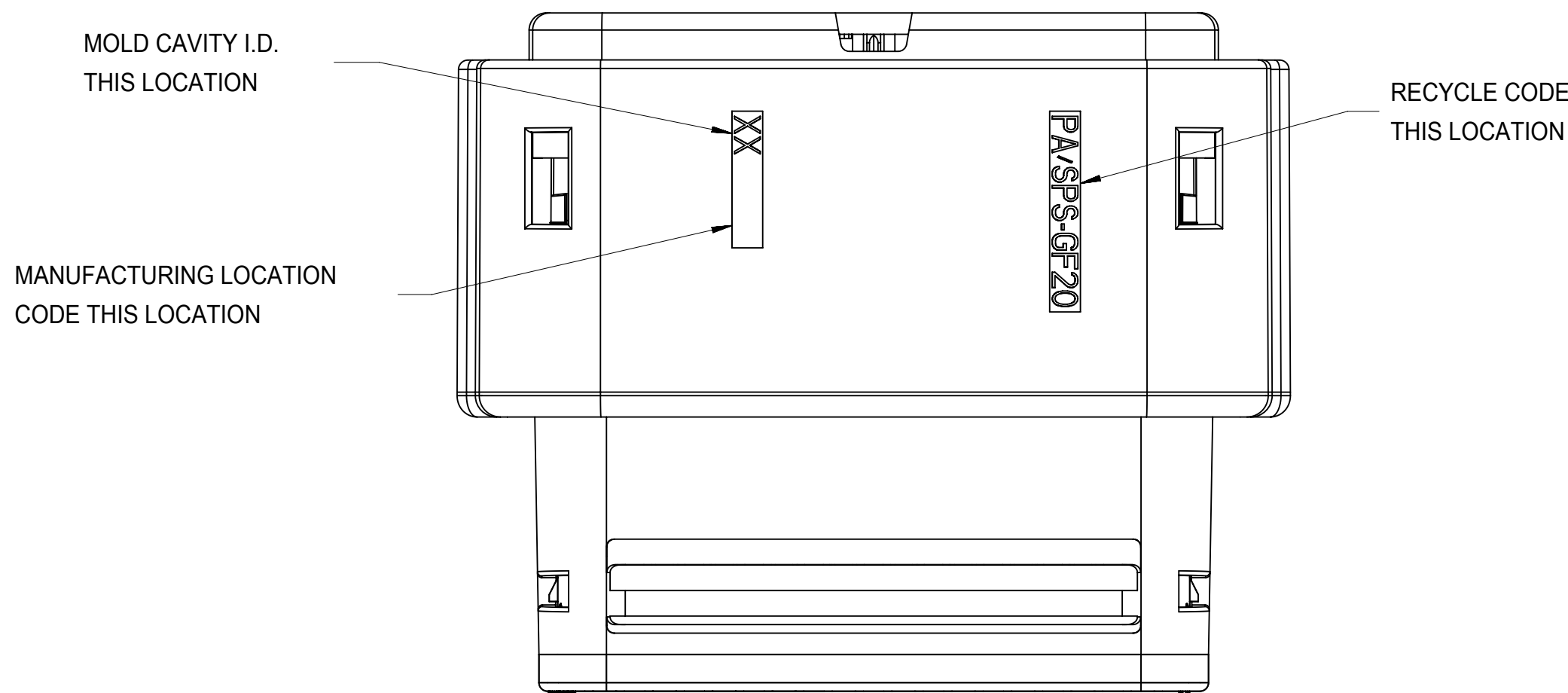
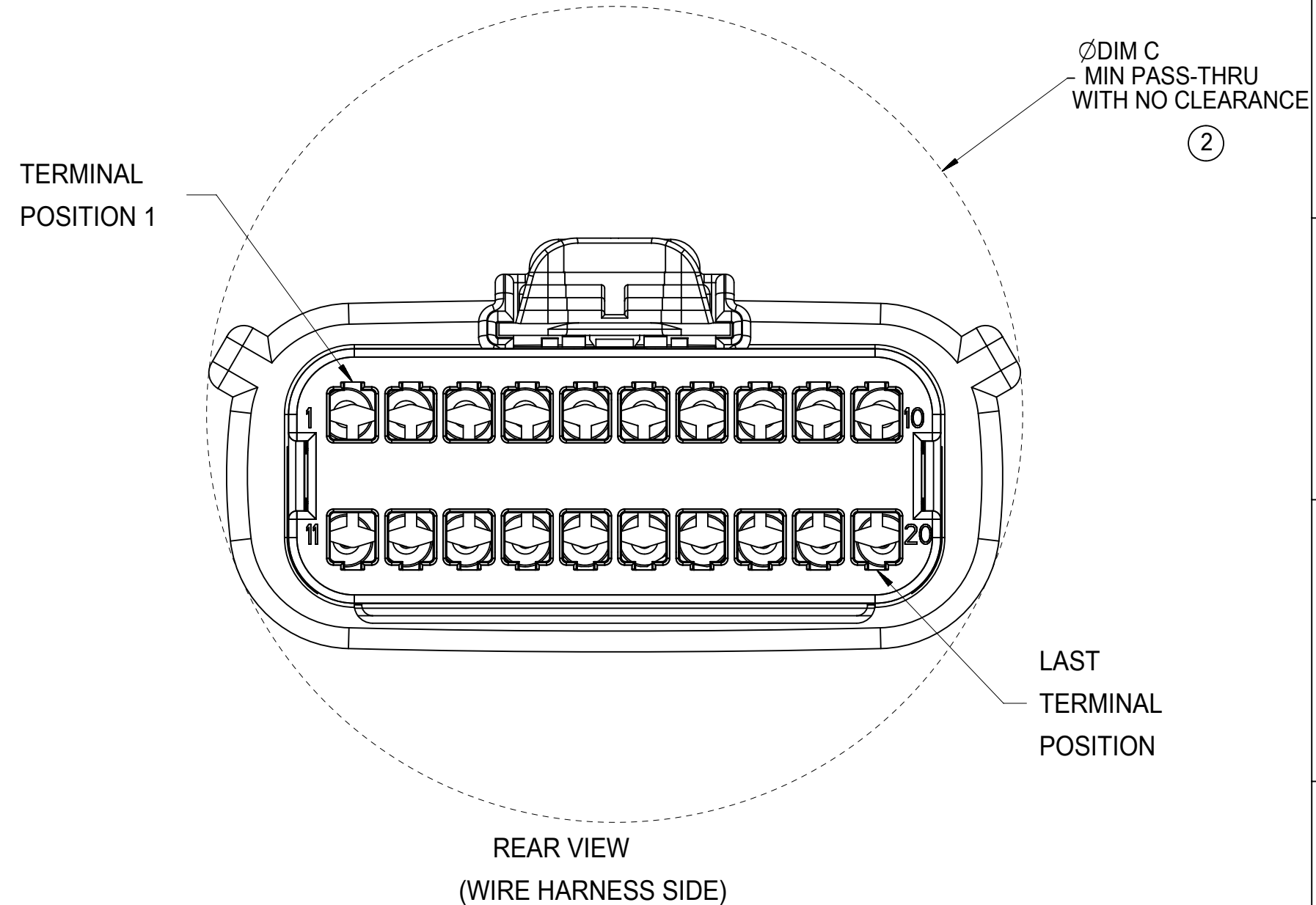
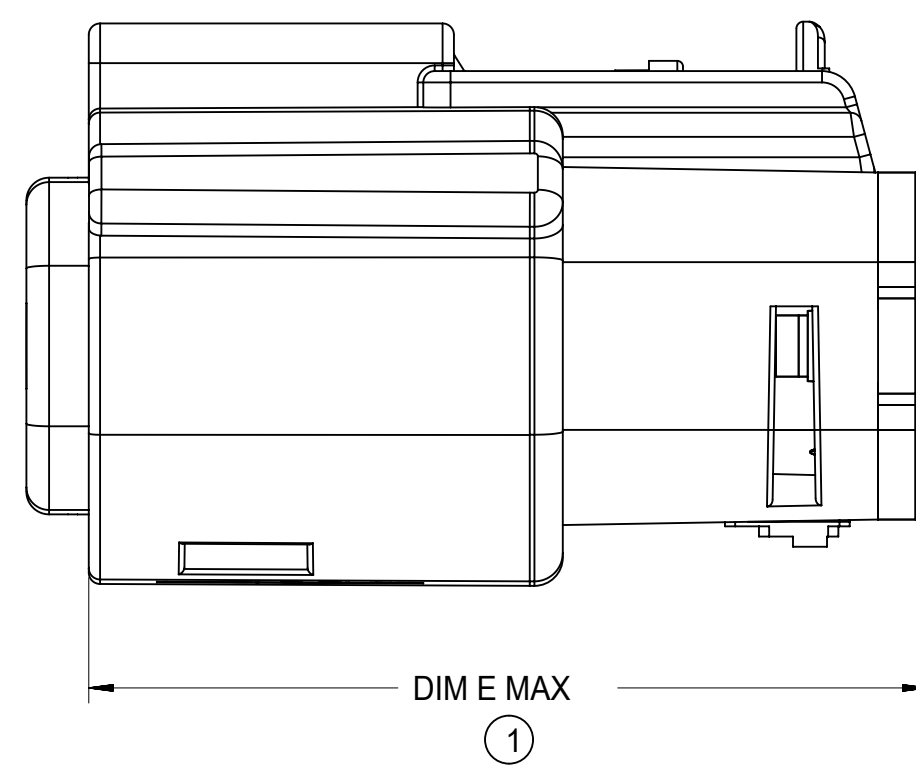
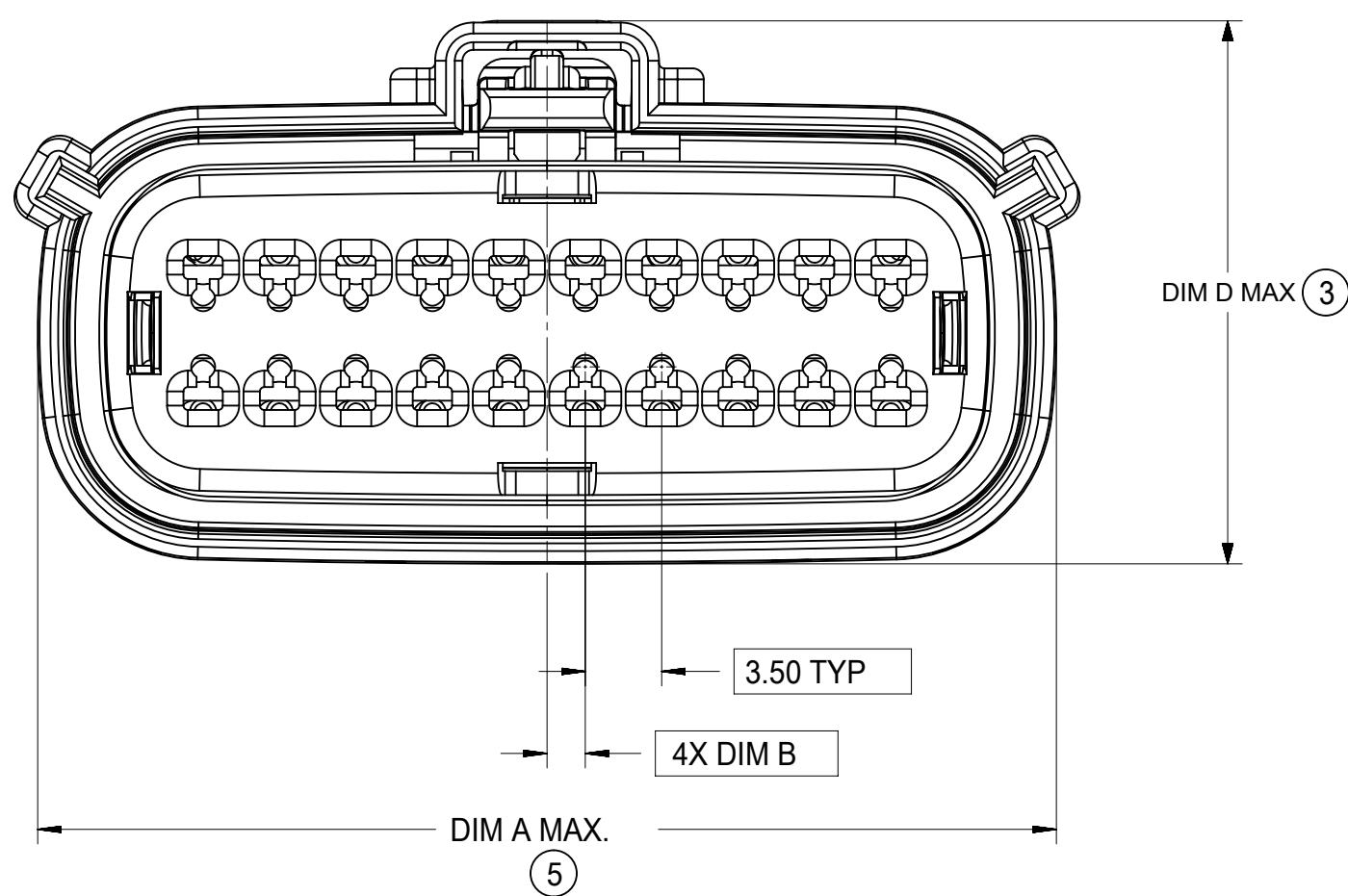
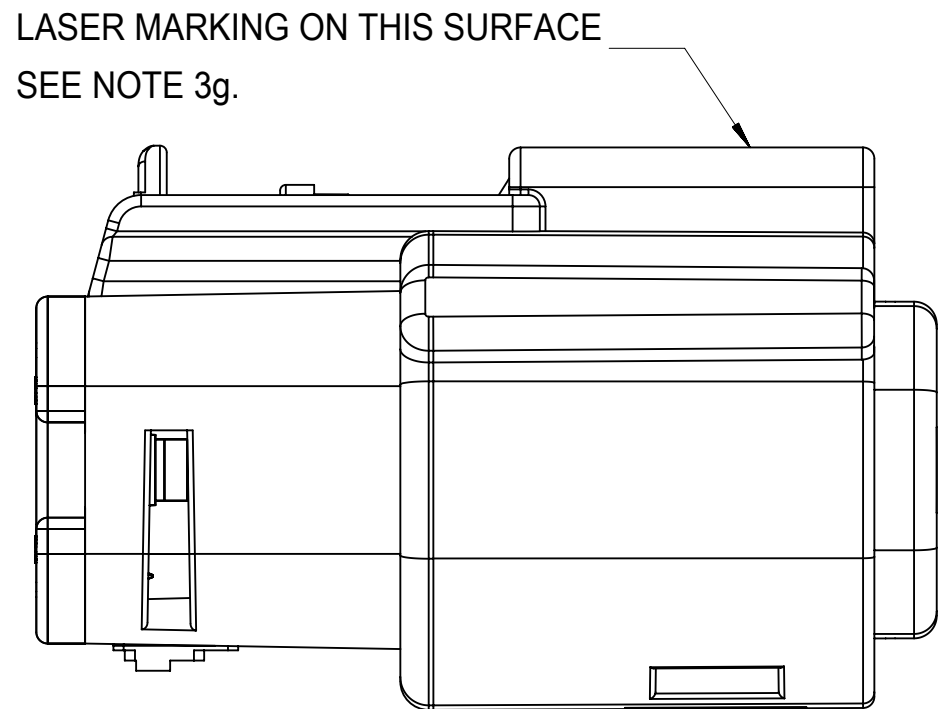
SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY



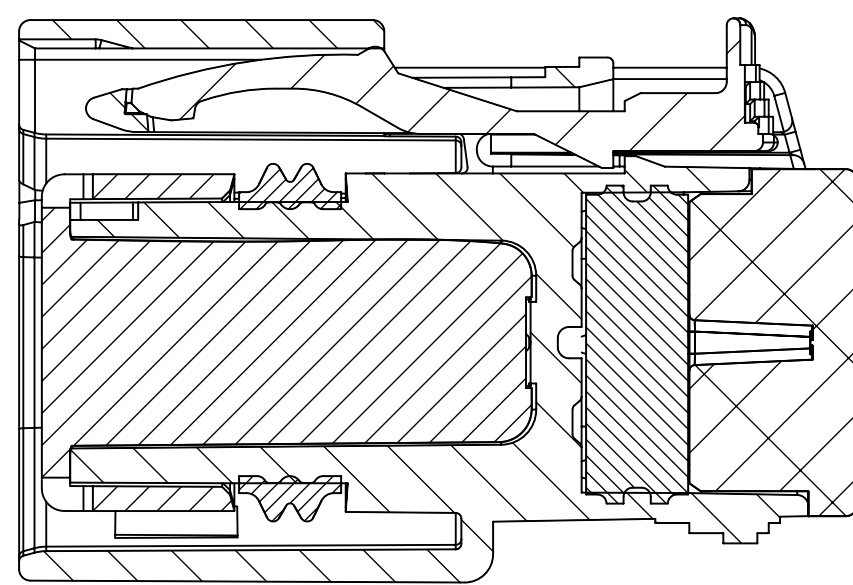
B APPLIES TO 2X2 - STD. - WITH CLIPSLOT ONLY

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



SECTION Z-Z

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex					
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 171650 DRWN: DDEB2018/01/19 CHK'D: MVANSLAMBROU2018/02/16 APPR: MVANSLAMBROU2018/02/16 INITIAL REVISION: DRWN: APROFFITT2014/05/14 APPR: VKOSHY2014/06/27			MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL					
	ANGULAR TOL ± 1.0 °												
	4 PLACES		±					PRODUCT CUSTOMER DRAWING					
	3 PLACES		±										
	2 PLACES		± 0.1					DOCUMENT NUMBERDOC TYPEDOC PARTREVISION					
	1 PLACE		± 0.2										
	0 PLACES		±		SD-33472-0001PSD001C2								
	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

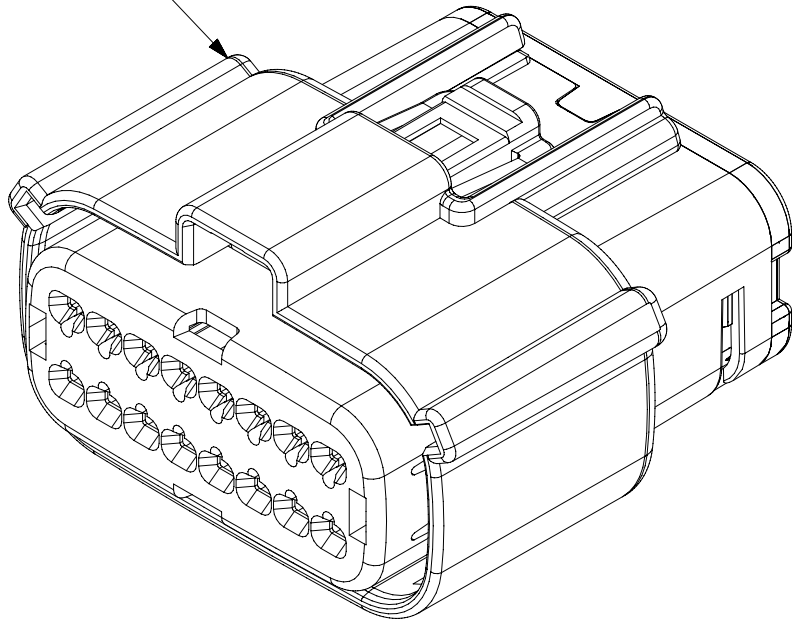
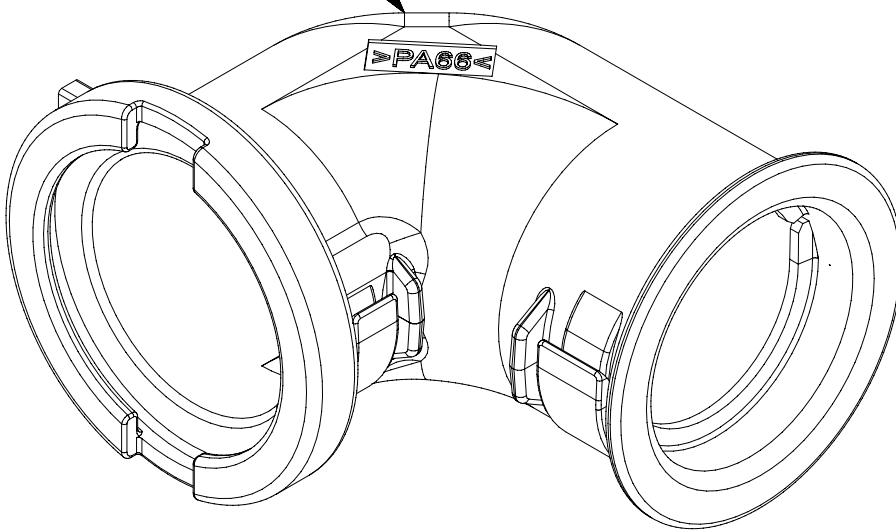
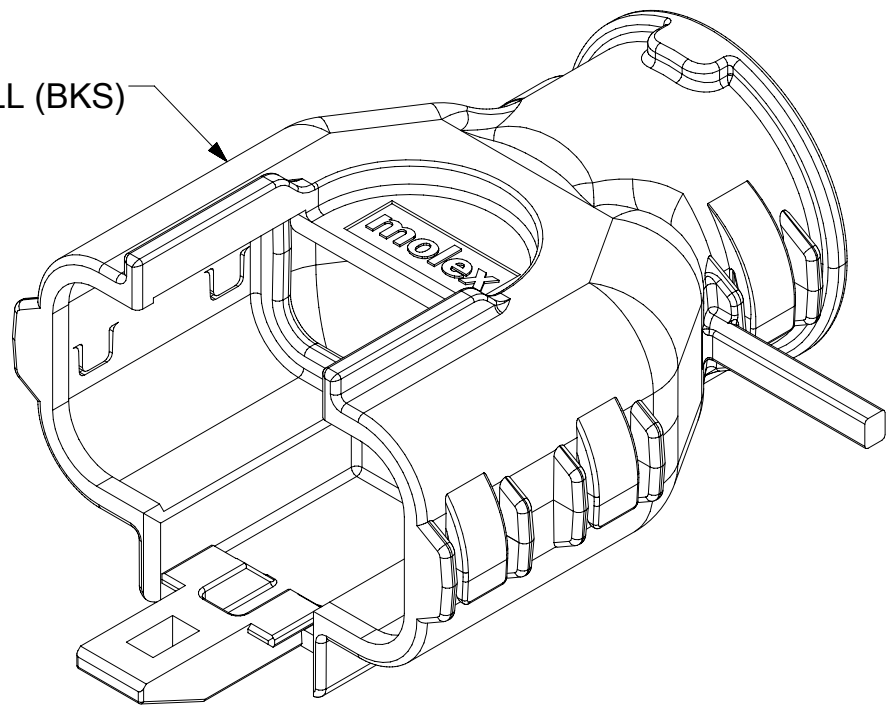
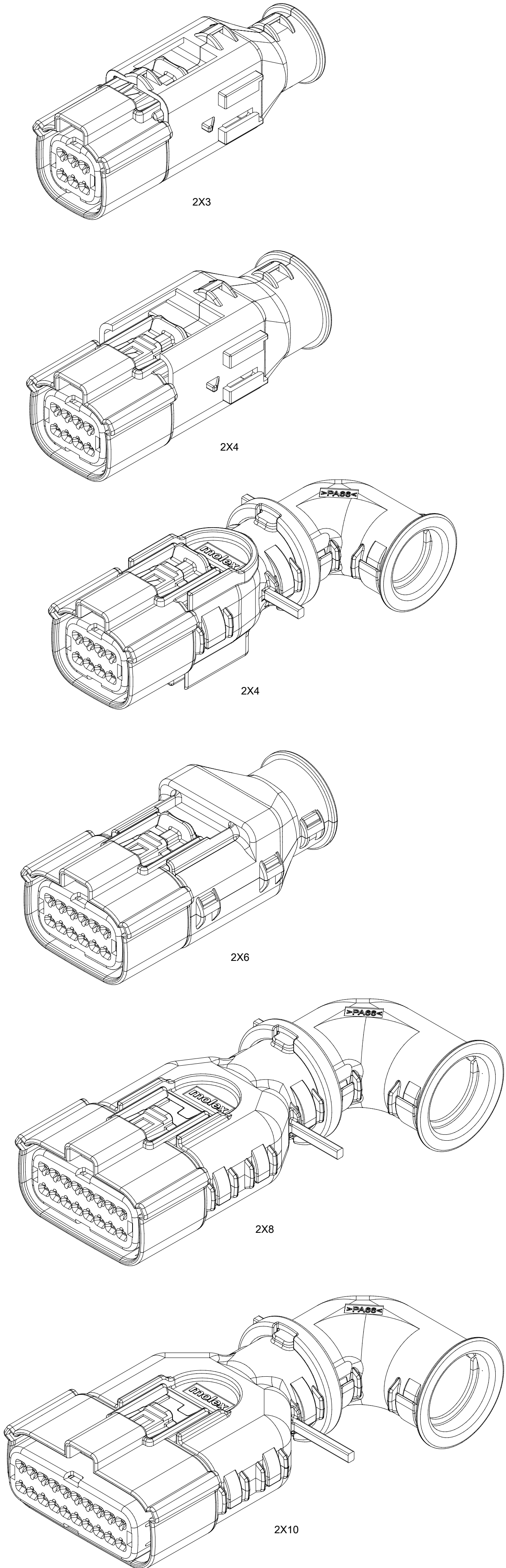
MX150 CIRCUIT SIZE 04, 06, 08, 12, 16, 20

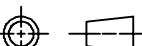
RECEPTACLE SEALED ASSEMBLY

BACKSHELL (BKS)

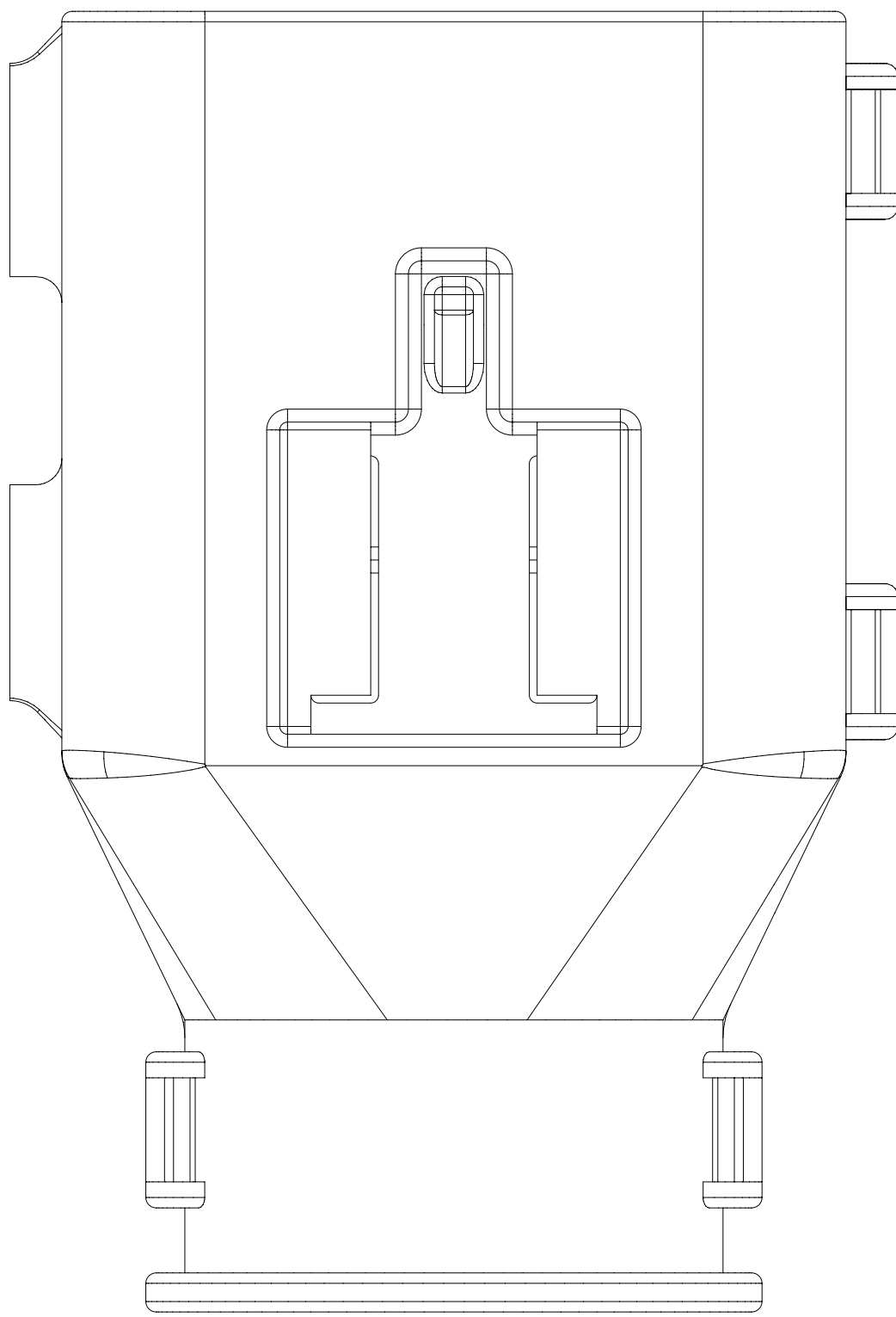
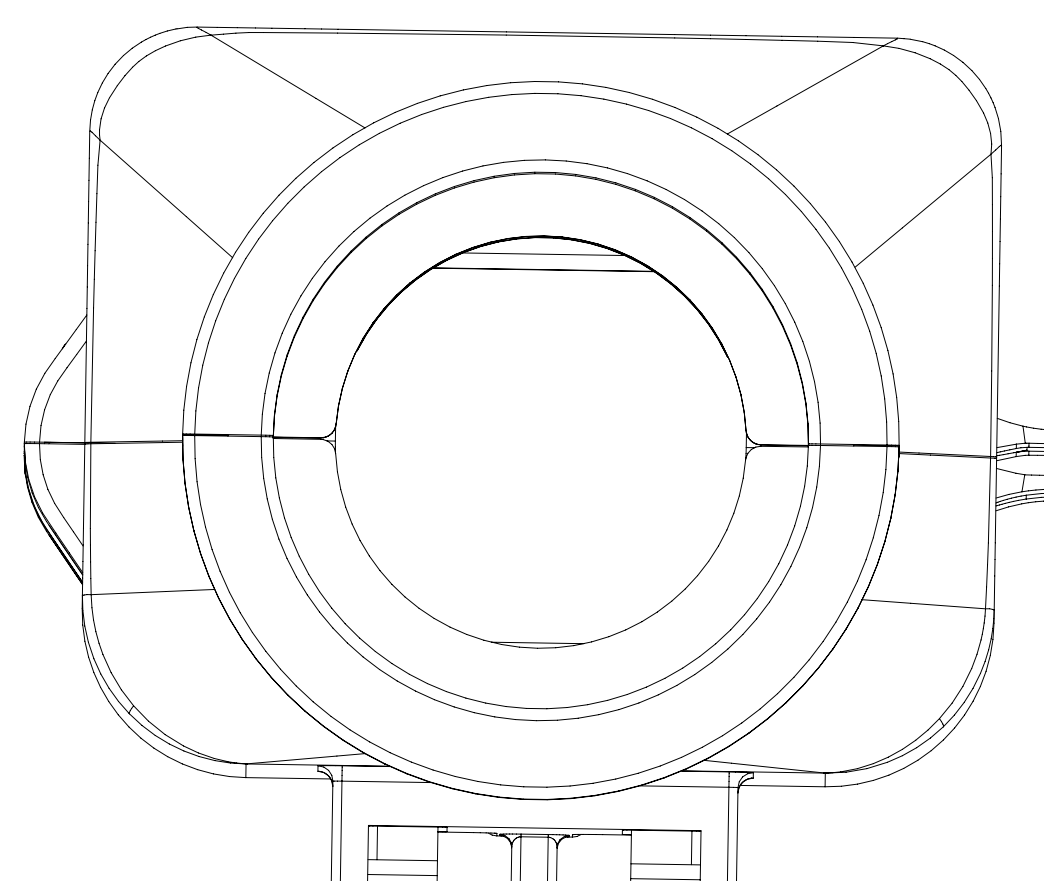
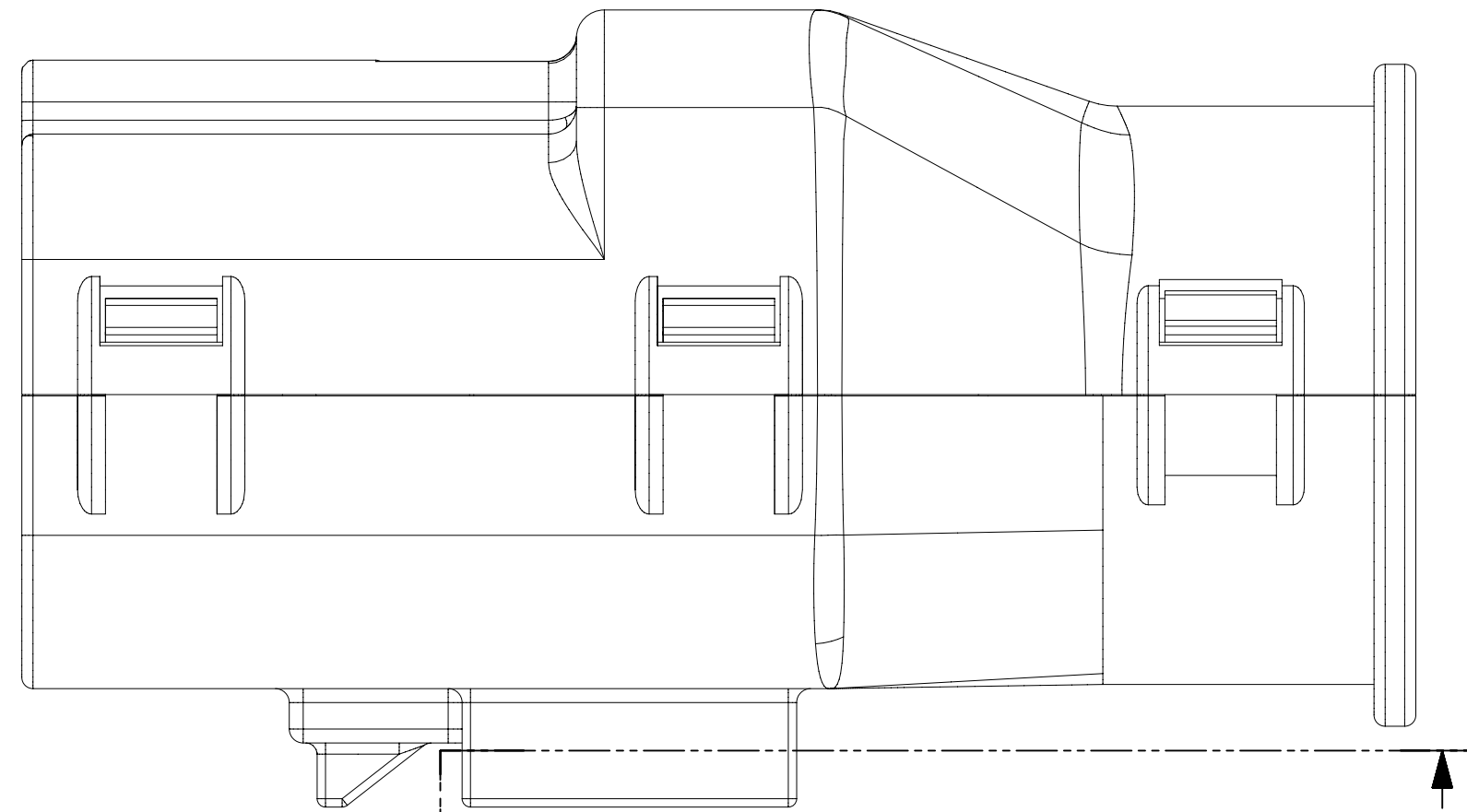
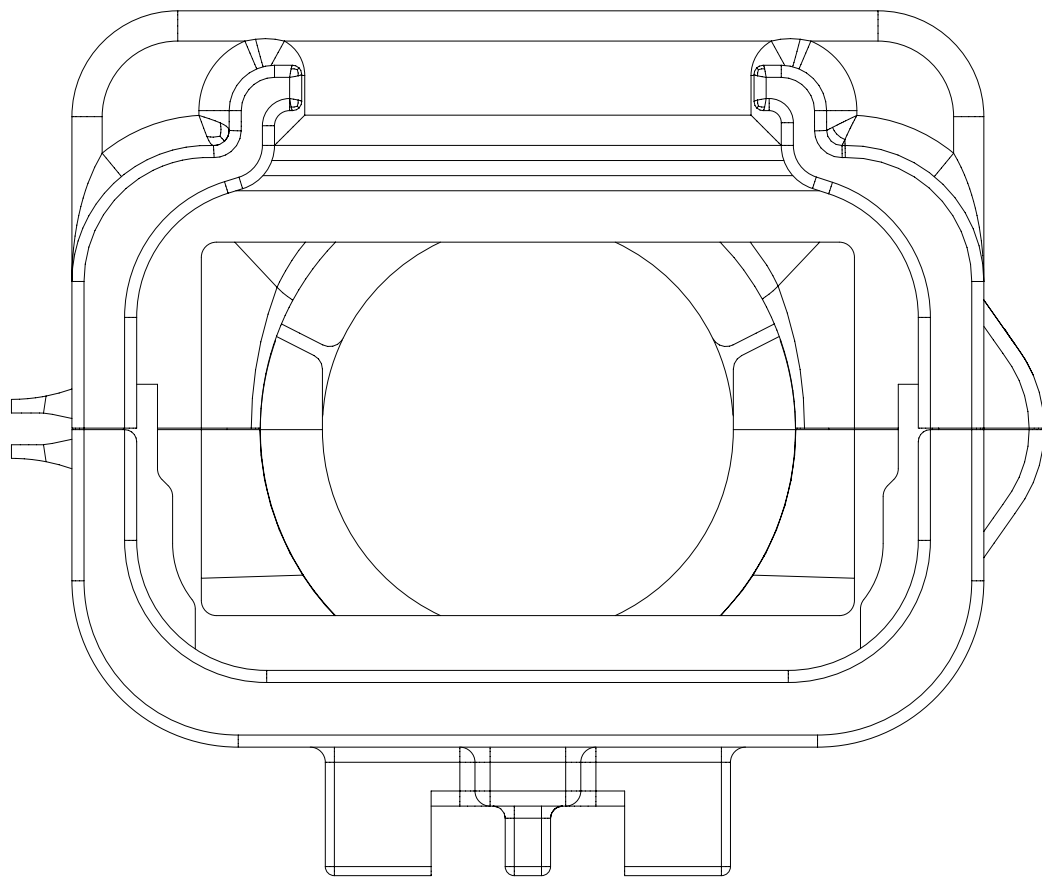
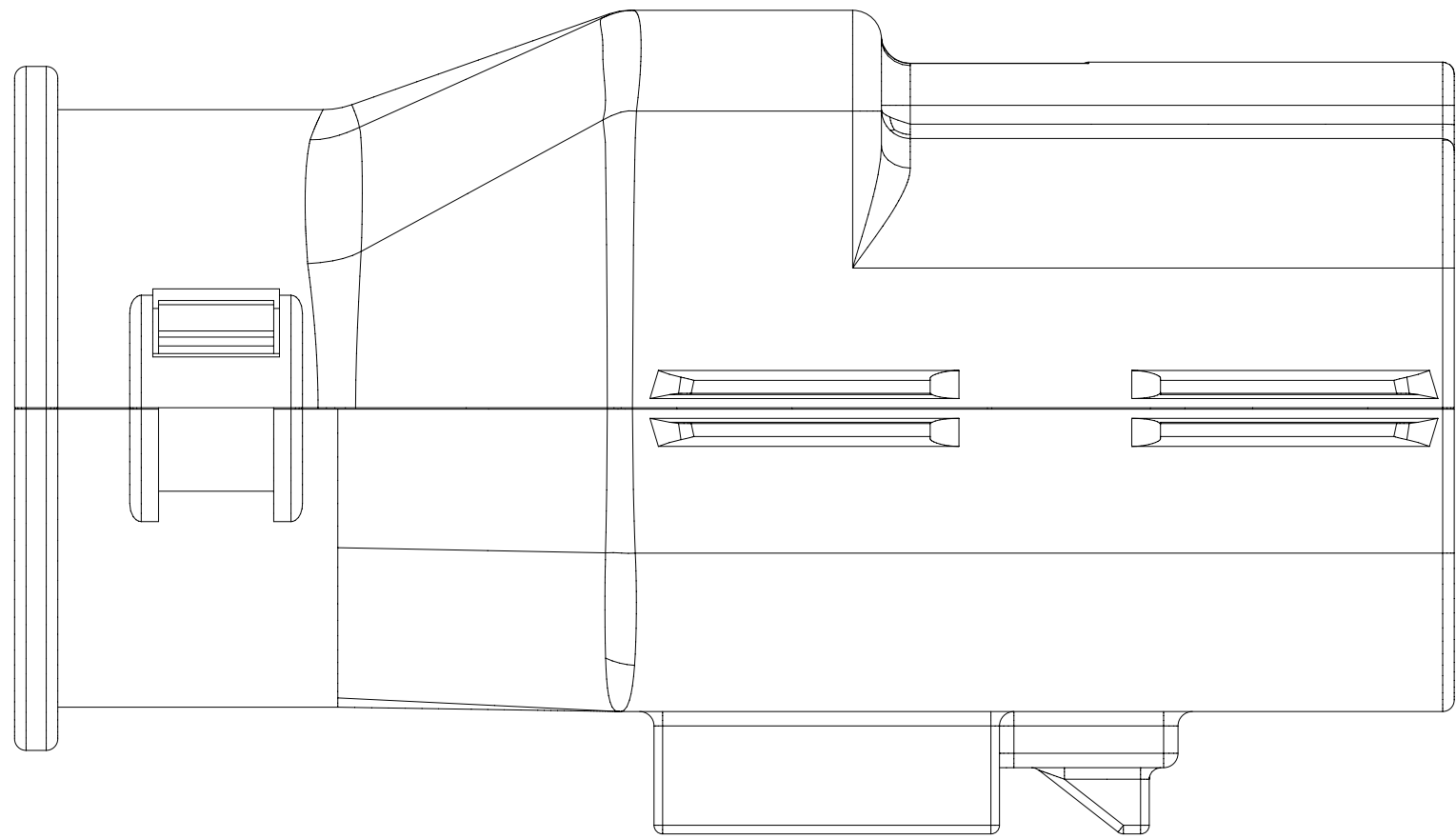
SCALE 2:1

90° ADAPTOR



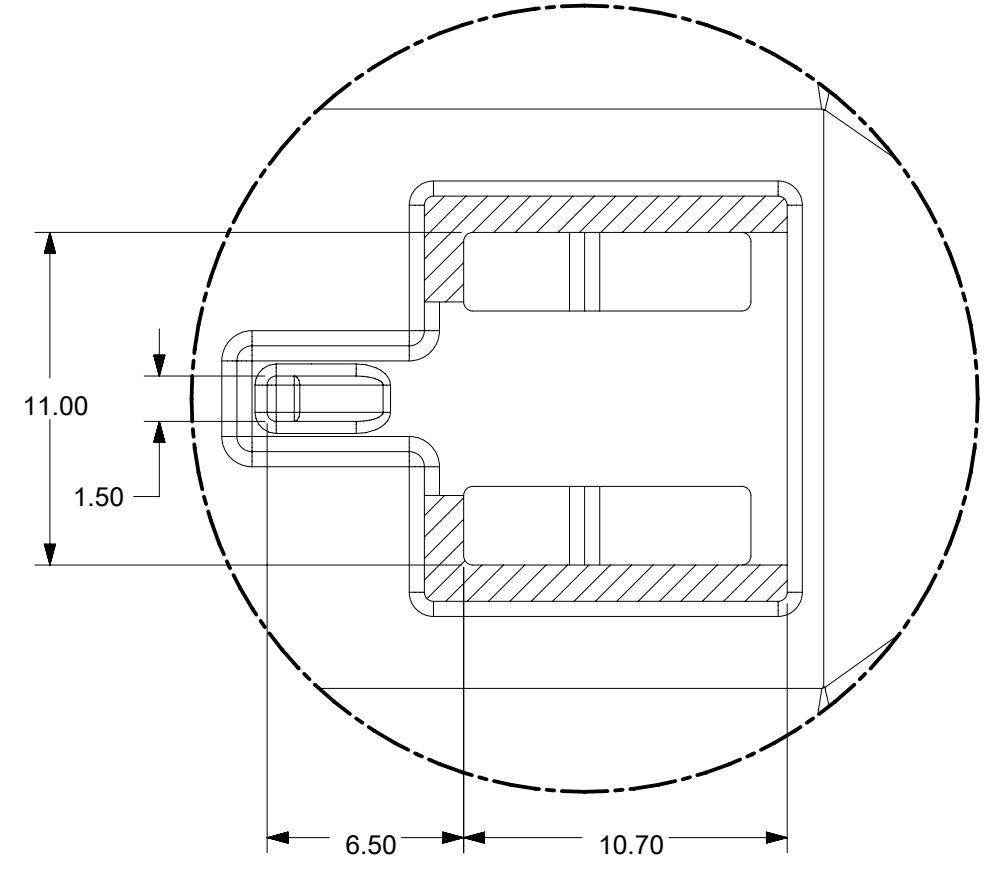
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	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 171650 DRWN: DDEB 2018/01/19 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/05/14 APPR: VKOSHY 2014/06/27 THIRD ANGLE PROJECTION  DRAWING A1-SIZE SERIES 33472			molex MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-33472-0001 DOC TYPE PSD DOC PART 001 REVISION C2			SHEET NUMBER 6 OF 11	
	mm		1.5:1									
	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											

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL	



V

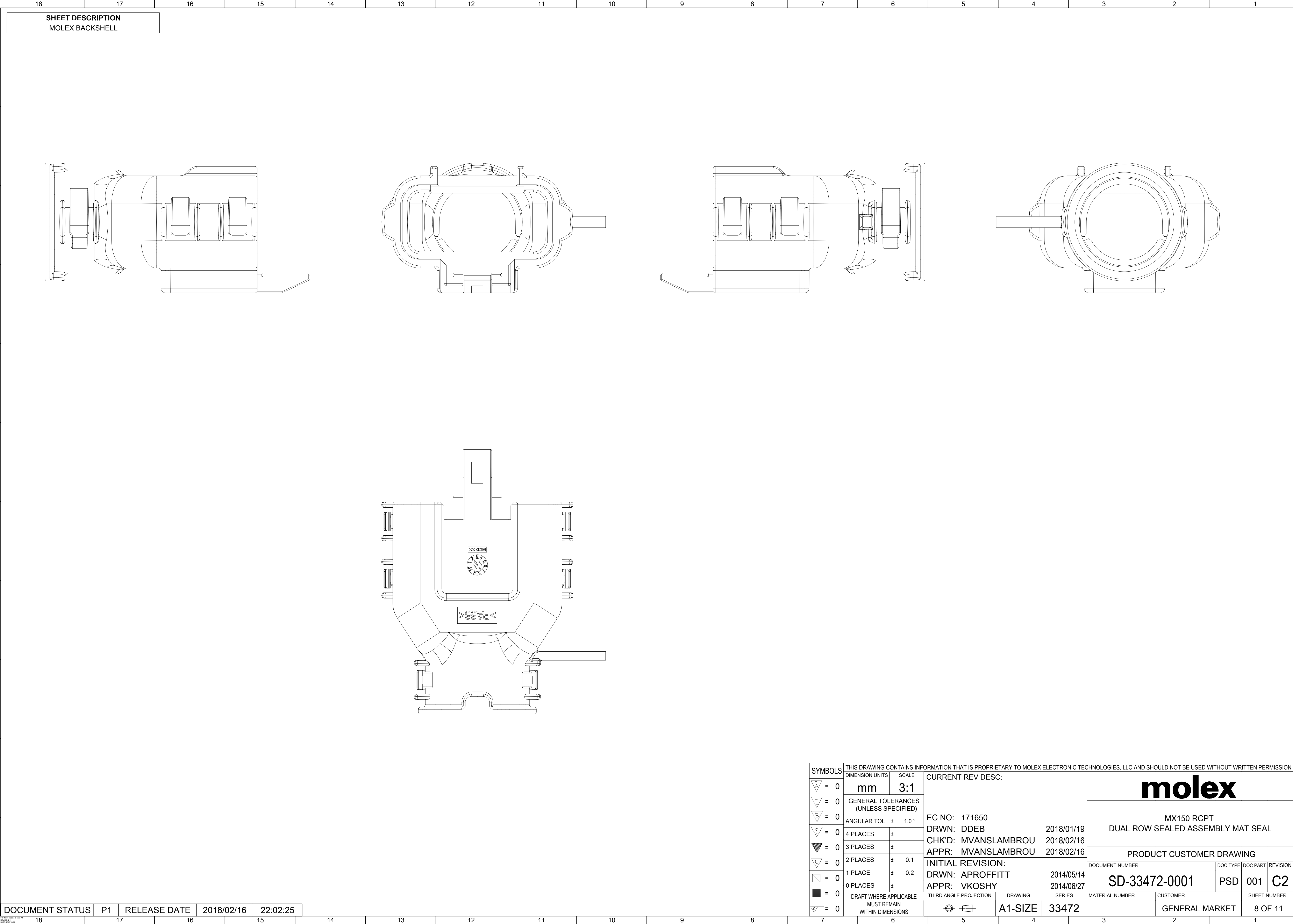
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Partial V-V
SCALE 4:1

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
		DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex									
= 0		mm				4:1		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						MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL							
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)																			
= 0		ANGULAR TOL ± 1.0 °												PRODUCT CUSTOMER DRAWING							
= 0		4 PLACES		±														DOCUMENT NUMBER		DOC TYPE	
= 0		3 PLACES		±										SD-33472-0001		PSD		001		C2	
= 0		2 PLACES		± 0.1				THIRD ANGLE PROJECTION						MATERIAL NUMBER				CUSTOMER		SHEET NUMBER	
= 0		1 PLACE		± 0.2																	
= 0		0 PLACES		±				DRAWING		SERIES		GENERAL MARKET				7 OF 11					
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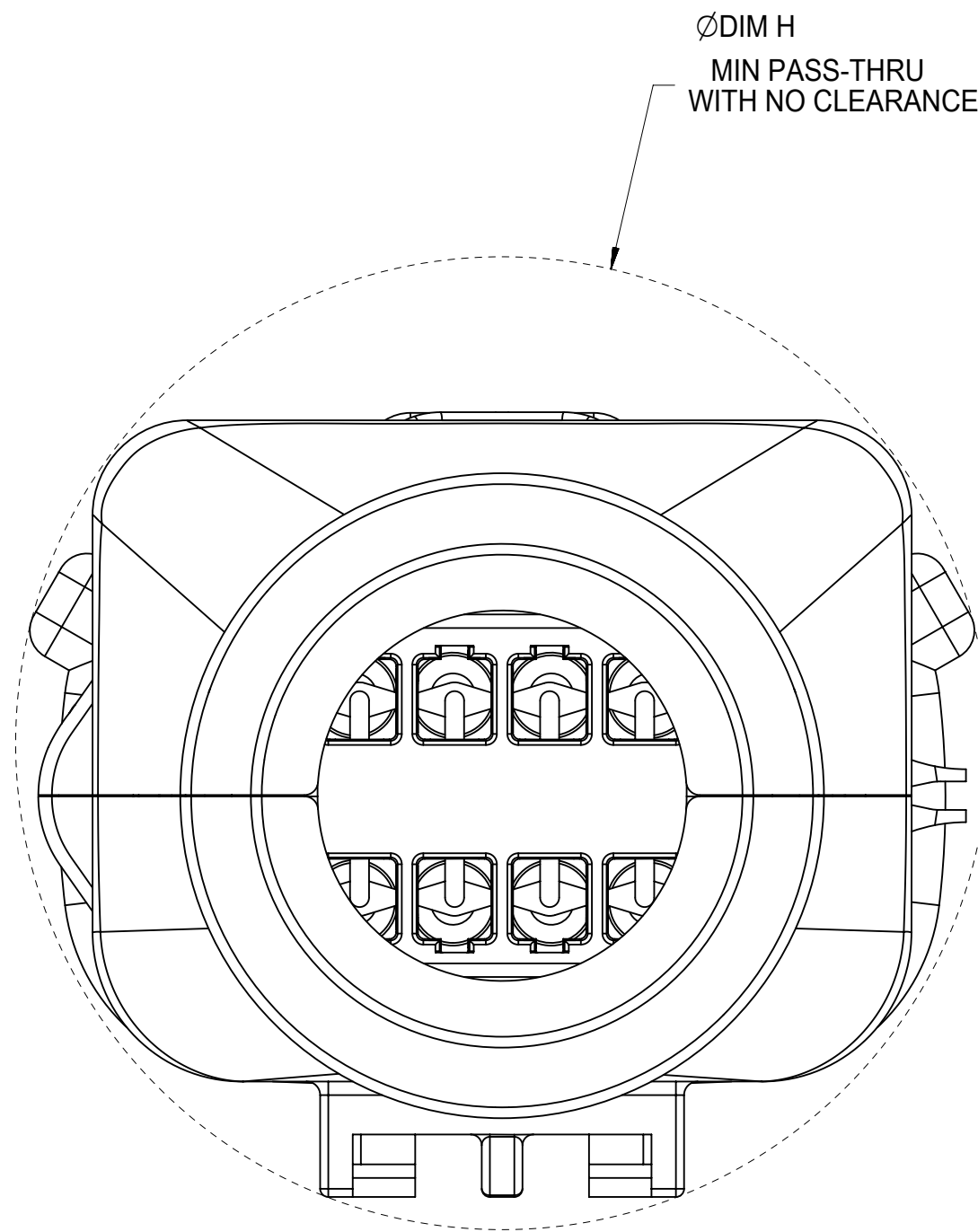
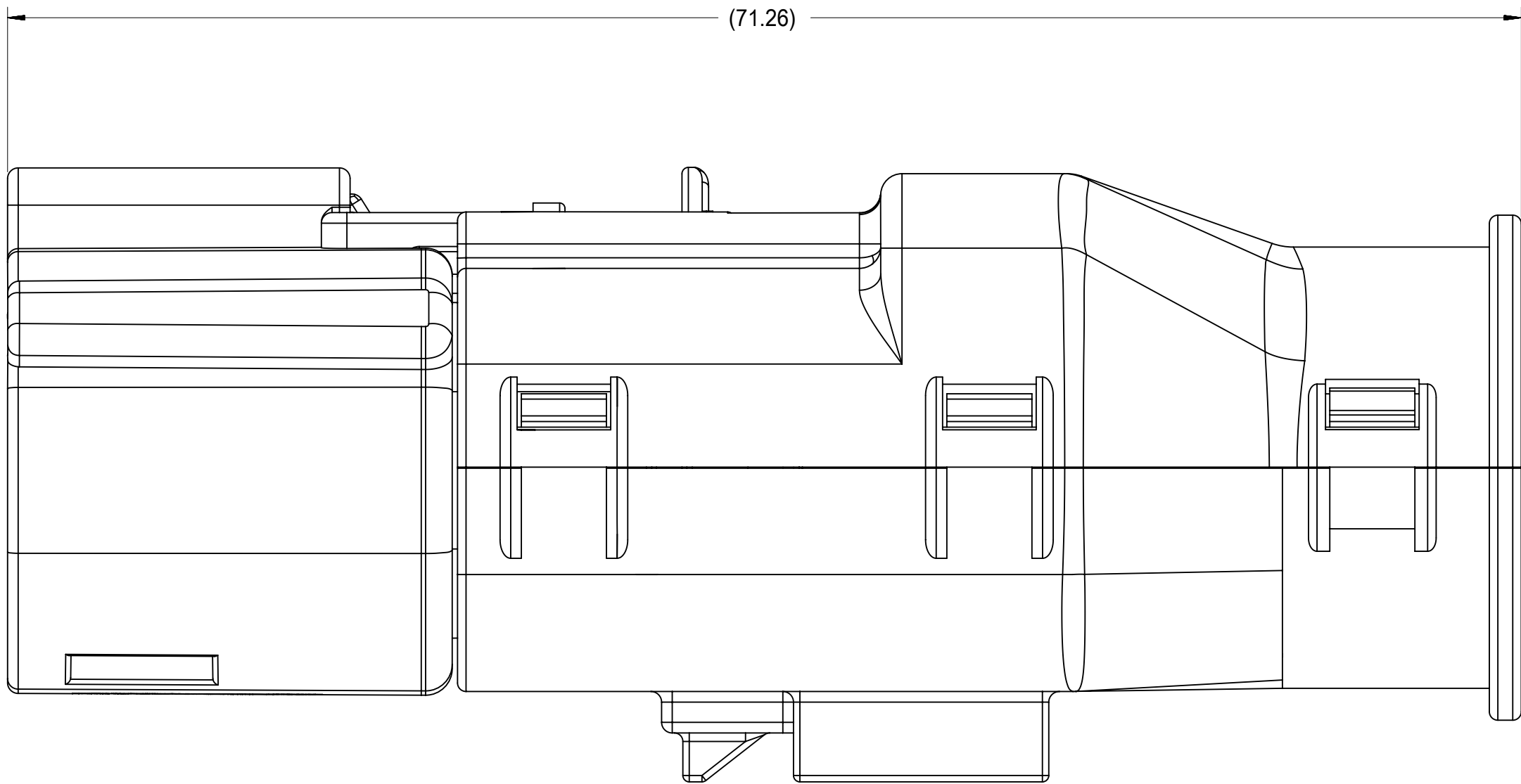
DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16 22:02:25
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18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

FD

= 0

FE

= 0

FF

= 0

FG

= 0

FH

= 0

FI

= 0

FJ

= 0

FK

= 0

FL

= 0

EC NO: 171650

DRWN: DDEB

CHKD: MYANSLAMBROU

APPR: MYANSLAMBROU

2018/01/19

2018/02/16

2018/02/16

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.1

1 PLACE ± 0.2

0 PLACES ±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

mm

4:1

APPROFIT

2014/05/14

KBORUSZEWSKI

2014/06/16

VKOSHY

2014/06/27

A1

THIRD ANGLE PROJECTION

molex®

MX150 RCPT
DUAL ROW SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

33472

GENERAL MARKET

DOCUMENT NUMBER

DOC TYPE

DOC PART

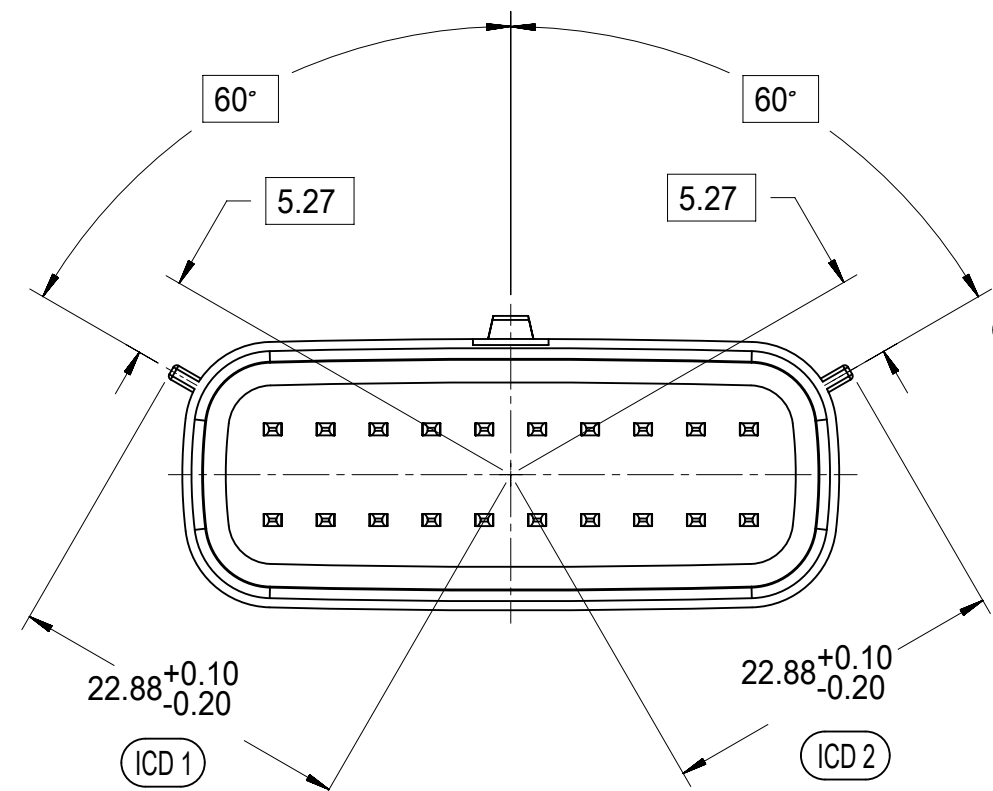
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SD-33472-0001

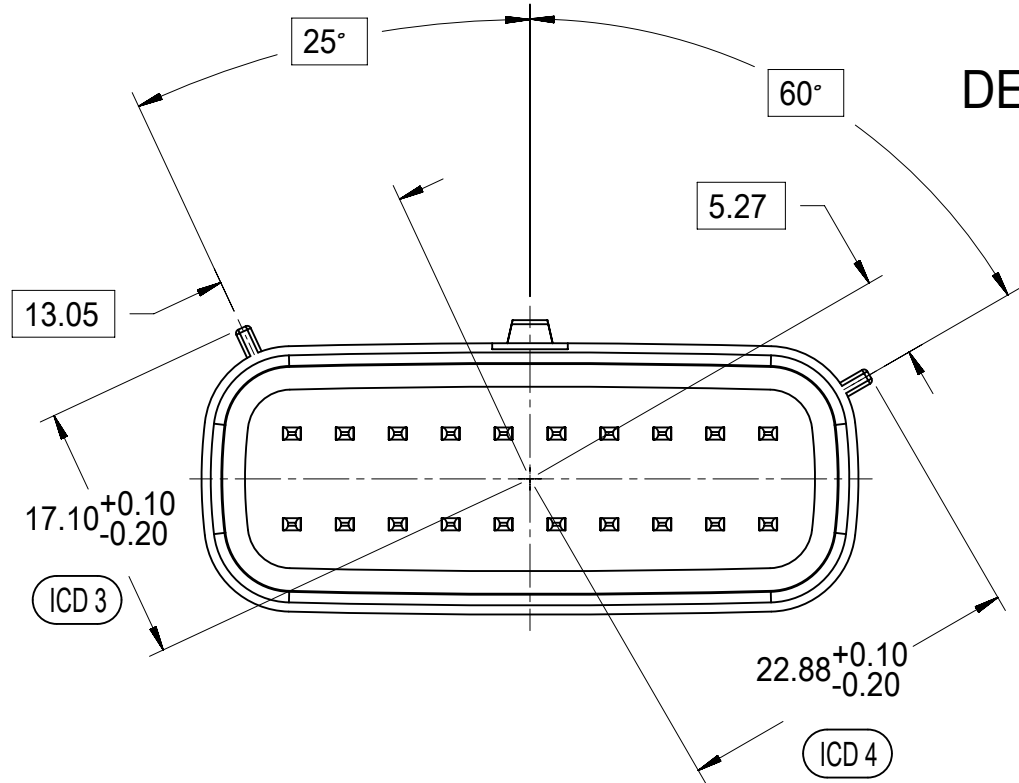
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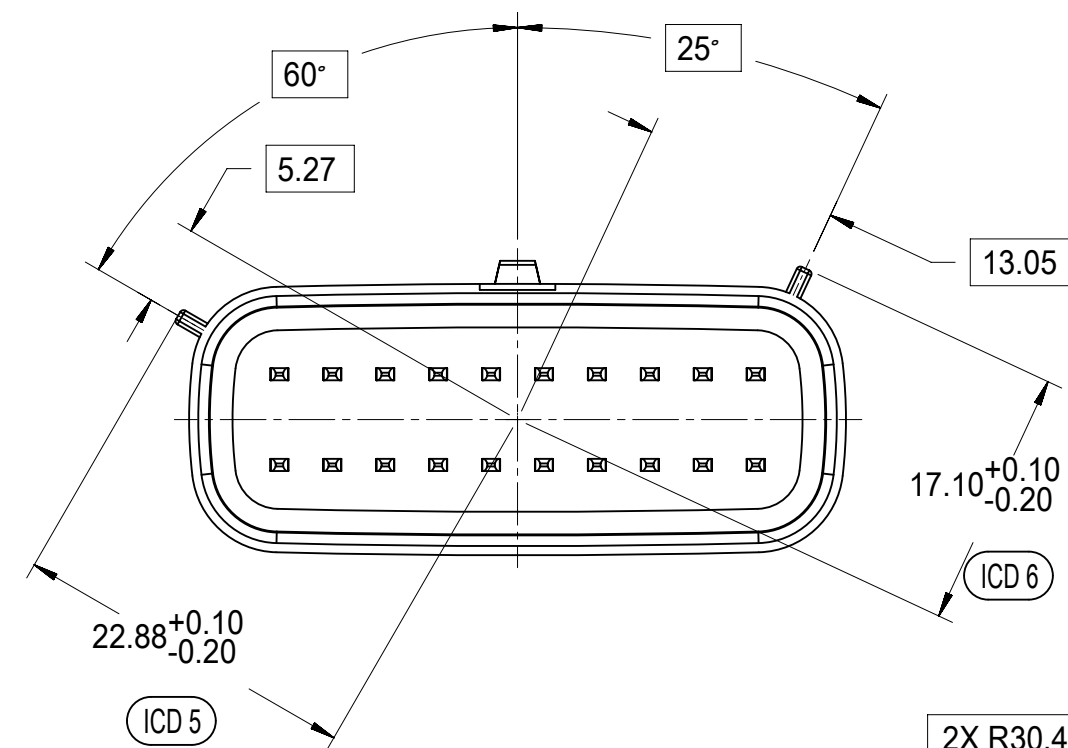
9 OF 11



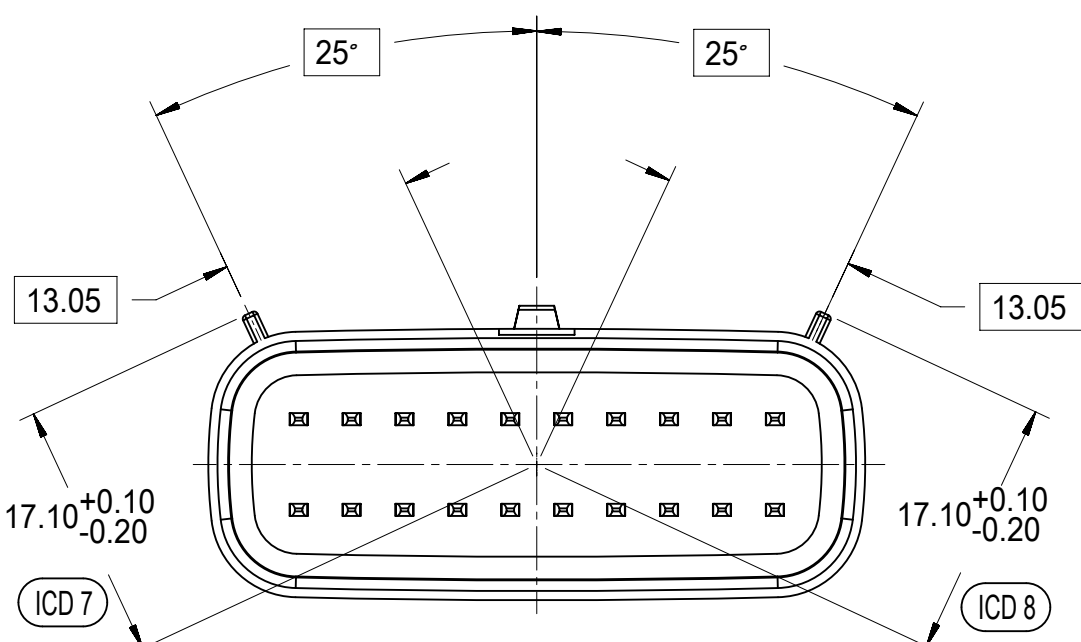
KEYING OPTION A
SCALE 4:1



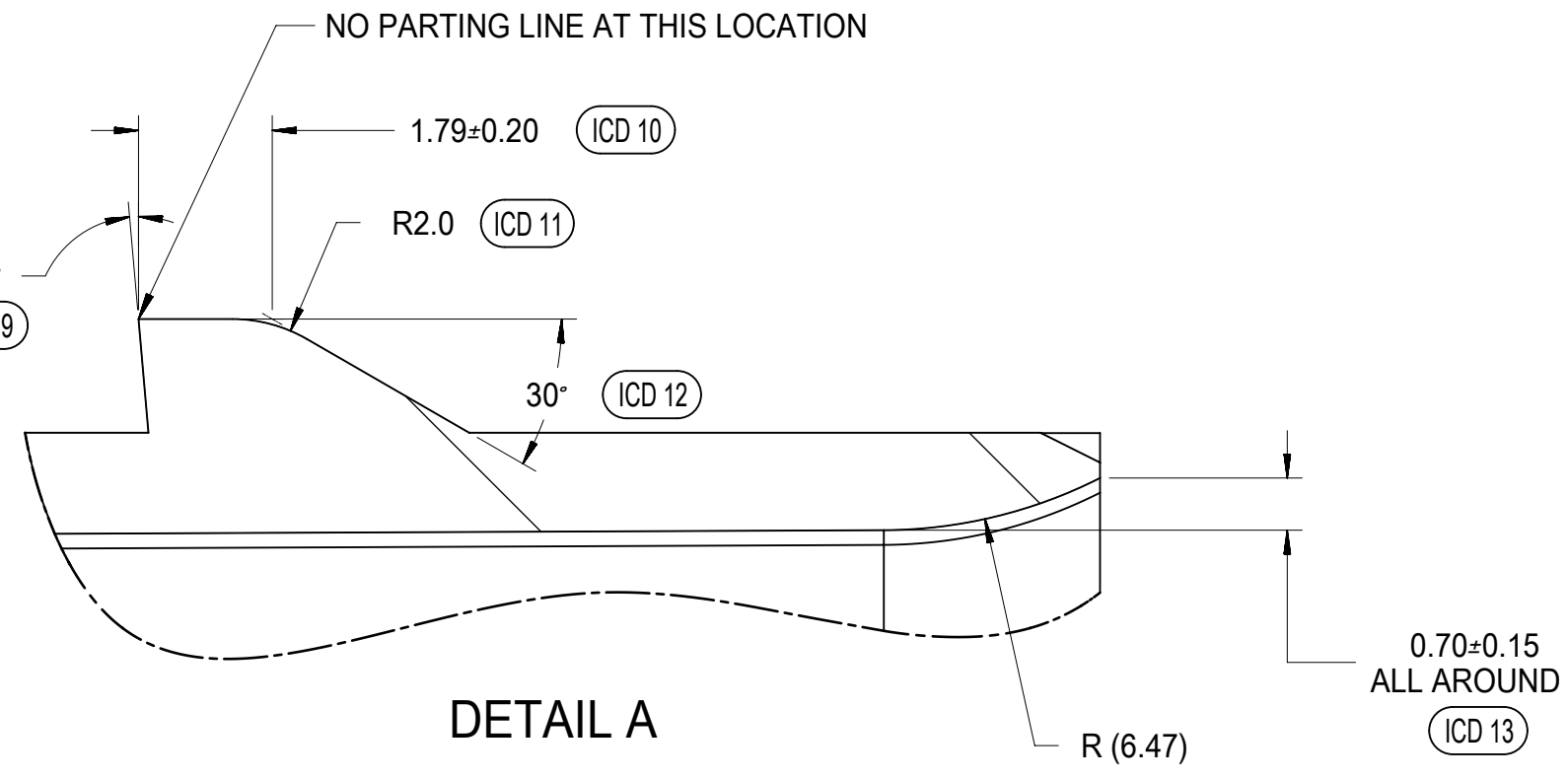
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SCALE 4:1



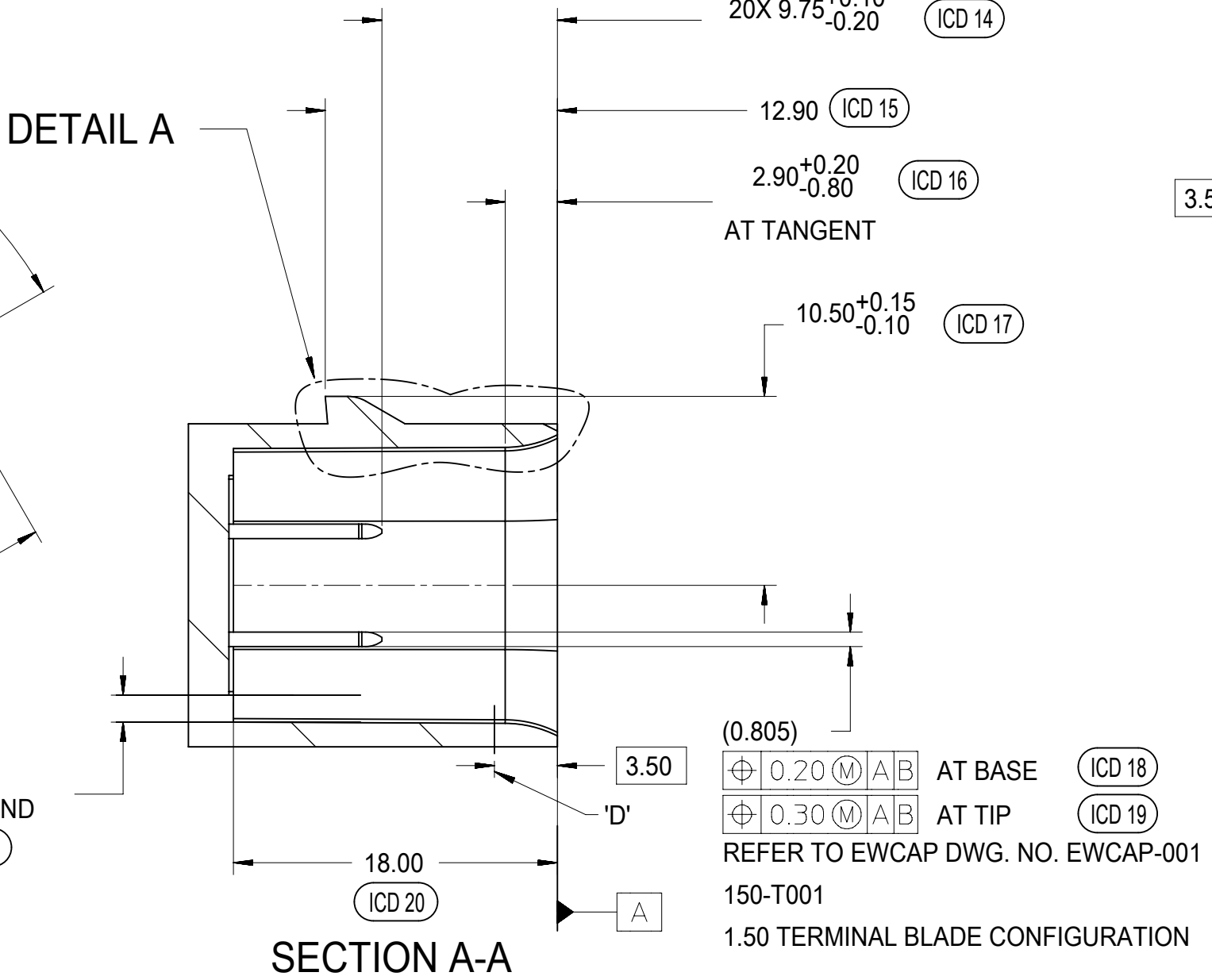
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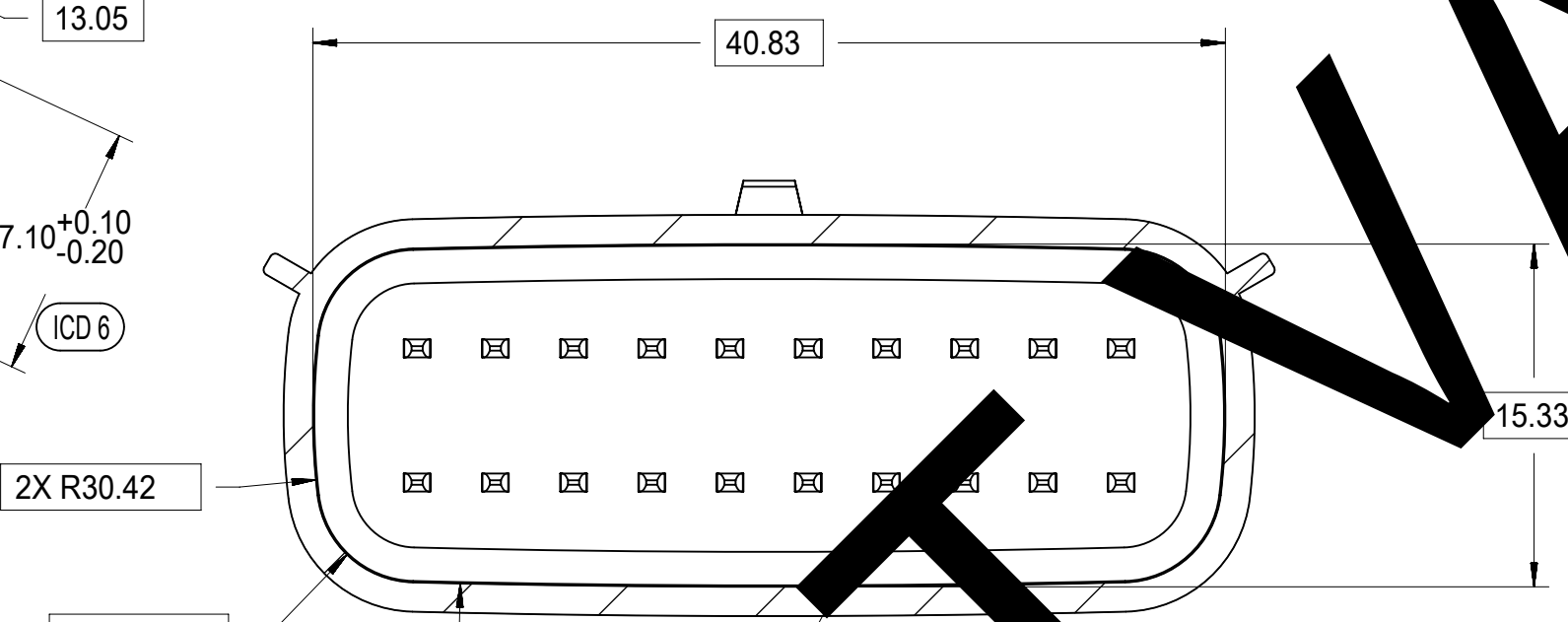
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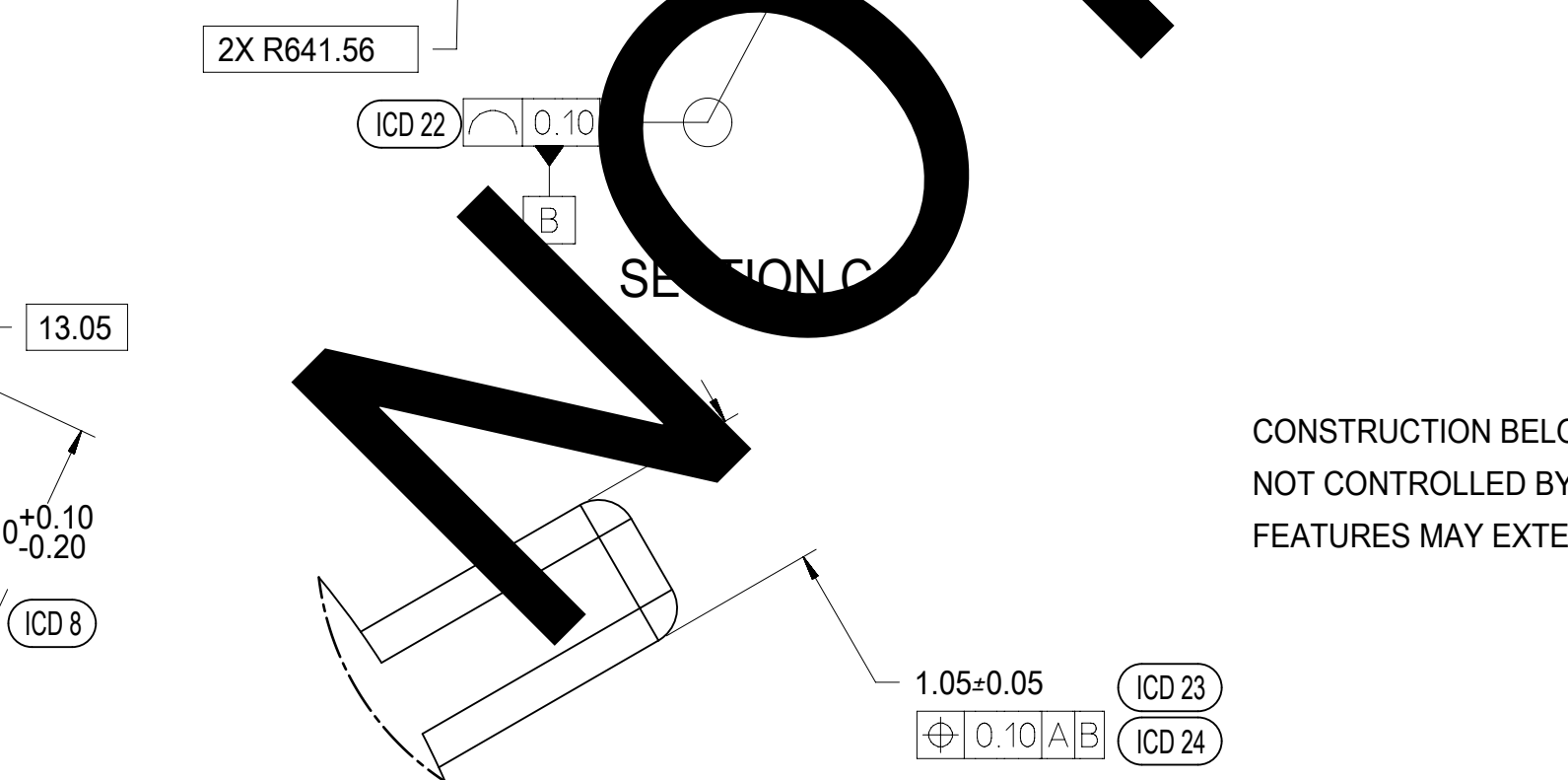
DETAIL A
SCALE 10:1



SECTION A-A

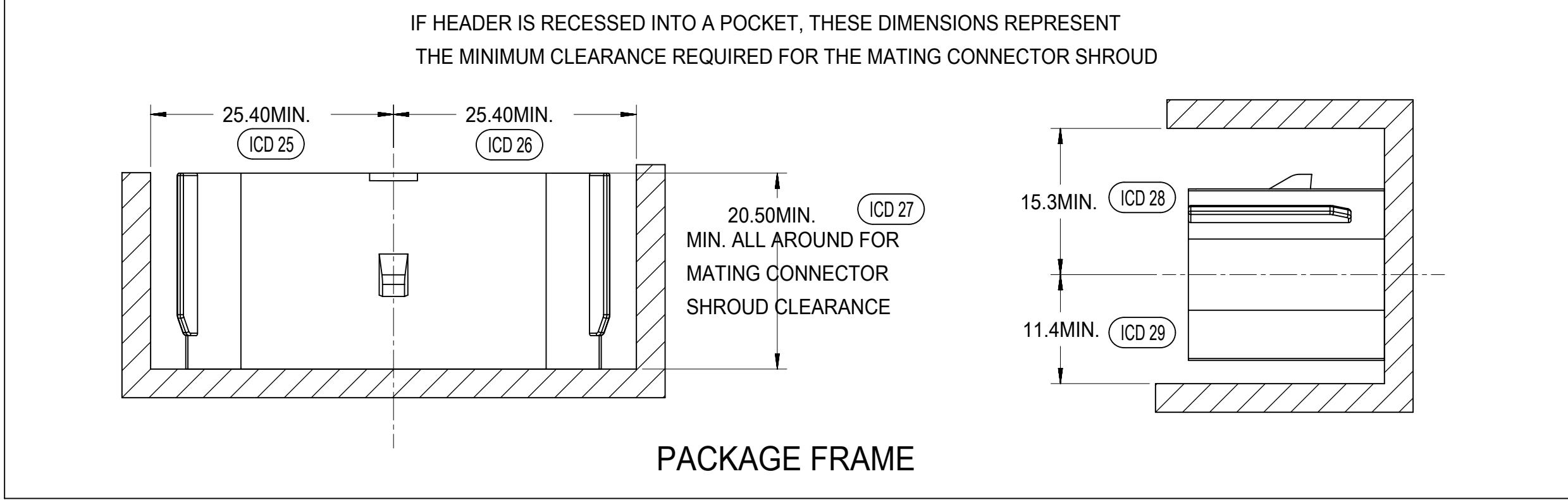


SECTION B-B

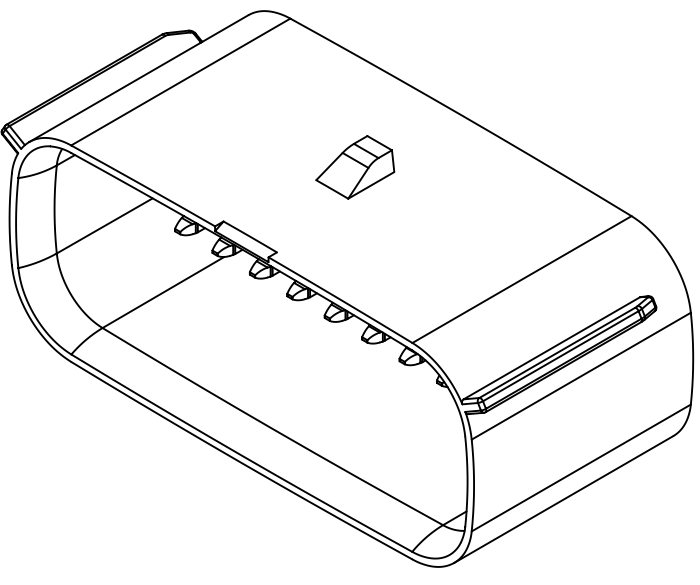


DETAIL C
SCALE 20:1

APPLIES 2X
SEE KEYING OPTION VIEWS
FOR POSITIONS



PACKAGE FRAME



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 IT'S 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

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:									
= 0		mm		1:1											
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL									
= 0		ANGULAR TOL ± 1.0°													
= 0		4 PLACES		±								EC NO: 171650			
= 0		3 PLACES		±		DRWN: DDEB		2018/01/19							
= 0		2 PLACES		± 0.1		CHK'D: MVANSLAMBROU		2018/02/16							
= 0		1 PLACE		± 0.2		APPR: MVANSLAMBROU		2018/02/16							
= 0		0 PLACES		±		INITIAL REVISION:									
= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: APROFFITT		2014/05/14							
= 0						APPR: VKOSHY		2014/06/27							
= 0		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REV	
= 0				A1-SIZE		33472		SD-33472-0001		PSD		001		C	
= 0								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
= 0										GENERAL MARKET				11 OF	

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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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

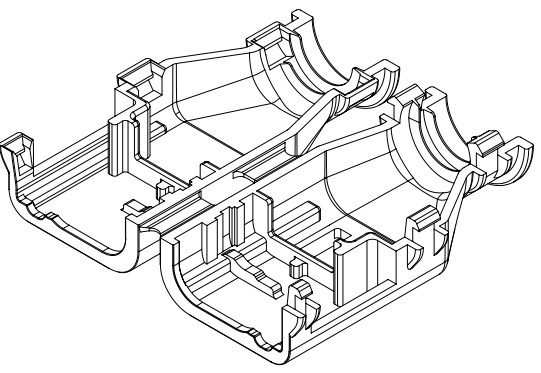
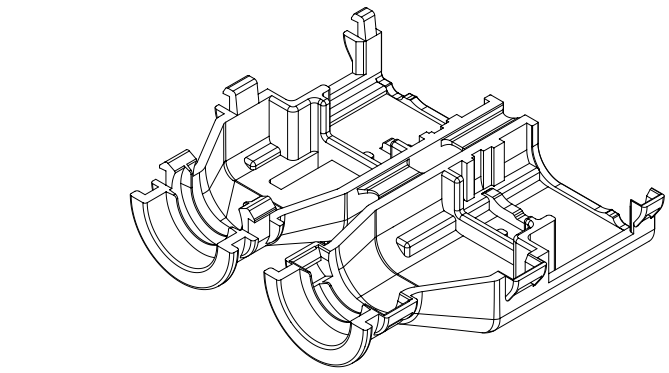
2. DESIGN - MATERIALS:

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

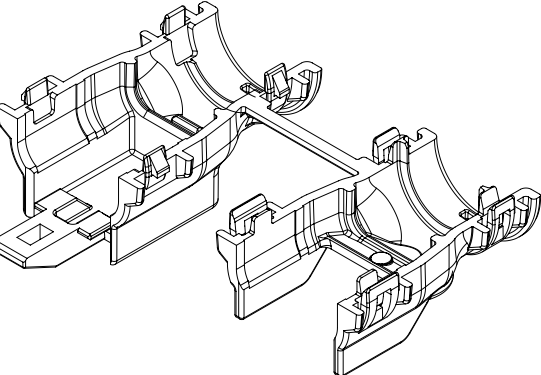
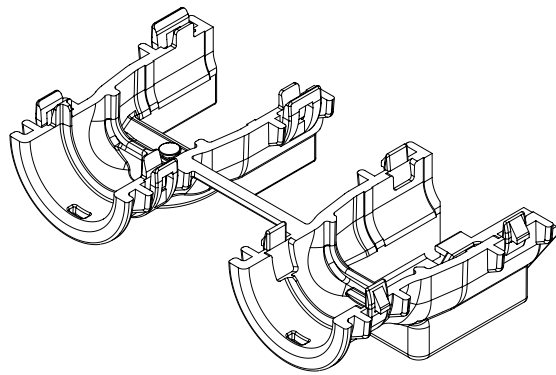
3. DESIGN GEOMETRY:

- 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.

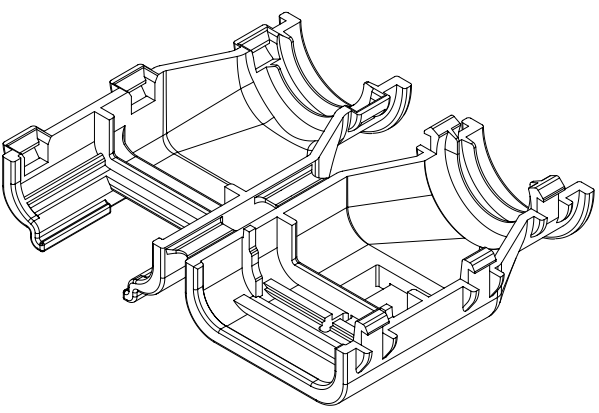
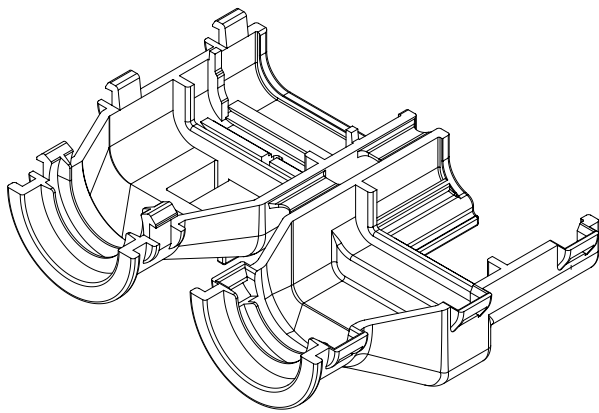
BILL OF MATERIALS (BOM)								
DESCRIPTION	PART NUMBER	CIRCUIT SIZE	COLOR	RIBS	CONVOLUTE SIZE	PACKAGING DRAWING NUMBER	STATUS	MANUFACTURER
2X3, WITH RIB	34951-0610	2X3	BLACK	YES	9 mm DELPHI	PK-31302-118	SALEABLE	OUTSOURCED MFG
2X3, WITHOUT RIB	34951-0620	2X3	BLACK	NO	9 mm DELPHI	PK-31302-118	SALEABLE	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



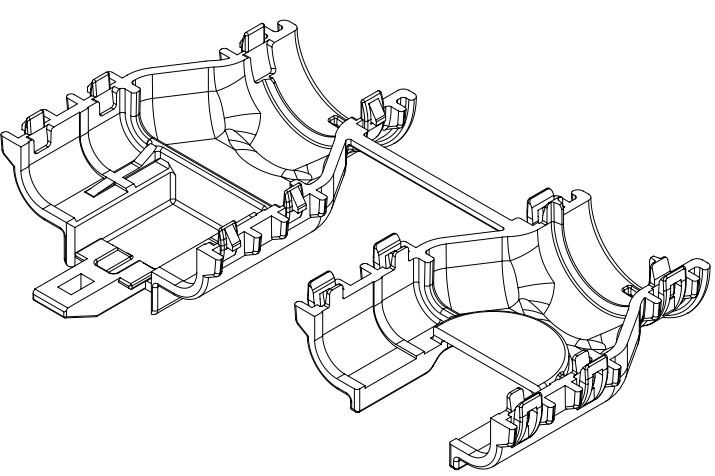
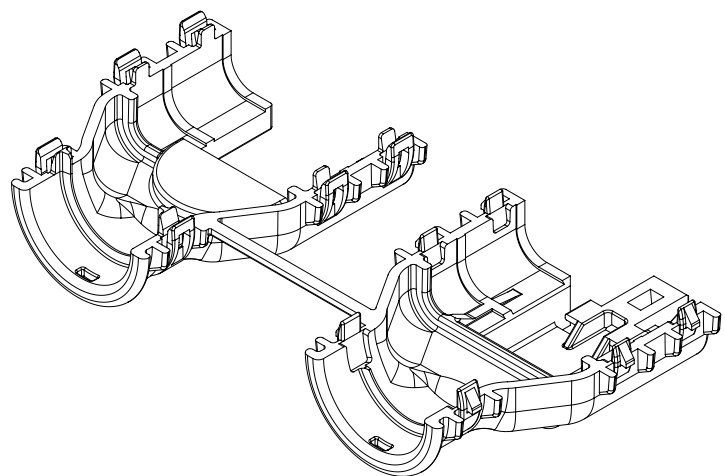
2X3 RECEPTACLE



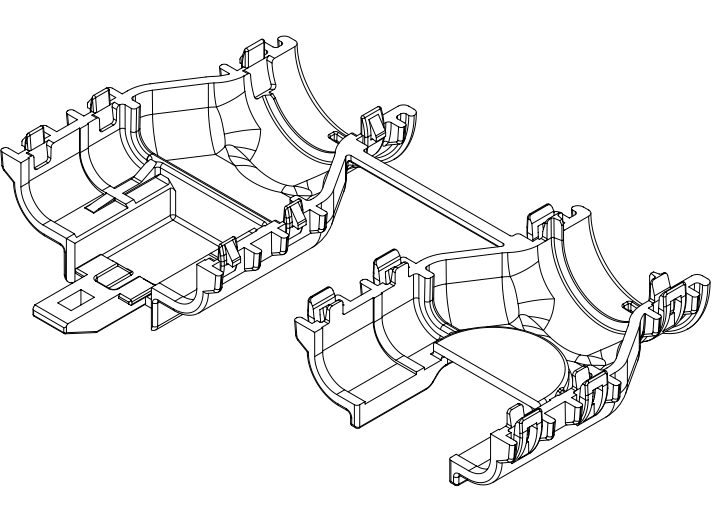
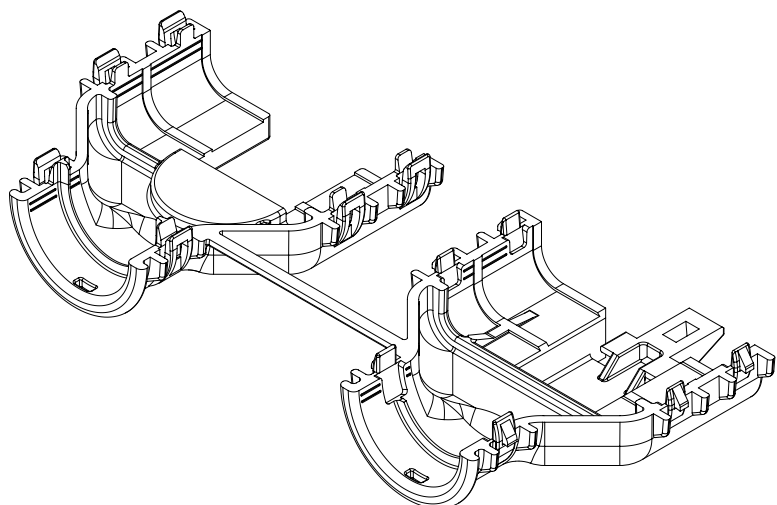
2X4 RECEPTACLE



2X6 RECEPTACLE



2X8 RECEPTACLE

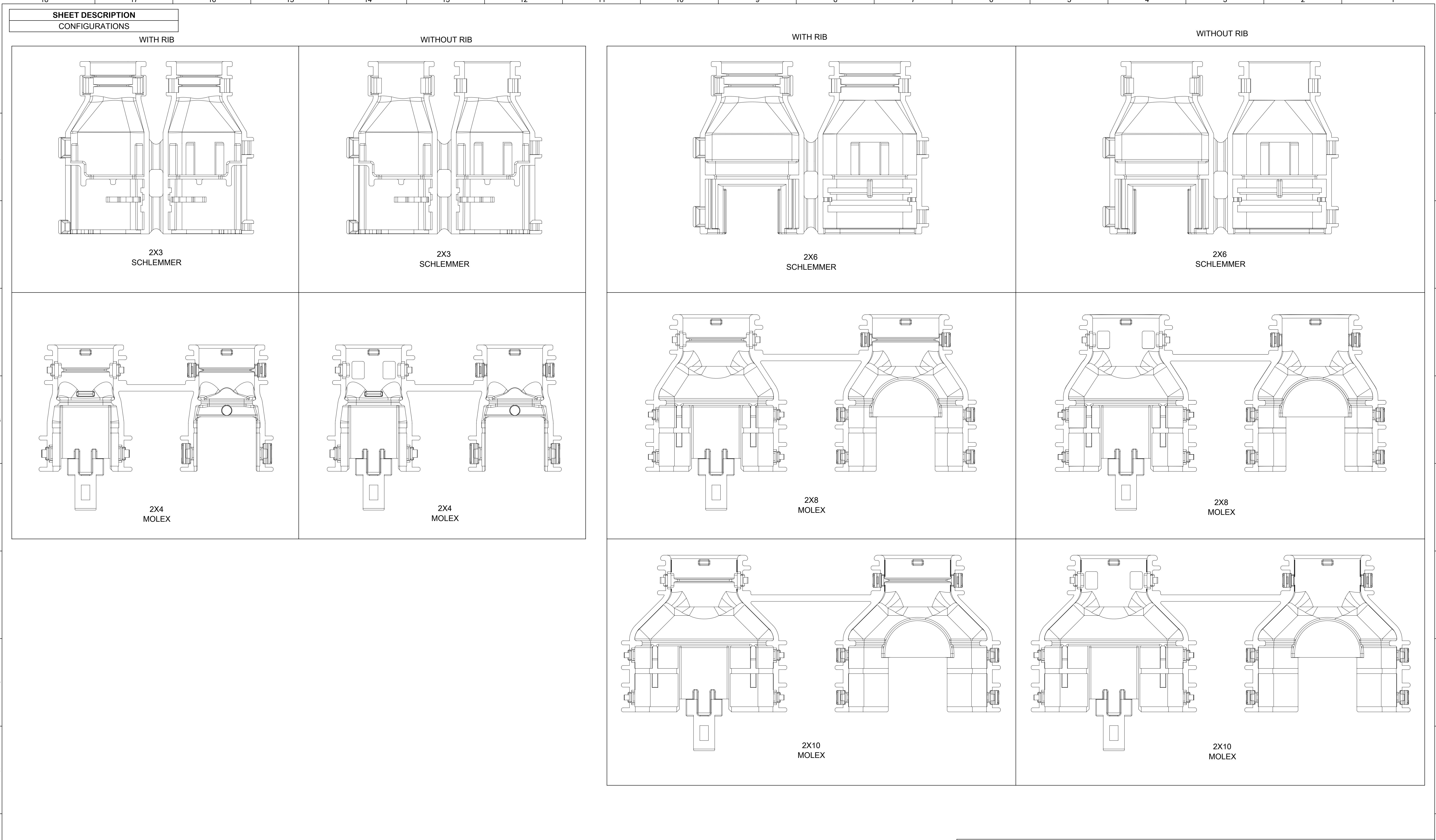


2X10 RECEPTACLE

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

INSPECTION NUMBER LOG	
LAST NUMBER: 1 - 5	
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50 67	
REMOVED: 40 44	

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®							
				mm		1:1									
		ANGULAR TOL ± 3.0 °		DAHALL		2013/03/27									
		4 PLACES ±		CHK'D BY		DATE		MX150 DUAL ROW RECPT BACKSHELLS							
		3 PLACES ±													
		2 PLACES ± 0.1		APPR BY		DATE		PRODUCT CUSTOMER DRAWING							
		1 PLACE ± 0.2		VKOSHY		2013/04/08									
		0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER			CUSTOMER		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				34951		GENERAL MARKET					
B10		REV		RELEASE STATUS				P1		RELEASE DATE		2020/02/26		00:51:11	



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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)

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

DIMENSION UNITS

mm

DRWN BY

DAHALL

CHK'D BY

DATE

APPR BY

DATE

DRAWING SIZE

THIRD ANGLE PROJECTION

SCALE

2:1

2013/03/27

2013/04/08

molex®

MX150 DUAL ROW RECPT BACKSHELLS

PRODUCT CUSTOMER DRAWING

SERIES

34951

DOCUMENT NUMBER

SD-34951-0001

DOC TYPE

PSD

DOC PART

001

SHEET NUMBER

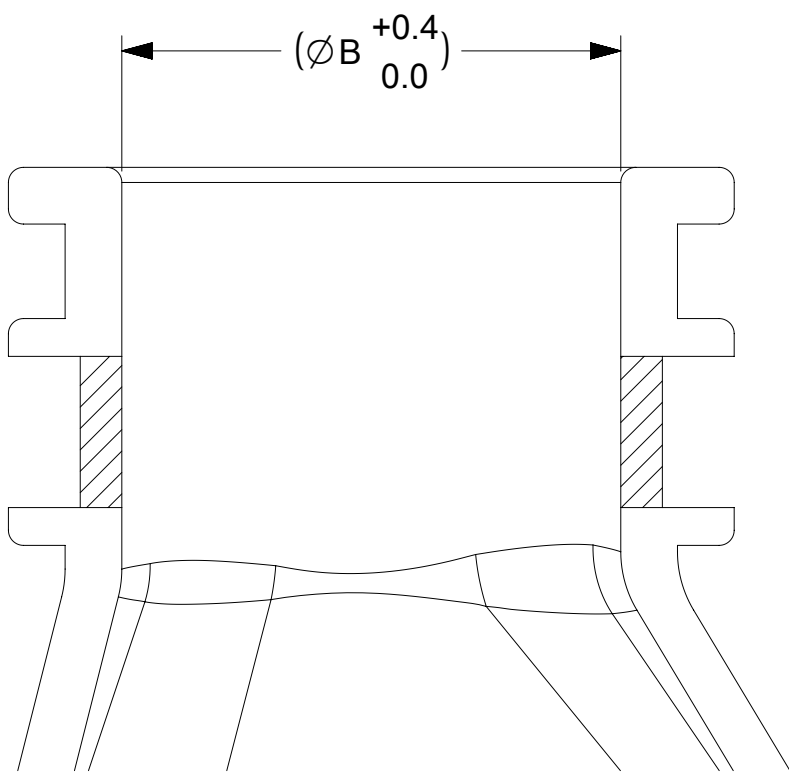
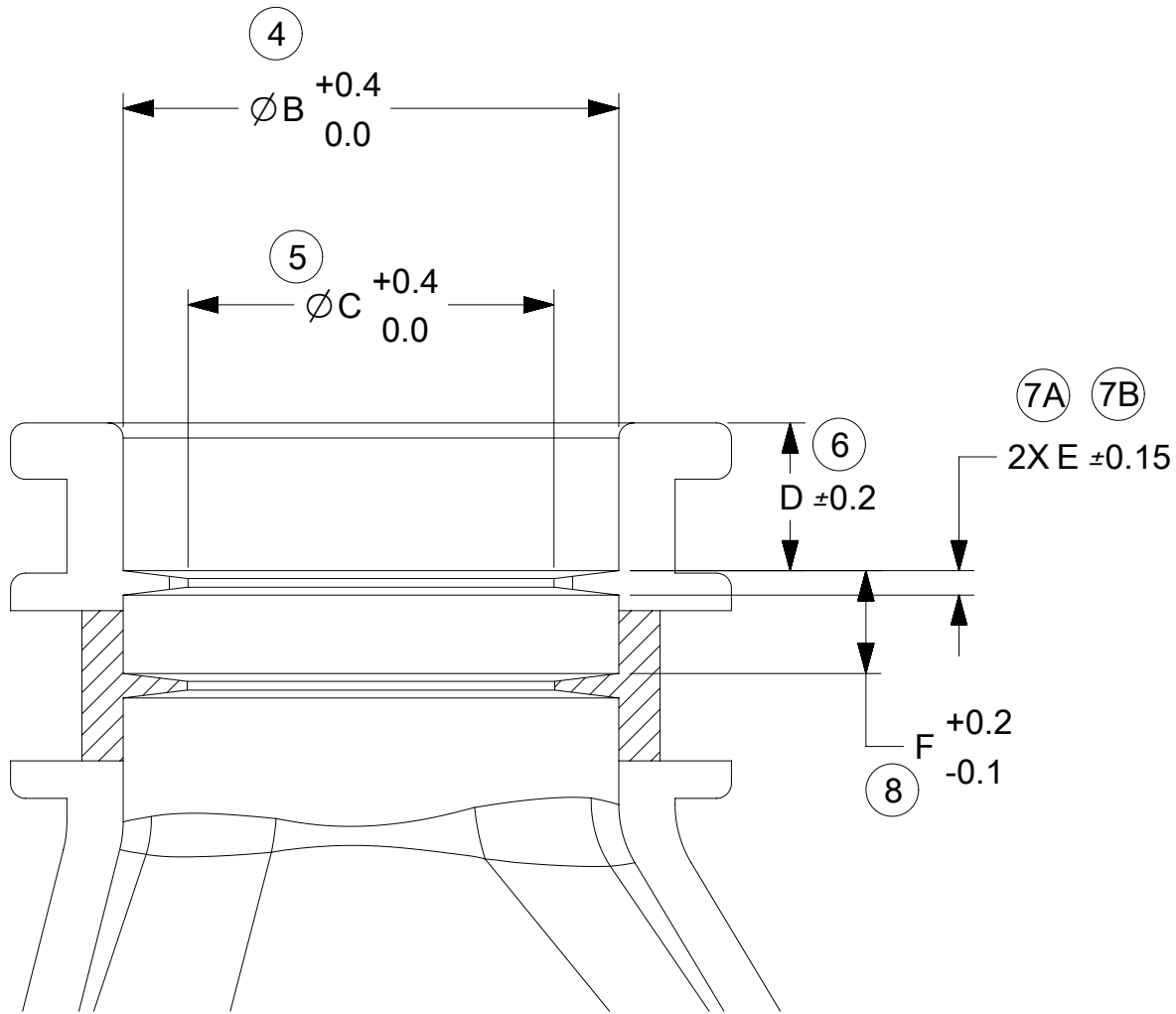
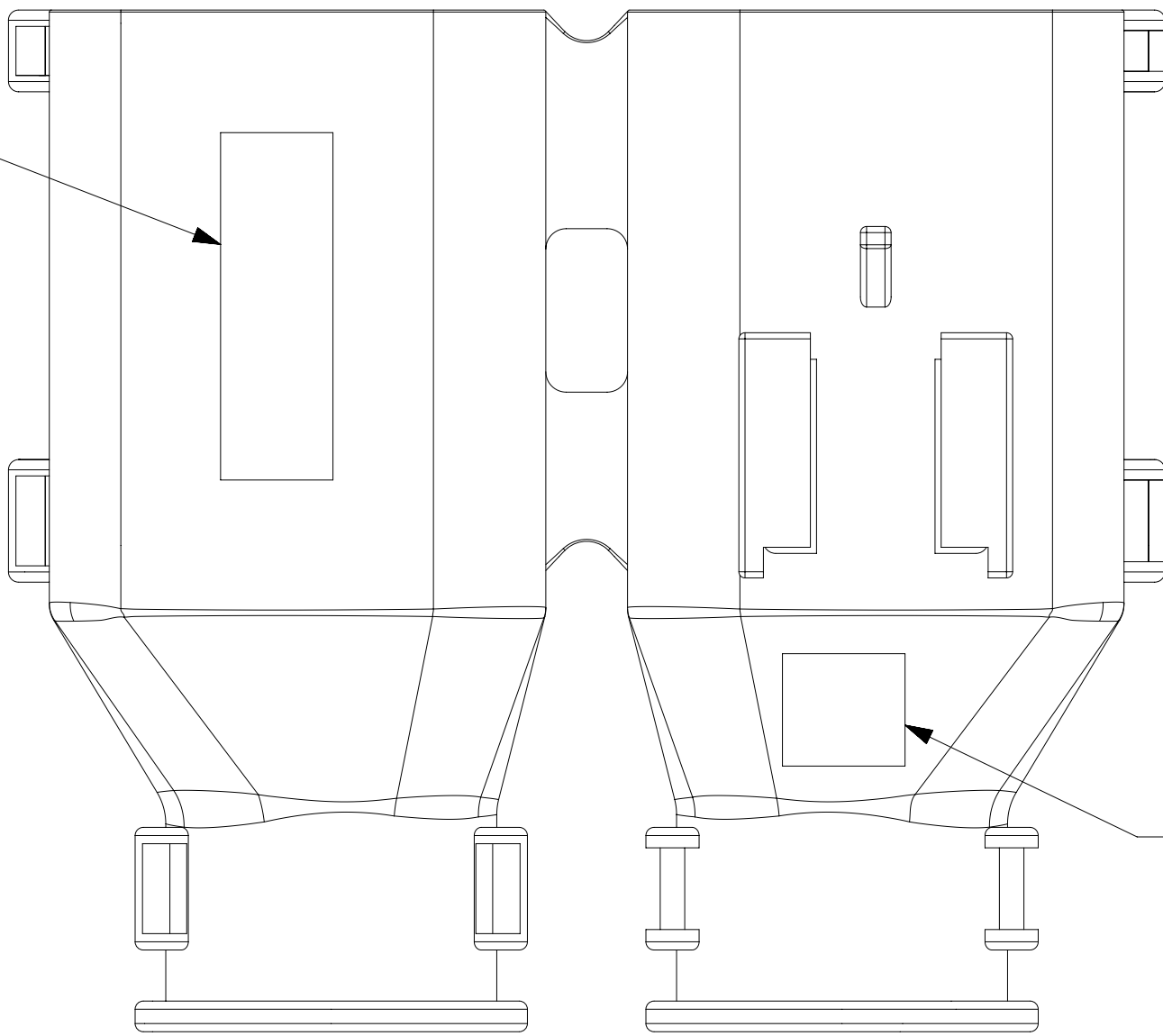
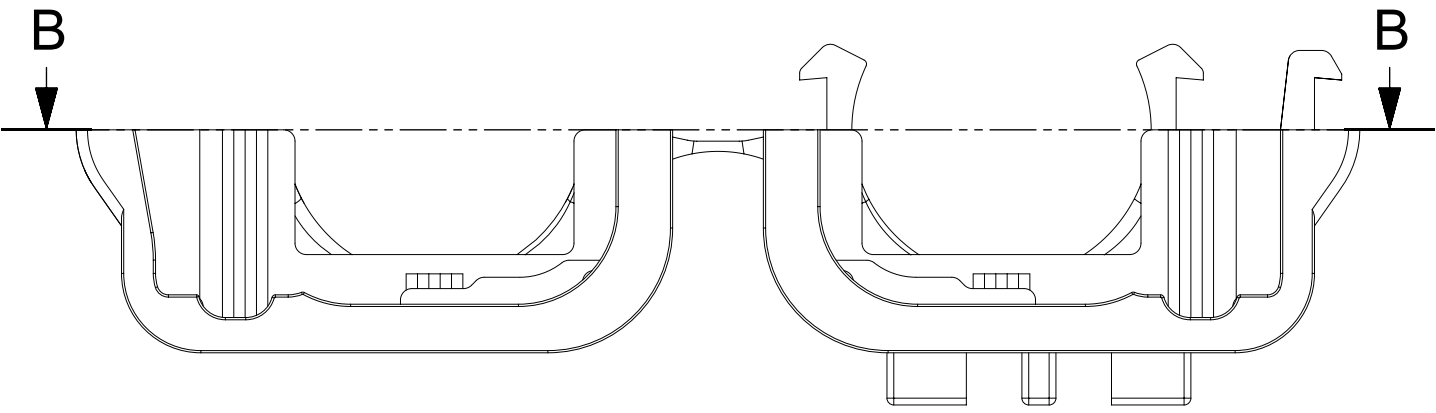
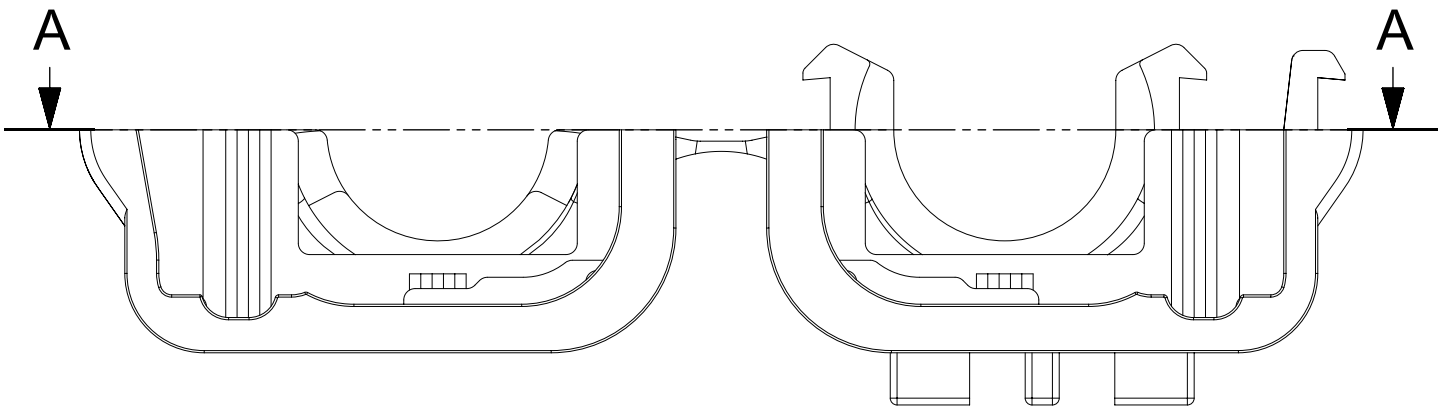
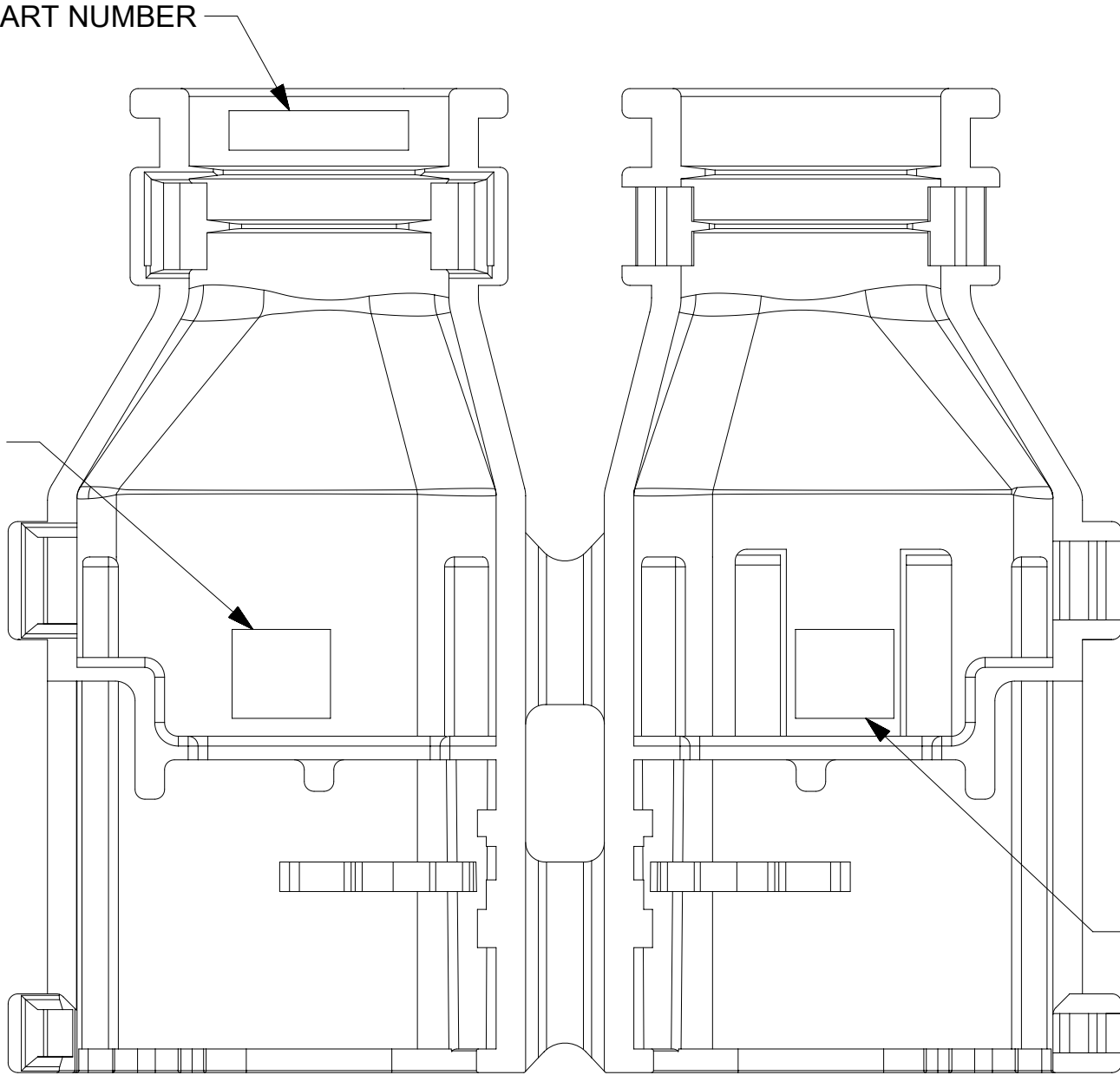
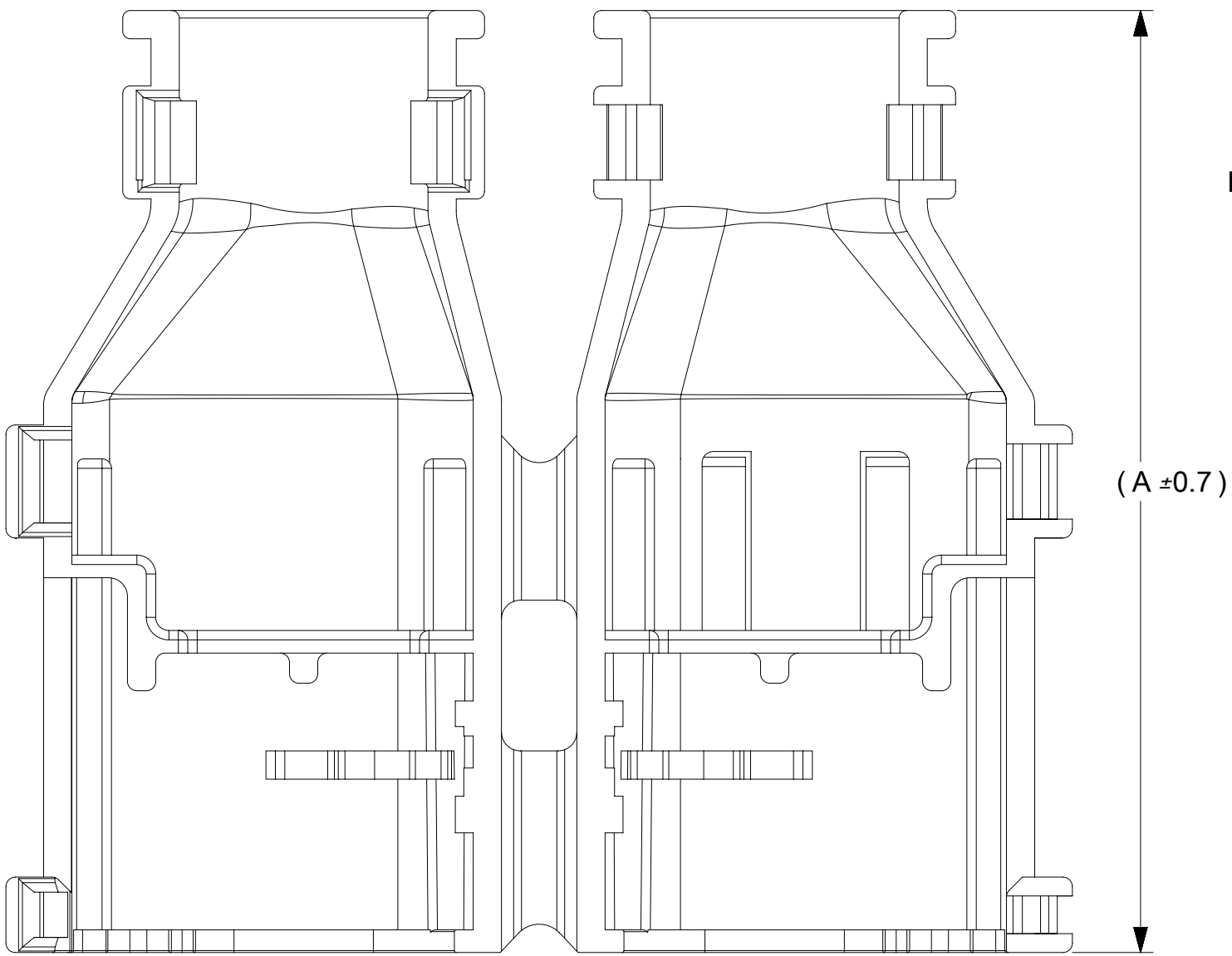
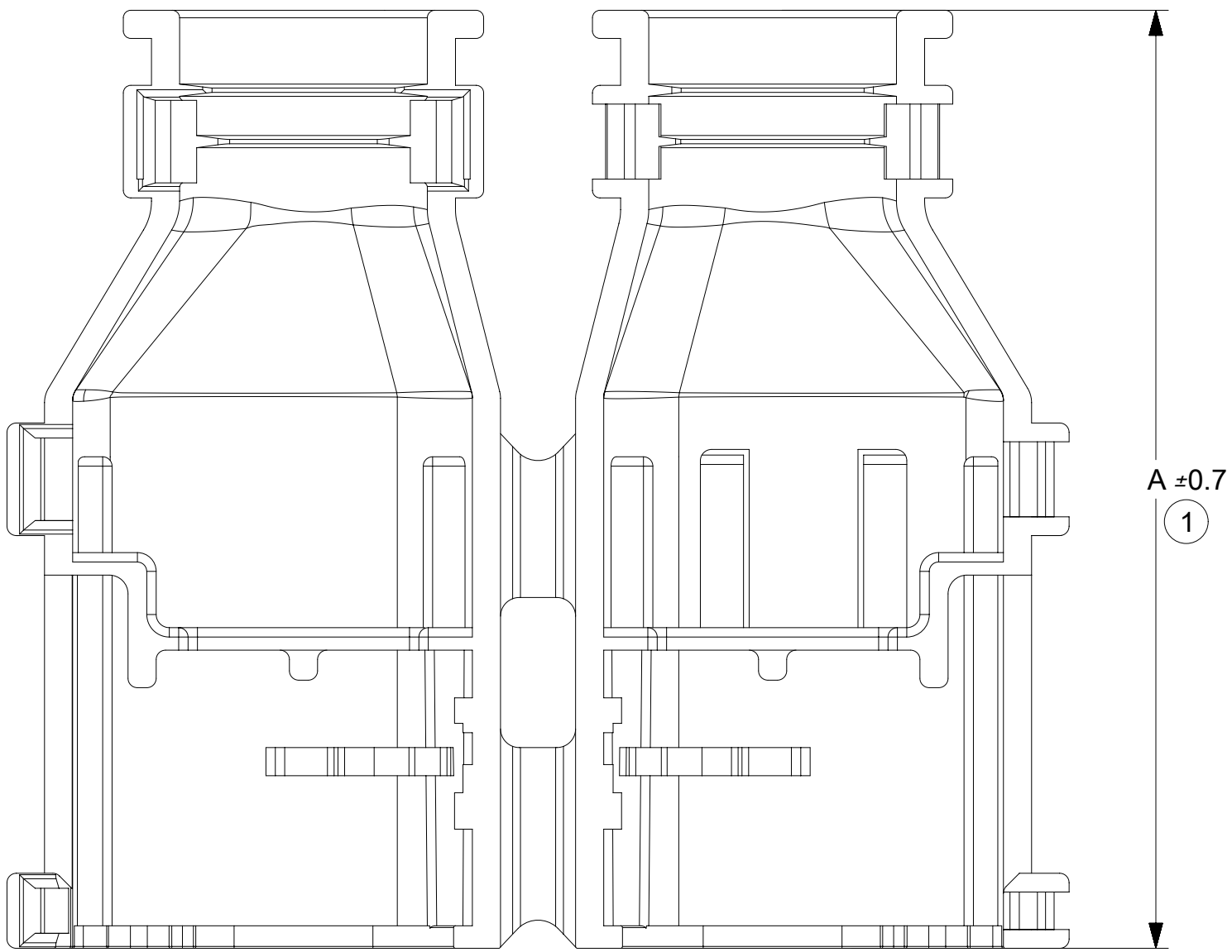
2 OF 4

CUSTOMER

GENERAL MARKET

SHEET DESCRIPTION	
SCHLEMMER BACKSHELL DETAIL	

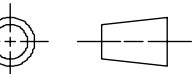
CHARTED DIMENSION						
DESCRIPTION	DIMENSIONS					
	A	B	C	D	E	F
2X3, WITH RIB	50.00	13.20	9.75	3.93	0.65	2.74
2X3, WITHOUT RIB	50.00	13.20	N/A	N/A	N/A	N/A
2X4, WITH RIB	TBD	TBD	TBD	TBD	TBD	TBD
2X4, WITHOUT RIB	TBD	TBD	TBD	TBD	TBD	TBD
2X6, WITH RIB	50.00	17.70	13.60	3.50	0.83	3.10
2X6, WITHOUT RIB	50.00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



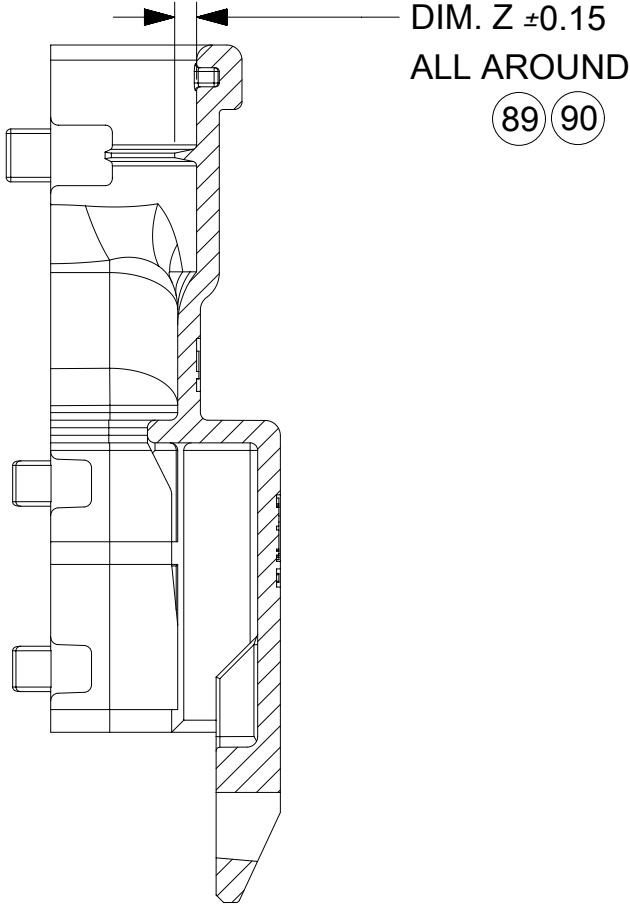
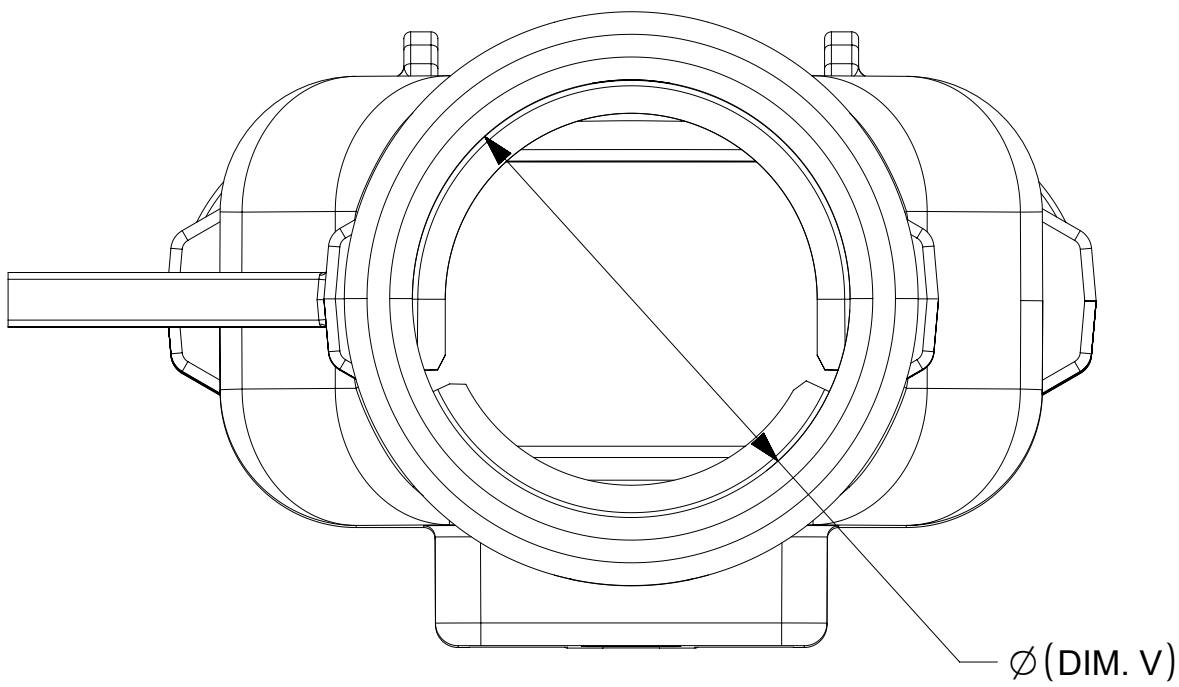
PARTIAL SECTION A-A
SCALE 5:1
WITH RIBS

PARTIAL SECTION B-B
SCALE 5:1
WITHOUT RIBS

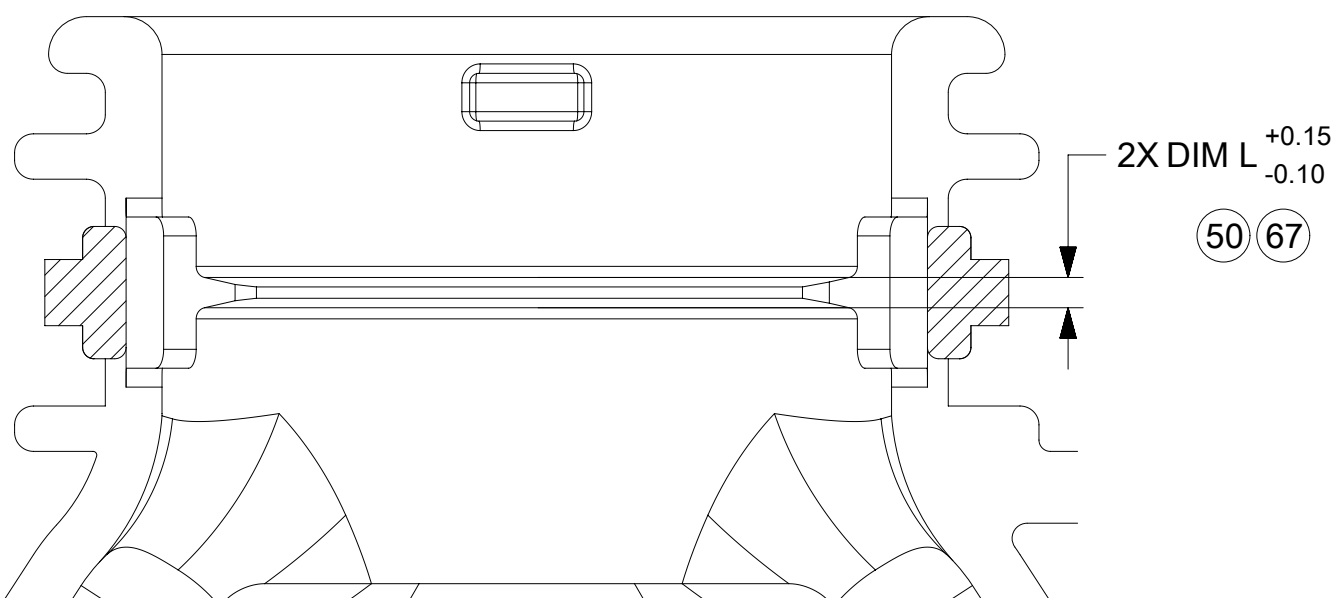
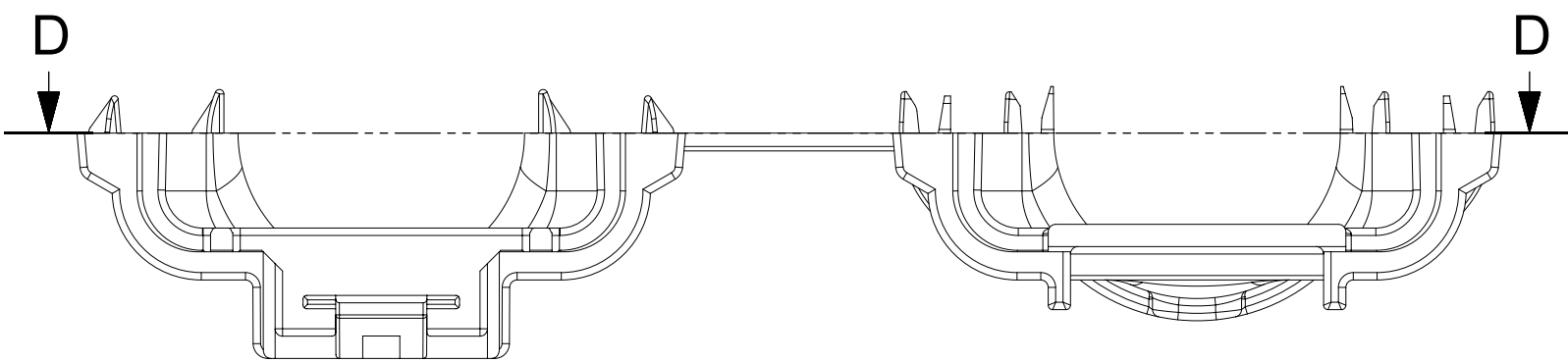
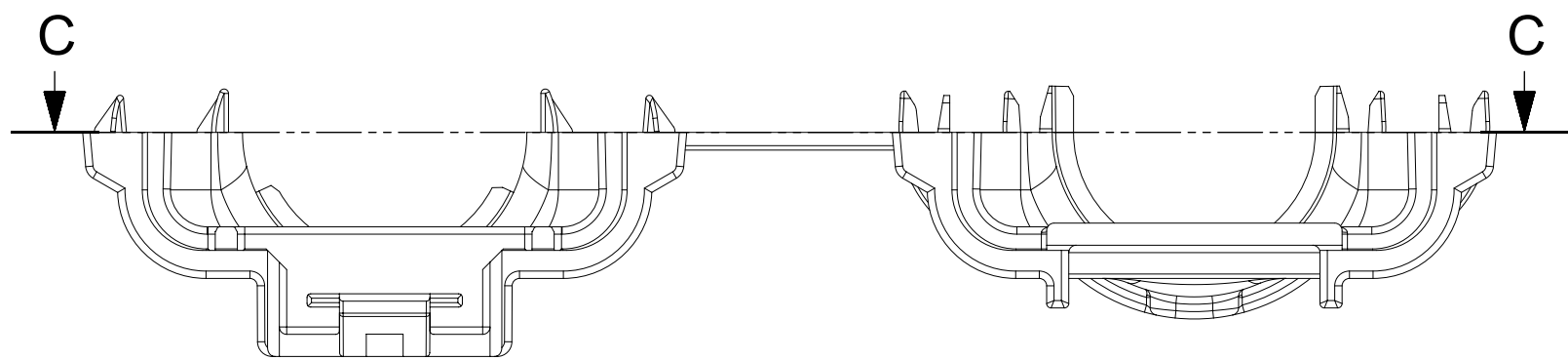
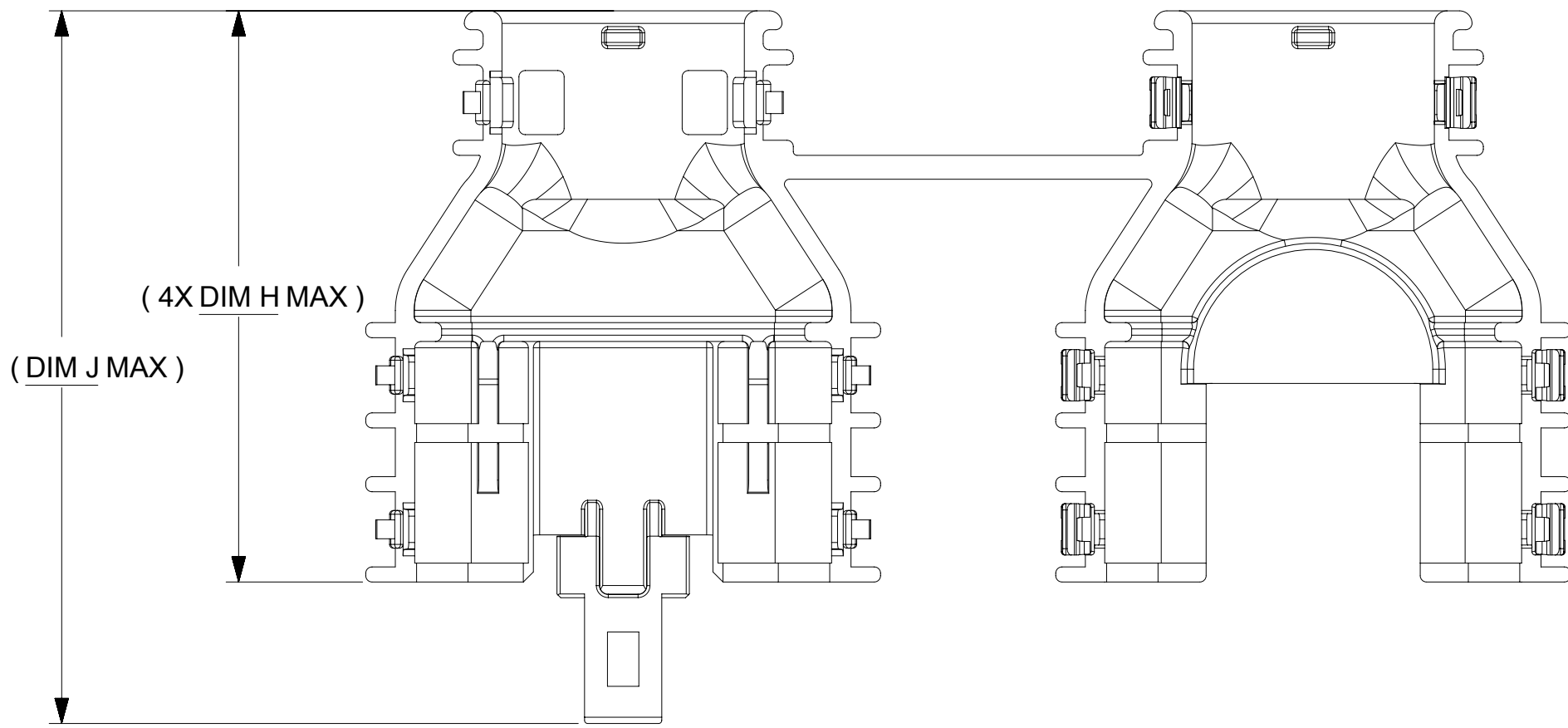
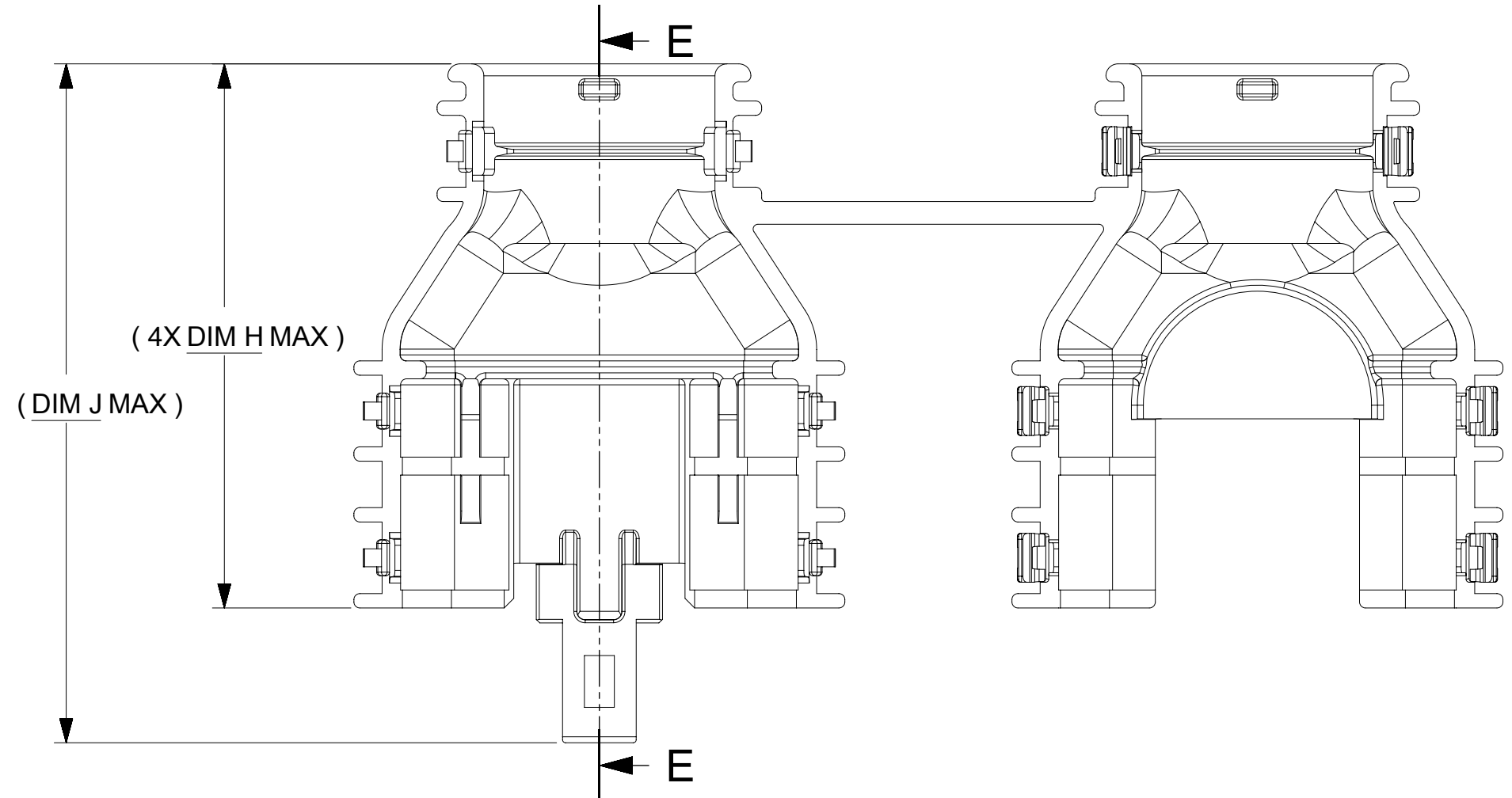
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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			
B10	REV							DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
								SD-34951-0001		PSD		001		3 OF 4	

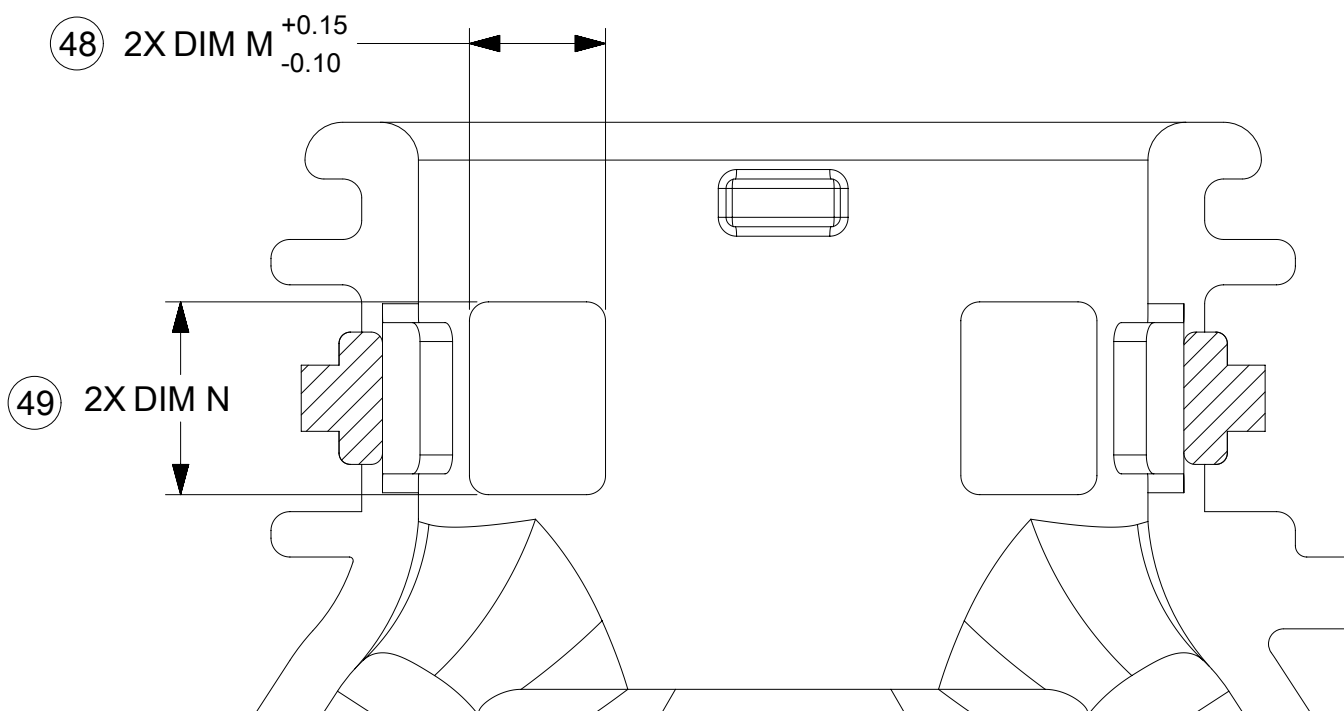
SHEET DESCRIPTION	
MOLEX BACKSHELL DETAIL	



SECTION E-E

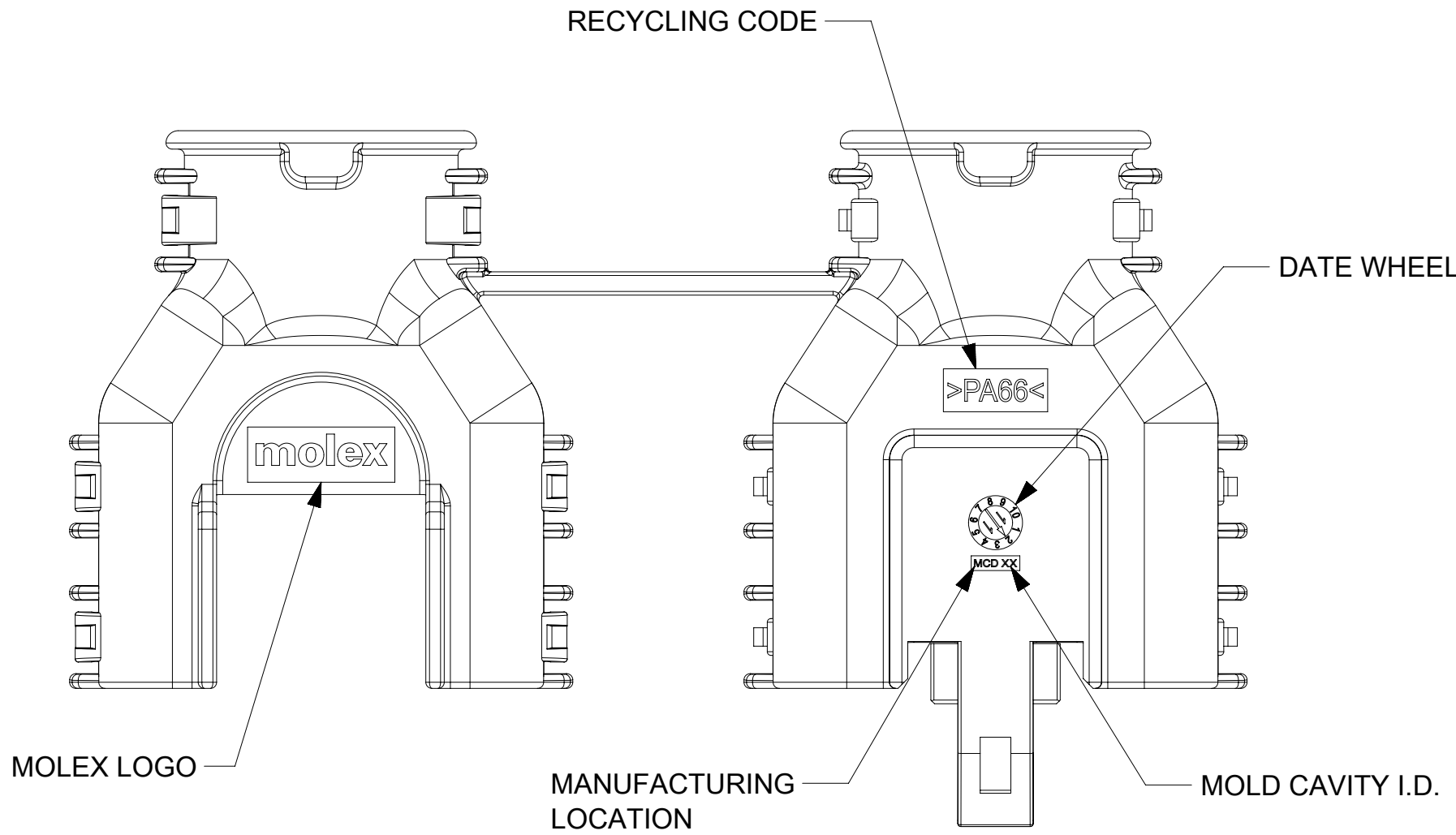


PARTIAL SECTION C-C
SCALE 5:1
WITH RIBS



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 MX150 DUAL ROW RECPT BACKSHELLS			
		ANGULAR TOL ± 3.0 °		mm	2:1				
		4 PLACES ±		DRWN BY	DATE				
		3 PLACES ±		DAHALL	2013/03/27	PRODUCT CUSTOMER DRAWING			
		2 PLACES ± 0.1		CHK'D BY	DATE	SERIES MATERIAL NUMBER CUSTOMER			
		1 PLACE ± 0.2		APPR BY	DATE	34951			
		0 PLACES ±		VKOSHY	2013/04/08	GENERAL MARKET			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER			
B10	REV			A1		SD-34951-0001 PSD 001 4 OF 4			