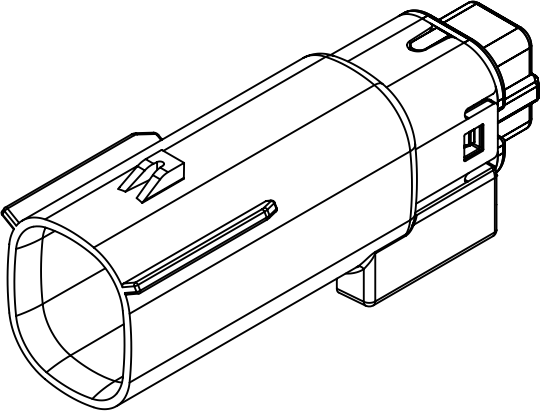
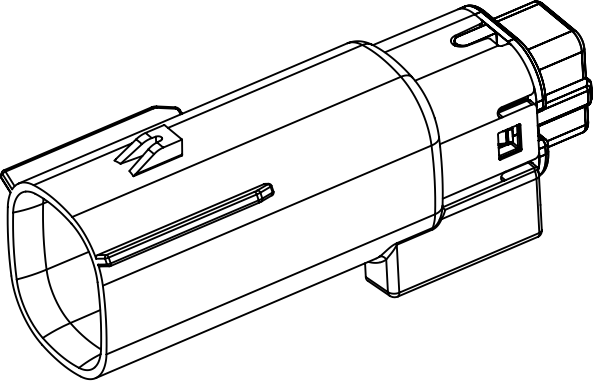
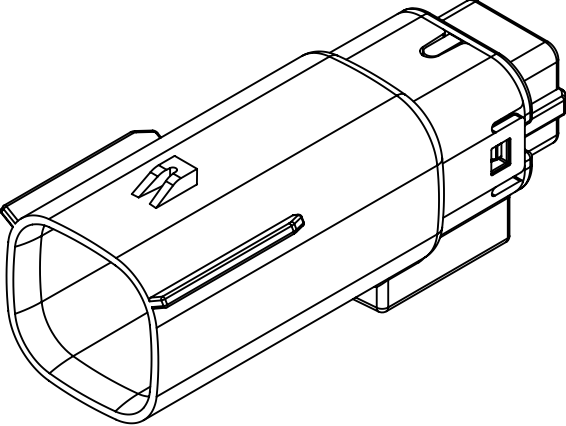
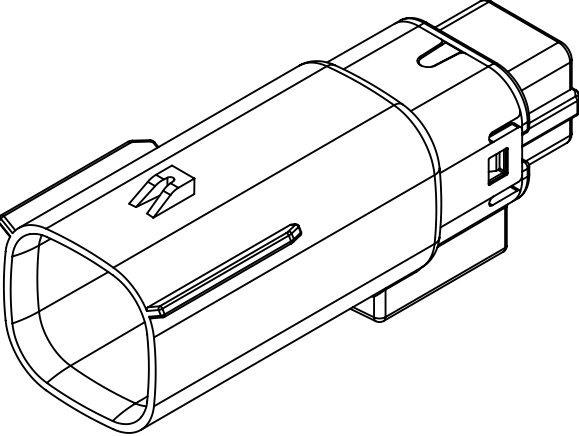
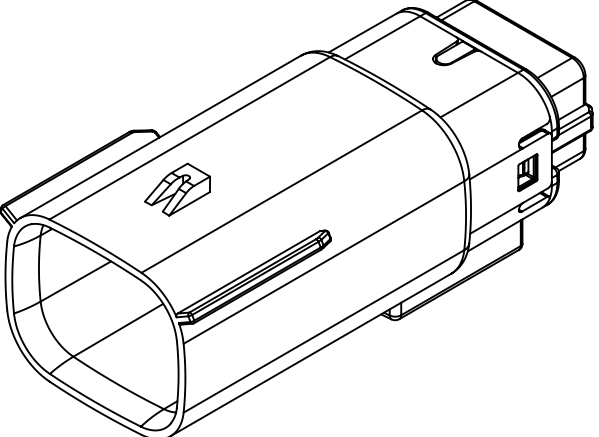
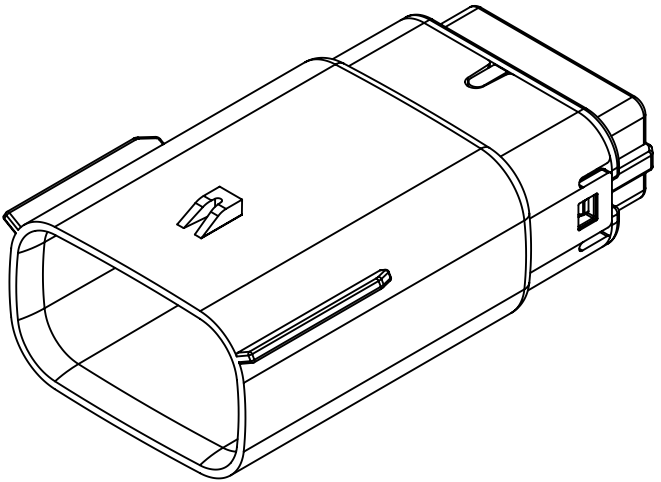
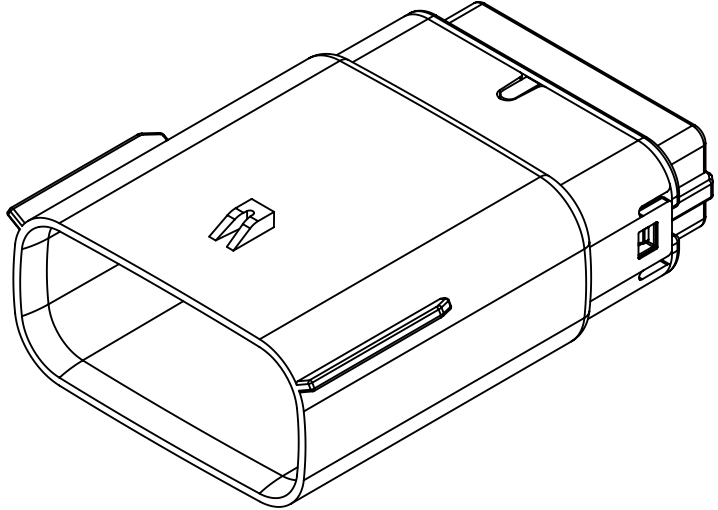
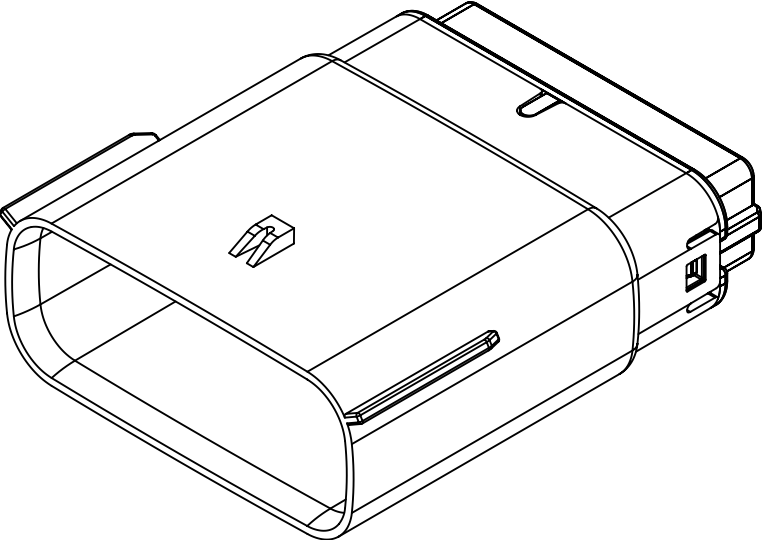
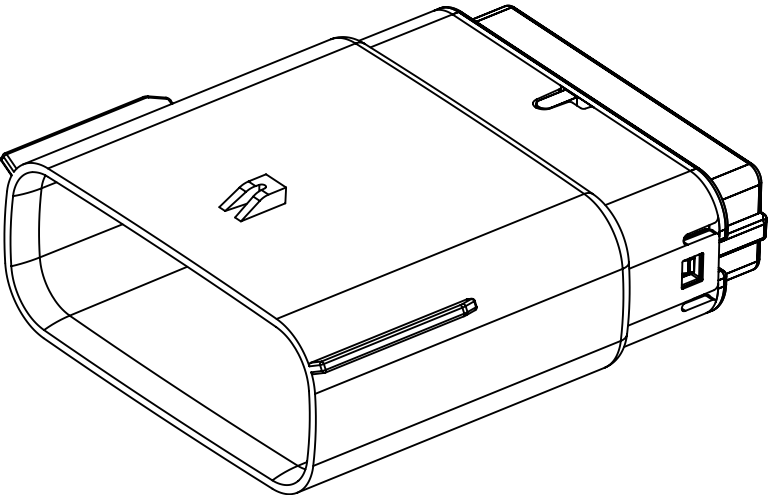
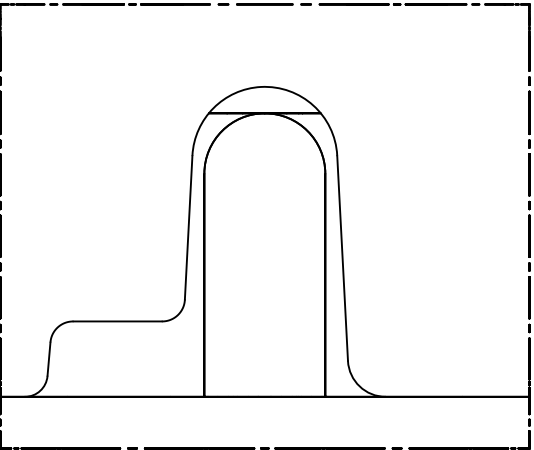


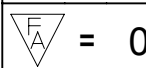
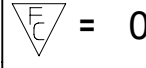
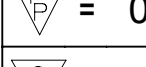
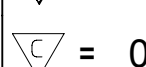
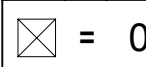
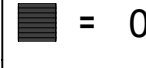
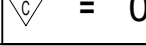
SHEET DESCRIPTION	
CONFIGURATIONS	

		
2X2 - STANDARD (STD)	2X2 - UL V0*	
		
2X3 - STANDARD (STD)		2X3 - LENGTHENED
		
2X4 - STANDARD (STD)		
		
2X6 - STANDARD (STD)		
		
2X8 - STANDARD (STD)		
		
2X10 - STANDARD (STD)	2X10 - UL V0*	
DOCUMENT STATUS	P1	RELEASE DATE
		2018/02/16 22:02:26



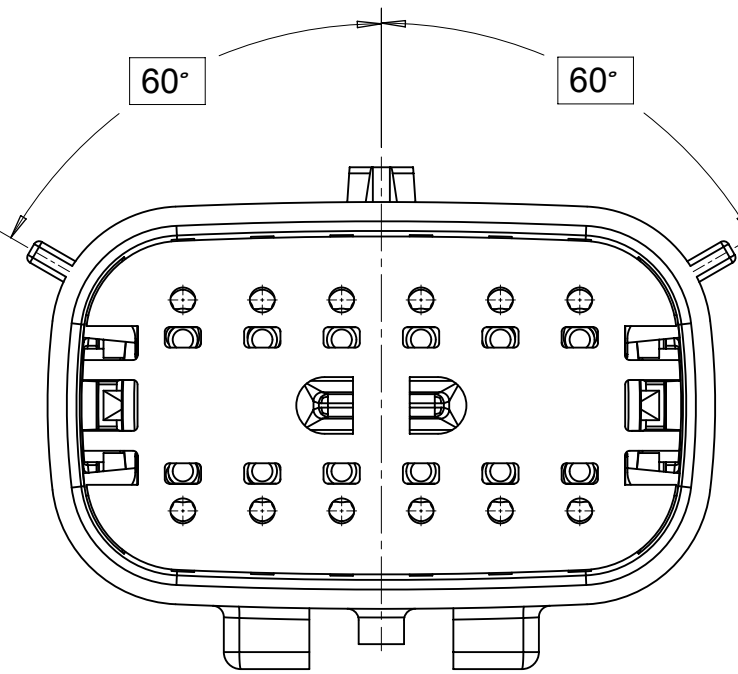
UL V0 UNIQUE FEATURE
Partial1
SCALE 10:1

* MINOR GEOMETRY CHANGE THAN STANDARD CONFIGURATION.
SEE NOTE 2a FOR MORE INFORMATION

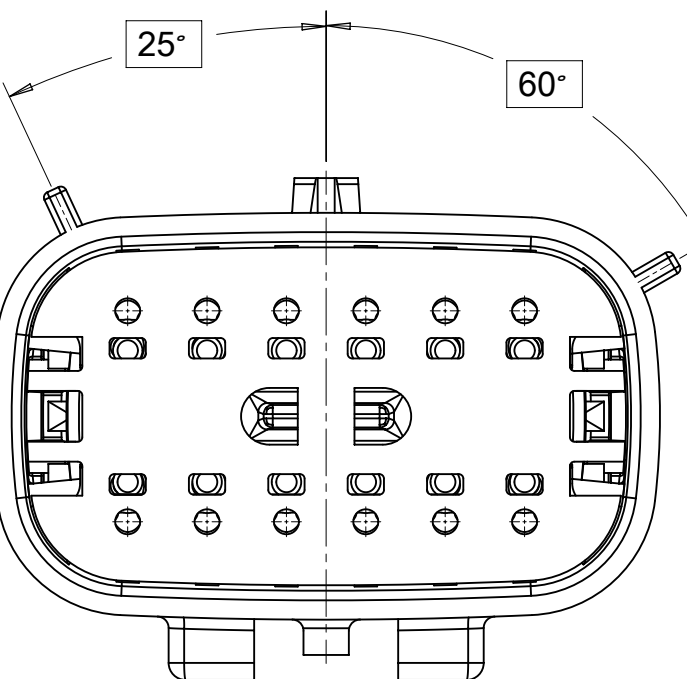
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 171650 DRWN: PMANJUNATHAC 2018/01/03 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/04/28 APPR: VKOSHY 2014/05/14			molex MX150 BLADE DUAL ROW SEALED ASSEMBLY MAT SEAL					
	mm		1.5:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)													
 = 0	ANGULAR TOL		± 1.0 °								PRODUCT CUSTOMER DRAWING		
	4 PLACES		±										
 = 0	3 PLACES		±								DOCUMENT NUMBER		
	2 PLACES		± 0.1										
 = 0	1 PLACE		± 0.2								DOC TYPE		
	0 PLACES		±										
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION					DRAWING		SERIES		MATERIAL NUMBER	
 = 0					A1-SIZE		33482		CUSTOMER				
 = 0									GENERAL MARKET				
 = 0									SHEET NUMBER				
= 0									2 OF 11				

SHEET DESCRIPTION
KEY CONFIGURATIONS CONT.

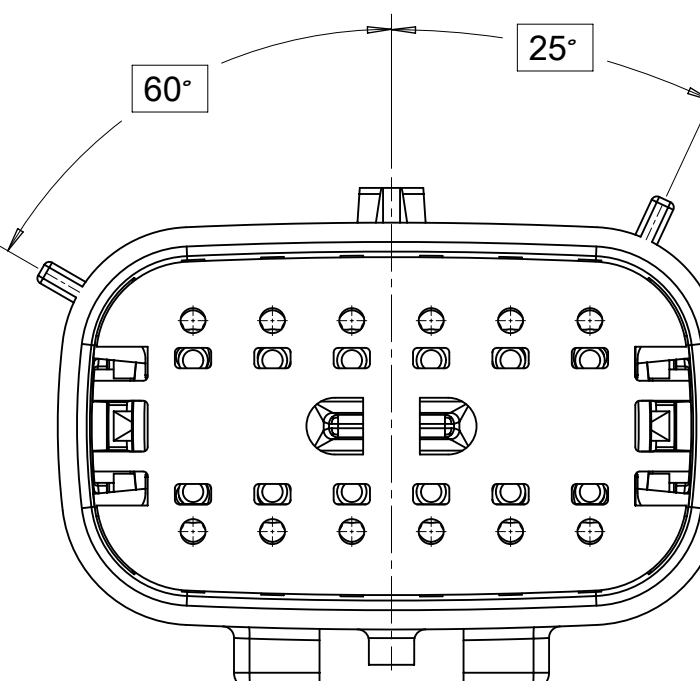
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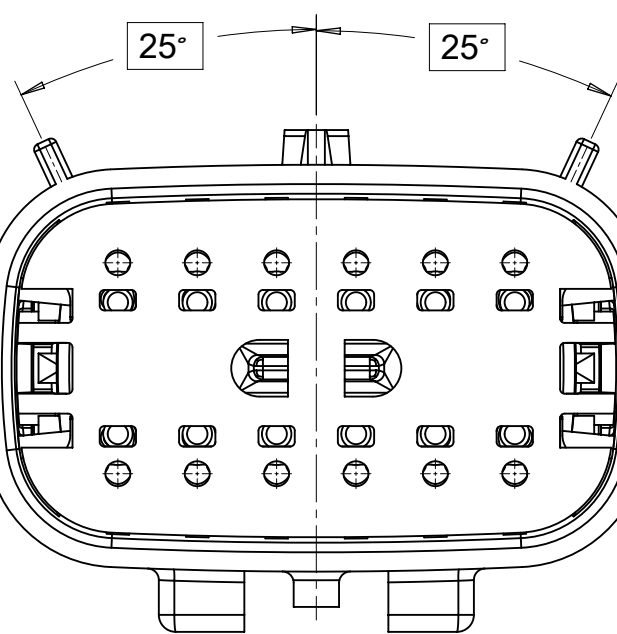
KEY A



KEY B

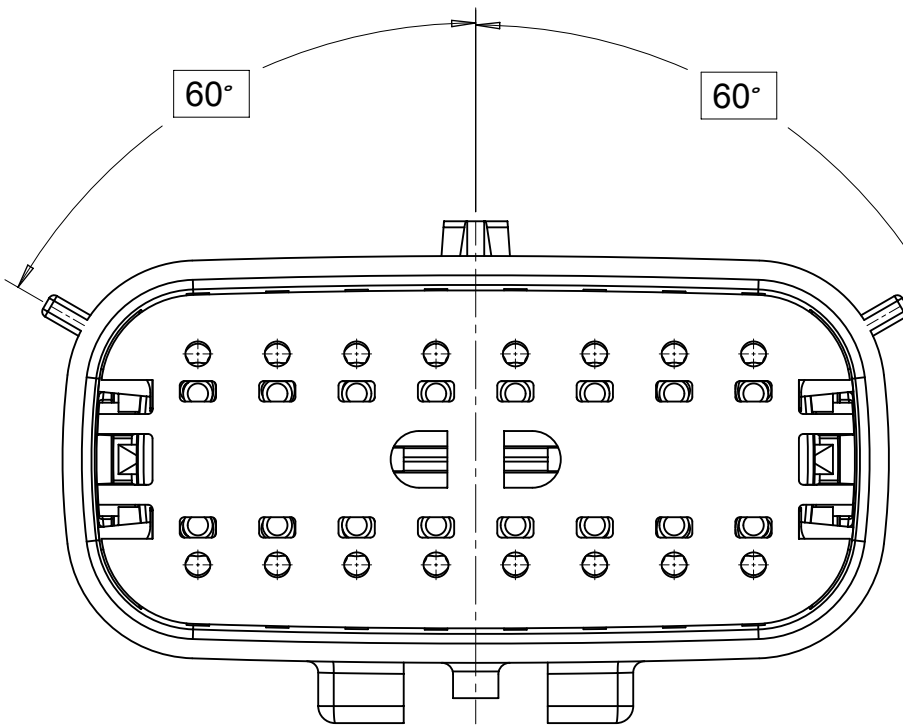


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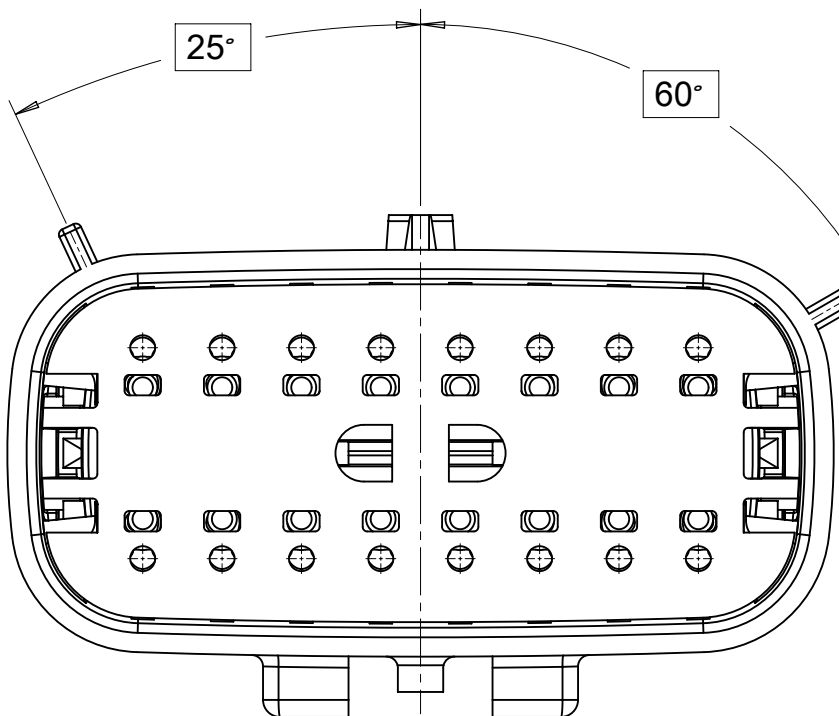


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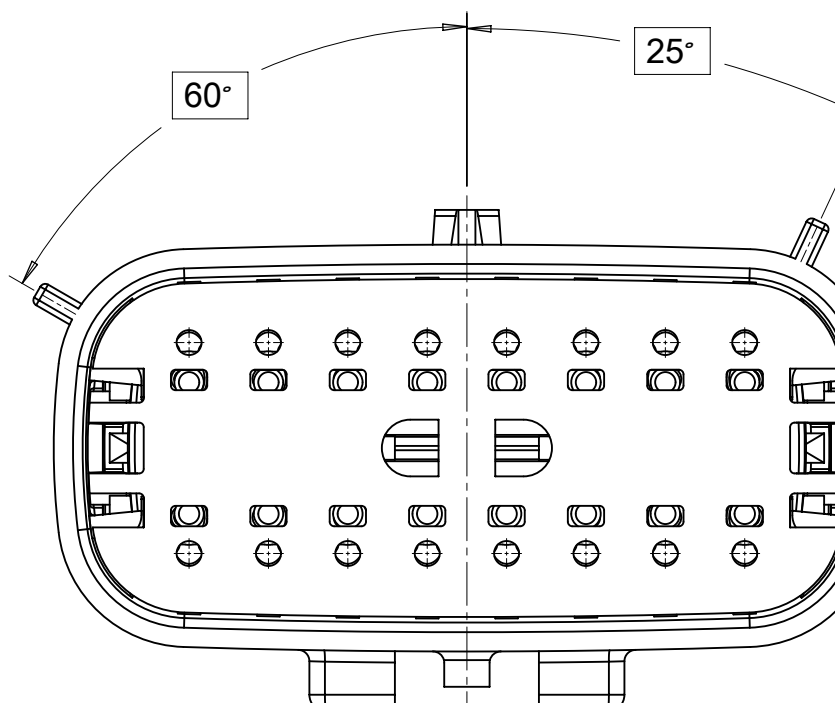
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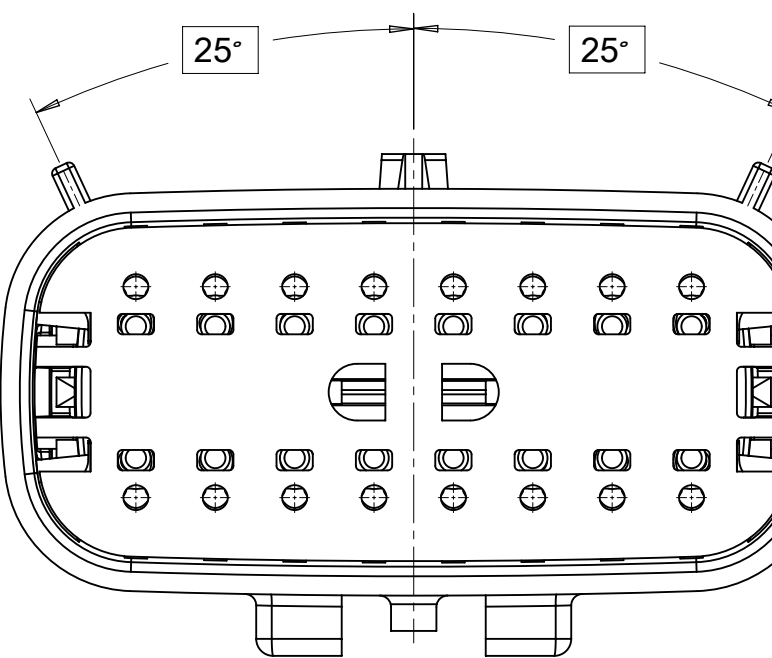
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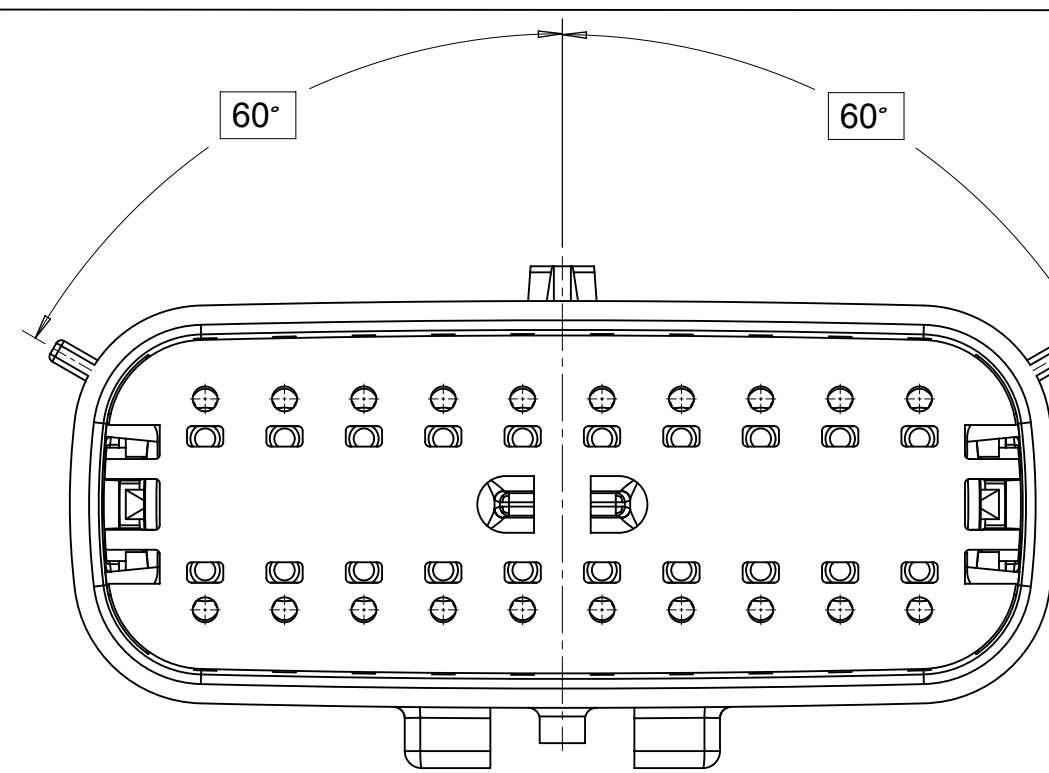
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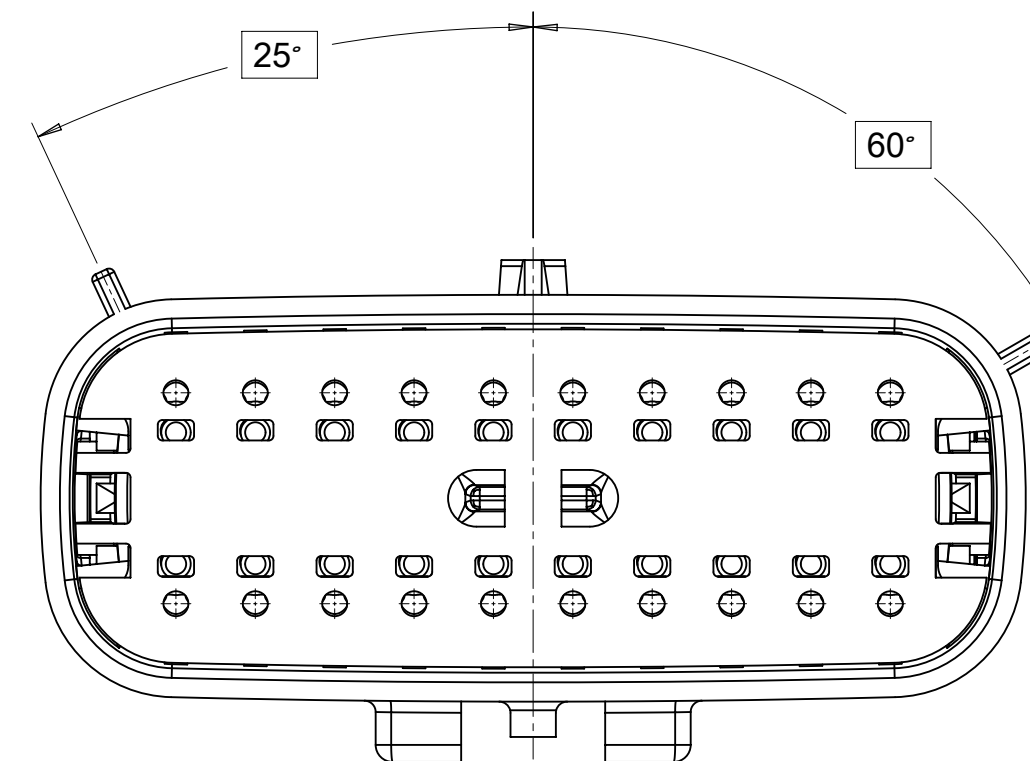
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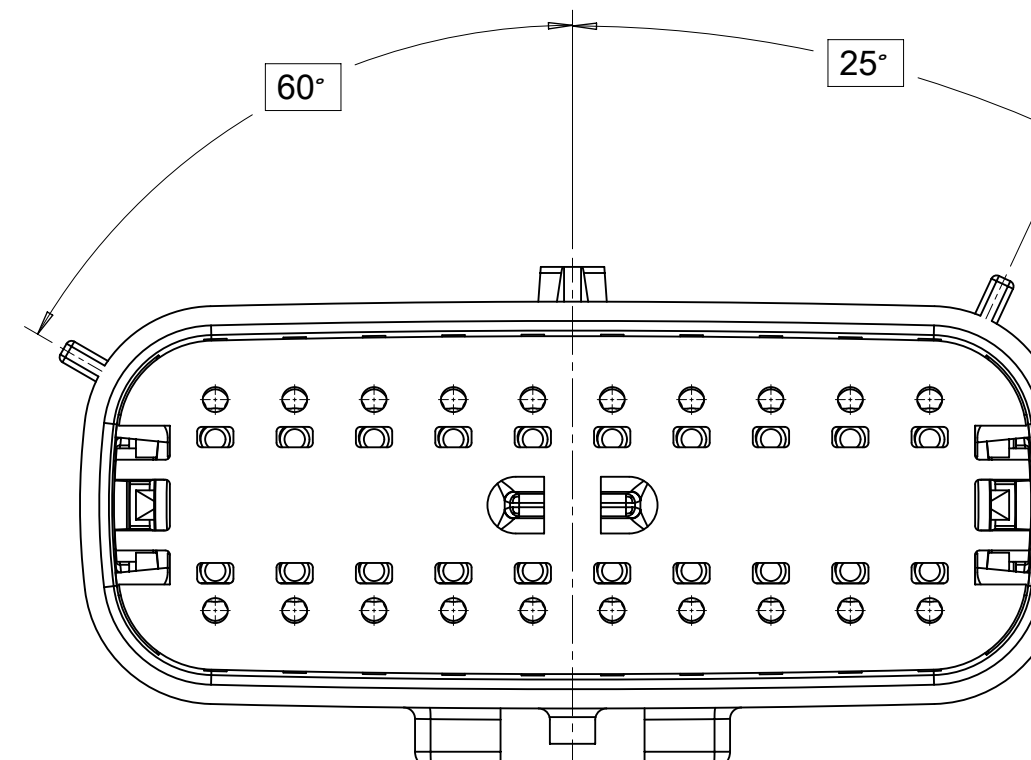
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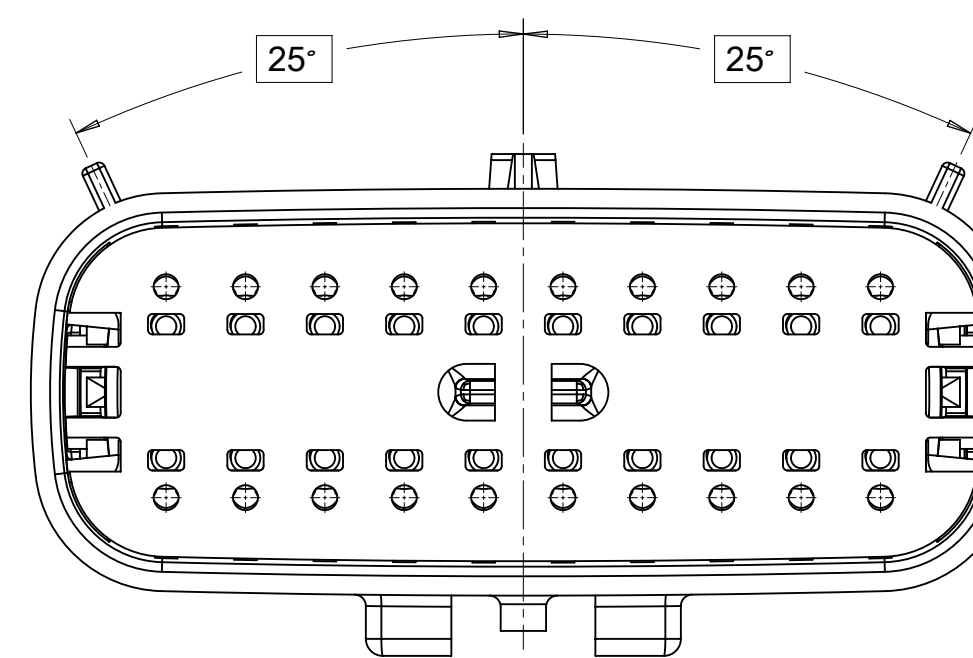
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KEY I



KEY



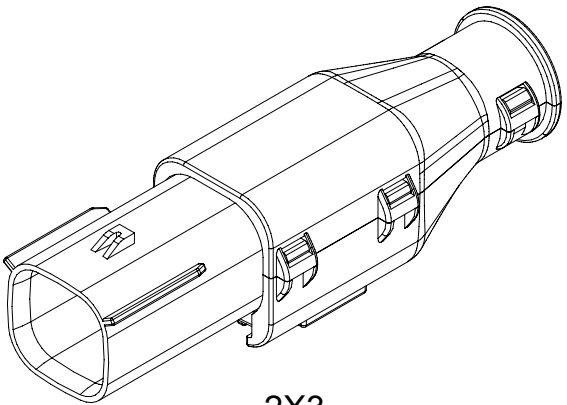
KEY I

SHEET DESCRIPTION
BACKSHELL NOTES

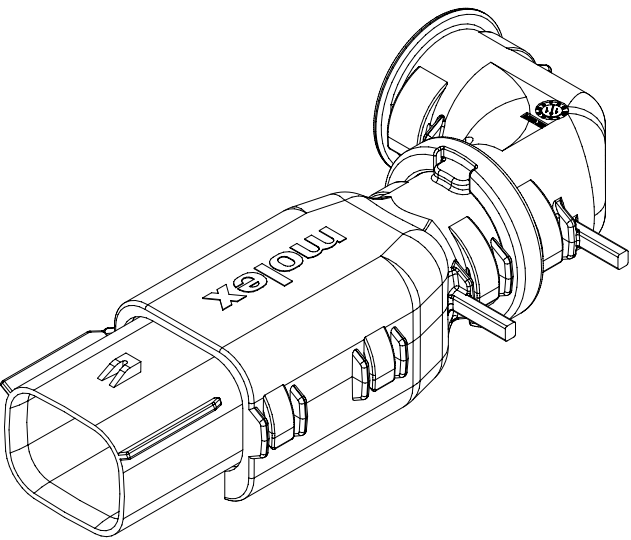
BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

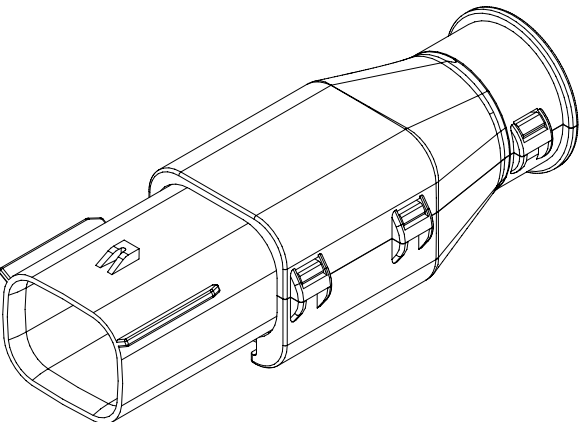
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33482-0001.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
 - DESIGN IS OWNED BY SCHLEMMER 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-34950-0001.



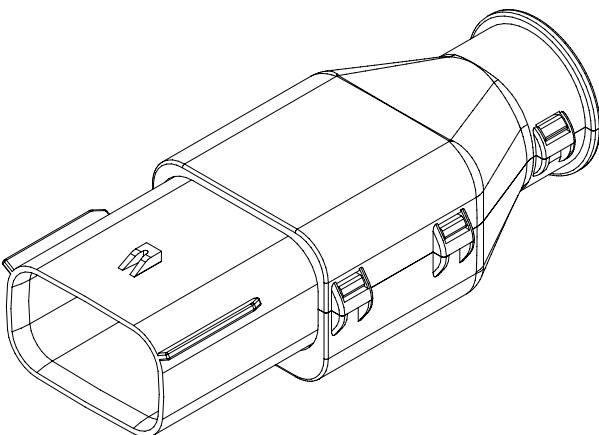
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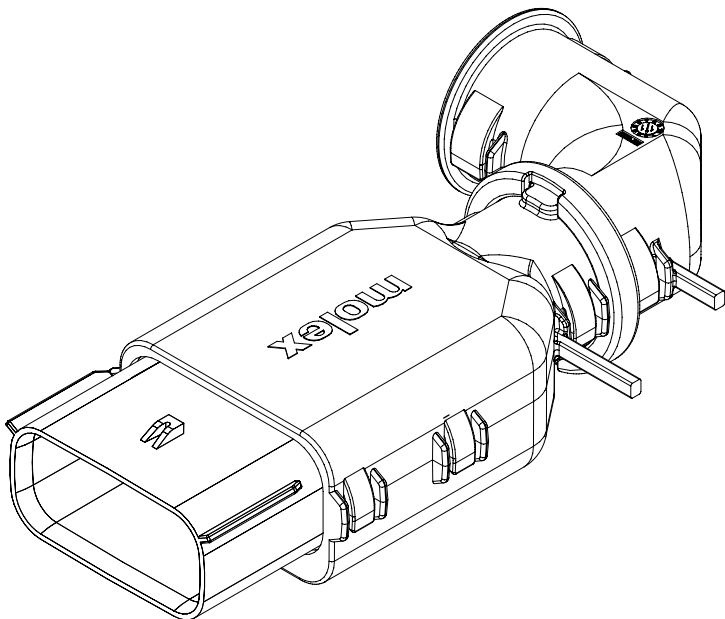
2X4



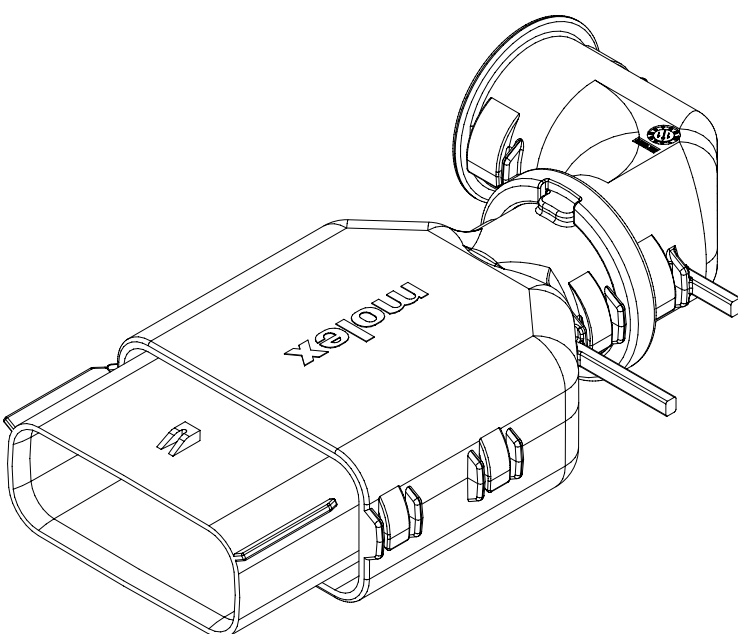
2X4



2X6



2X8



2X10

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34950-XXXX

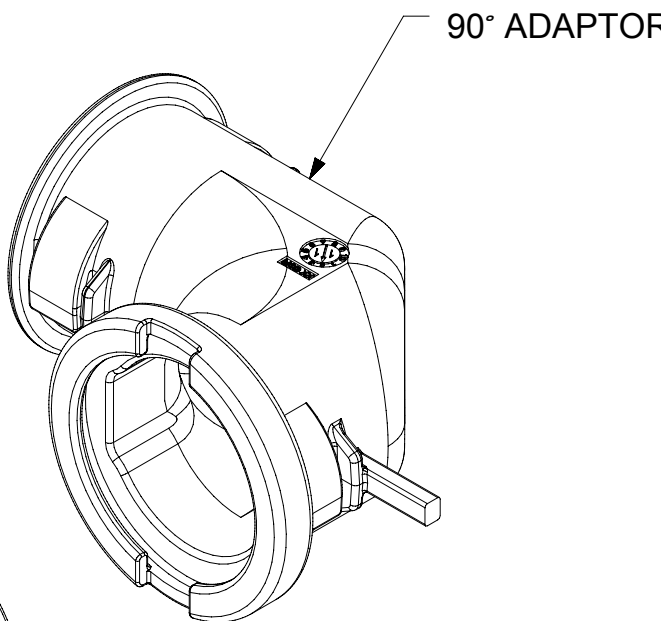
CUSTOMER MODEL COMPONENTS

- 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



90° ADAPTOR

BLADE SEALED ASSEMBLY

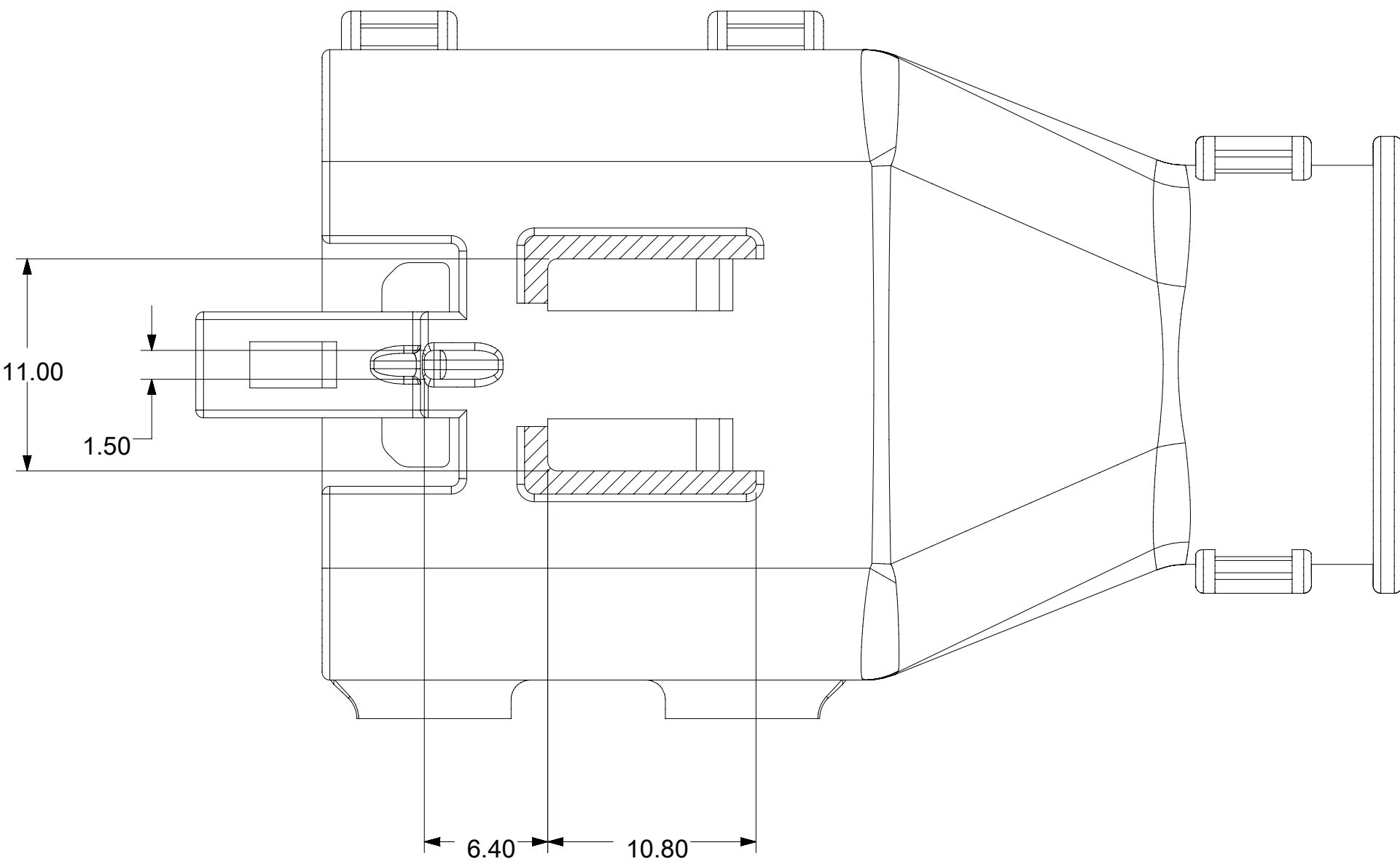
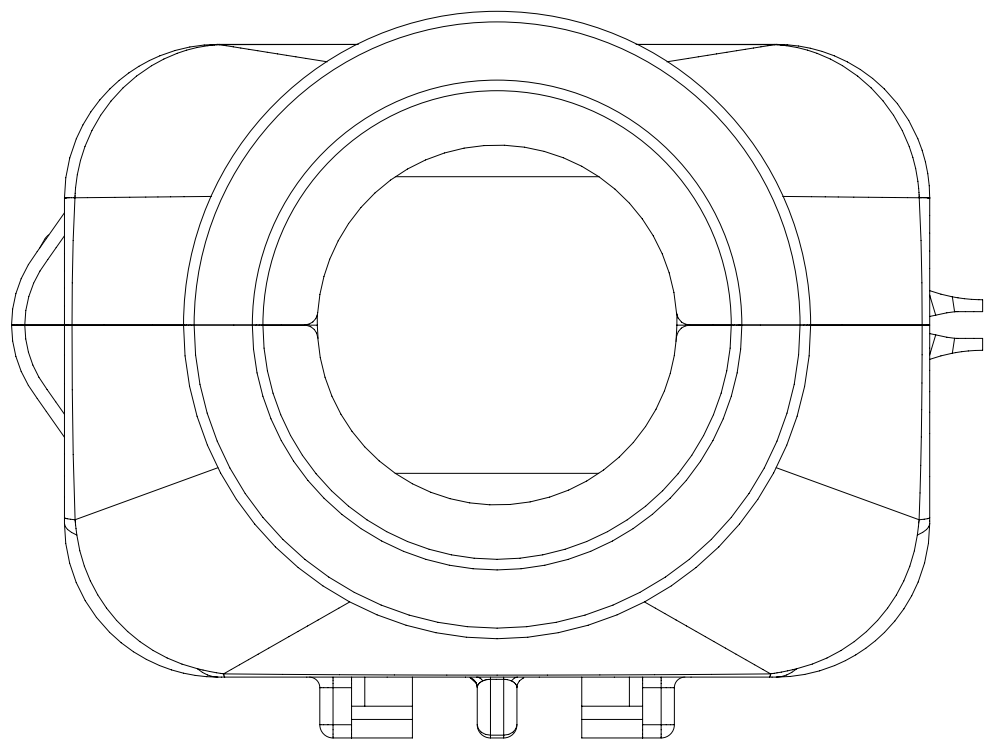
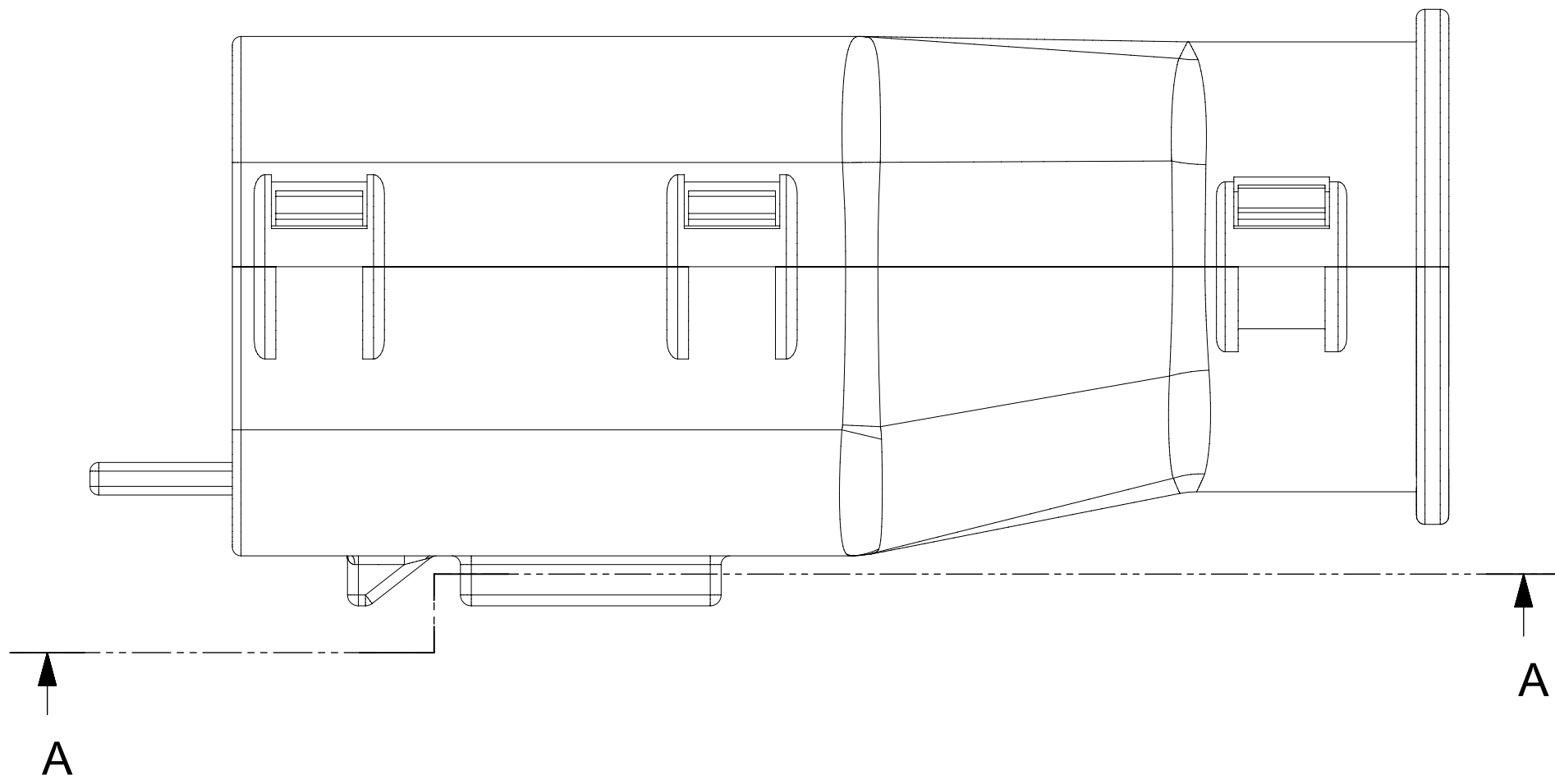
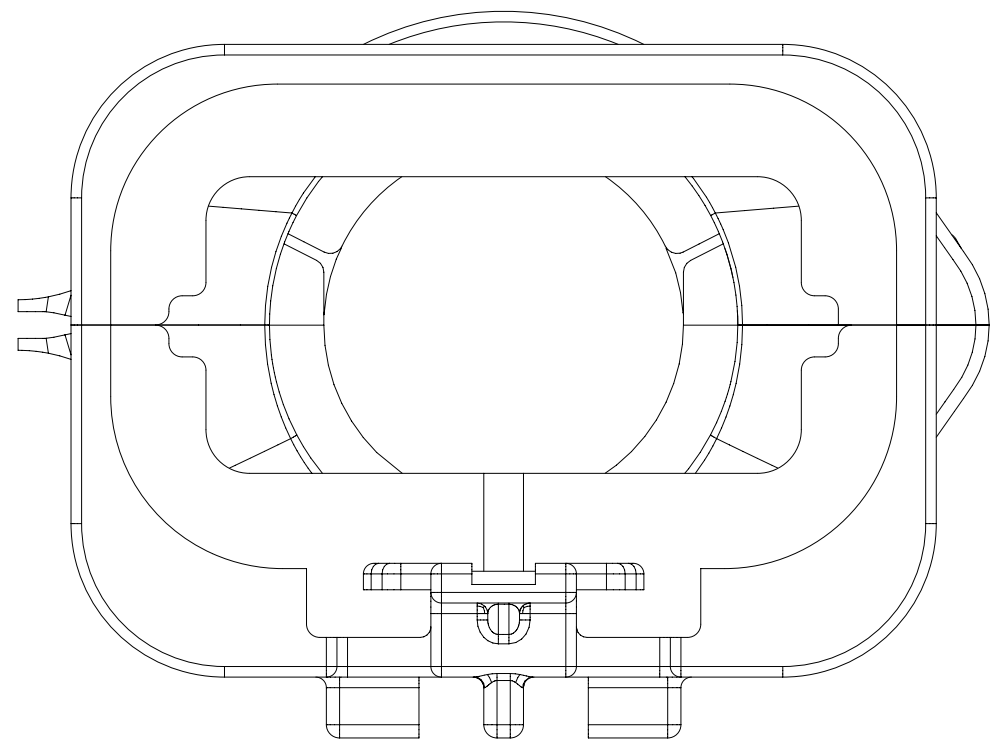
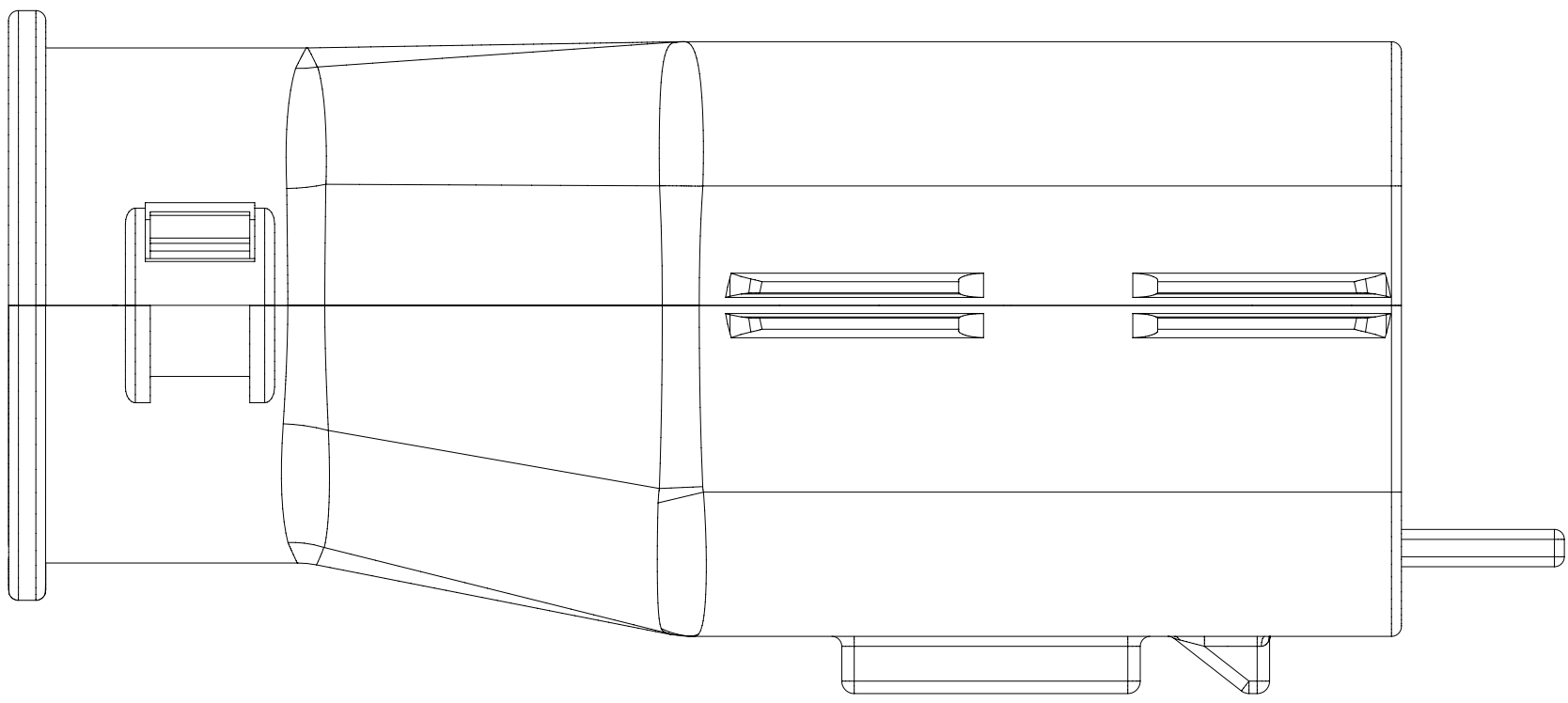
BACKSHELL (BKS)

SCALE 1.5:1

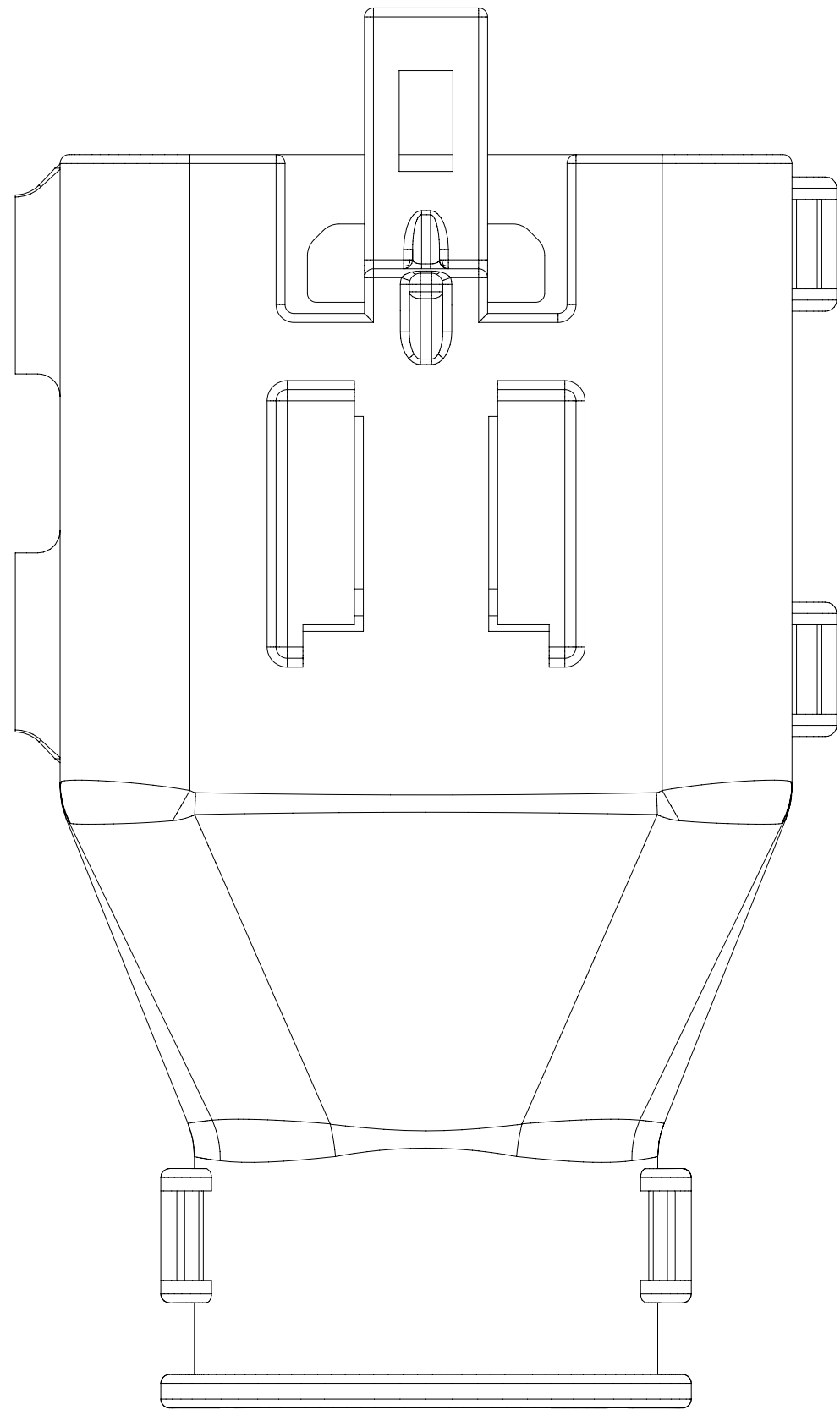
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 171650 DRWN: PMANJUNATHAC 2018/01/03 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16 INITIAL REVISION: DRWN: APROFFITT 2014/04/28 APPR: VKOSHY 2014/05/14 THIRD ANGLE PROJECTION 							
	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											
DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
A1-SIZE		33482				GENERAL MARKET		7 OF 11				

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16 22:02:26
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SHEET DESCRIPTION	
SCHLEMMER BACKSHELL	

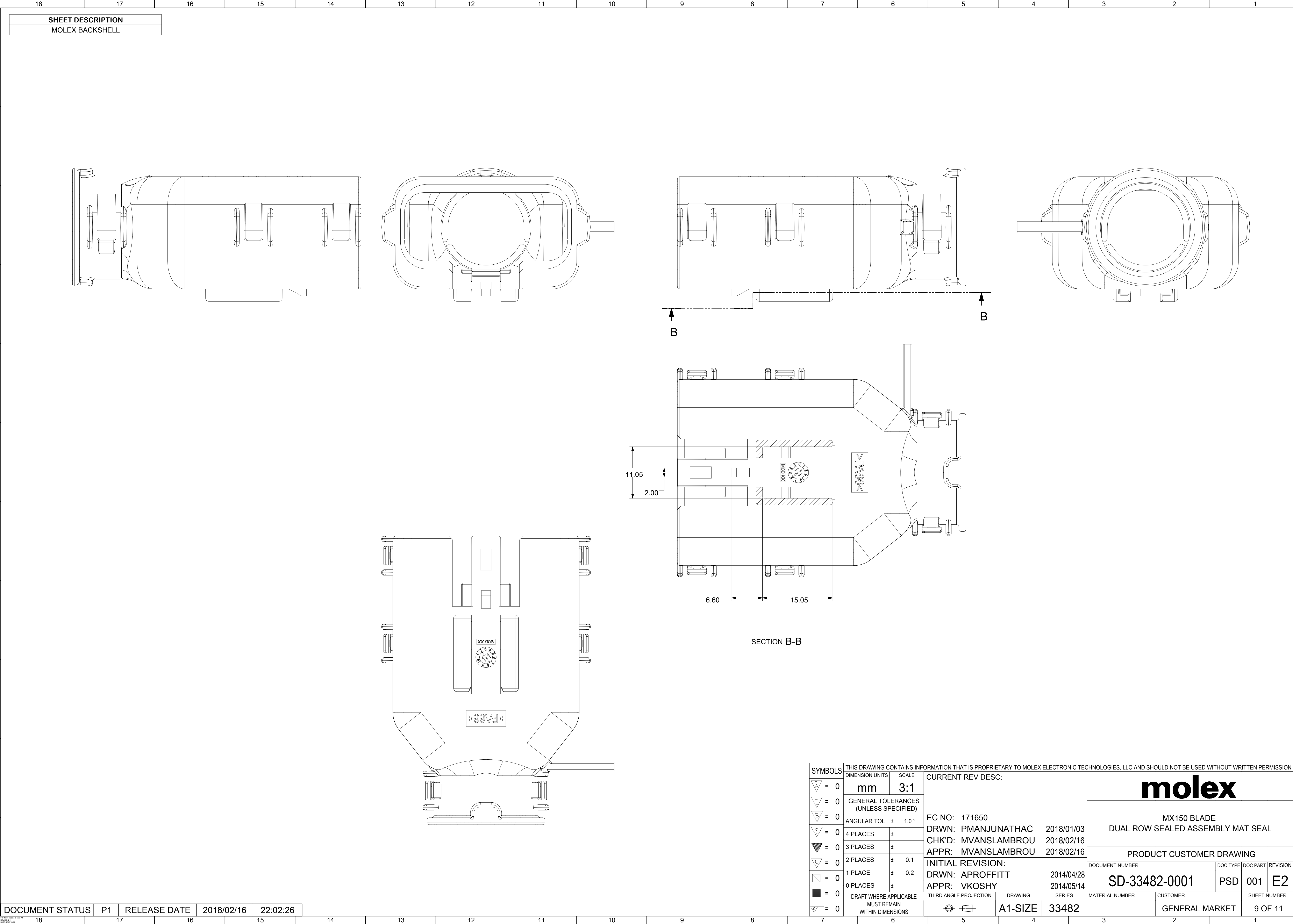


SECTION A-A



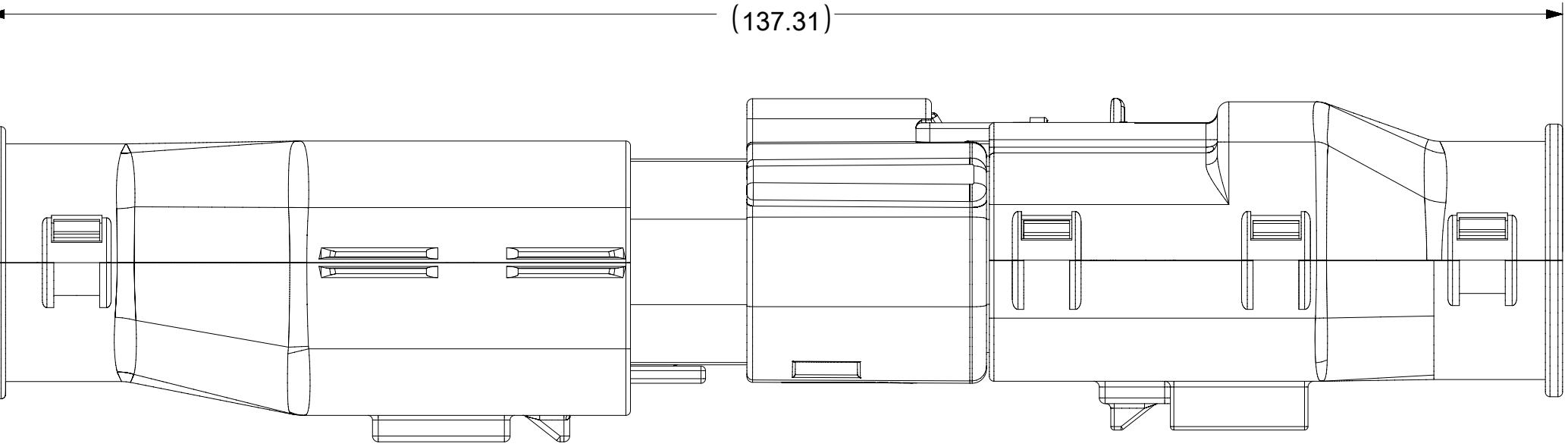
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
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	mm		3.5:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL ± 1.0 °												
	4 PLACES		±		EC NO: 171650			SD-33482-0001 PSD 001 E2					
	3 PLACES		±		DRWN: PMANJUNATHAC 2018/01/03								
	2 PLACES		± 0.1		CHK'D: MVANSLAMBROU 2018/02/16								
	1 PLACE		± 0.2		APPR: MVANSLAMBROU 2018/02/16			PRODUCT CUSTOMER DRAWING					
	0 PLACES		±		INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION
	DRAFT WHERE APPLICABLE		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
MUST REMAIN WITHIN DIMENSIONS				A1-SIZE		33482				GENERAL MARKET		8 OF 11	

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16 22:02:26
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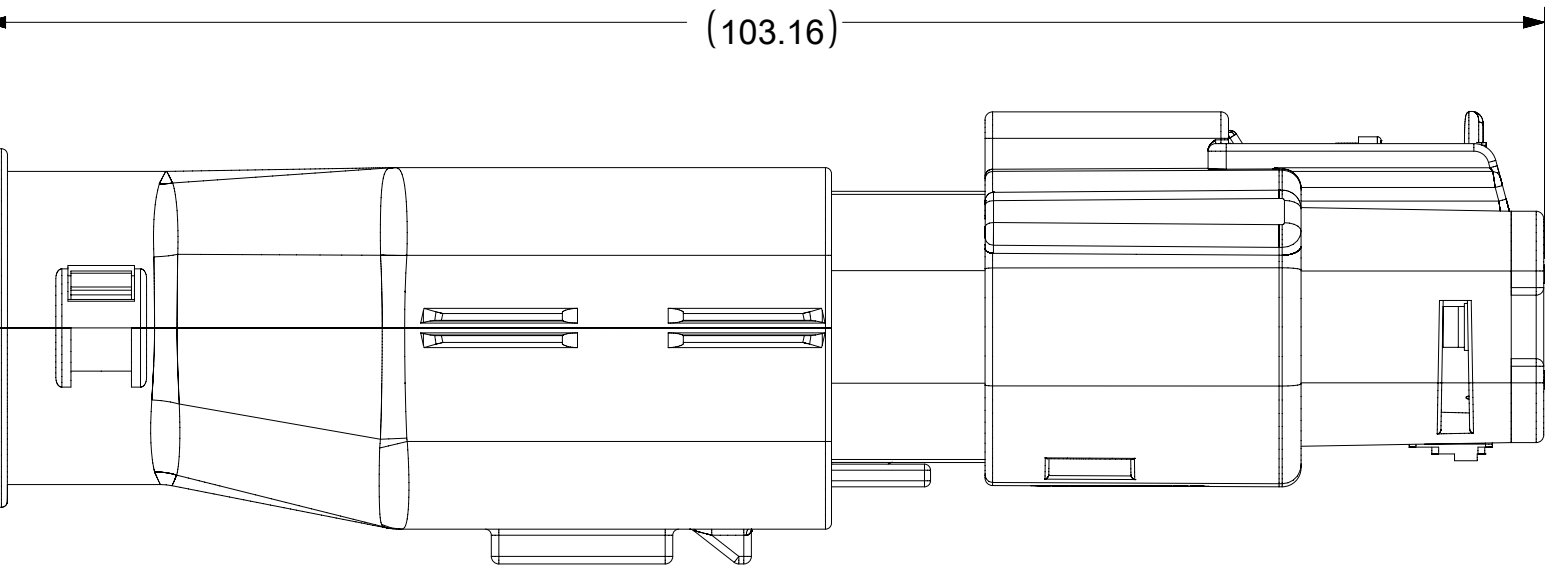
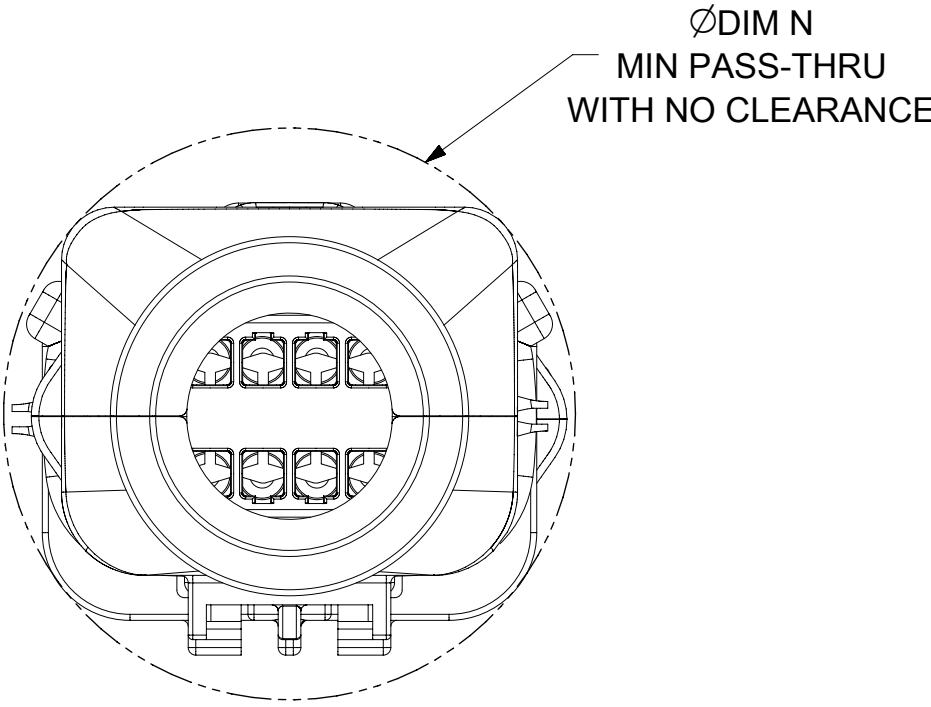


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	= 0	9 OF 11																			

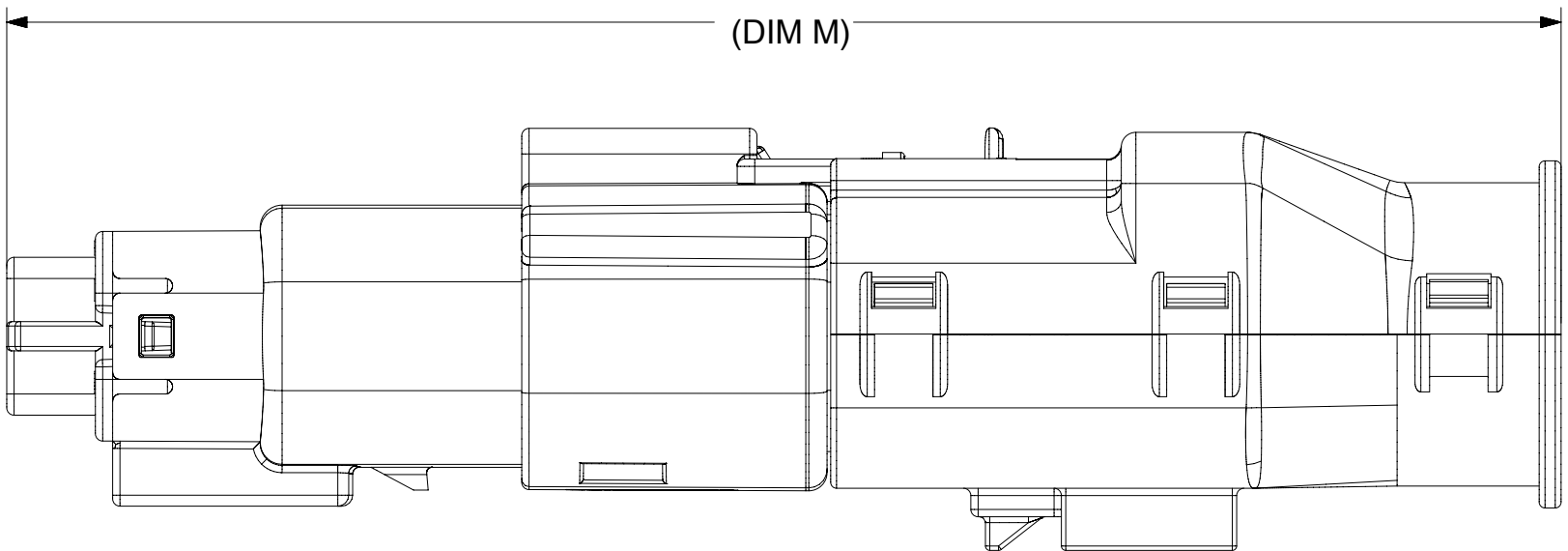
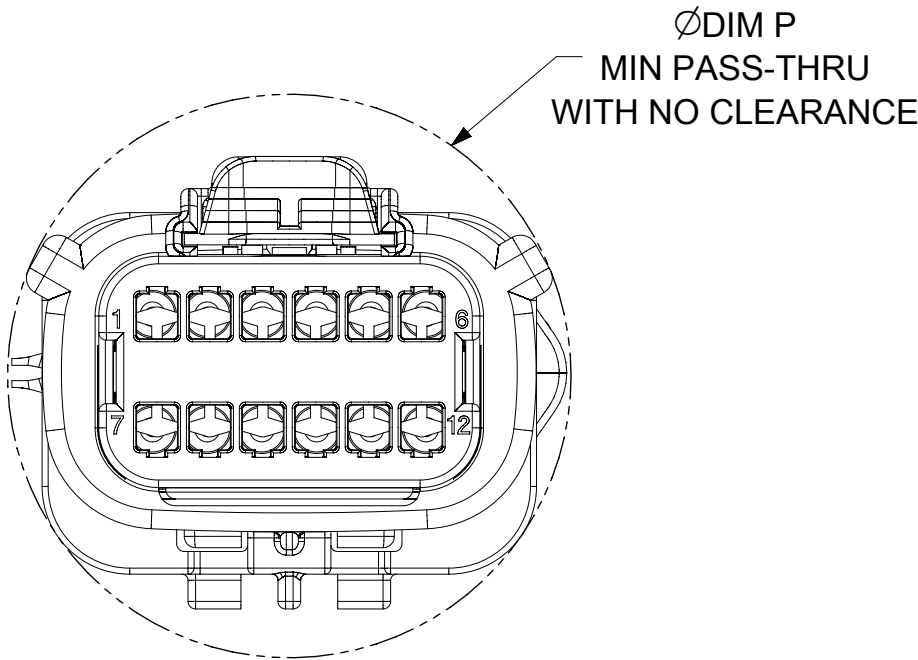
SHEET DESCRIPTION	
SCHLEMMER BACKSHELL CONFIGURATIONS	



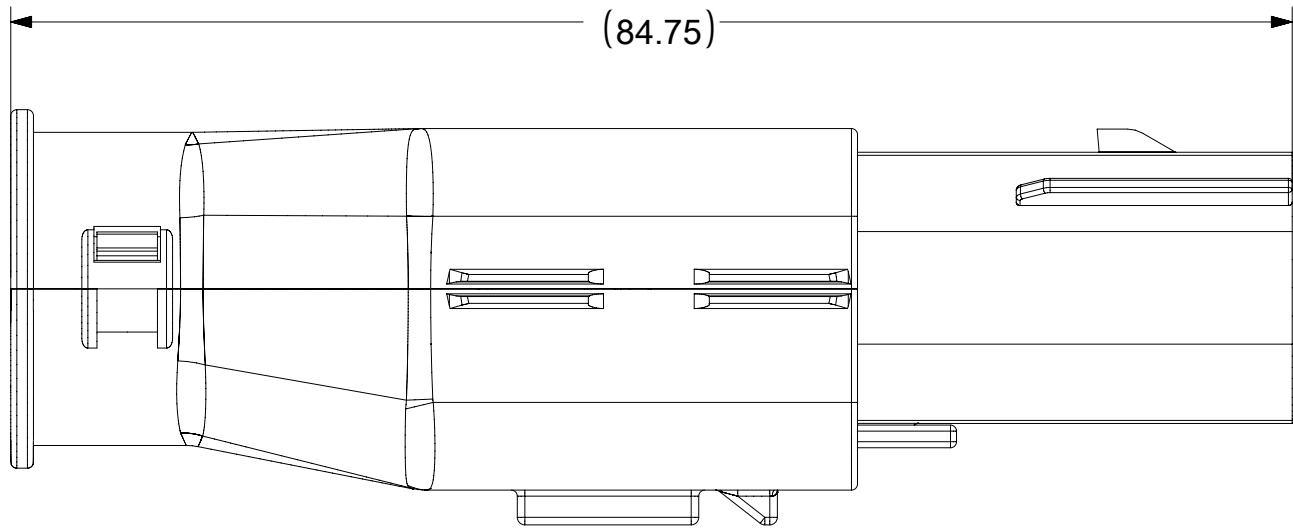
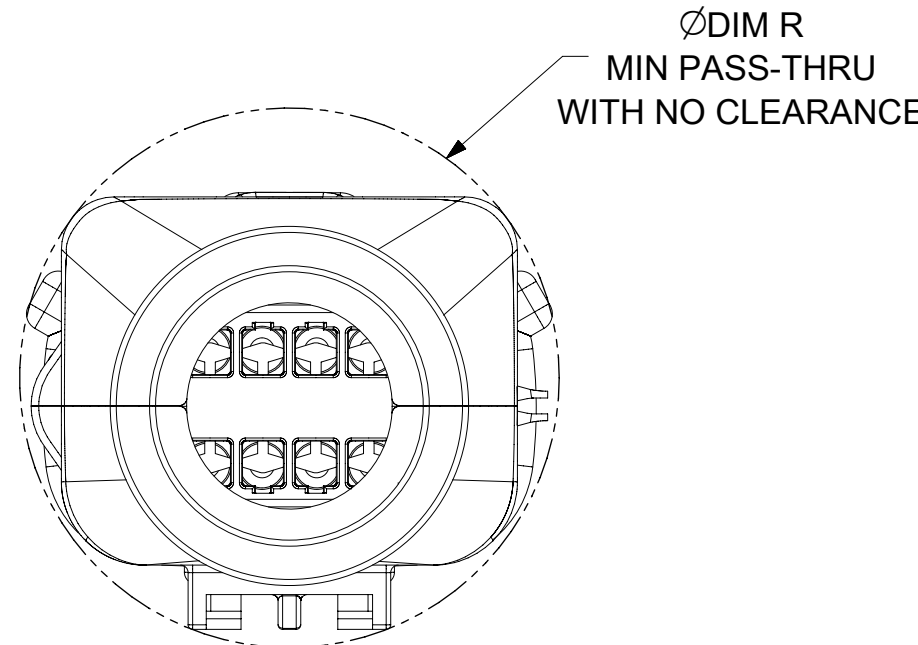
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



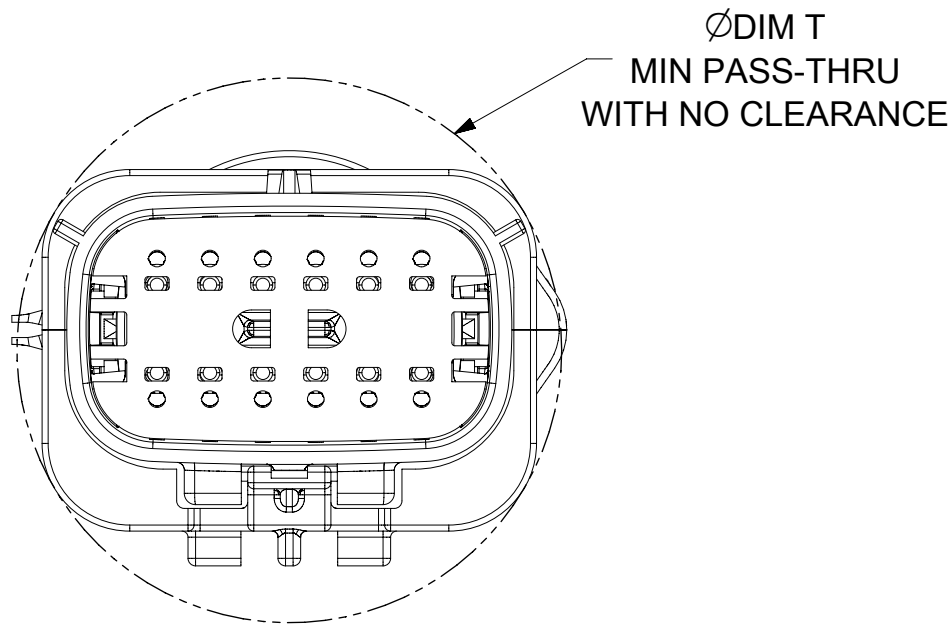
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



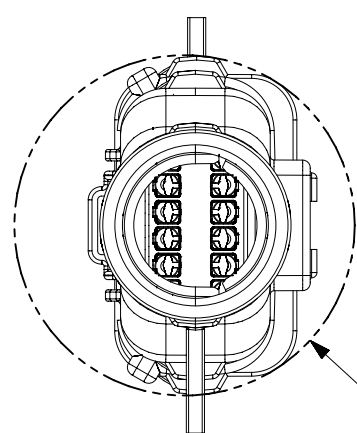
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	T
2X3	STANDARD	STANDARD	106.83	32.75	31.75	29.00	29.50
	LENGTHENED		108.71				
2X4	STANDARD	STANDARD	106.83	33.50	31.90	30.70	30.70
2X6	STANDARD	STANDARD	106.83	37.84	37.27	35.83	36.83

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16	22:02:26
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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:				molex													
	mm		2:1																			
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	= 0																					
	= 0		ANGULAR TOL ± 1.0 °						PRODUCT CUSTOMER DRAWING													
	= 0		4 PLACES ±										DOCUMENT NUMBER SD-33482-0001				DOC TYPE PSD		DOC PART 001		REVISION E2	
	= 0		3 PLACES ±																			
	= 0		2 PLACES ± 0.1		MATERIAL NUMBER A1-SIZE				CUSTOMER GENERAL MARKET		SHEET NUMBER 10 OF 11											
	= 0		1 PLACE ± 0.2																			
= 0		0 PLACES ±		THIRD ANGLE PROJECTION				DRAWING A1-SIZE		SERIES 33482												
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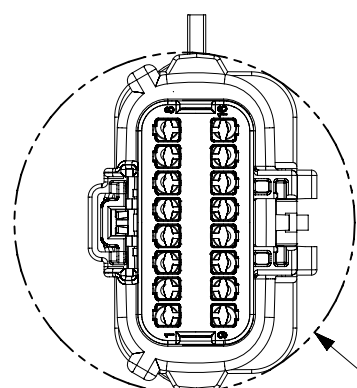
MOLEX BACKSHELL CONFIGURATIONS

CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS									
			U	V	W	X	Y	AA	AB	AC	AD	AE
2X4	STANDARD	STANDARD	115.24	94.36	93.93	75.62	32.10	32.93	32.54	32.85	31.76	56.81
2X8	STANDARD	STANDARD	132.49	102.81	102.73	84.07	36.10	45.44	45.44	42.65	45.44	68.18
2X10	STANDARD	STANDARD	132.49	102.81	102.73	84.07	36.10	45.44	45.44	42.65	45.44	68.18



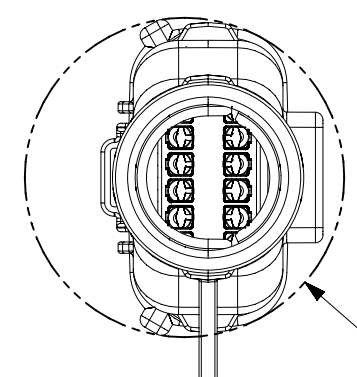
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL

(Ø DIM AA)
MIN PASS-THRU
WITH NO CLEARANCE



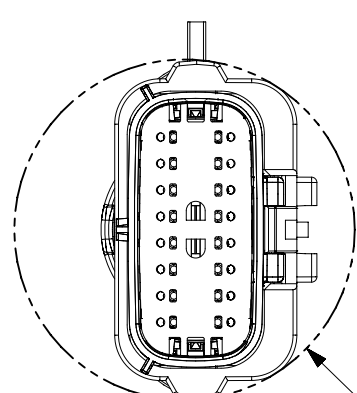
OVERALL MATED SYSTEM WITH BLADE BACKSHELL

(Ø DIM AB)
MIN PASS-THRU
WITH NO CLEARANCE



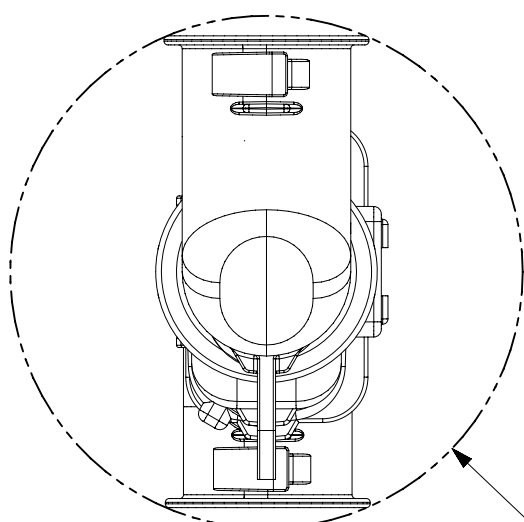
OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

(ØDIM AC)
MIN PASS-THRU
WITH NO CLEARANCE



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

(Ø DIM AD)
MIN PASS-THRU
WITH NO CLEARANCE

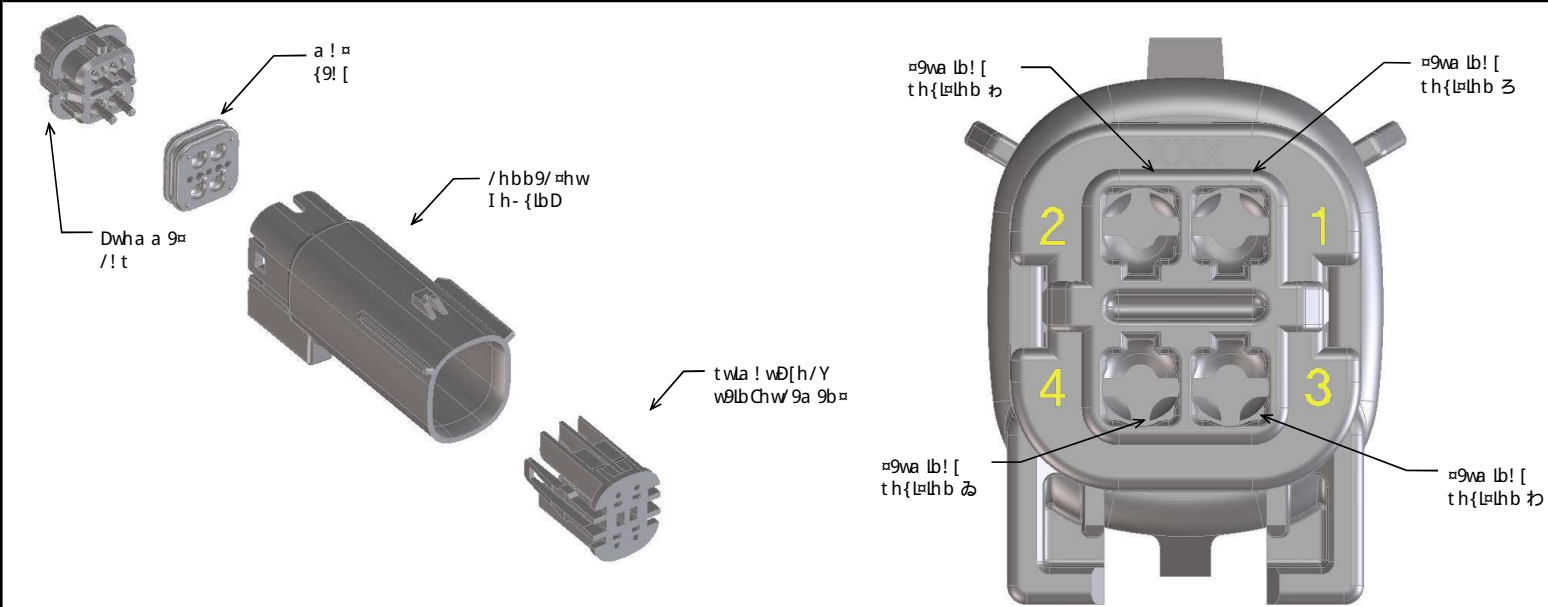


ADD THE VALUE OF 'Y' TO THE TOTAL DIMENSION
WHENEVER ADAPTOR IS USED

(ØDIM AE)
MIN PASS-THRU
WITH NO CLEARANCE

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)						
	= 0	ANGULAR TOL ± 1.0°						
	= 0	EC NO: 171650						
	= 0	DRWN: PMANJUNATHAC 2018/01/03						
	= 0	CHK'D: MVANSLAMBROU 2018/02/16						
	= 0	APPR: MVANSLAMBROU 2018/02/16		MX150 BLADE DUAL ROW SEALED ASSEMBLY MAT SEAL				
	= 0	INITIAL REVISION:						
	= 0	DRWN: APROFFITT 2014/04/28		PRODUCT CUSTOMER DRAWING				
	= 0	APPR: VKOSHY 2014/05/14						
	= 0	THIRD ANGLE PROJECTION		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	= 0	DRAWING		SD-33482-0001		PSD	001	E2
	= 0	SERIES		A1-SIZE		33482		
	= 0			MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		GENERAL MARKET		11 OF 11		

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/16	22:02:26
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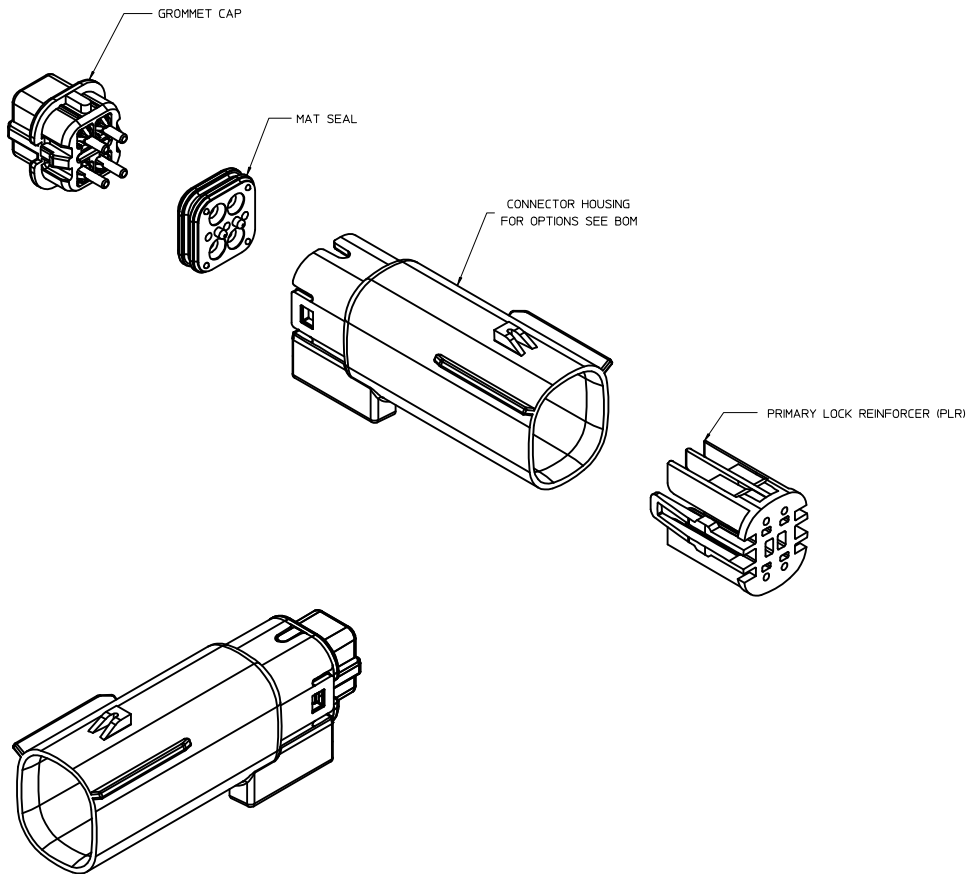
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! [Y	I h- {lbDɤ9ĐlbD ht ɤlbh !	. [! /Y	{t {lbĐ[hb DCɤ
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[2]

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		¼I 9tw9{9b/9hC¼! b! . . w9¼ ¼¼hb lb5L¼! ¼9¼ ¼I 9 tw9{9b/9hC¼¼! ¼/h a thb9b¼¼					/! ' ¼¼D° ¼I ! b- a . 9wlb5L¼! ¼9{ . [h/Y95 ¼9wa lb! [th{¼hb /! ' ¼¼D° ¼I h- ¼! b- a . 9wlb5L¼! ¼9{ ht 9b ¼9wa lb! [th{¼hb													
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Y9D/ ¼¼ wh° b	¼¼¼¼¼¼¼¼	/ ¼¼	D/	t[w	a											b¼¼ w9/ha a 9b595	{99 ¼¼¼¼¼¼¼¼	¼¼¼¼¼¼¼¼		
Y9D5¼Dw99b	¼¼¼¼¼¼¼¼	5 ¼D¼	D/	t[w	a											b¼¼ w9/ha a 9b595	{99 ¼¼¼¼¼¼¼¼	¼¼¼¼¼¼¼¼		
¹ hI5 Y9E	¼¼¼¼¼¼¼¼																			
Y9D! ¼{ /Y	¼¼¼¼¼¼¼¼	! ¼IY	D/	t[w	a											{! [9! . [9	¼¼¼¼¼¼¼¼	¼¼¼¼¼¼¼¼		
Y9D. ¼I DI ¼ Dw¼ E	¼¼¼¼¼¼¼¼	. ¼D	D/	t[w	a											{! [9! . [9	¼¼¼¼¼¼¼¼	¼¼¼¼¼¼¼¼		
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Y9D5¼Dw99b	¼¼¼¼¼¼¼¼	5 ¼D¼	D/	t[w	a											b¼¼ w9/ha a 9b595	{99 ¼¼¼¼¼¼¼¼	¼¼¼¼¼¼¼¼		

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



- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-041.
-FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.4mm TO 2.69mm.
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION.
-IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT www.molex.com <<http://www.molex.com>>
-ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 WITH THE FOLLOWING EXCEPTIONS:
TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 45 NEWTONS.
- b. PRODUCT SPECIFICATION SEE: PS-33472-000
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
a. CONNECTOR HOUSING: GROMMET CAP, PLR: SPS/NYLON 20% GLASS FILLED
b. MAT SEAL: INTERNALLY LUBRICATED SILICONE
3. DESIGN - GEOMETRY:
a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
g. LASER MARKING: TBD

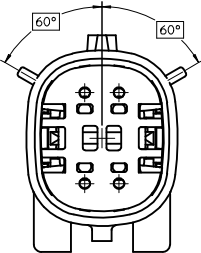
INSPECTION NUMBER LOG
LAST NUMBER USED:
ADDED:
REMOVED:

REVISED EC NO: UAU2016-0465 DRAWN BY: CHYKX8BORUSZESKI APPROVED BY: APPR:VKOSHY	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±0.10 ±.--- 1 PLACE ±0.3 ±.--- 0 PLACE ± ±. ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: MYANSLAMBROU CHECKED BY: DGR1FF1THS APPROVED BY: SMARCEAU DATE: 04-27-06 DATE: 06-22-06 DATE: 06-22-06	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33482-041	SHEET NO. 1 OF 5

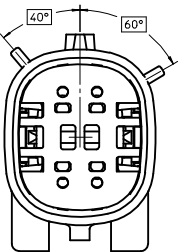
V	UPDATED STATUS AND COMMENTS COLUMNS
U	ADD NEW P/N 33482-4417
T	ADD NEW P/N 33482-4415 33482-4416
S	ADD NEW P/N 33482-4413
R	ADD NEW P/N 33482-4412
Q	UPDATED GROMMET CAP
P3	UPDATED DIMENSIONS
P2	UPDATED DIMENSIONS TO MATCH MODEL
P1	UPDATED NOTES
P	REDRAWN
REV	DESCRIPTION
SCALE 3:1	DESIGN UNITS METRIC
THIRD ANGLE PROJECTION	

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

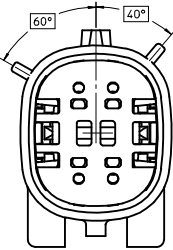
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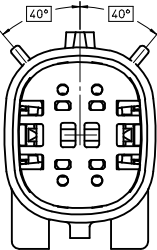
KEY A



KEY B



KEY C



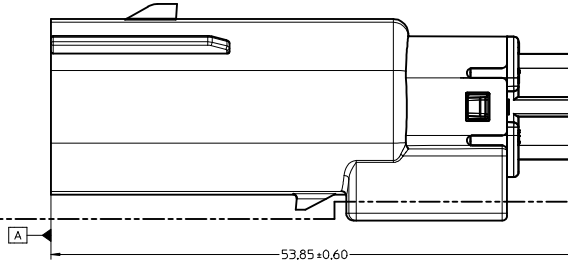
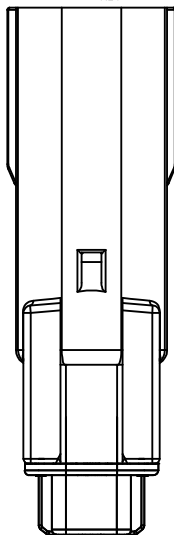
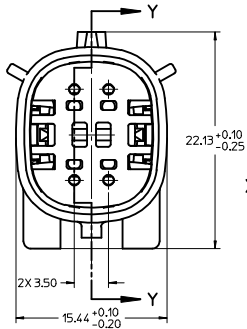
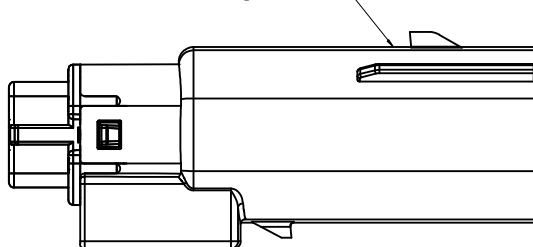
KEY D

REVISED IEC NO: UAU2016-0465 DRAWN: PROFFITT 2015/10/06 CHECKED: KRUSZEWSKI 2015/10/06 APPR: WOSHY 2015/10/07	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33482-041	SHEET NO. 2 OF 5							
				mm	INCH	DRAWN BY MYANSLAMBROU	DATE 04-27-06	MATERIAL NO.												
			4 PLACES	± ---	± ---	CHECKED BY DGRIFITHS	DATE 06-22-06	APPROVED BY SMARCEAU												
			3 PLACES	± ---	± ---	DATE 06-22-06		DATE 06-22-06												
						2 PLACES	± 0.10	± ---												
						1 PLACE	± 0.3	± ---												
						0 PLACE	±	±												
						ANGULAR ± 3 °			SIZE D					SEE BOM						
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

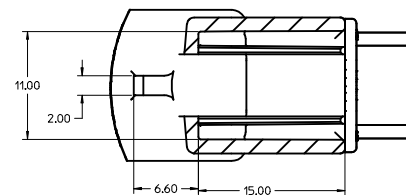
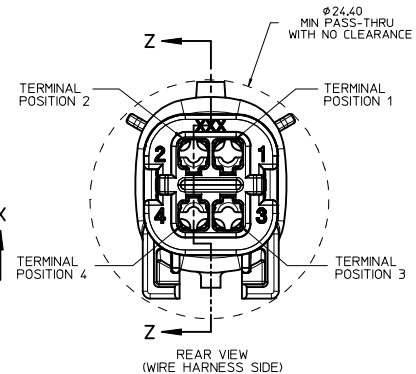
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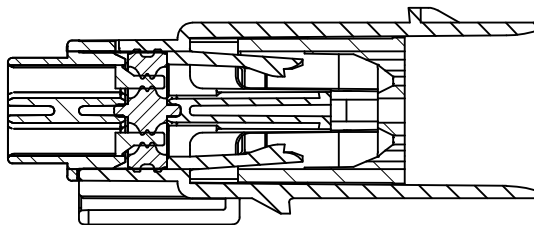
OPTIONAL LASER MARKING ON
THIS SURFACE SEE NOTE 3g



BLADE SEALED ASSEMBLY

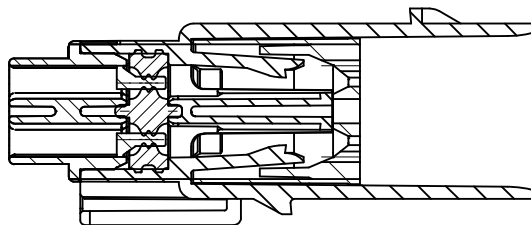


PARTIAL X-X
SCALE 4:1



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

SECTION Z-Z



PRIMARY LOCK REINFORCER (PLR) SHOWN
IN FINAL LOCK POSITION

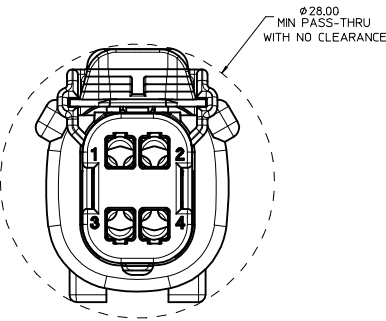
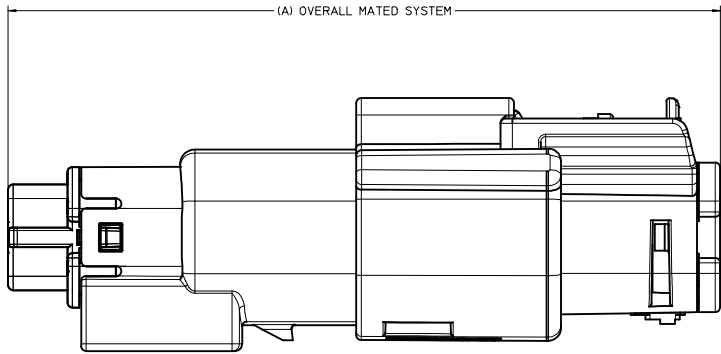
SECTION Y-Y

REVISED IEC NO. UAU2016-0465 DRAWN BY: CHYKX80RUSZEWSKI 2015/10/06 CHECKED BY: APPR:VKOSHY 2015/10/07 V	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm		INCH		DRAWN BY MYANSLAMBROU		DATE 04-27-06	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL			
			4 PLACES ± ---		± ---		CHECKED BY		DATE 06-22-06	molex			
			3 PLACES ± ---		± ---		DGRIFITHS		06-22-06				
			2 PLACES ± 0.10		± ---		APPROVED BY		DATE 06-22-06				
			1 PLACE ± 0.3		± ---		SMARCEAU		06-22-06				
			0 PLACE ±		±		MATERIAL NO.		DOCUMENT NO.		SD-33482-041		
			ANGULAR ± 3 °		±		SEE BOM				SHEET NO. 3 OF 5		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SYSTEM PACKAGING

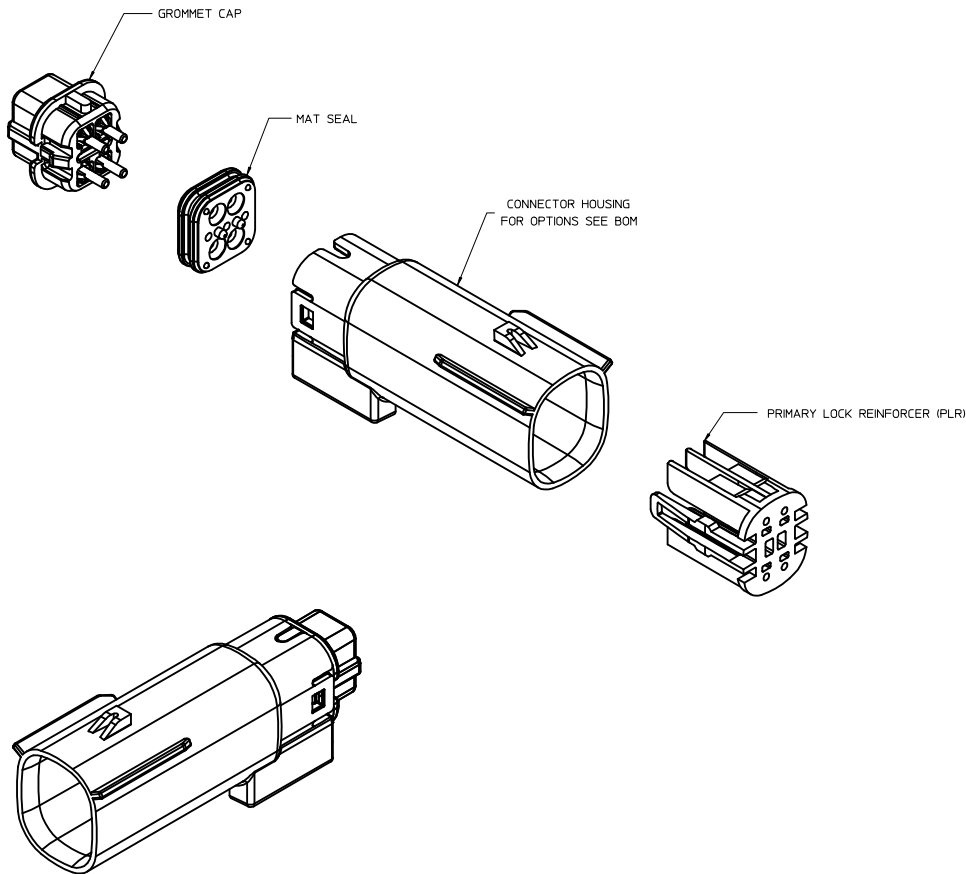


CHARTED DIMENSIONS		
RECEPTACLE ASSY PART NUMBER	CONFIGURATION	A
33472-0401 THRU 33472-0452	MX150 2X2 RECEPTACLE SEALED ASSEMBLY - STANDARD	72.78
33472-4401 THRU 33472-4412	MX150 2X2 RECEPTACLE SEALED ASSEMBLY - LENGTHENED	77.21

REVISED IEC NO: UAU2016-0465 DRAWN BY: CHYKX80RUSZEWSKI 2015/10/06 CHECKED BY: APPR:VKOSHY 2015/10/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY MYANSLAMBROU	DATE 04-27-06	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL		
				CHECKED BY DGRIFITHS	DATE 06-22-06	DOCUMENT NO. SD-33482-041		
				APPROVED BY SMARCEAU	DATE 06-22-06			
		ANGULAR ± 3 °		MATERIAL NO. SEE BOM		SHEET NO. 4 OF 5		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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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.
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TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 45 NEWTONS.
b. PRODUCT SPECIFICATION SEE: PS-33472-000
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
a. CONNECTOR HOUSING: GROMMET CAP, PLR: SPS/NYLON 20% GLASS FILLED
b. MAT SEAL: INTERNALLY LUBRICATED SILICONE
3. DESIGN - GEOMETRY:
a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
g. LASER MARKING: TBD

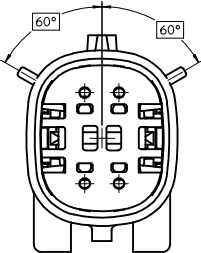
INSPECTION NUMBER LOG
LAST NUMBER USED:
ADDED:
REMOVED:

REVISED EC NO: UAU2016-0465 DRAWN BY: CHYKX8BORISZEK APPROVED BY: APPR:VKOSHY DATE: 2015/10/06 DATE: 2015/10/07	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±0.10 ±.--- 1 PLACE ±0.3 ±.--- 0 PLACE ± ±. ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: MYANSLAMBROU CHECKED BY: DGR1FF1THS APPROVED BY: SMARCEAU DATE: 04-27-06 DATE: 06-22-06 DATE: 06-22-06	MATERIAL NO. SEE BOM SIZE D	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL molex SD-33482-041	DOCUMENT NO.	SHEET NO. 1 OF 5

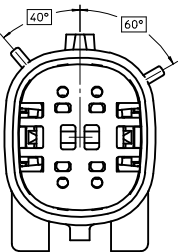
V	UPDATED STATUS AND COMMENTS COLUMNS
U	ADD NEW P/N 33482-4417
T	ADD NEW P/N 33482-4415 33482-4416
S	ADD NEW P/N 33482-4413
R	ADD NEW P/N 33482-4412
Q	UPDATED GROMMET CAP
P3	UPDATED DIMENSIONS
P2	UPDATED DIMENSIONS TO MATCH MODEL
P1	UPDATED NOTES
P	REDRAWN
REV	DESCRIPTION
SCALE 3:1	DESIGN UNITS METRIC
THIRD ANGLE PROJECTION	

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

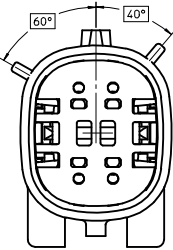
KEY CONFIGURATIONS



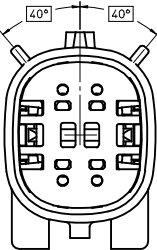
KEY A



KEY B



KEY C



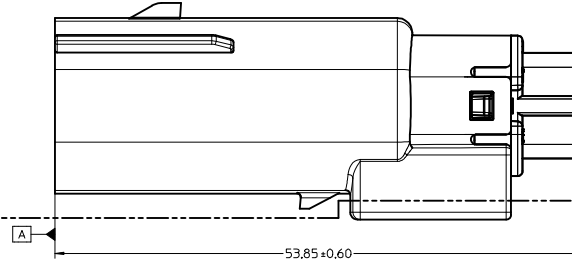
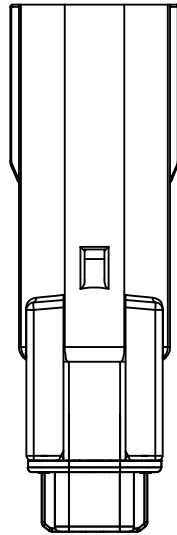
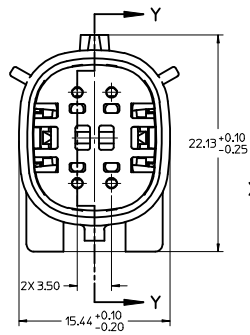
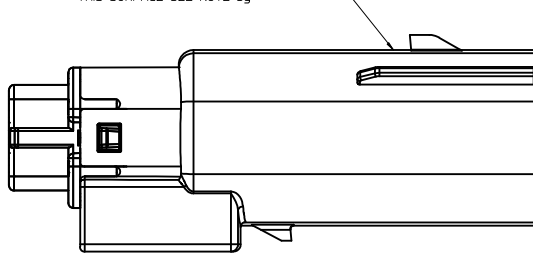
KEY D

REVISED IEC NO: UAU2016-0465 DRAWN: PROFFITT 2015/10/06 CHECKED: BRUSZESKI 2015/10/06 APPR: WOSHY 2015/10/07	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY MYANSLAMBROU	DATE 04-27-06	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL		
			4 PLACES	± ---	± ---	CHECKED BY DGRIFITHS	DATE 06-22-06	DOCUMENT NO. SD-33482-041		
			3 PLACES	± ---	± ---	APPROVED BY SMARCEAU	DATE 06-22-06			
			2 PLACES	± 0.10	± ---	MATERIAL NO. SEE BOM		SHEET NO. 2 OF 5		
			1 PLACE	± 0.3	± ---					
			0 PLACE	±	±					
			ANGULAR ± 3 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

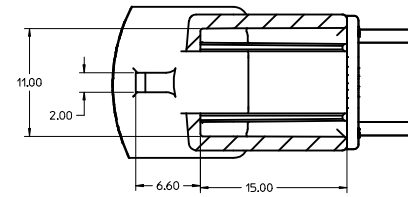
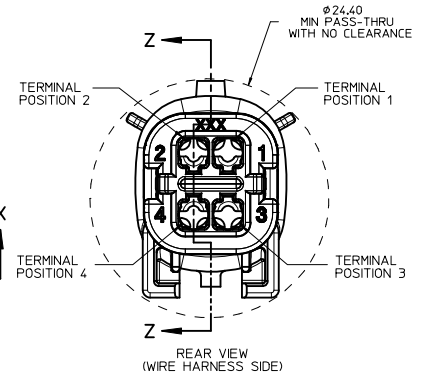
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

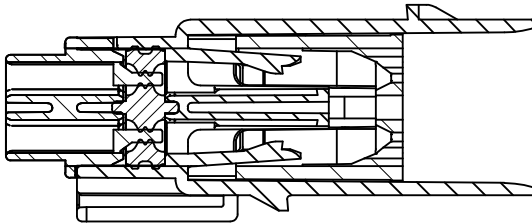
OPTIONAL LASER MARKING ON
THIS SURFACE SEE NOTE 3g



BLADE SEALED ASSEMBLY

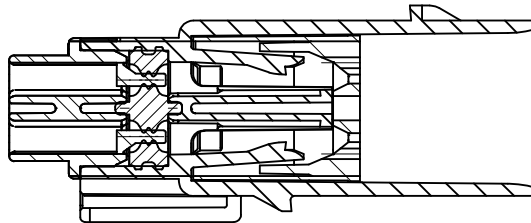


PARTIAL X-X
SCALE 4:1



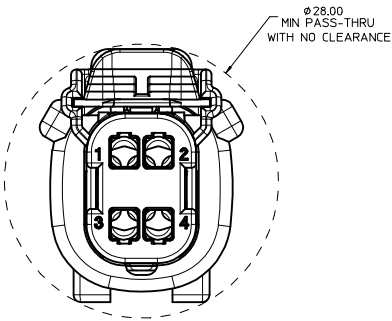
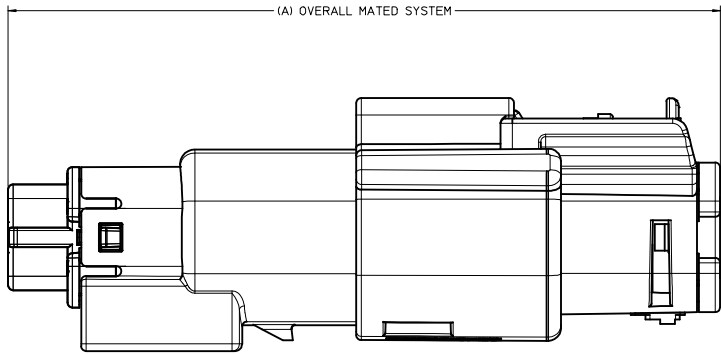
PRIMARY LOCK REINFORCER (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION Z-Z



20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SYSTEM PACKAGING



CHARTED DIMENSIONS		
RECEPTACLE ASSY PART NUMBER	CONFIGURATION	A
33472-0401 THRU 33472-0452	MX150 2X2 RECEPTACLE SEALED ASSEMBLY - STANDARD	72.78
33472-4401 THRU 33472-4412	MX150 2X2 RECEPTACLE SEALED ASSEMBLY - LENGTHENED	77.21

REVISED IEC NO. UAU2016-0465 DRAWN BY: CHYKX80RUSZEWSKI 2015/10/06 CHECKED BY: APPR:VKOSHY 2015/10/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY MYANSLAMBROU	DATE 04-27-06	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL		
				CHECKED BY DGRIFITHS	DATE 06-22-06	DOCUMENT NO. SD-33482-041		
				APPROVED BY SMARCEAU	DATE 06-22-06			
		ANGULAR ± 3 °		MATERIAL NO. SEE BOM		SHEET NO. 4 OF 5		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

