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8	BACKSHELL
9	BACKSHELL CONFIGURATIONS

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:  
a. APPLICATION SPECIFICATION SEE: AS-33472-100  
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.  
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN THE MATING CONNECTOR DRAWINGS CHART.  
\*DENOTES DRAWINGS THAT CAN BE ACCESSED AT <http://ewcap.uscarteams.org/>.  
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 5).

b. PRODUCT SPECIFICATION SEE:  
-STANDARD CONFIGURATION: PS-33472-000  
-UL V0 CONFIGURATION: TBD  
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS.

c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635

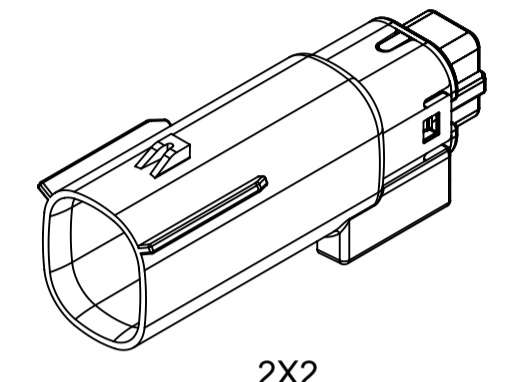
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300

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

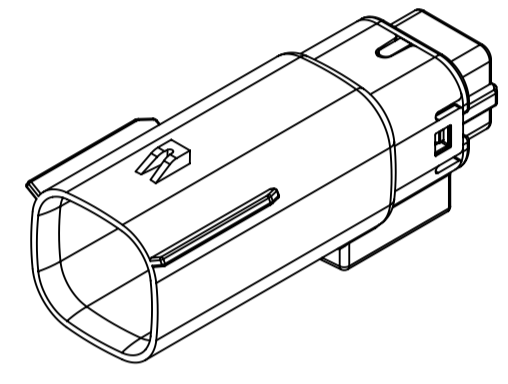
2. DESIGN - MATERIALS:  
a. FOR BILL OF MATERIALS SEE:  
-STANDARD CONFIGURATION: SD-33482-0002  
-UL V0 CONFIGURATION: SD-160084-0002

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.

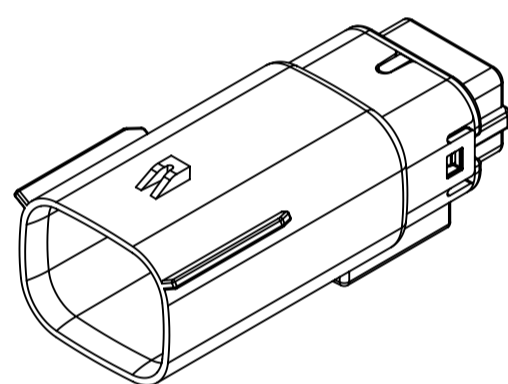
MATING CONNECTOR DRAWINGS	
DESCRIPTION	MOLEX INLINE
2X2	SD-33472-0001
2X3	SD-33472-0001
2X4	SD-33472-0001
2X6	SD-33472-0001
2X8	SD-33472-0001
2X10	SD-33472-0001



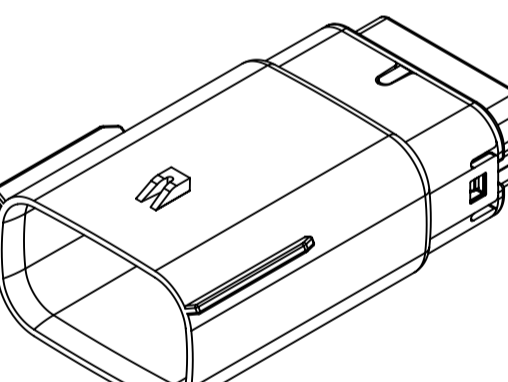
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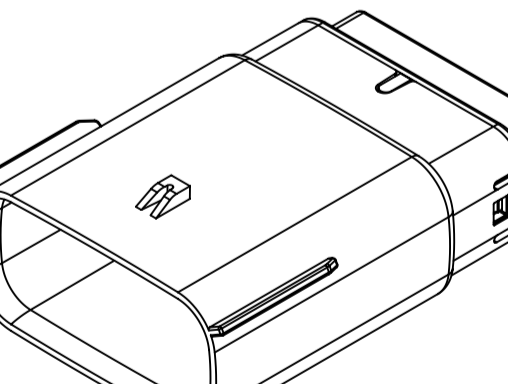
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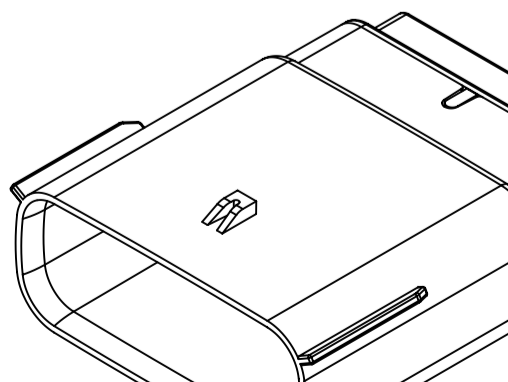
2X4



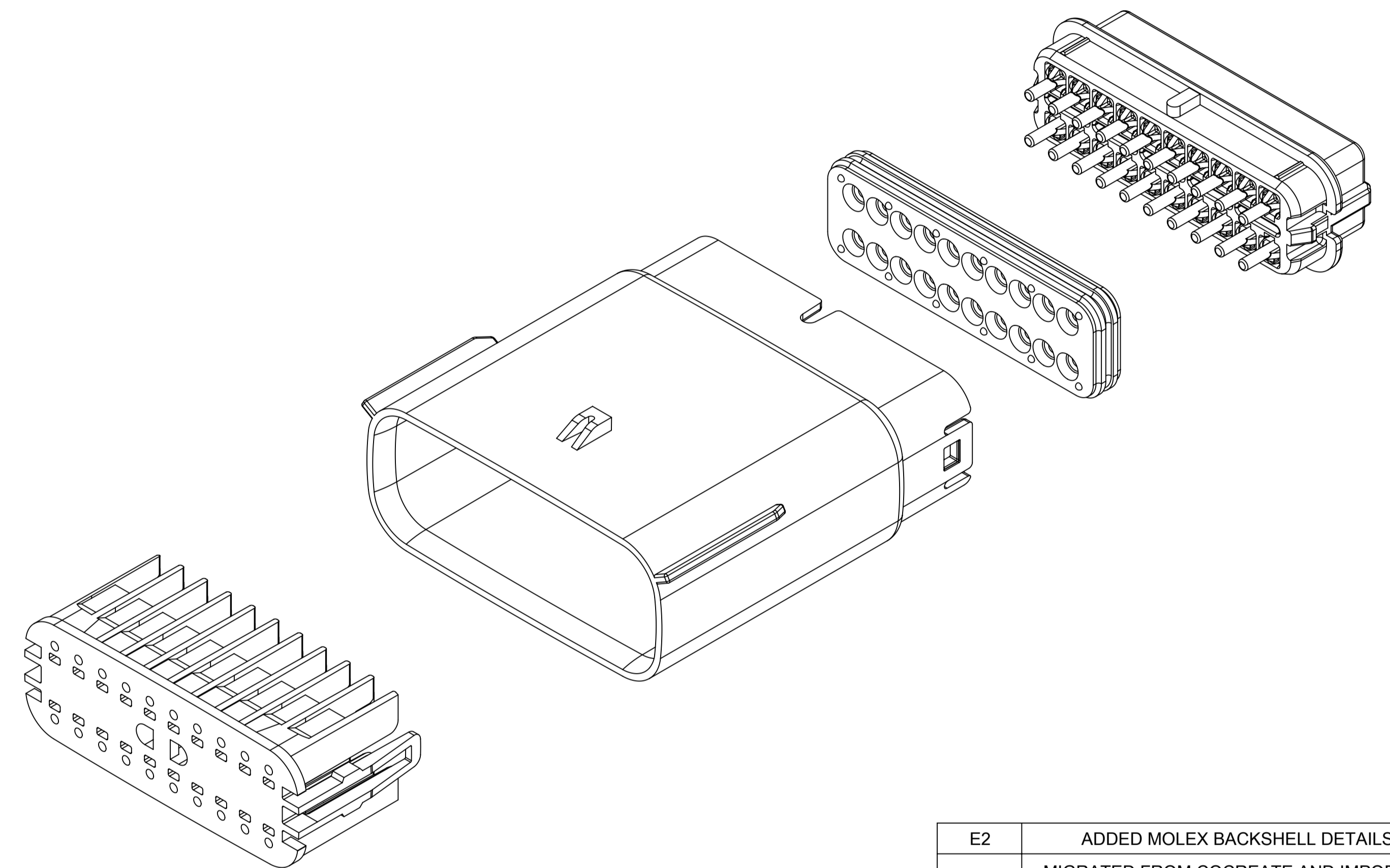
2X6



2X8



2X10

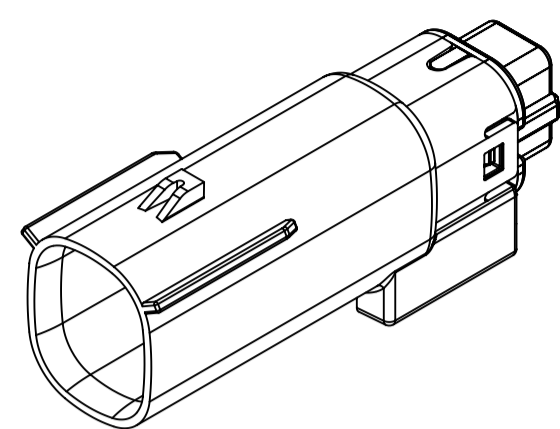


INSPECTION NUMBER LOG	
LAST NUMBER:	9
ADDED:	
REMOVED:	

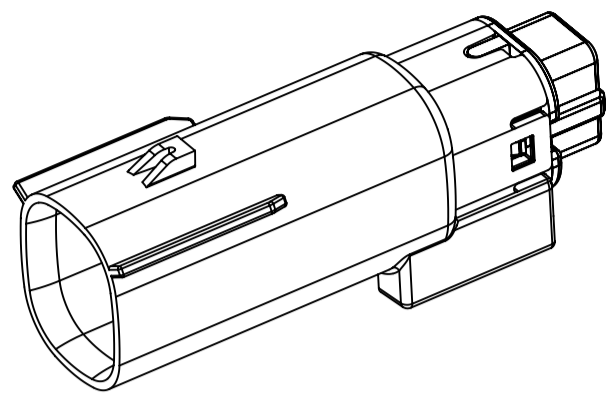
E2	ADDED MOLEX BACKSHELL DETAILS
E1	MIGRATED FROM COCREATE AND IMPORTED DXF FILES
E	ADDED CHARTED DIMENSIONS FOR 2X2, 2X4, 2X6 AND 2X8 WITH CLIPSLLOT
D	MINOR GEOMETRY CHANGE FOR UL V0
C3	ADD 2X4
C2	ADD 2X3
C1	ADD UL V0 CONFIGURATIONS
C	ADD 2X8
B1	ADD 2X6 BACKSHELL INFO
B	ADD 2X6
A	INITIAL RELEASE
REV	REV DESCRIPTION

<b>SYMBOLS</b> = 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: <b>mm</b> SCALE: <b>1.5:1</b> 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: 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	 MX150 BLADE DUAL ROW SEALED ASSEMBLY MAT SEAL PRODUCT CUSTOMER DRAWING												
	<table border="1"> <tr> <td>DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td><b>SD-33482-0001</b></td> <td>PSD</td> <td>001</td> <td><b>E2</b></td> </tr> </table>	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	<b>SD-33482-0001</b>	PSD	001	<b>E2</b>	<table border="1"> <tr> <td>MATERIAL NUMBER</td> <td>CUSTOMER</td> <td>SHEET NUMBER</td> </tr> <tr> <td></td> <td>GENERAL MARKET</td> <td>1 OF 11</td> </tr> </table>	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		GENERAL MARKET
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION												
<b>SD-33482-0001</b>	PSD	001	<b>E2</b>												
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER													
	GENERAL MARKET	1 OF 11													

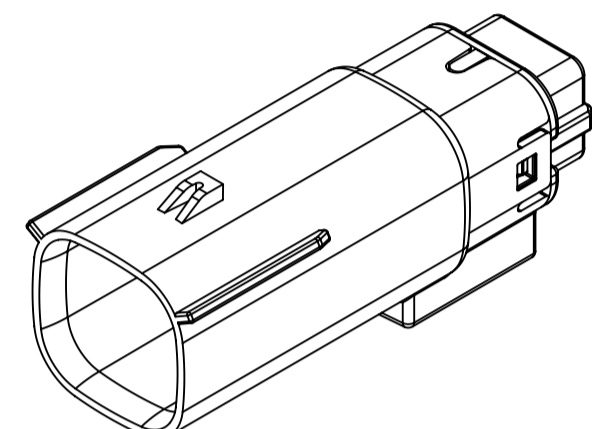
**SHEET DESCRIPTION**  
CONFIGURATIONS



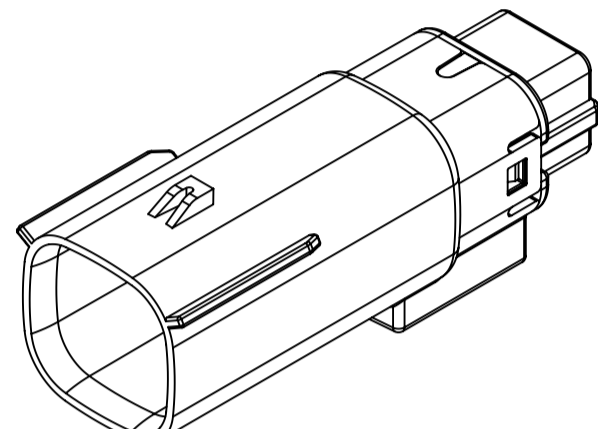
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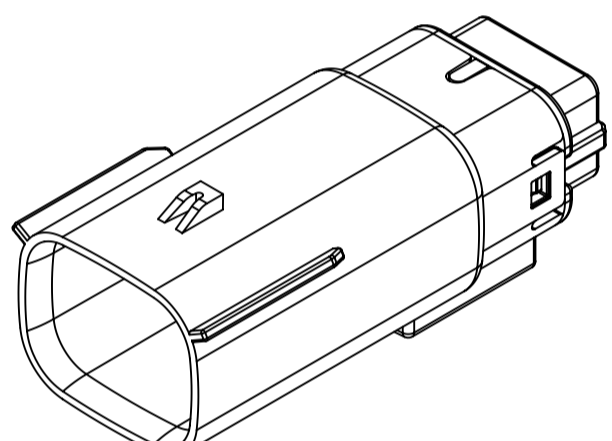
2X2 - UL V0\*



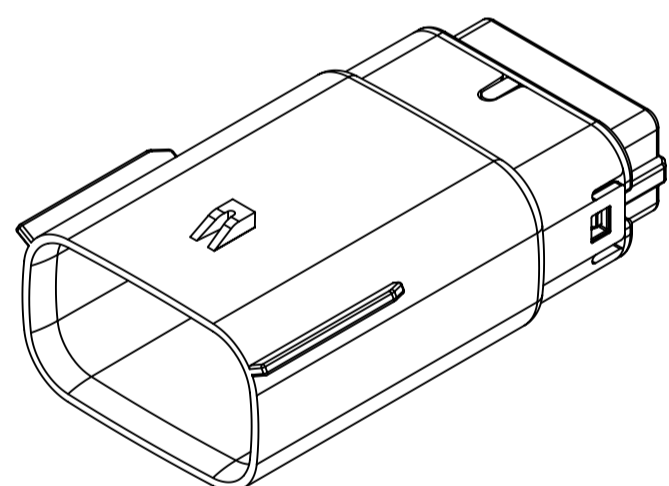
2X3 - STANDARD (STD)



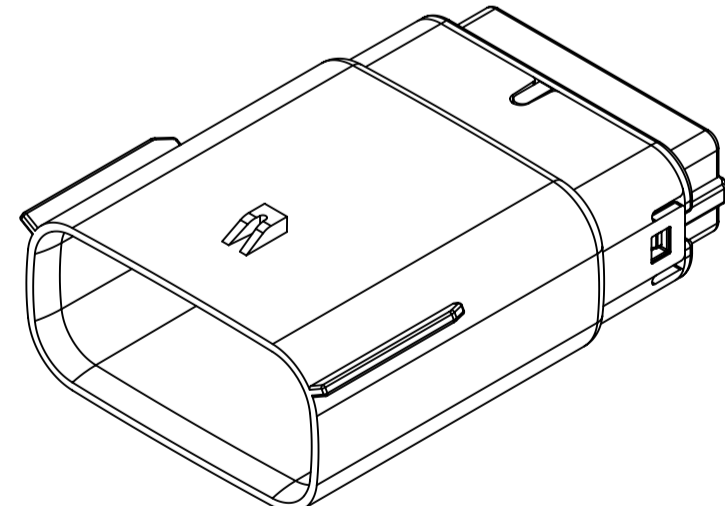
2X3 - LENGTHENED



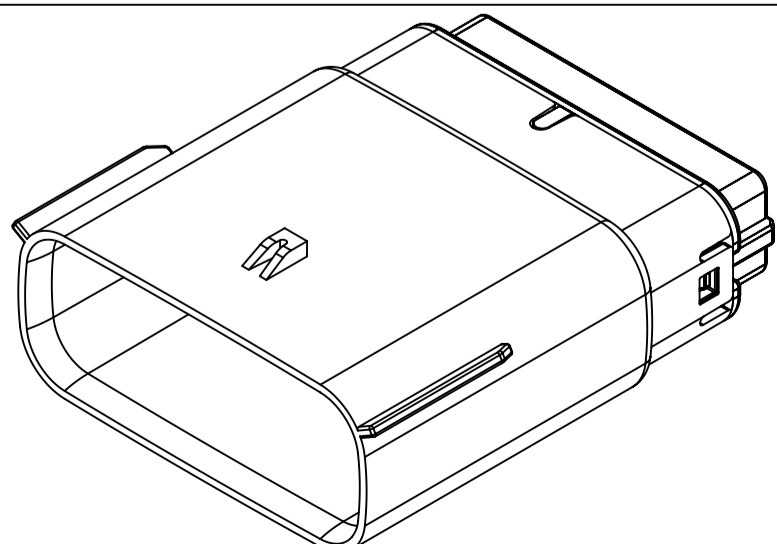
2X4 - STANDARD (STD)



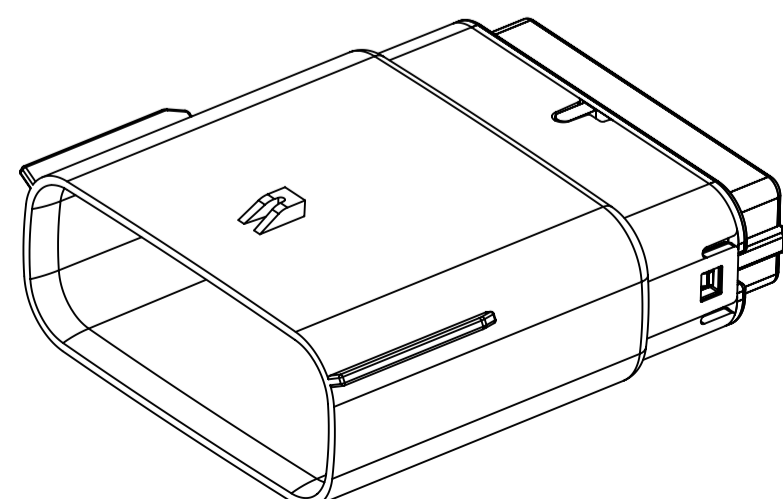
2X6 - STANDARD (STD)



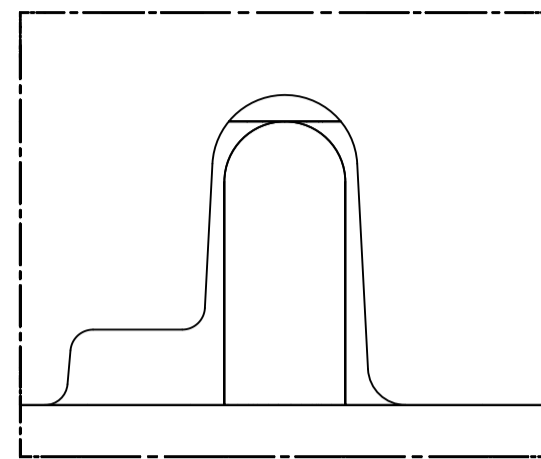
2X8 - STANDARD (STD)



2X10 - STANDARD (STD)



2X10 - UL V0\*



UL V0 UNIQUE FEATURE

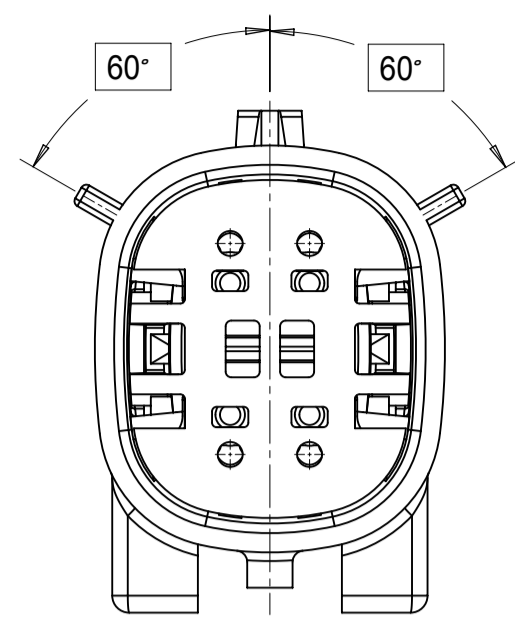
Partial1  
SCALE 10:1

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

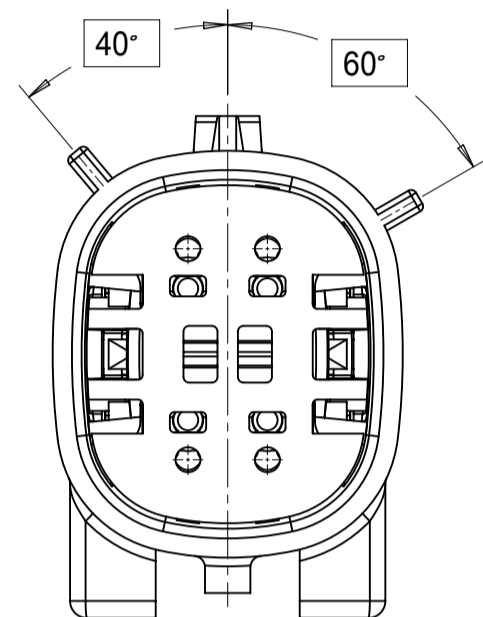
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: PMANJUNATHAC 2018/01/03		
▽ = 0	ANGULAR TOL ± 1.0°		CHK'D: MVANSLAMBROU 2018/02/16		
▽ = 0	4 PLACES ±		APPR: MVANSLAMBROU 2018/02/16		
▽ = 0	3 PLACES ±		INITIAL REVISION:		
▽ = 0	2 PLACES ± 0.1		DRWN: APROFFITT 2014/04/28		
▽ = 0	1 PLACE ± 0.2		APPR: VKOSHY 2014/05/14		
▽ = 0	0 PLACES ±		THIRD ANGLE PROJECTION		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING	SERIES	DOCUMENT NUMBER
			A1-SIZE	33482	SD-33482-0001
					DOC TYPE   DOC PART   REVISION
					PSD   001   E2
					PRODUCT CUSTOMER DRAWING
					MATERIAL NUMBER   CUSTOMER   SHEET NUMBER
					GENERAL MARKET   2 OF 11

**SHEET DESCRIPTION**  
KEY CONFIGURATIONS

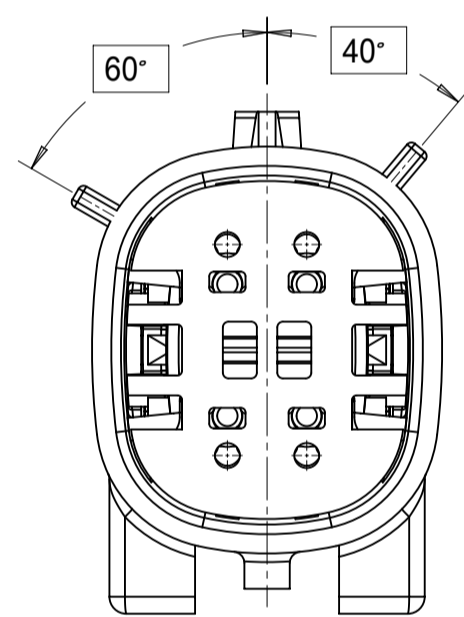
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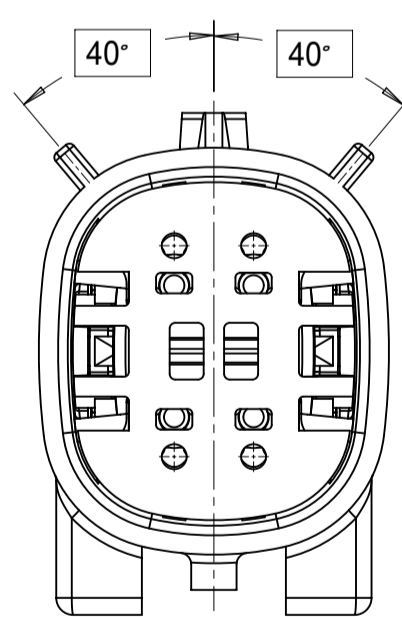
KEY A



KEY B

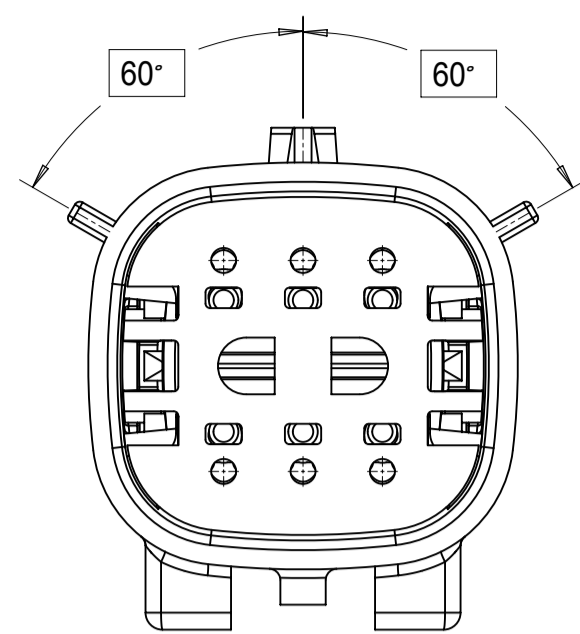


KEY C

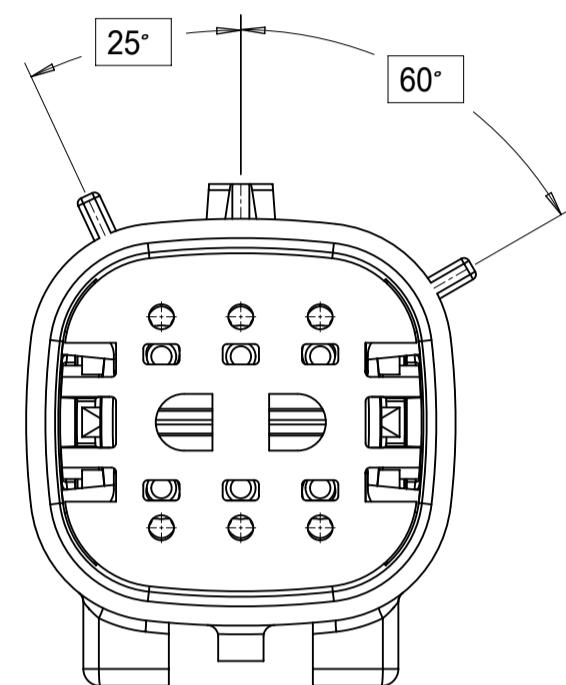


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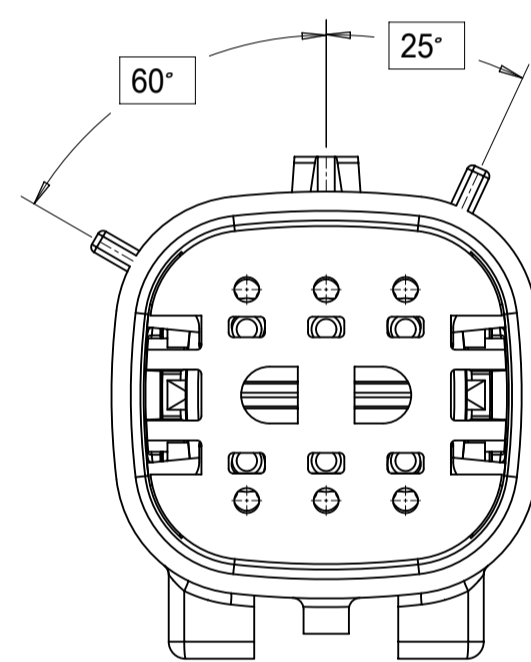
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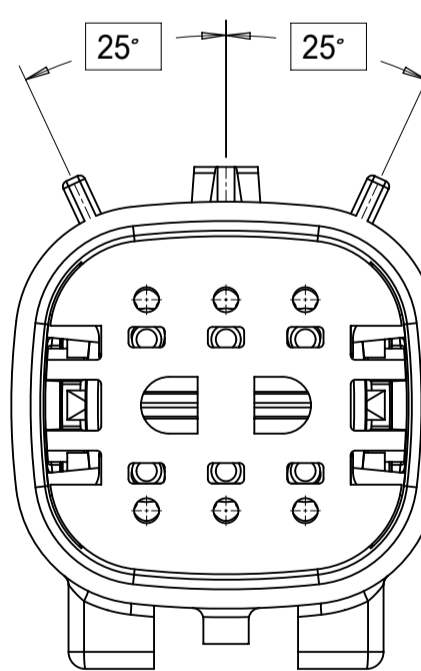
KEY A



KEY B

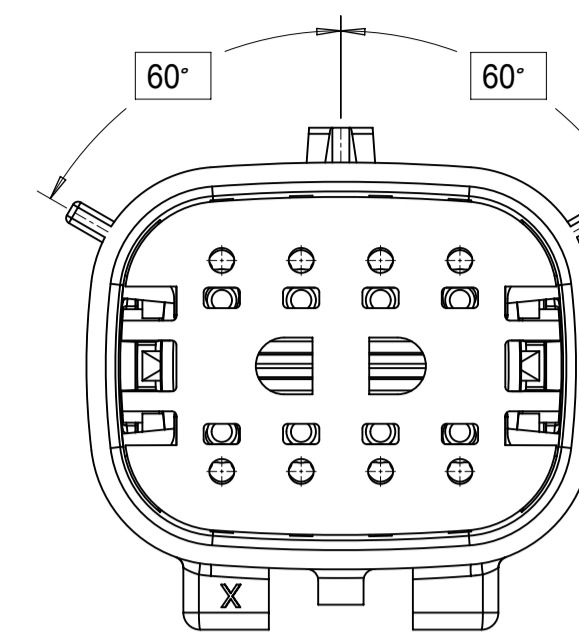


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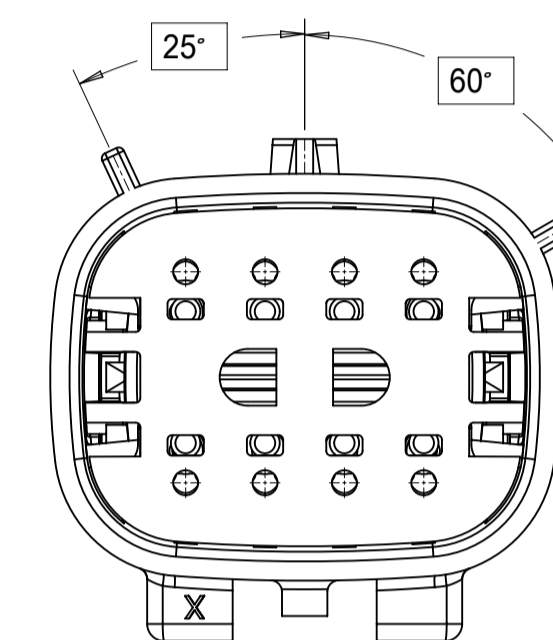


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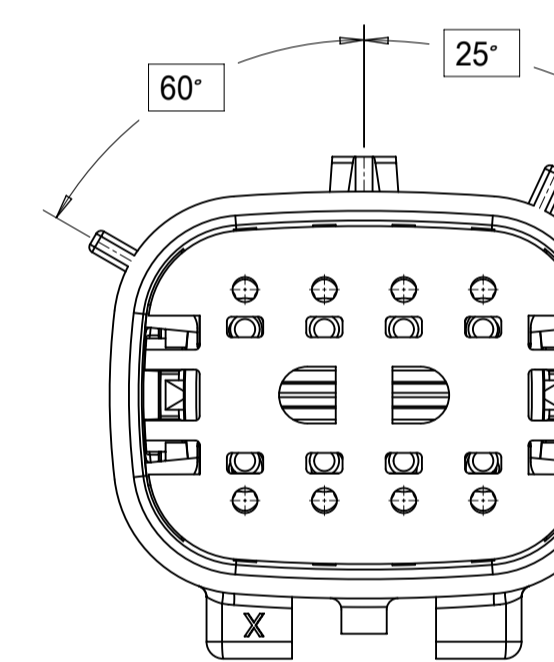
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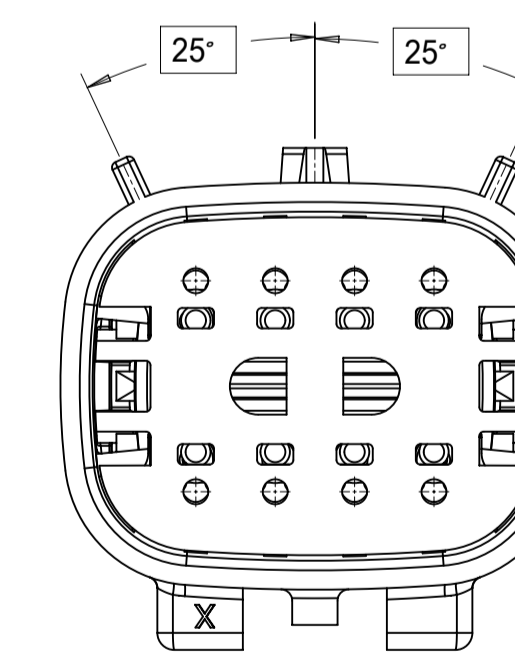
KEY A



KEY B



KEY C

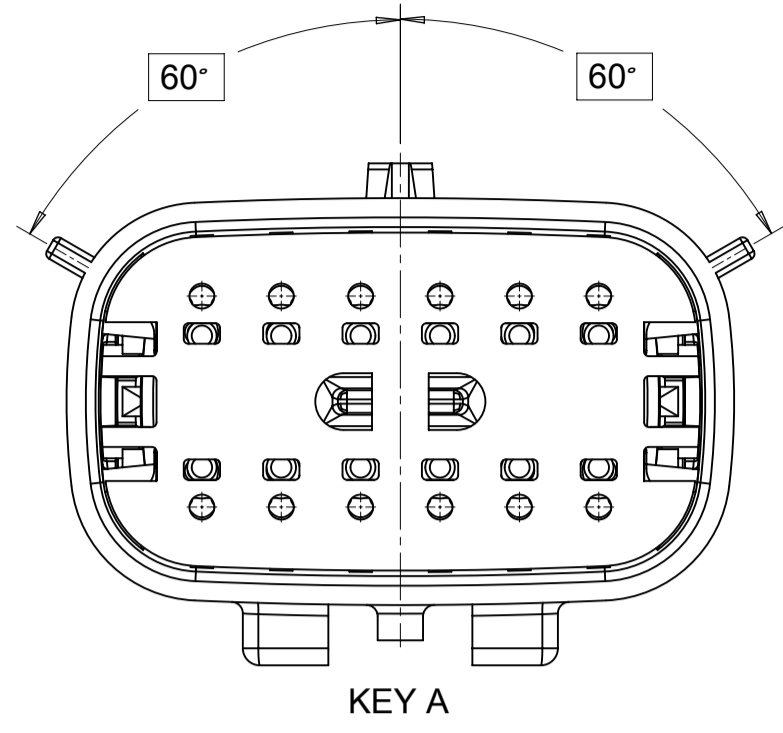


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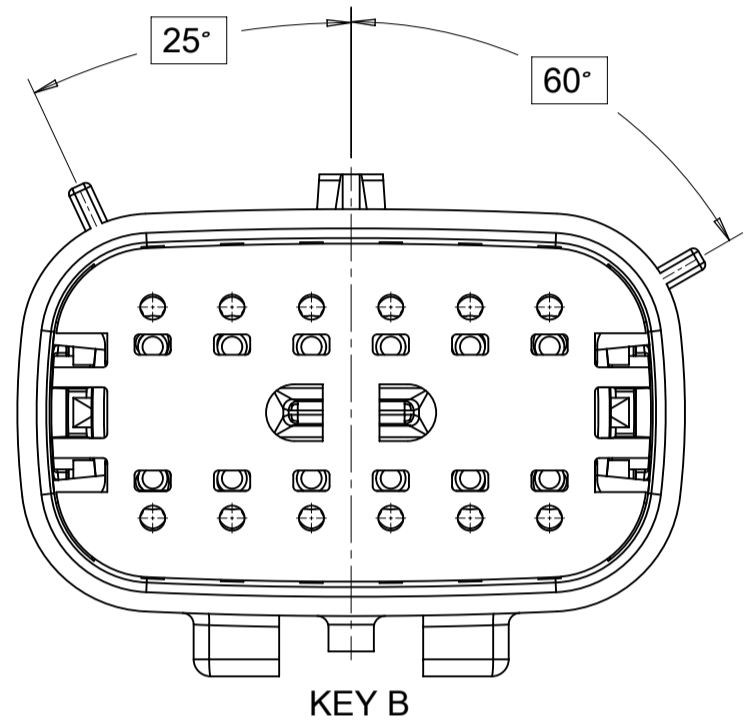
<b>SYMBOLS</b> = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>mm</b> SCALE: <b>3:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 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: PMANJUNATHAC 2018/01/03 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16  INITIAL REVISION: DRWN: APROFFITT 2014/04/28 2014/05/14 APPR: VKOSHY	  MX150 BLADE DUAL ROW SEALED ASSEMBLY MAT SEAL  PRODUCT CUSTOMER DRAWING
	DOCUMENT NUMBER: <b>SD-33482-0001</b> DOC TYPE: PSD DOC PART: 001 REVISION: E2	MATERIAL NUMBER: <b>33482</b> CUSTOMER: <b>GENERAL MARKET</b> SHEET NUMBER: <b>3 OF 11</b>	

**SHEET DESCRIPTION**  
KEY CONFIGURATIONS CONT.

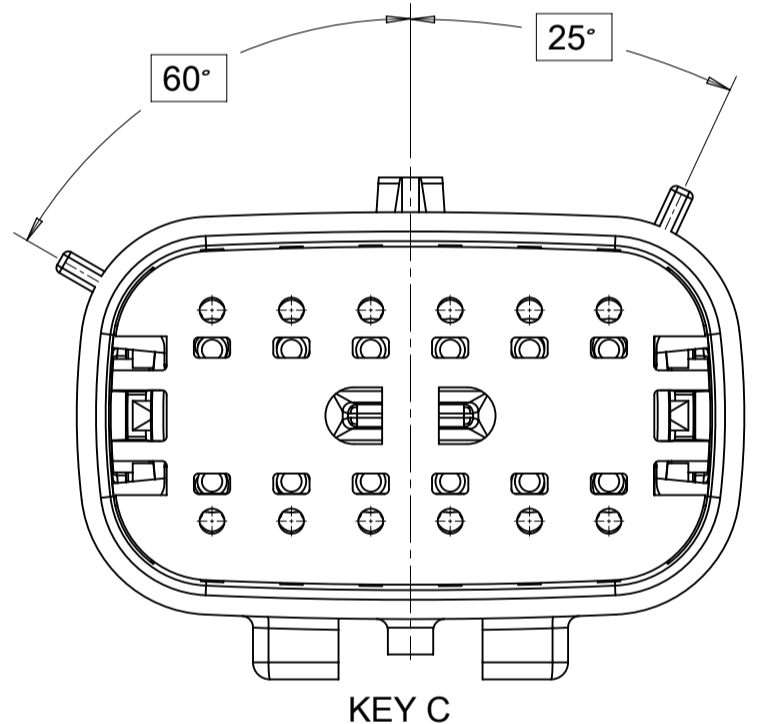
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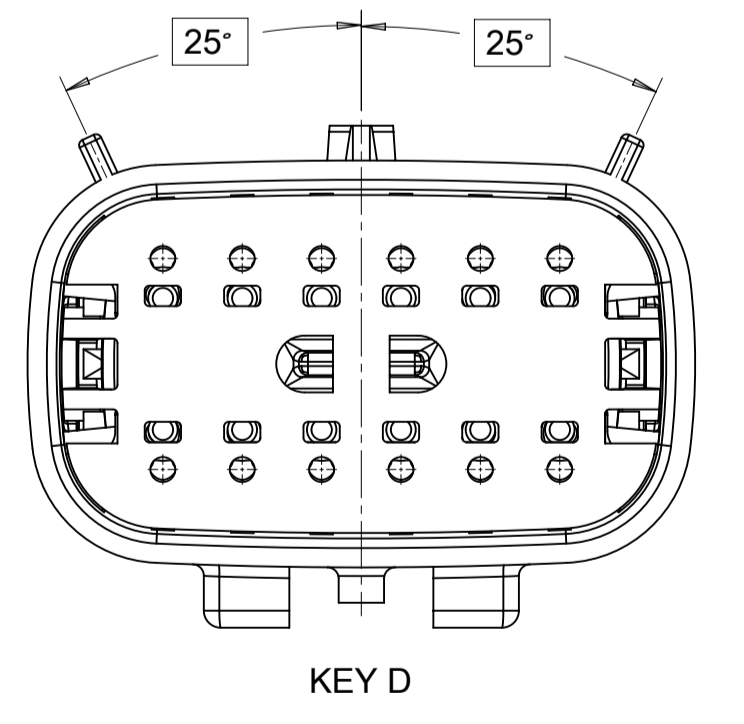
KEY A



KEY B

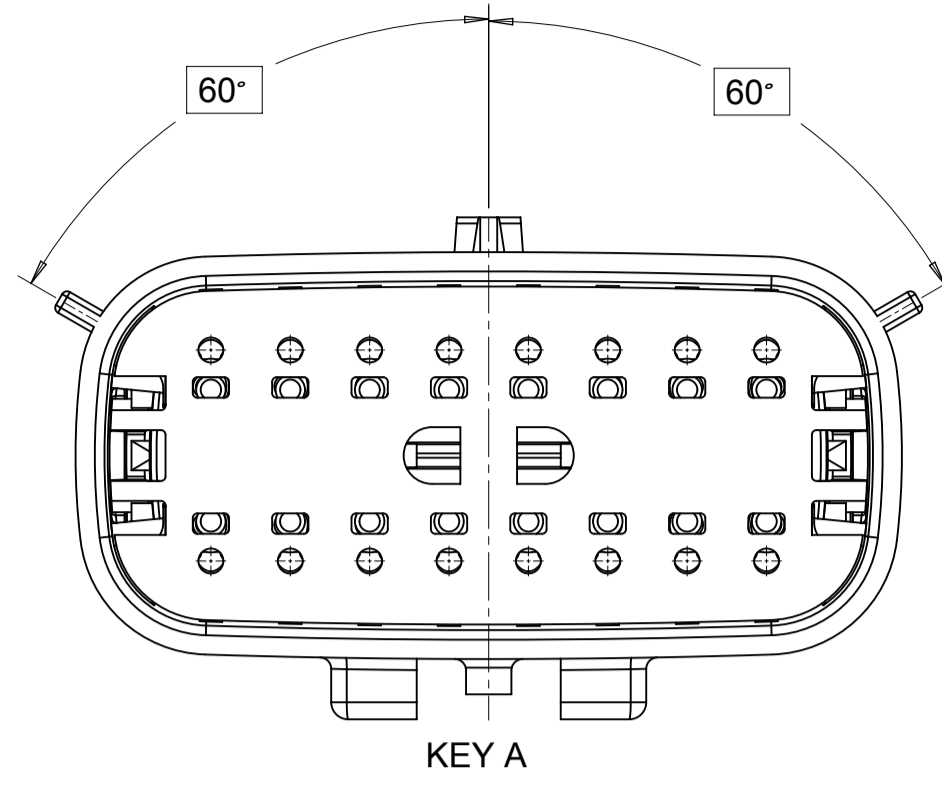


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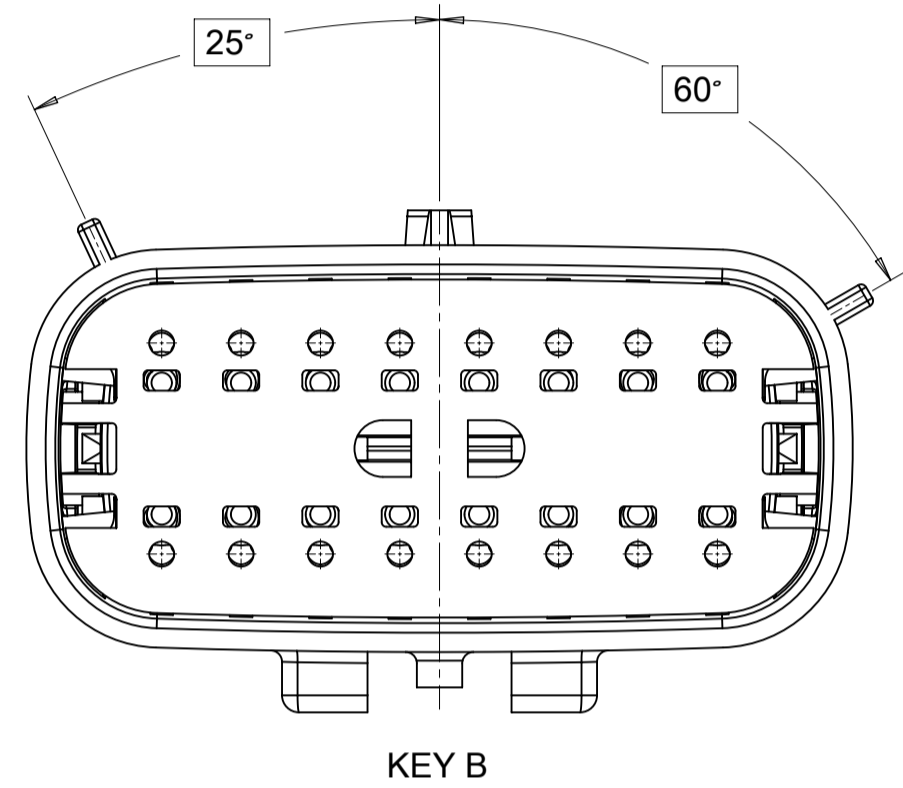


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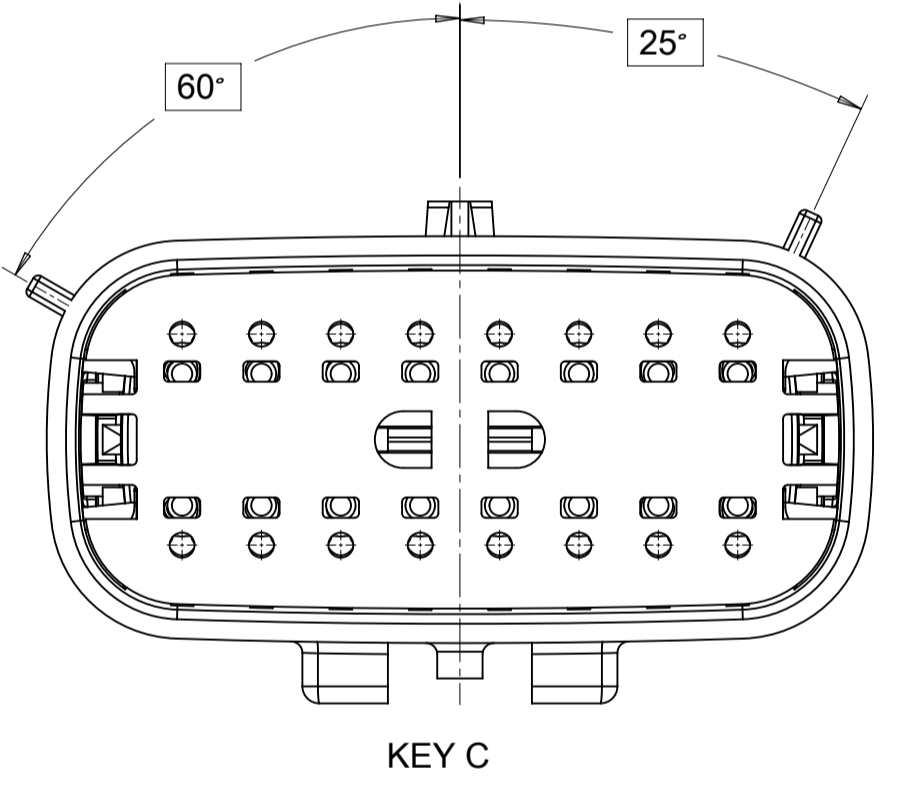
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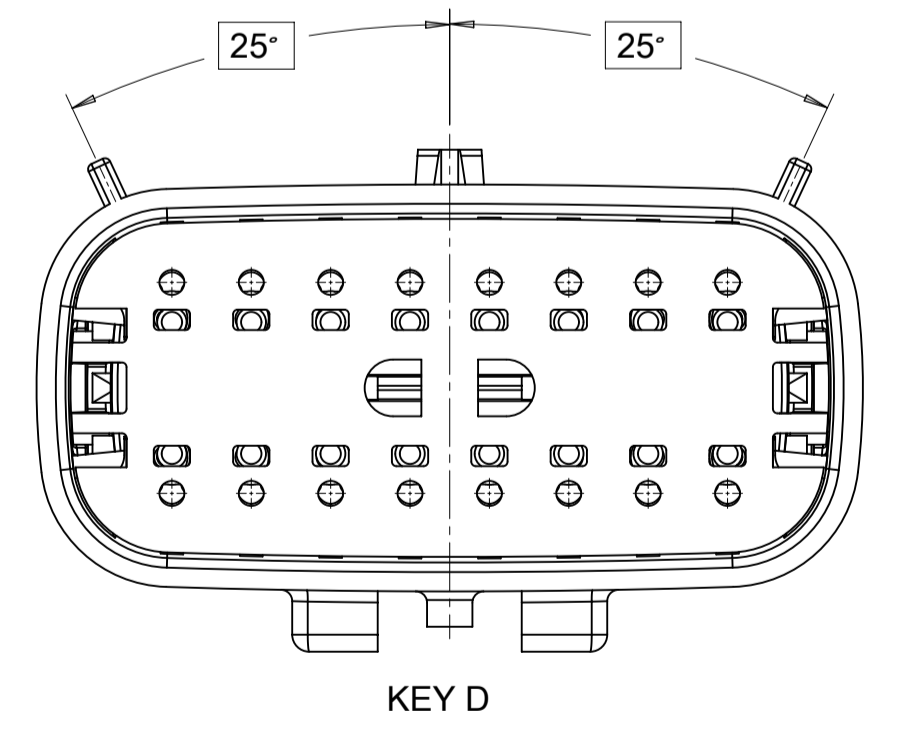
KEY A



KEY B

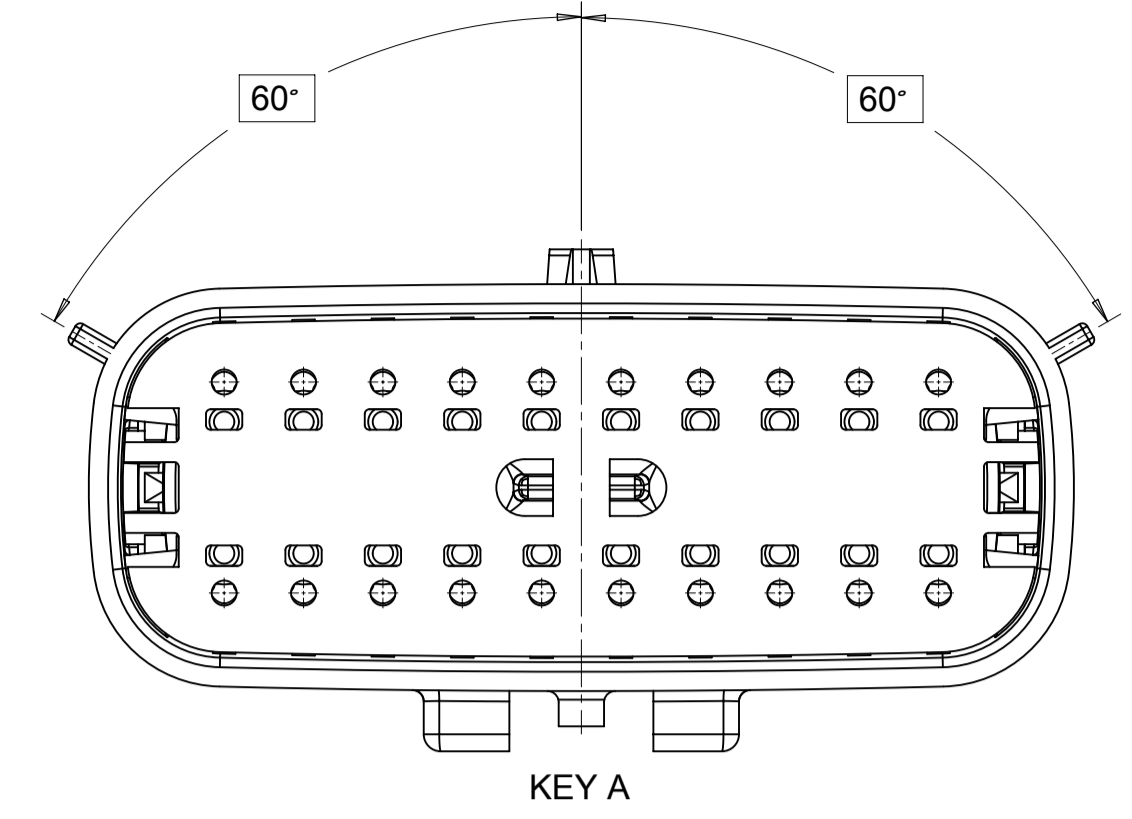


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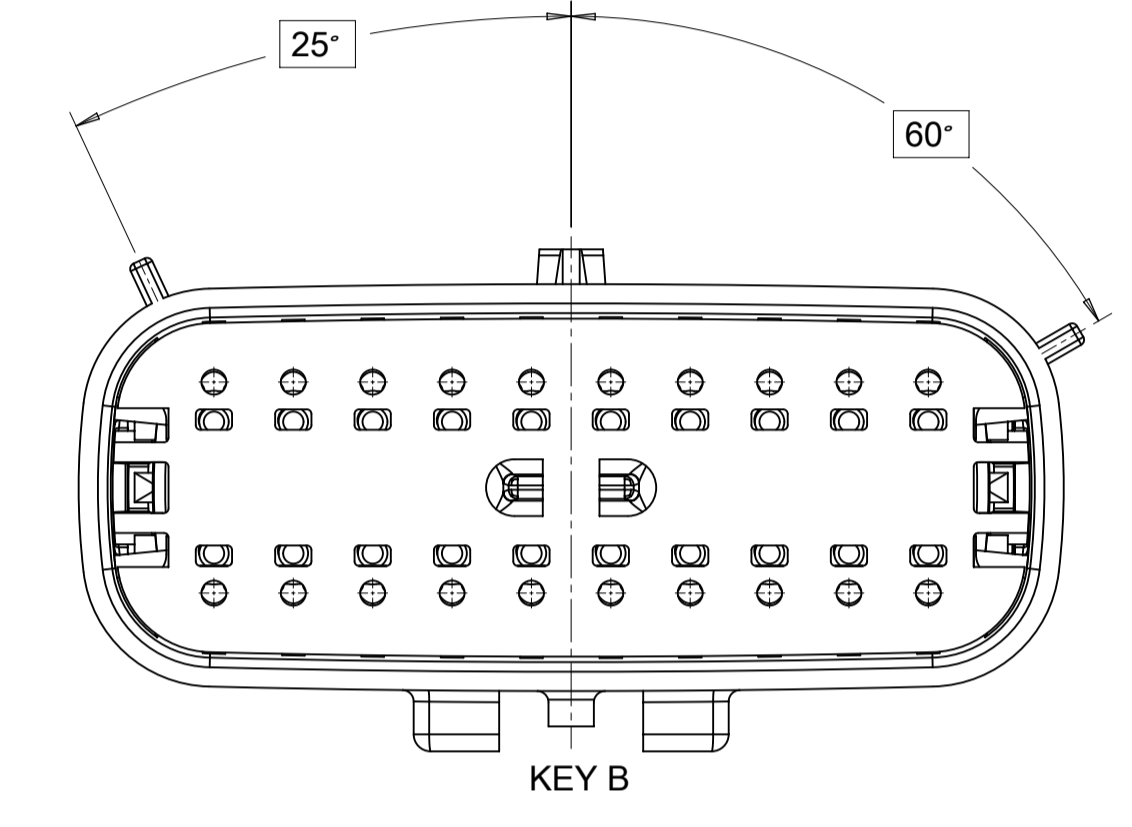


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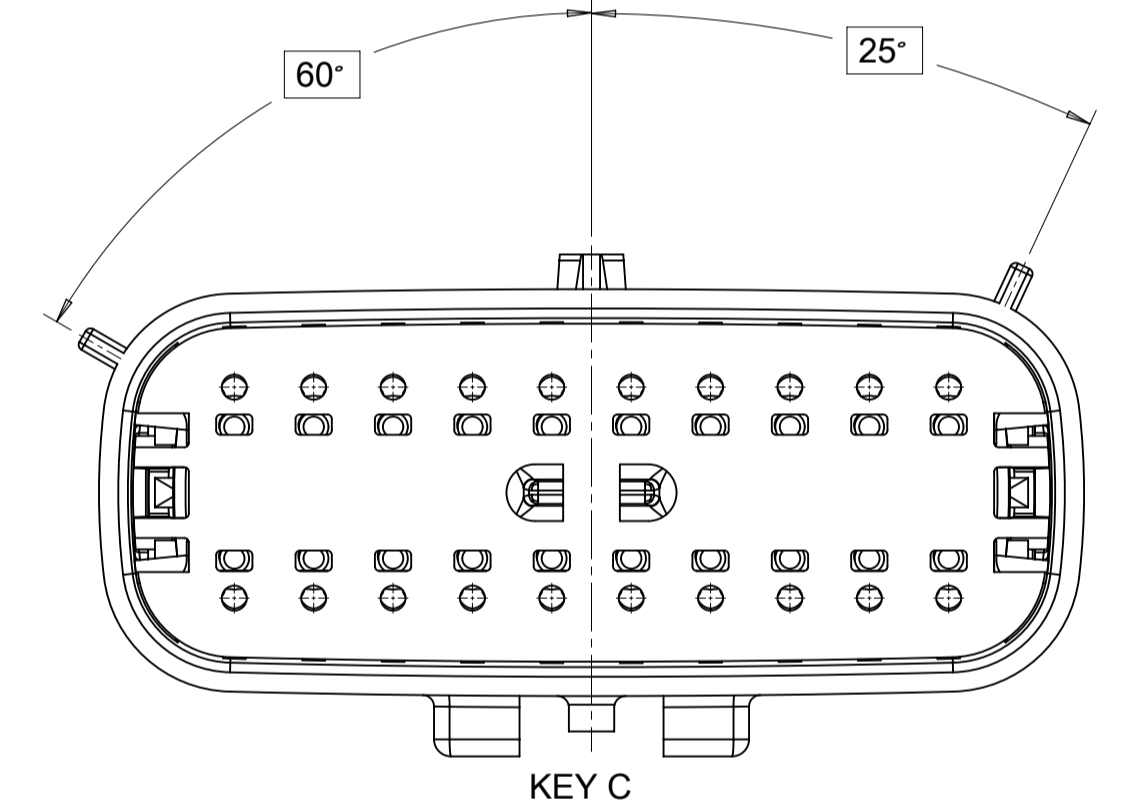
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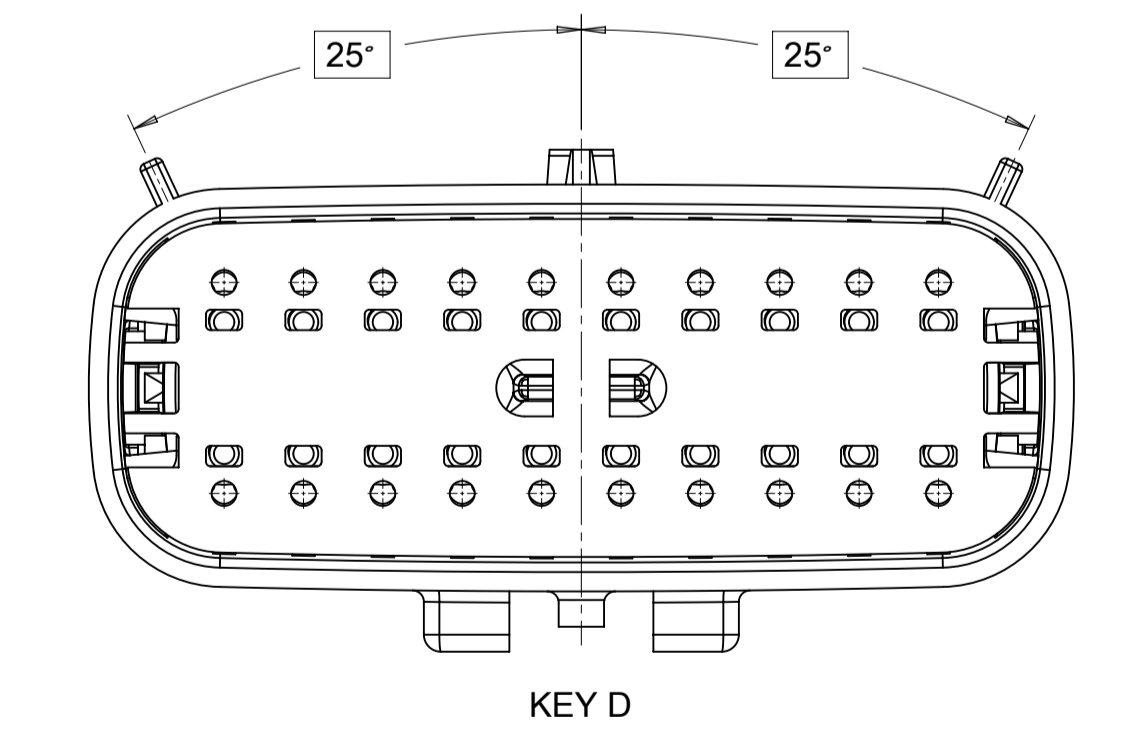
KEY A



KEY B



KEY C



KEY D

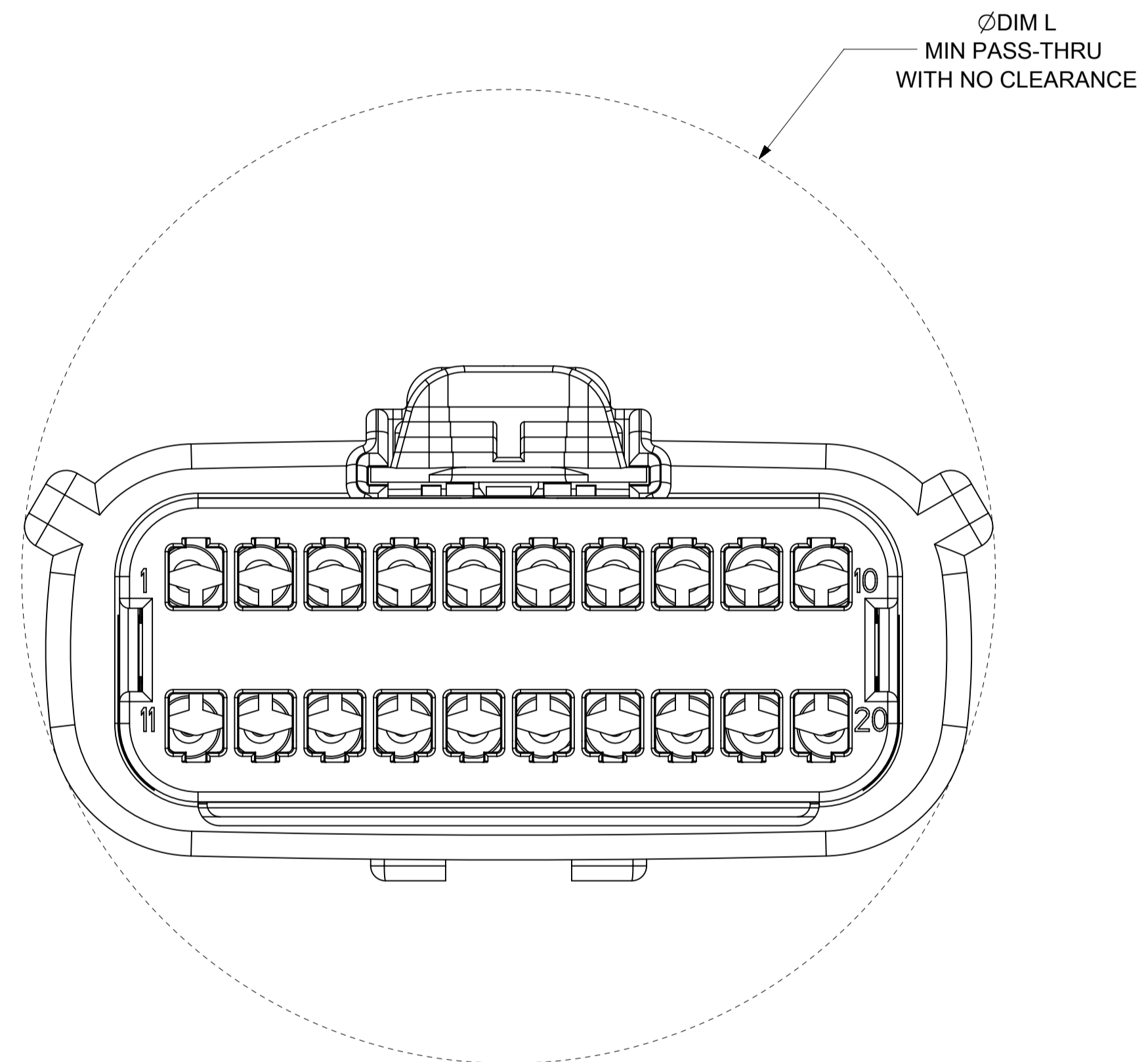
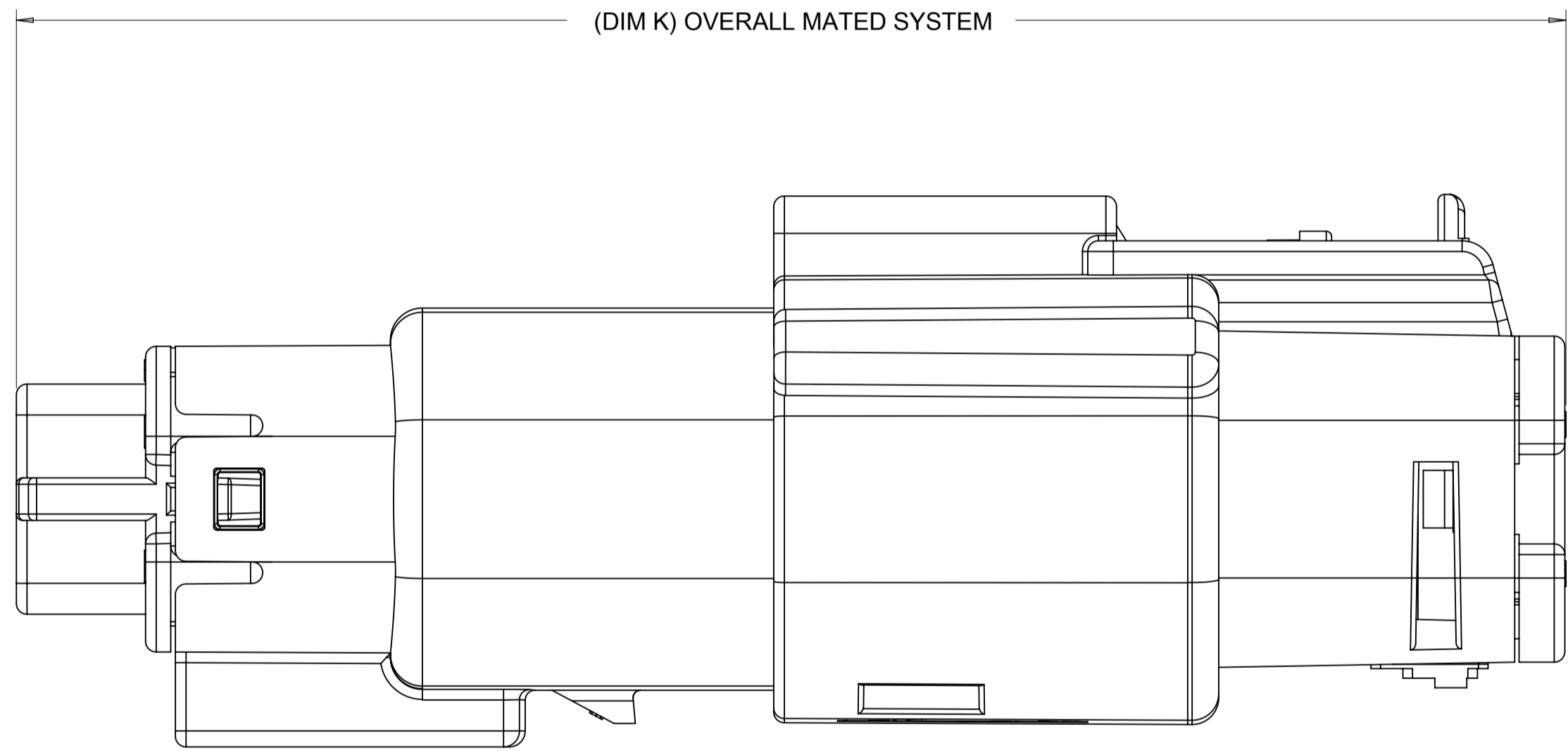
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:				
	DIMENSION UNITS	SCALE					
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▽ = 0	0 PLACES ±		0 PLACES ±		PSD 001 E2		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		MATERIAL NUMBER		
▽ = 0			DRAWING		CUSTOMER		
			A1-SIZE		GENERAL MARKET		
			SERIES		SHEET NUMBER		
			33482		4 OF 11		





**SHEET DESCRIPTION**  
SYSTEM PACKAGING

CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS	
			K	L
			2X2	STANDARD
		W/ CLIPSLOT	72.78	28.50
		LENGTHENED	77.21	28.00
2X3	STANDARD	W/O CLIPSLOT	72.78	28.00
		W/ CLIPSLOT		30.50
	LENGTHENED	W/O CLIPSLOT	74.79	28.00
		W/ CLIPSLOT		30.50
2X4	STANDARD	W/O CLIPSLOT	72.78	29.50
		W/ CLIPSLOT		31.50
2X6	STANDARD	W/O CLIPSLOT	72.79	35.58
		W/ CLIPSLOT		
2X8	STANDARD	W/O CLIPSLOT	72.67	42.25
		W/ CLIPSLOT		
2X10	STANDARD	STANDARD	72.78	49.05



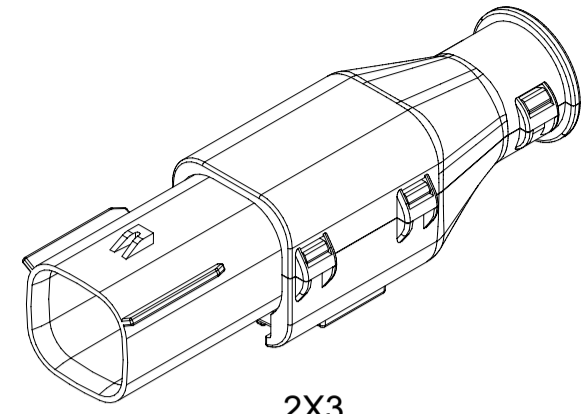
<b>SYMBOLS</b> ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS	SCALE	CURRENT REV DESC:						
	mm	4:1	EC NO: 171650 DRWN: PMANJUNATHAC 2018/01/03 CHK'D: MVANSLAMBROU 2018/02/16 APPR: MVANSLAMBROU 2018/02/16							
	GENERAL TOLERANCES (UNLESS SPECIFIED)				INITIAL REVISION:			DOCUMENT NUMBER		
	ANGULAR TOL ± 1.0°				DRWN: APROFFITT 2014/04/28			SD-33482-0001		
	4 PLACES ±				APPR: VKOSHY 2014/05/14			DOC TYPE   DOC PART   REVISION		
	3 PLACES ±				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			PSD   001   E2		
	2 PLACES ± 0.1				THIRD ANGLE PROJECTION			MATERIAL NUMBER		
	1 PLACE ± 0.2				DRAWING			CUSTOMER		
	0 PLACES ±				A1-SIZE			GENERAL MARKET		
	0 PLACES ±				SERIES			SHEET NUMBER		
				33482			6 OF 11			

**SHEET DESCRIPTION**  
**BACKSHELL NOTES**

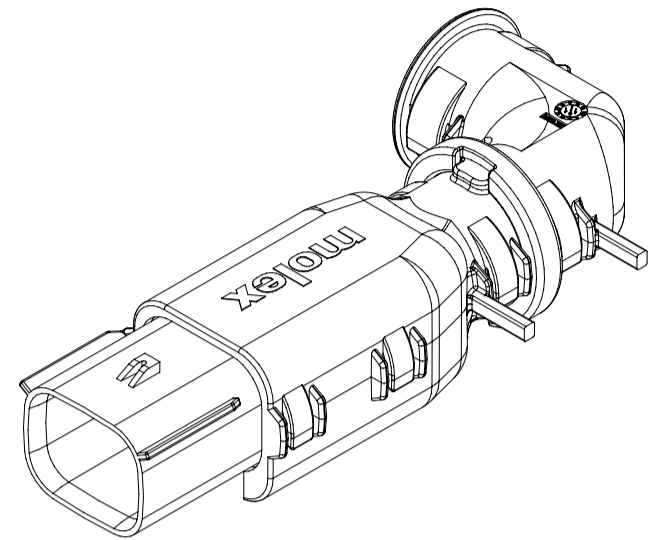
BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

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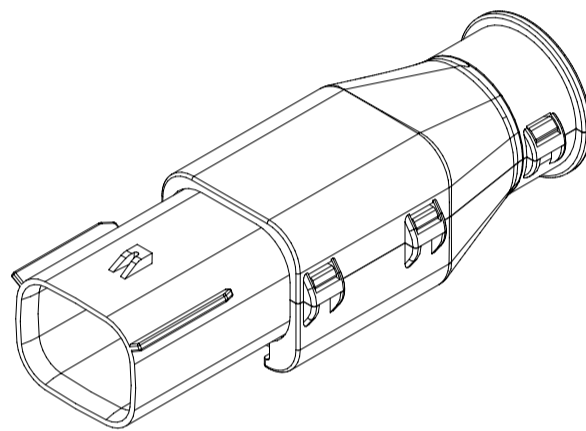
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33482-0001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
- COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
- DESIGN IS OWNED BY SCHLEMMER FOR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



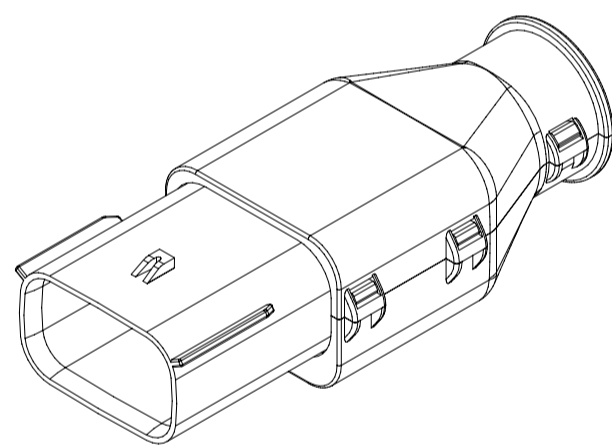
2X3



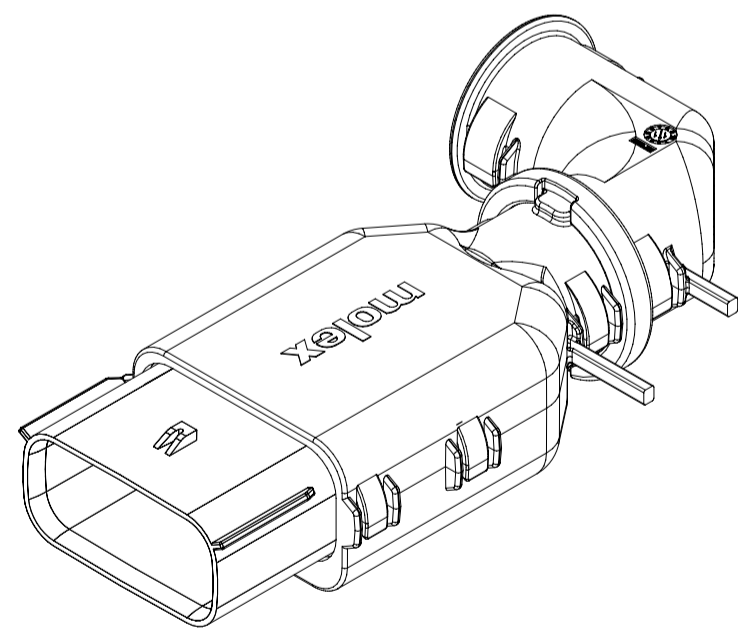
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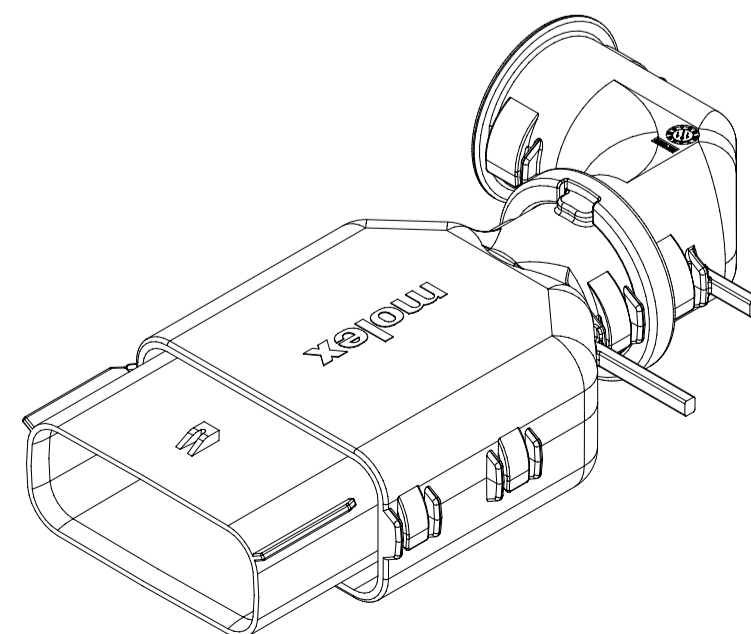
2X4



2X6



2X8



2X10

BACKSHELL CUSTOMER MODEL NUMBER LEGEND

34950-XXXX

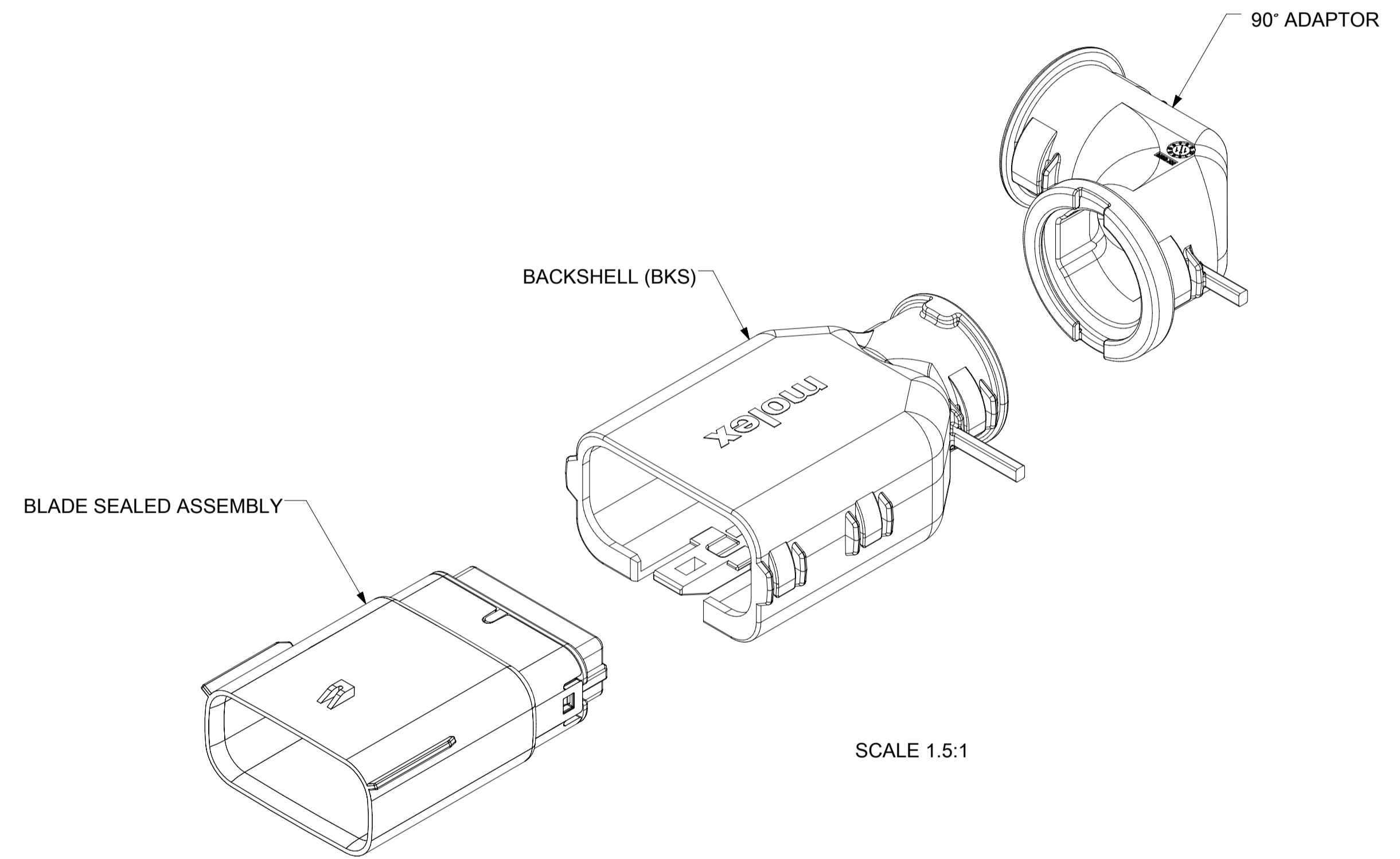
CUSTOMER MODEL COMPONENTS

- 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

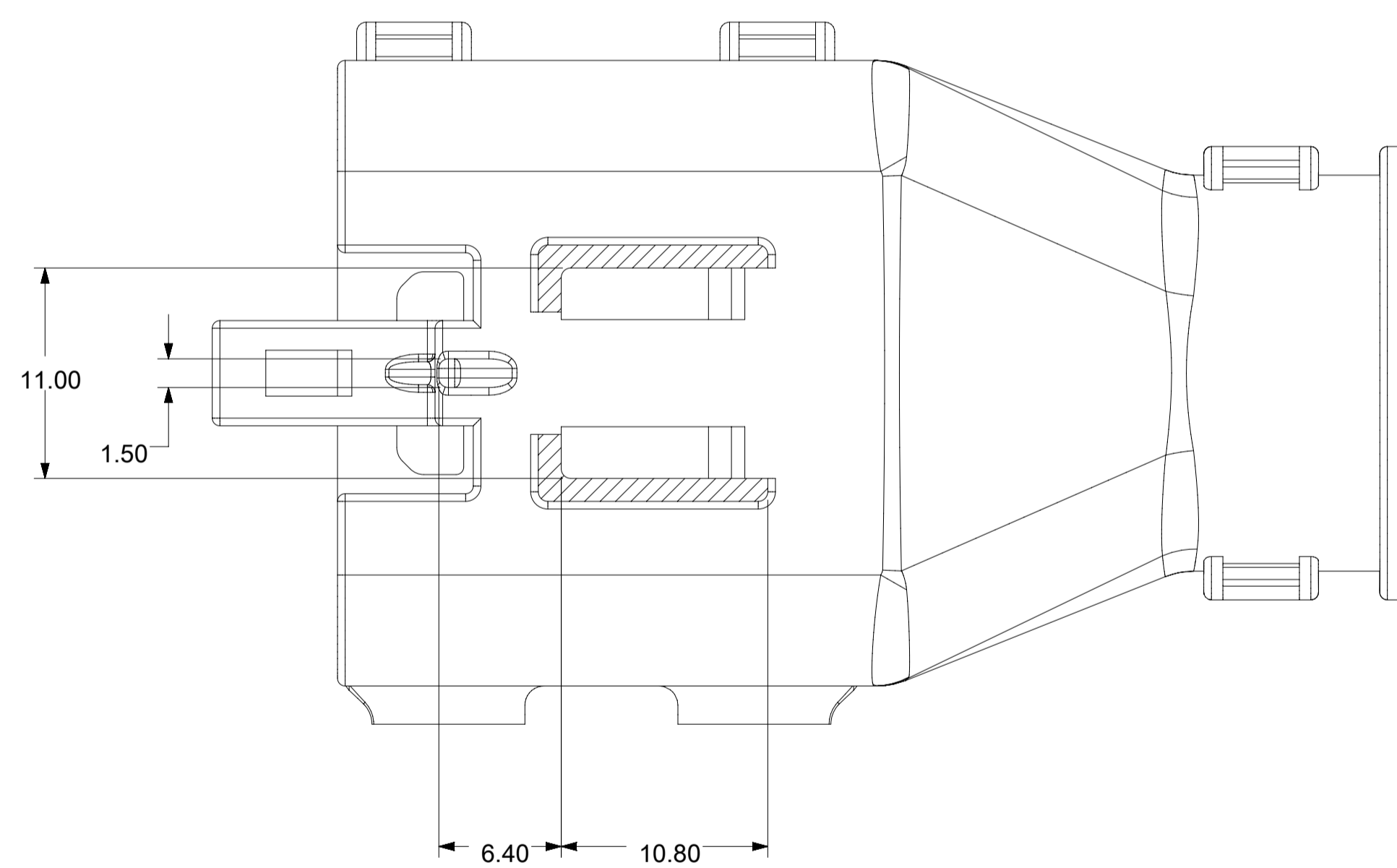
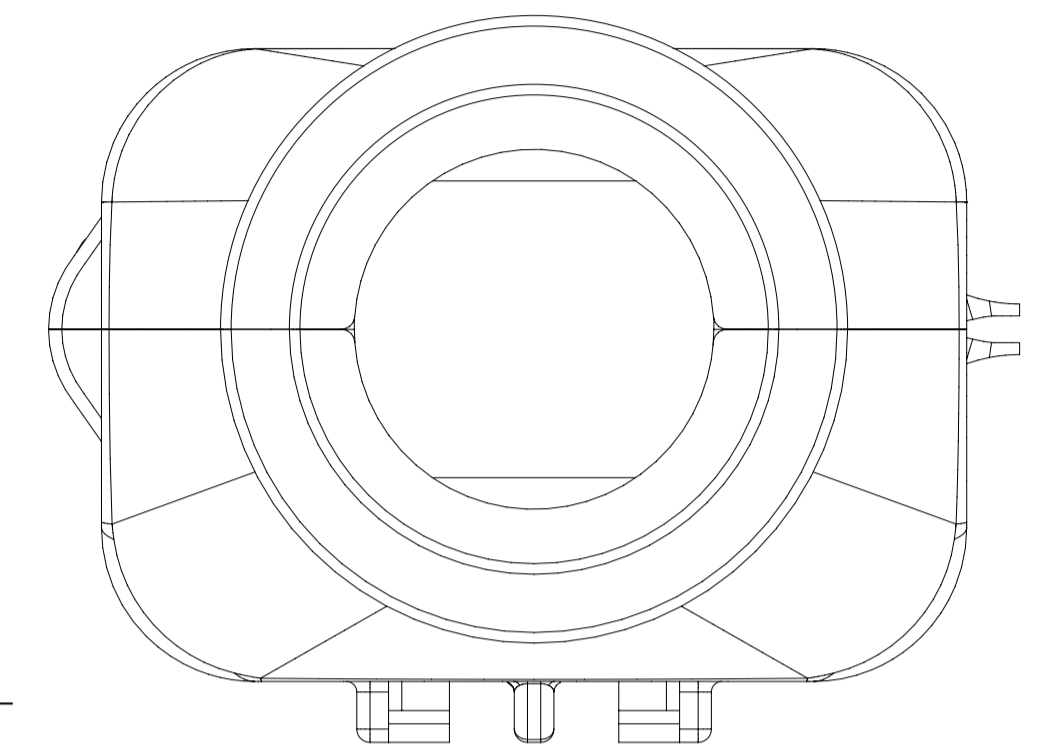
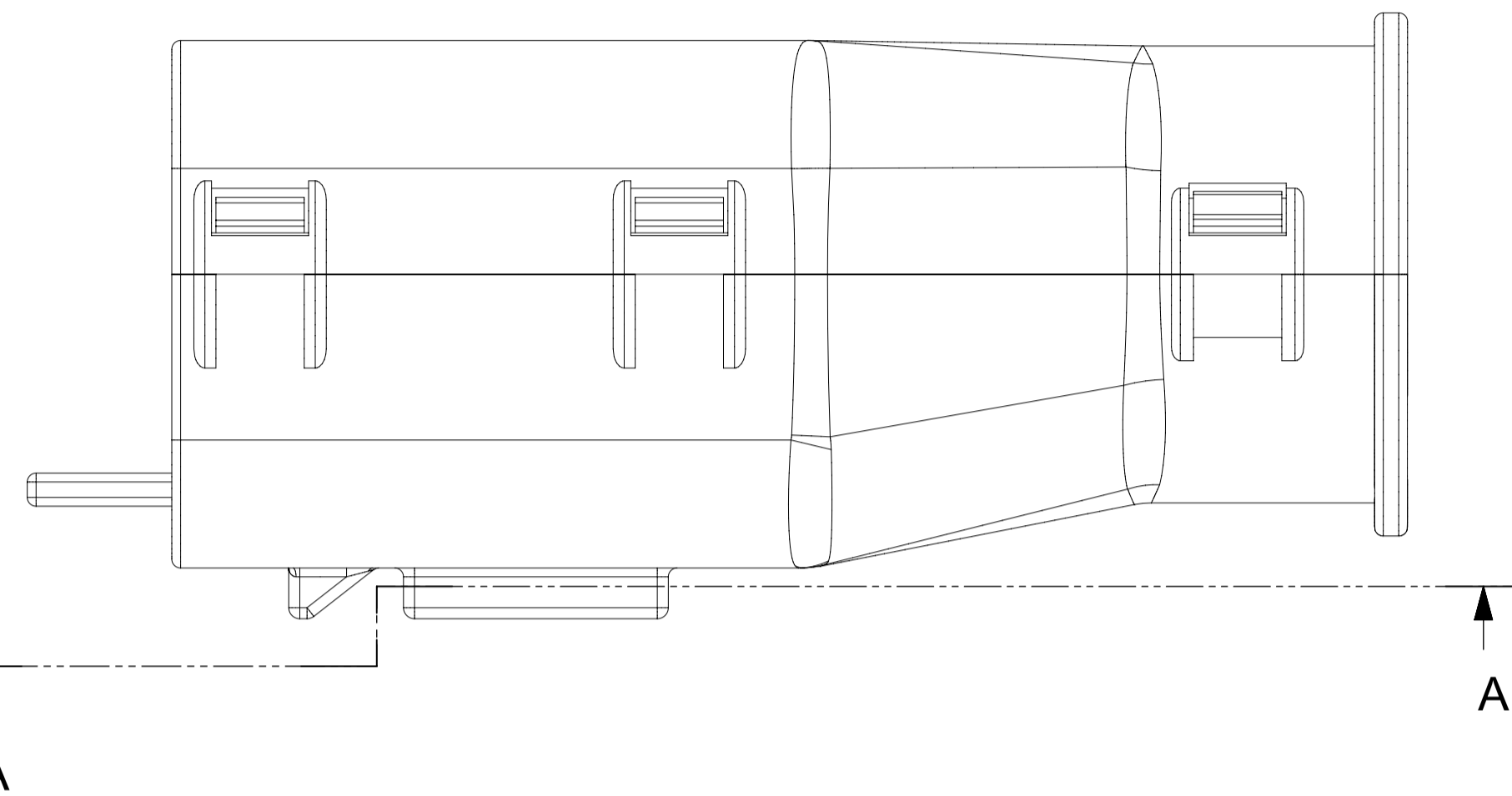
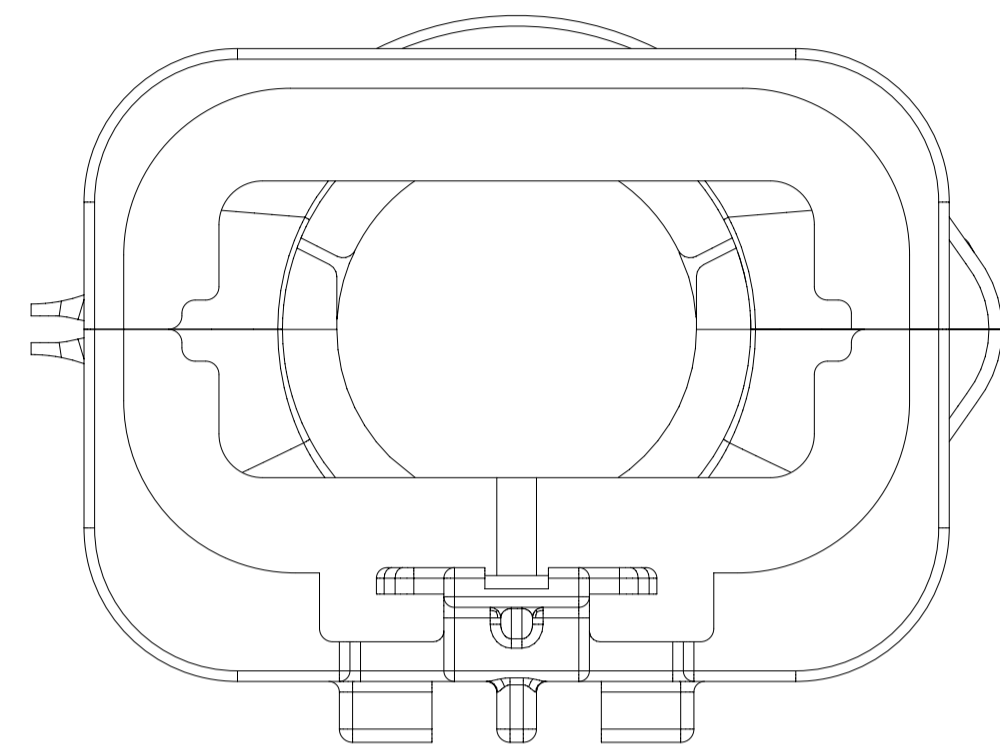
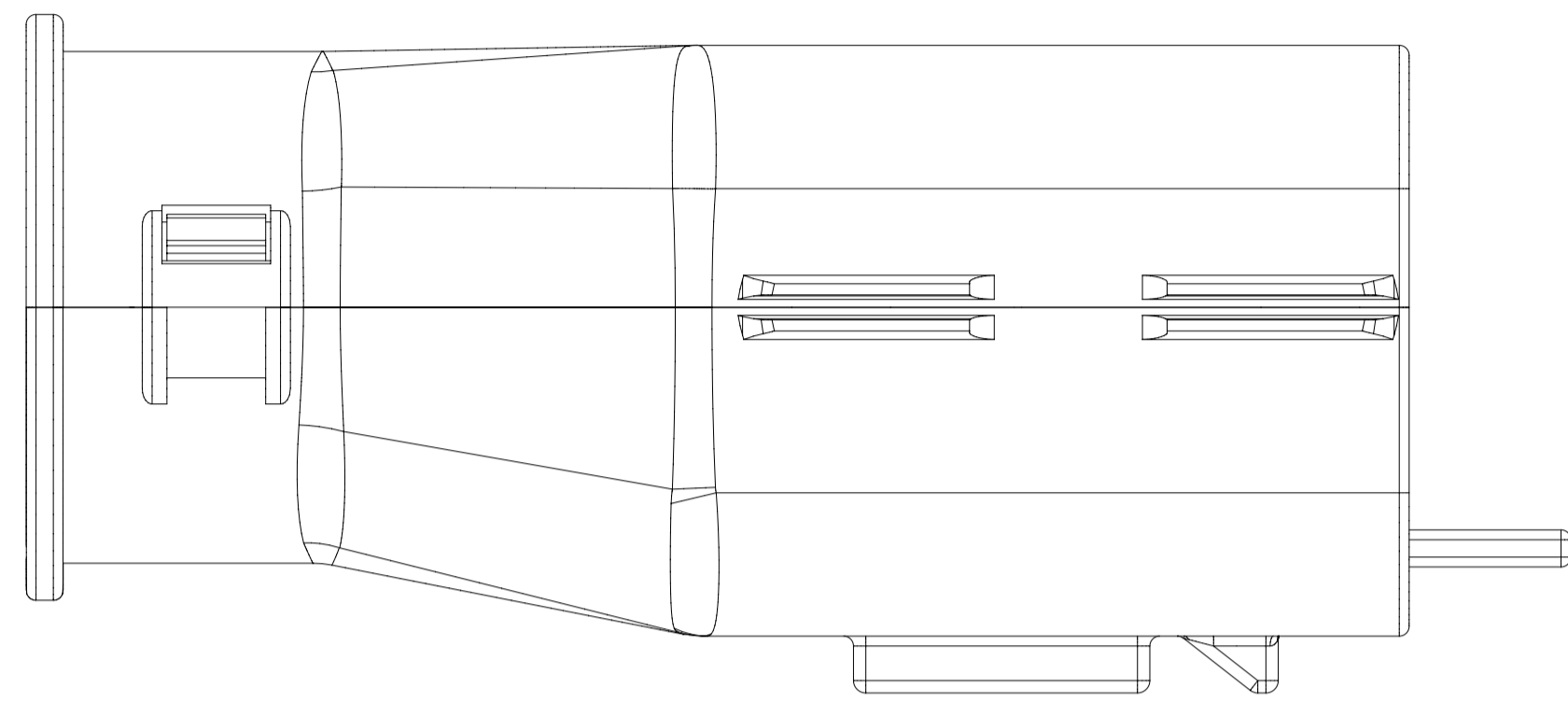
MX150 CIRCUIT SIZE 04, 06, 08, 12, 16, 20



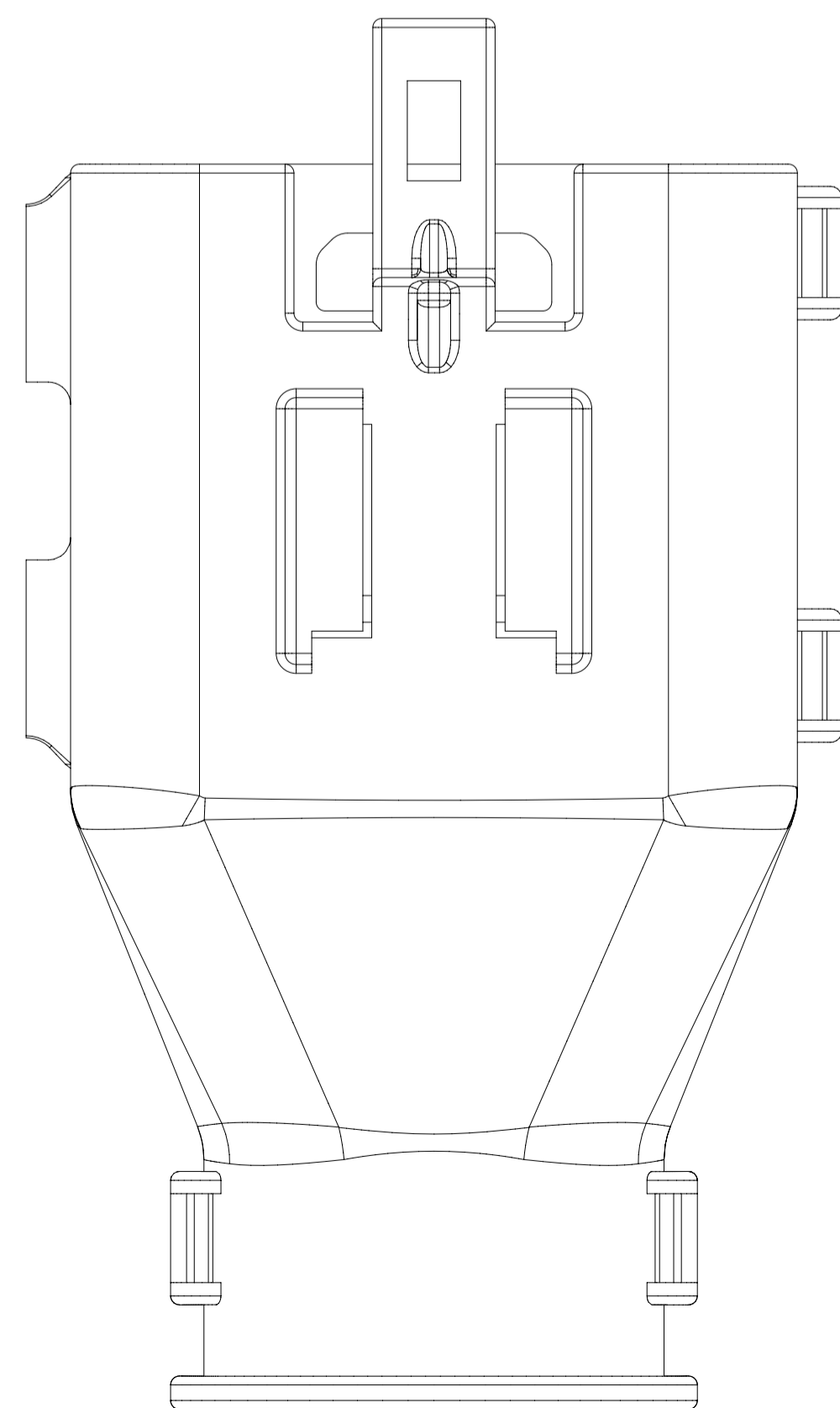
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:				
	DIMENSION UNITS	SCALE					
▽ = 0	mm	1.5:1	DRWN: APROFFITT 2014/04/28	MX150 BLADE DUAL ROW SEALED ASSEMBLY MAT SEAL			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: MVANSLAMBROU 2018/02/16				
▽ = 0	ANGULAR TOL ± 1.0°		APPR: MVANSLAMBROU 2018/02/16	PRODUCT CUSTOMER DRAWING			
▽ = 0	4 PLACES	±	INITIAL REVISION:	DOCUMENT NUMBER			
▽ = 0	3 PLACES	±	DRWN: APROFFITT 2014/04/28	SD-33482-0001	PSD	001	E2
▽ = 0	2 PLACES	± 0.1	APPR: VKOSHY 2014/05/14	DOC TYPE   DOC PART   REVISION			
▽ = 0	1 PLACE	± 0.2	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
▽ = 0	0 PLACES	±	THIRD ANGLE PROJECTION		GENERAL MARKET		7 OF 11
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING	SERIES			
▽ = 0			A1-SIZE	33482			

SHEET DESCRIPTION

SCHLEMMER BACKSHELL



SECTION A-A



<b>SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	
= 0	mm	3.5:1	
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
= 0	ANGULAR TOL ± 1.0°		
= 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	
		A1-SIZE	
SERIES		33482	
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			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33482-0001	PSD	001	E2
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
	GENERAL MARKET	8 OF 11	

**molex**

MX150 BLADE  
DUAL ROW SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

SD-33482-0001

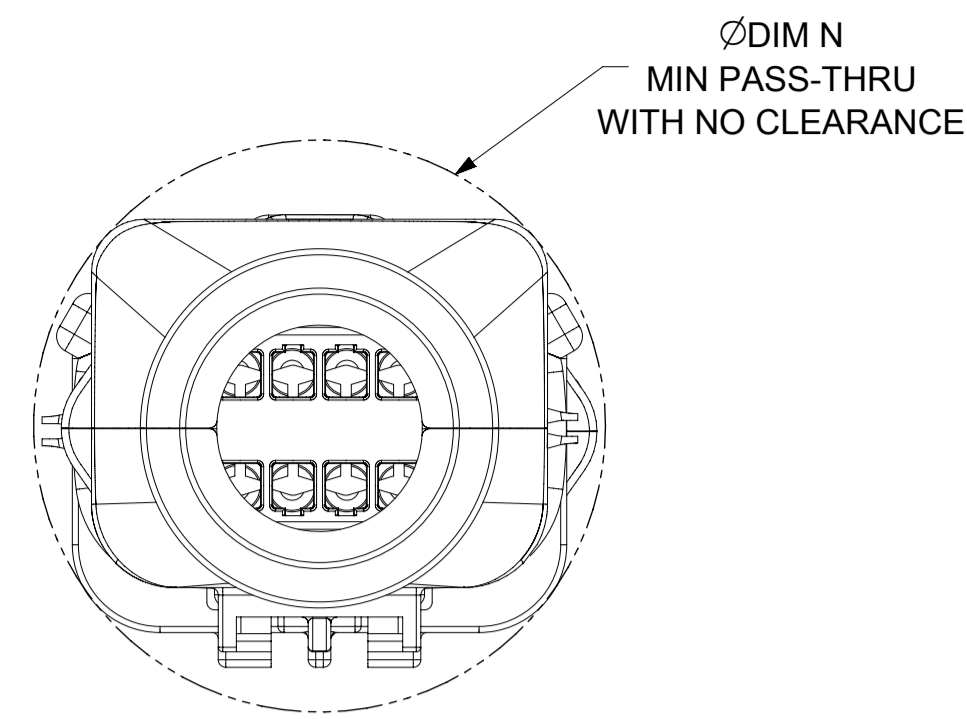
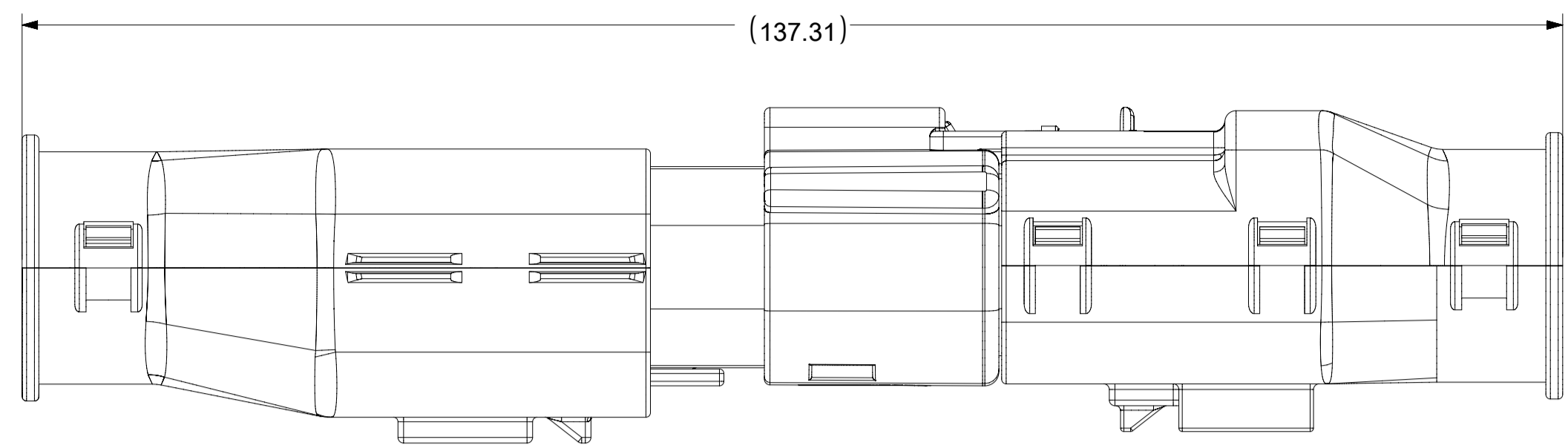
GENERAL MARKET 8 OF 11



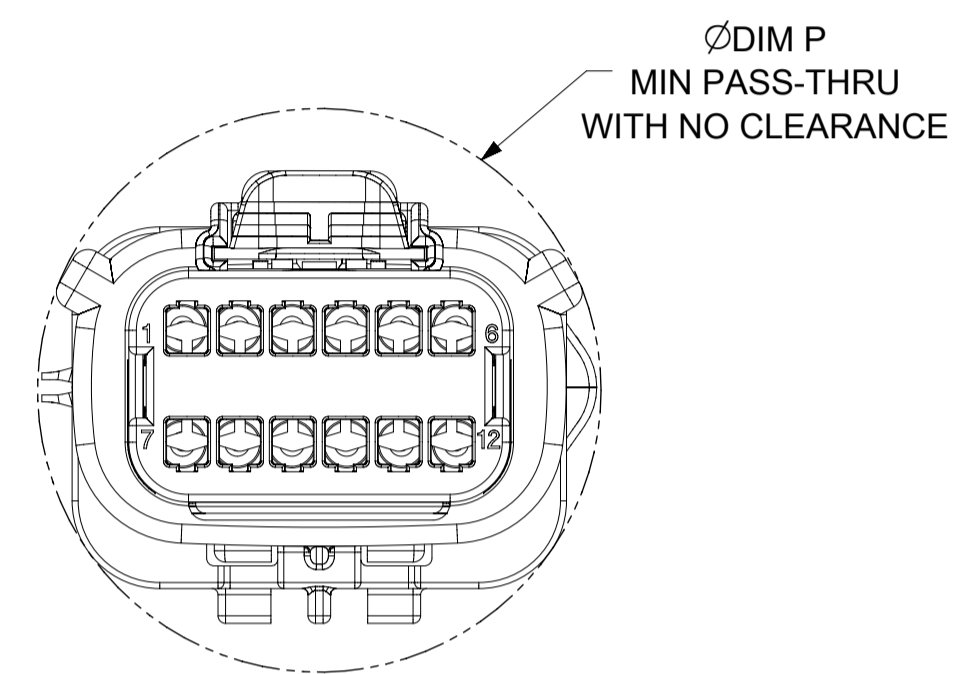
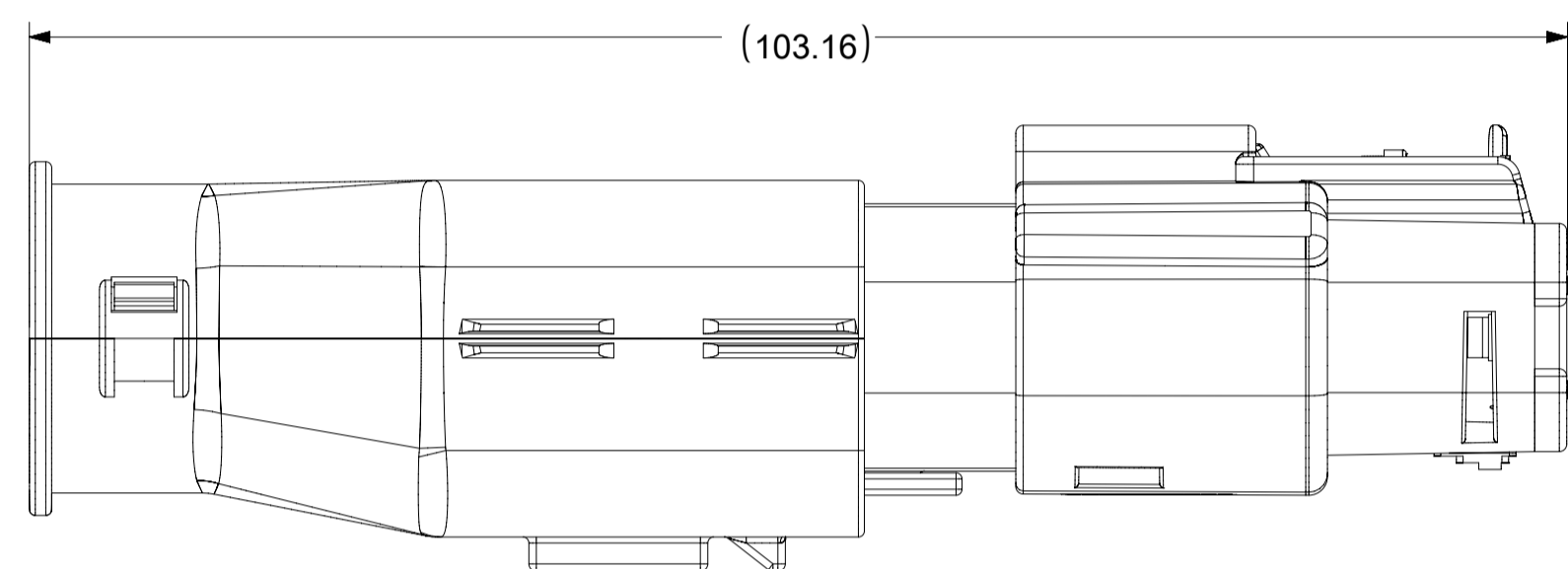


**SHEET DESCRIPTION**  
SCHLEMMER BACKSHELL CONFIGURATIONS

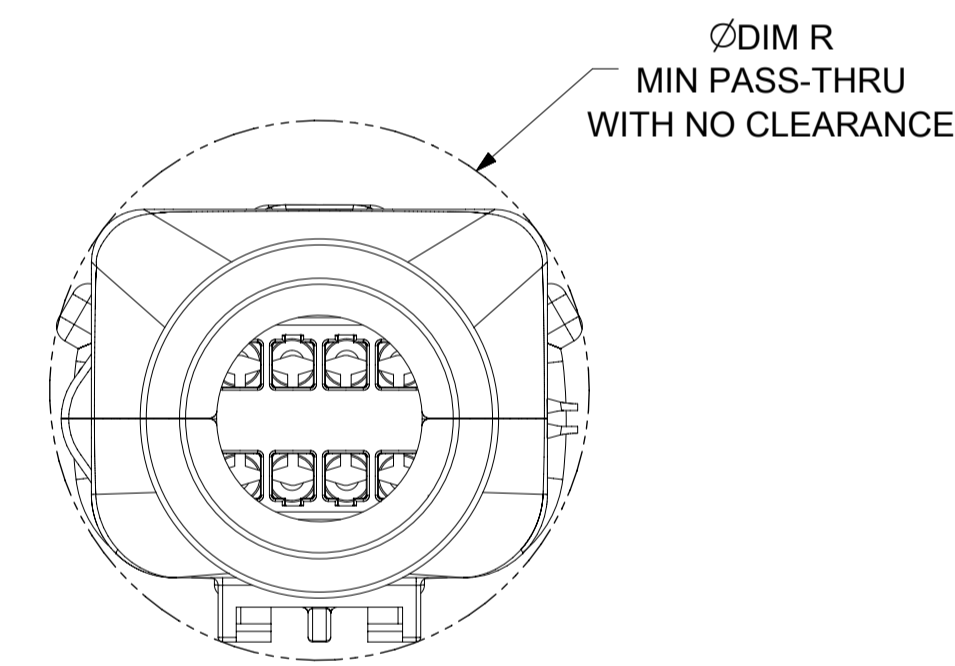
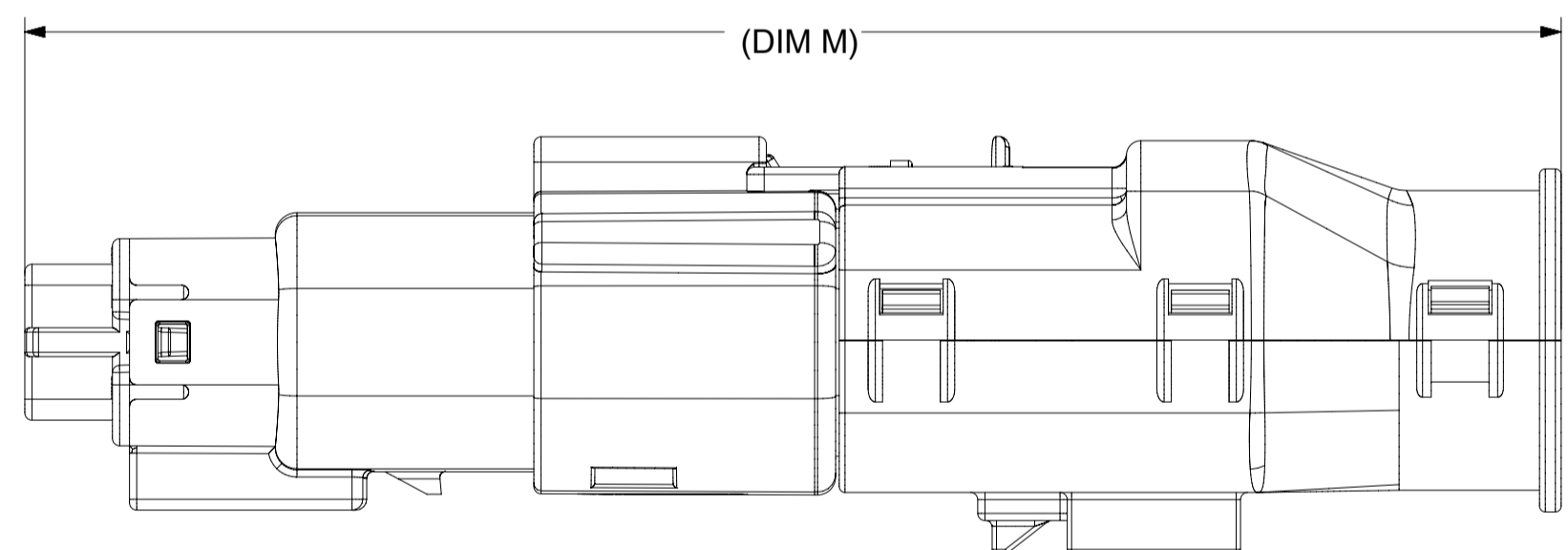
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	T
2X3	STANDARD	STANDARD	106.83	32.75	31.75	29.00	29.50
	LENGTHENED		108.71				
2X4	STANDARD	STANDARD	106.83	33.50	31.90	30.70	30.70
2X6	STANDARD	STANDARD	106.83	37.84	37.27	35.83	36.83



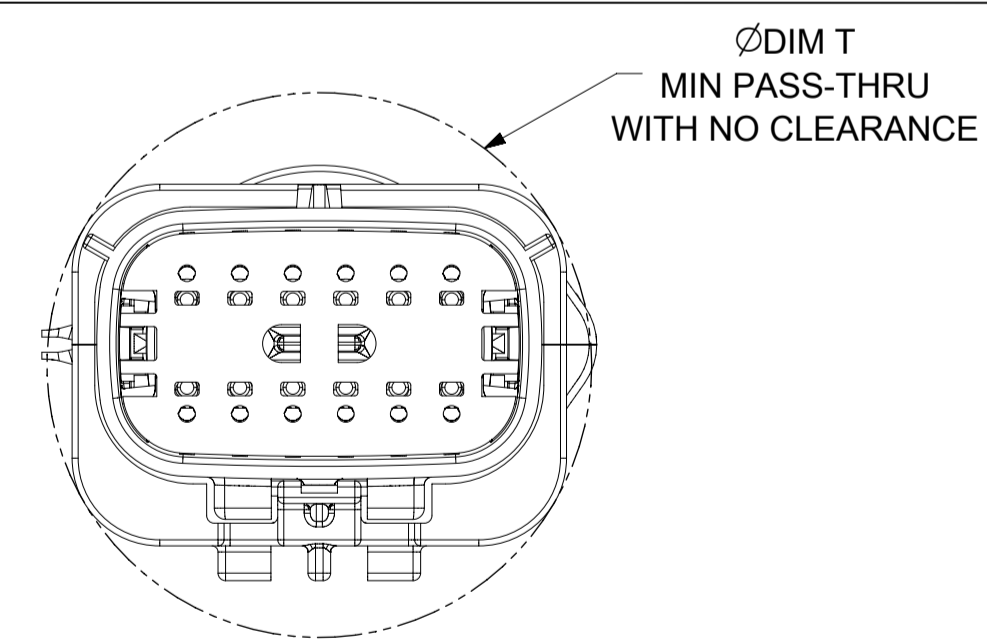
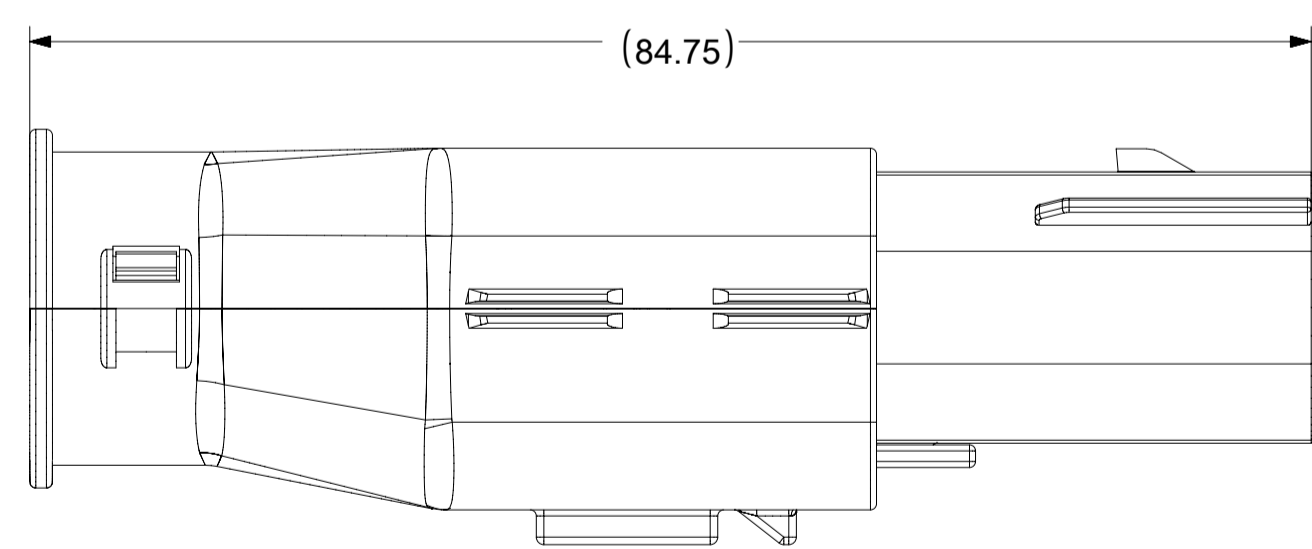
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL

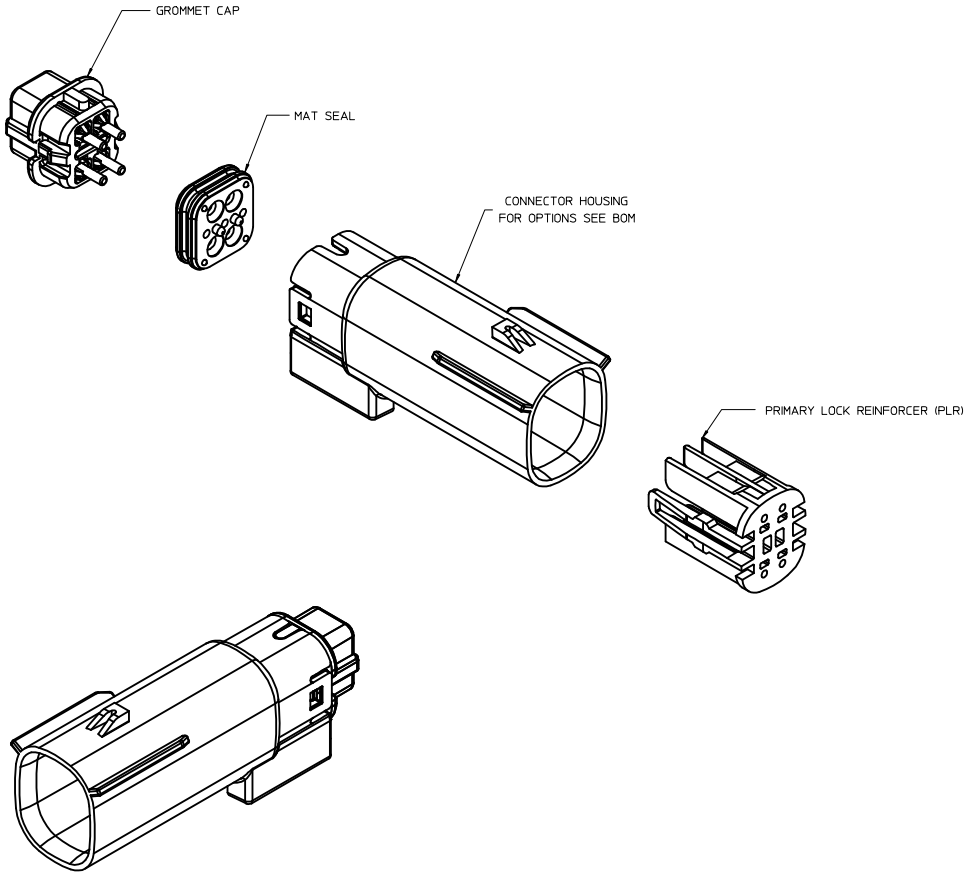


BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

<b>SYMBOLS</b> THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>mm</b> SCALE: <b>2:1</b> 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:		 MX150 BLADE DUAL ROW SEALED ASSEMBLY MAT SEAL
	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		MATERIAL NUMBER: <b>33482</b> CUSTOMER: <b>GENERAL MARKET</b> SHEET NUMBER: <b>10 OF 11</b>
	THIRD ANGLE PROJECTION	DRAWING: <b>A1-SIZE</b>	



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 WITH 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) <<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

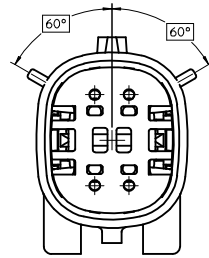
3. DESIGN - GEOMETRY:  
 a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.  
 b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994  
 c. EDGES AND UNDIMENSIONED DETAILS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

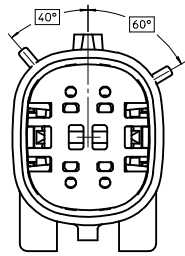
REV	DESCRIPTION
V	UPDATED STATUS AND COMMENTS COLUMNS
U	ADD NEW P/N 33482-4417
T	ADD NEW P/N 33482-4415 33482-4416
S	ADD NEW P/N 33482-4413
R	ADD NEW P/N 33482-4412
Q	UPDATED GROMMET CAP
P3	UPDATED DIMENSIONS
P2	UPDATED DIMENSIONS TO MATCH MODEL
P1	UPDATED NOTES
P	REDRAWN

REVISED IEC NO: UALU2016-0465 DRAWN BY: DRWN:APROFFITT CHECKED BY: CHYK:KORUSZESKI APPROVED BY: APPR:IKOSHY	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0002</td> </tr> <tr> <td>3 PLACES</td> <td>±.008</td> <td>±.0003</td> </tr> <tr> <td>2 PLACES</td> <td>±0.10</td> <td>±.004</td> </tr> <tr> <td>1 PLACE</td> <td>±0.3</td> <td>±.012</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </tbody> </table> ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	±.005	±.0002	3 PLACES	±.008	±.0003	2 PLACES	±0.10	±.004	1 PLACE	±0.3	±.012	0 PLACE	±	±	DIMENSION STYLE MM ONLY DRAWN BY: MIVANSLAMBROU CHECKED BY: DGRIFFI THS APPROVED BY: SMARCEAU	DATE: 04-27-06 DATE: 06-22-06 DATE: 06-22-06	TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL 	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33482-041	SHEET NO. 1 OF 5
		mm	INCH																										
	4 PLACES	±.005	±.0002																										
	3 PLACES	±.008	±.0003																										
2 PLACES	±0.10	±.004																											
1 PLACE	±0.3	±.012																											
0 PLACE	±	±																											
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																													
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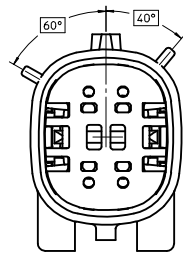
KEY CONFIGURATIONS



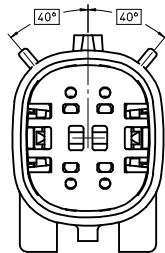
KEY A



KEY B



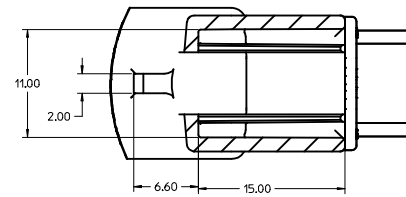
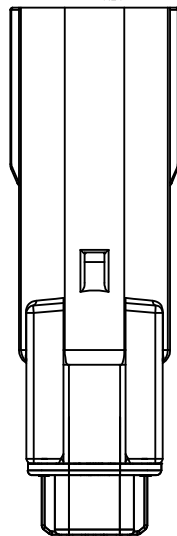
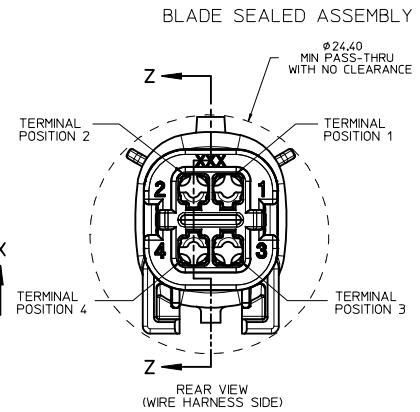
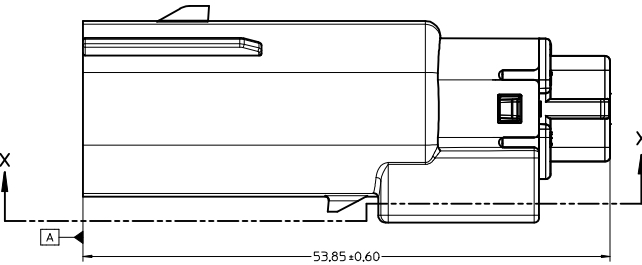
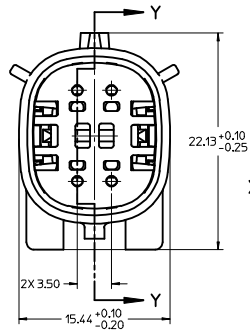
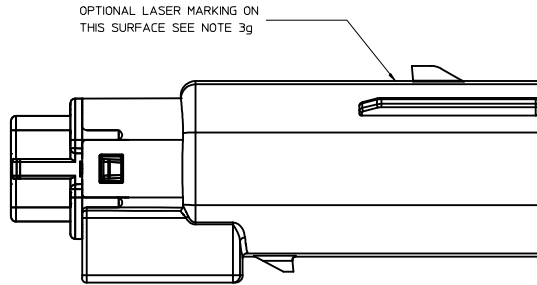
KEY C



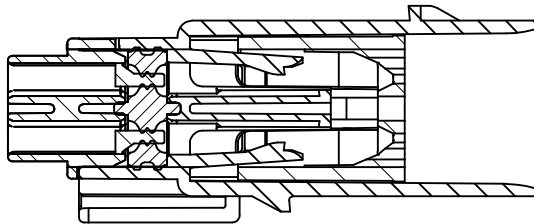
KEY D

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



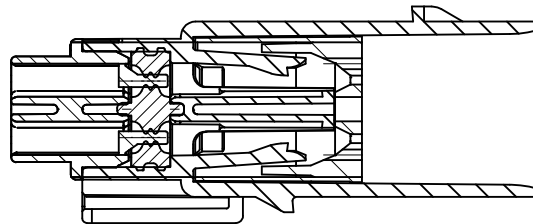


PARTIAL X-X  
SCALE 4:1



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

SECTION Z-Z



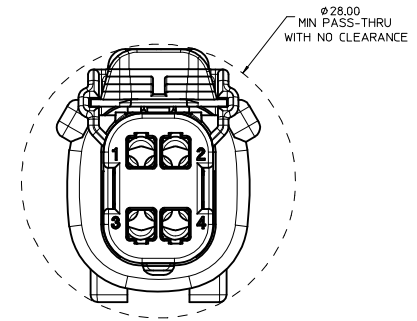
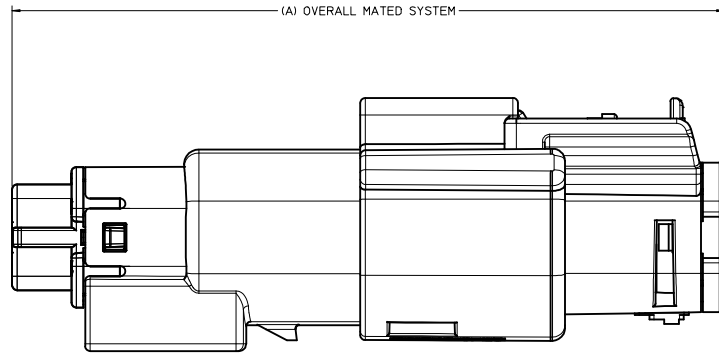
PRIMARY LOCK REINFORCER (PLR) SHOWN  
IN FINAL LOCK POSITION

SECTION Y-Y

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

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

<b>REVISED</b> IEC NO. UAU2016-0465 DRAWN/PROFIT 2015/10/06 CHYKXBRUSZENSKI 2015/10/06 APPR:VKOSHY 2015/10/07	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	4:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY MYANSLAMBROU 04-27-06	DATE	TITLE	MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL <b>molex</b>
	▽=0	3 PLACES ± --- ± ---	CHECKED BY DGRIFITHS 06-22-06	DATE	APPROVED BY SMARCEAU 06-22-06	
▽=0	2 PLACES ± 0.10 ± ---	1 PLACE ± 0.3 ± ---	0 PLACE ± ±	ANGULAR ± 3 °	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33482-041
		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		SHEET NO. 4 OF 5

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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)				STATUS	COMMENTS
			1	2	3	4		
33482-0401	BLACK	A						
33482-0402	LIGHT GRAY	B						
33482-0403	BROWN	C						
33482-0404	GREEN	D						
33482-0406	BLACK	A		X				
33482-0407	LIGHT GRAY	B		X				
33482-0408	BROWN	C		X				
33482-0409	GREEN	D		X				
33482-0411	BLACK	A		X	X			
33482-0412	LIGHT GRAY	B		X	X			
33482-0413	BROWN	C		X	X			
33482-0414	GREEN	D		X	X			
33482-0416	BLACK	A	X	X	X	X		
33482-0417	LIGHT GRAY	B	X	X	X	X		
33482-0418	BROWN	C	X	X	X	X		
33482-0419	GREEN	D	X	X	X	X		
33482-0421	BLACK	A	X	X	X			
33482-0422	BLACK	A					X	
33482-0423	BLACK	A				X	X	
33482-0424	BLACK	A				X		
33482-0425	BLACK	A	X	X				
33482-4403	DARK GRAY	C						
33482-4404	STONE GRAY	D						
33482-4405	DARK GRAY	C		X				
33482-4406	STONE GRAY	D		X				
33482-4407	DARK GRAY	C		X	X			
33482-4408	STONE GRAY	D		X	X			
33482-4409	DARK GRAY	C	X	X	X	X		
33482-4410	STONE GRAY	D	X	X	X	X		
33482-4411	BLACK	A		X		X		
33482-4412	YELLOW	A						
33482-4413	LIGHT GRAY	B	X					
33482-4415	BLACK	A	X		X			
33482-4416	DARK GRAY	C		X		X		
33482-4417	LIGHT GRAY	B		X		X		

PLANNED OBSOLESCENCE  
SEE DRAWING SD-33482-0002  
FOR REPLACEMENT P/N

REPLACEMENT P/N'S ARE:  
33482-04XX TO 33482-40XX  
33482-44XX TO 33482-41XX

REVISED IEC NO. UAU2016-0465 DRAWN/PROFIT 2015/10/06 CHYKORUSZENSKI 2015/10/06 APPR:VKOSHY 2015/10/07	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY		METRIC	
	▽=0	4 PLACES ± 0.10	DRAWN BY MYANSLAMBROU 04-27-06	DATE	TITLE	
	▽=0	3 PLACES ± 0.03	CHECKED BY DGRIFITHS 06-22-06	DATE	MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL	
	ANGULAR ± 3 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM	APPROVED BY SMARCEAU 06-22-06	DATE	DOCUMENT NO. SD-33482-041
			SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 5 OF 5