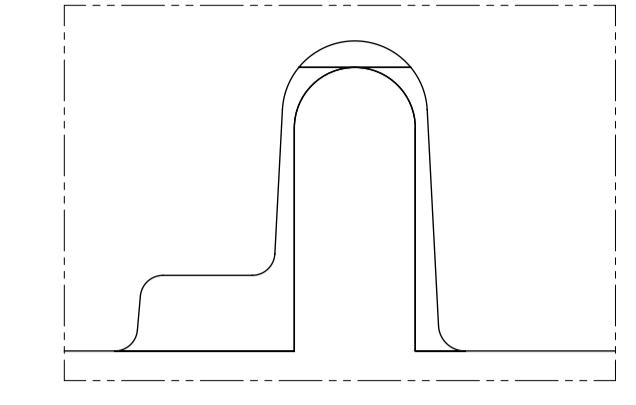
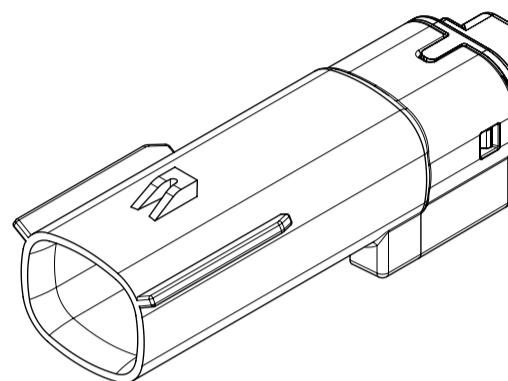
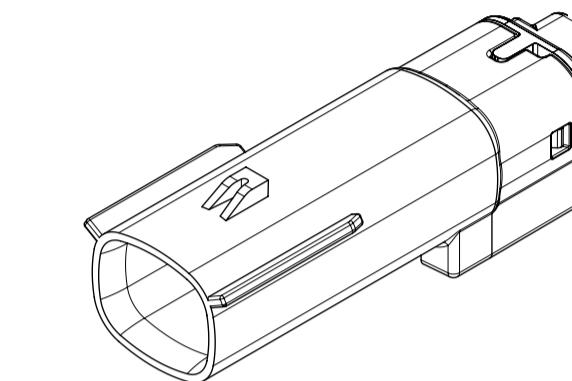
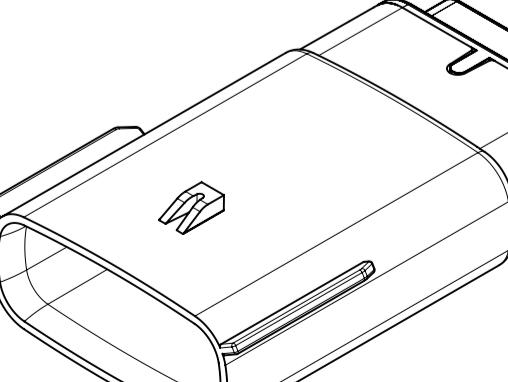
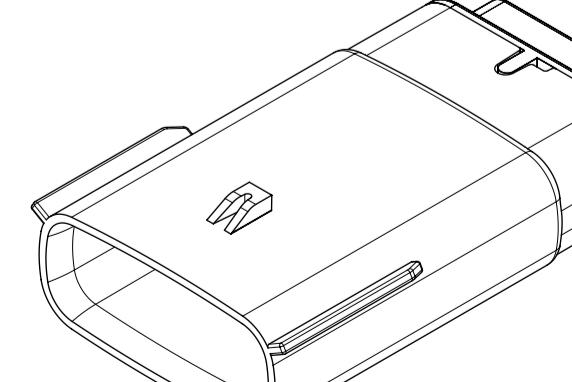
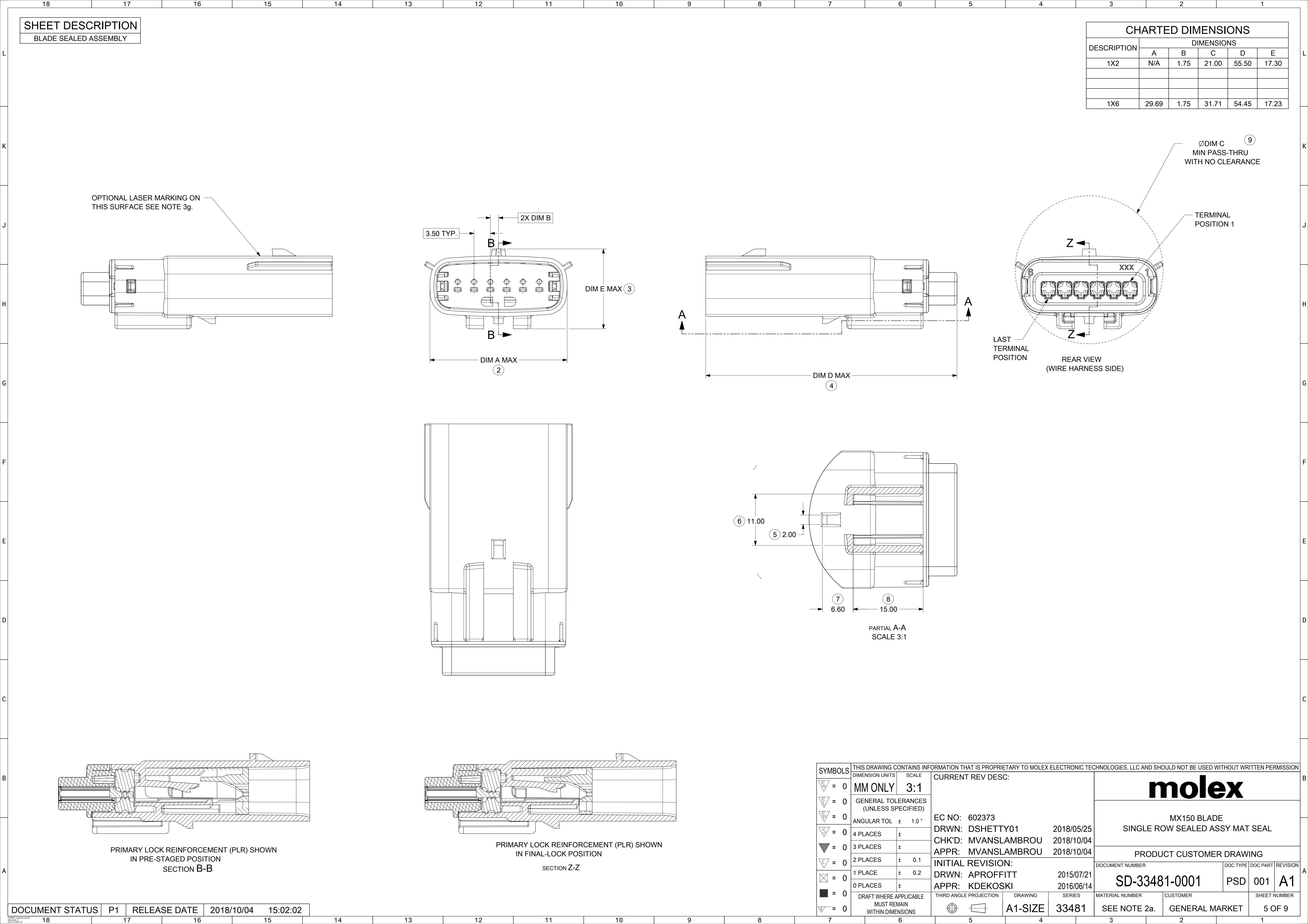
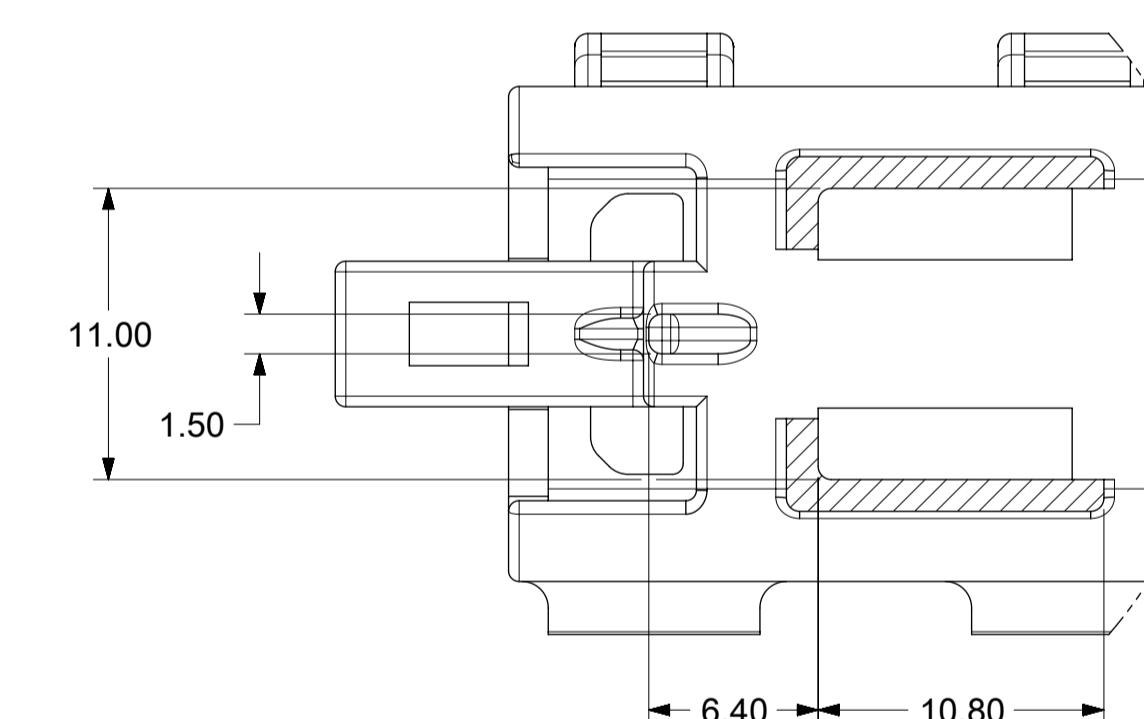
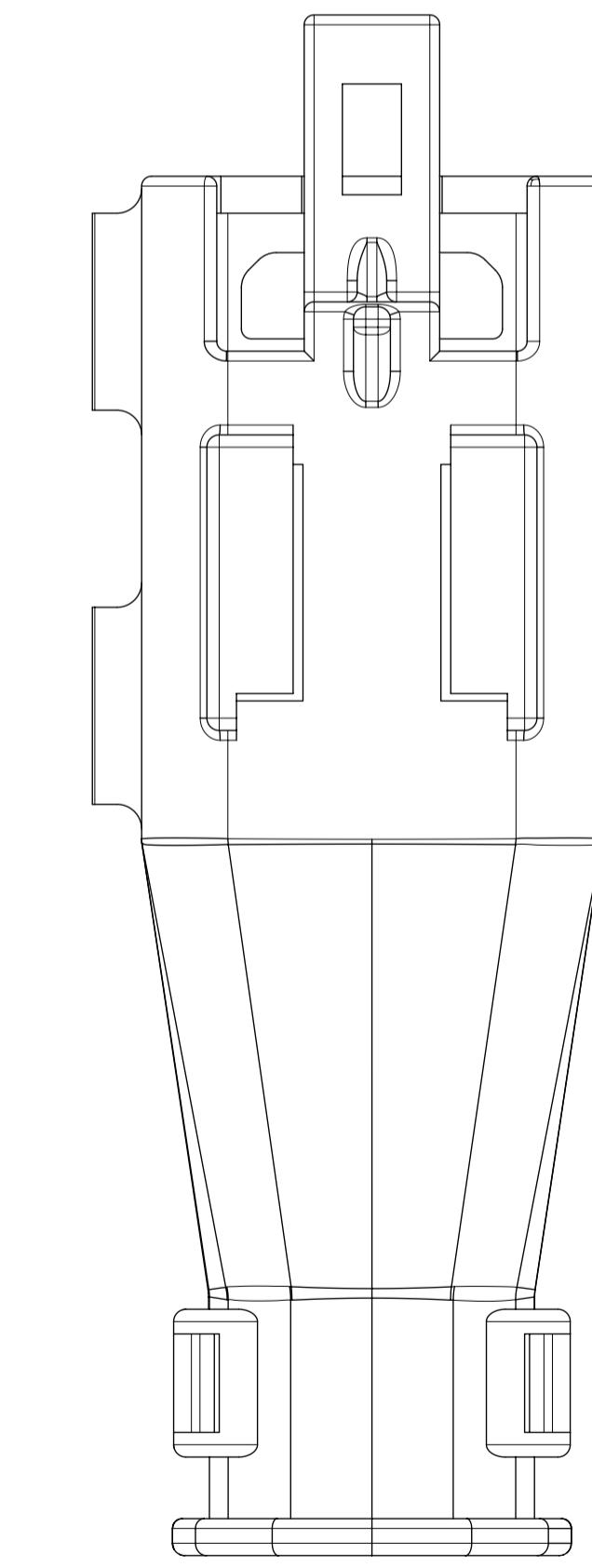
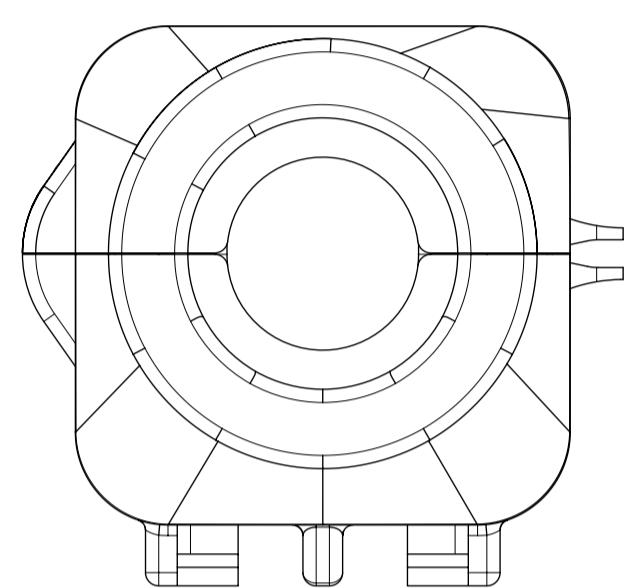
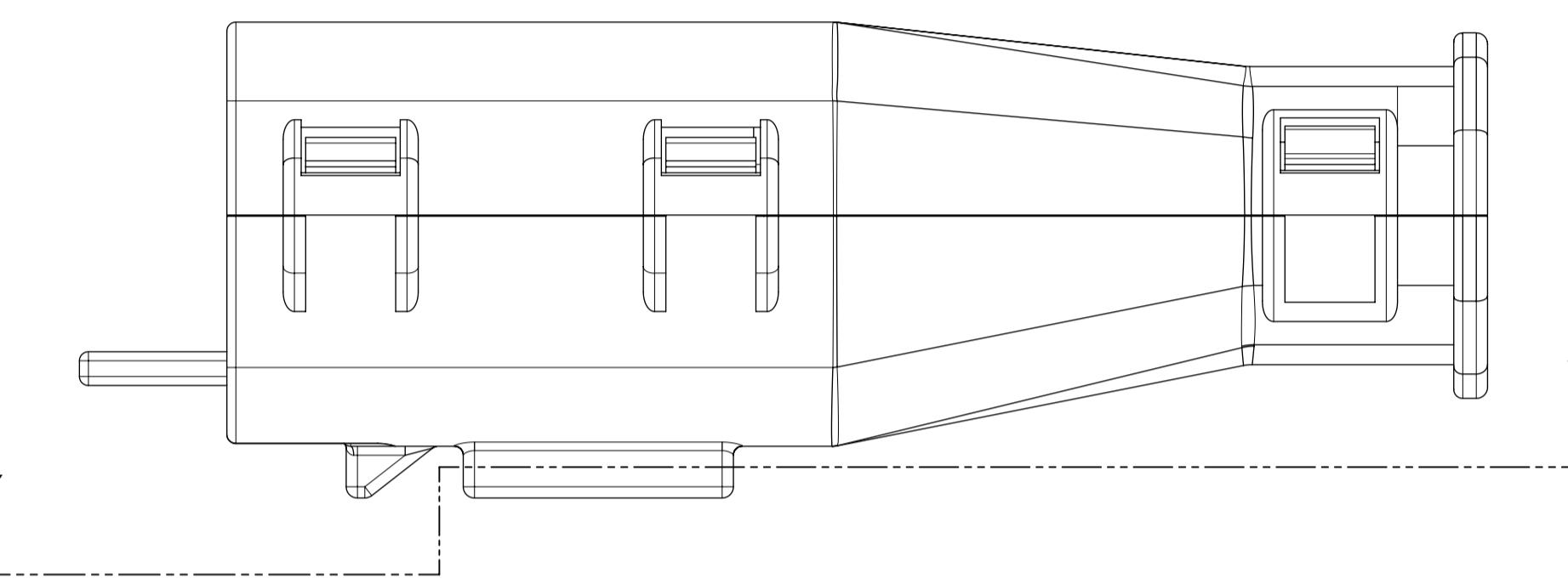
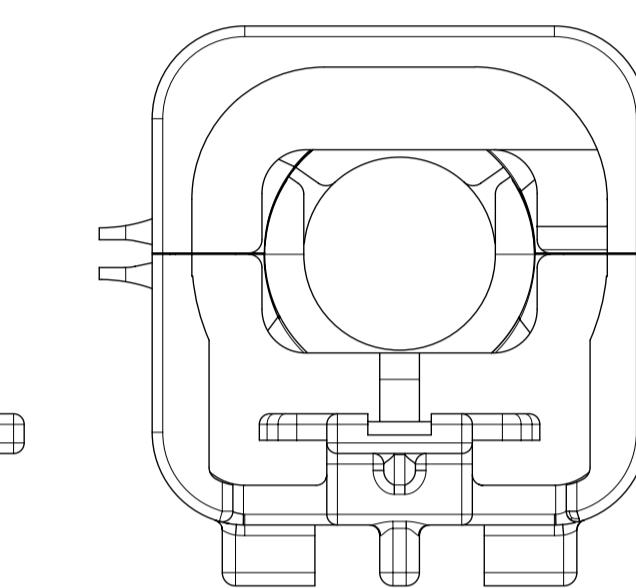
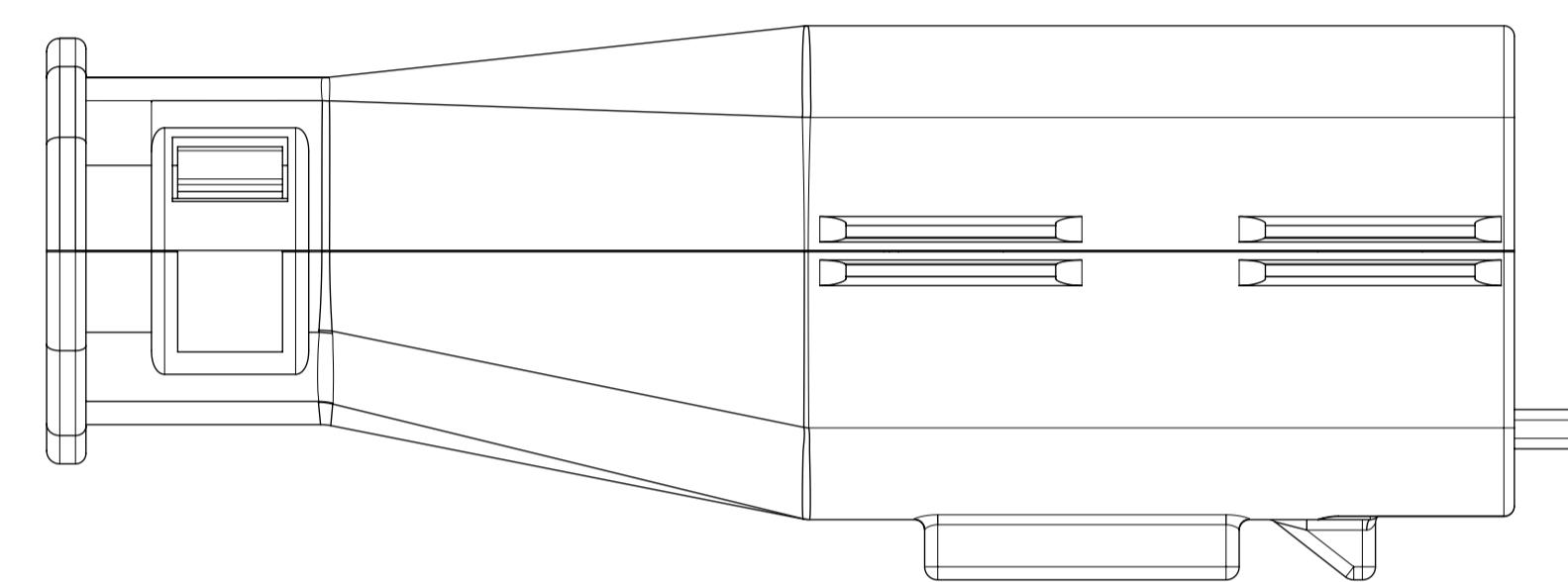


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 <p>1x6 - STD</p>				 <p>1x6 - UL V0*</p>				<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SYMBOLS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td>= 0</td> <td>MM ONLY</td> <td>1.5:1</td> </tr> <tr> <td></td> <td>= 0</td> <td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td> </tr> <tr> <td></td> <td>= 0</td> <td colspan="2">ANGULAR TOL \pm 1.0°</td> </tr> <tr> <td></td> <td>= 0</td> <td>4 PLACES</td> <td>\pm</td> </tr> <tr> <td></td> <td>= 0</td> <td>3 PLACES</td> <td>\pm</td> </tr> <tr> <td></td> <td>= 0</td> <td>2 PLACES</td> <td>\pm 0.1</td> </tr> <tr> <td></td> <td>= 0</td> <td>1 PLACE</td> <td>\pm 0.2</td> </tr> <tr> <td></td> <td>= 0</td> <td>0 PLACES</td> <td>\pm</td> </tr> <tr> <td colspan="4"> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS </td> </tr> </table> </div> <div style="width: 55%;"> <p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">DIMENSION UNITS</td> <td>SCALE</td> <td colspan="2">CURRENT REV DESC:</td> </tr> <tr> <td colspan="2"></td> <td>MM ONLY</td> <td colspan="2">1.5:1</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">GENERAL TOLERANCES (UNLESS SPECIFIED)</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">ANGULAR TOL \pm 1.0°</td> </tr> <tr> <td colspan="2"></td> <td>4 PLACES</td> <td>\pm</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>3 PLACES</td> <td>\pm</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>2 PLACES</td> <td>\pm 0.1</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>1 PLACE</td> <td>\pm 0.2</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>0 PLACES</td> <td>\pm</td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">PRODUCT CUSTOMER DRAWING</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">DOCUMENT NUMBER: SD-33481-0001</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">DOC TYPE: PSD</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">DOC PART: 001</td> </tr> <tr> <td colspan="2"></td> <td colspan="3">REVISION: A1</td> </tr> </table> <p>molex</p> <p>MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-33481-0001</p> <p>DOC TYPE: PSD</p> <p>DOC PART: 001</p> <p>REVISION: A1</p> <p>SEE NOTE 2a.</p> <p>GENERAL MARKET</p> <p>2 OF 9</p> </div> </div>											= 0	MM ONLY	1.5:1		= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			= 0	ANGULAR TOL \pm 1.0°			= 0	4 PLACES	\pm		= 0	3 PLACES	\pm		= 0	2 PLACES	\pm 0.1		= 0	1 PLACE	\pm 0.2		= 0	0 PLACES	\pm	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DIMENSION UNITS		SCALE	CURRENT REV DESC:				MM ONLY	1.5:1				GENERAL TOLERANCES (UNLESS SPECIFIED)					ANGULAR TOL \pm 1.0°					4 PLACES	\pm				3 PLACES	\pm				2 PLACES	\pm 0.1				1 PLACE	\pm 0.2				0 PLACES	\pm				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					INITIAL REVISION: DRWN: APROFFITT 2015/07/21 APPR: KDEKOSKI 2016/06/14					EC NO: 602373 DRWN: DSHETTY01 2018/05/25 CHK'D: MVANSLAMBROU 2018/10/04 APPR: MVANSLAMBROU 2018/10/04					PRODUCT CUSTOMER DRAWING					DOCUMENT NUMBER: SD-33481-0001					DOC TYPE: PSD					DOC PART: 001					REVISION: A1		
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F = 0 GENERAL TOLERANCES (UNLESS SPECIFIED) DRWN: DSHETTY01 2018/05/25																		
P = 0 ANGULAR TOL ± 1.0° CHK'D: MVANSLAMBROU 2018/10/04																		
S = 0 4 PLACES ± APPR: MVANSLAMBROU 2018/10/04																		
D = 0 3 PLACES ± INITIAL REVISION:																		
C = 0 2 PLACES ± 0.1 DRWN: APROFFITT 2015/07/21																		
B = 0 1 PLACE ± 0.2 APPR: KDEKOSKI 2016/06/14																		
A = 0 0 PLACES ± DRAFT WHERE APPPLICABLE																		
V = 0 MUST REMAIN WITHIN DIMENSIONS																		
W = 0 THIRD ANGLE PROJECTION DRAWING SERIES																		
E = 0 A1-SIZE 33481																		
R = 0 SEE NOTE 2a. CUSTOMER																		
T = 0 GENERAL MARKET																		
U = 0 3 OF 9																		
V = 0																		
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C = 0																		
D = 																		



SHEET DESCRIPTION
 BACKSHELL

 PARTIAL Y-Y
 SCALE 3.5:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
SYMBOLS	DIMENSION UNITS	SCALE
W = 0	MM ONLY	3.5:1
E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
F = 0	ANGULAR TOL \pm 1.0°	
S = 0	4 PLACES \pm	
V = 0	3 PLACES \pm	
C = 0	2 PLACES \pm 0.1	
I = 0	1 PLACE \pm 0.2	
M = 0	0 PLACES \pm	
W = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
CURRENT REV DESC:		
EC NO: 602373		
DRWN: DSHEETTY01 2018/05/25		
CHK'D: MVANSLAMROU 2018/10/04		
APPR: MVANSLAMROU 2018/10/04		
INITIAL REVISION:		
DRWN: APROFFITT 2015/07/21		
APPR: KDEKOSKI 2016/06/14		
PRODUCT CUSTOMER DRAWING		
DOCUMENT NUMBER	DOC TYPE	DOC PART
SD-33481-0001	PSD	001 A1
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE NOTE 2a.	GENERAL MARKET	8 OF 9
THIRD ANGLE PROJECTION	DRAWING	SERIES
18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	A1-SIZE	33481

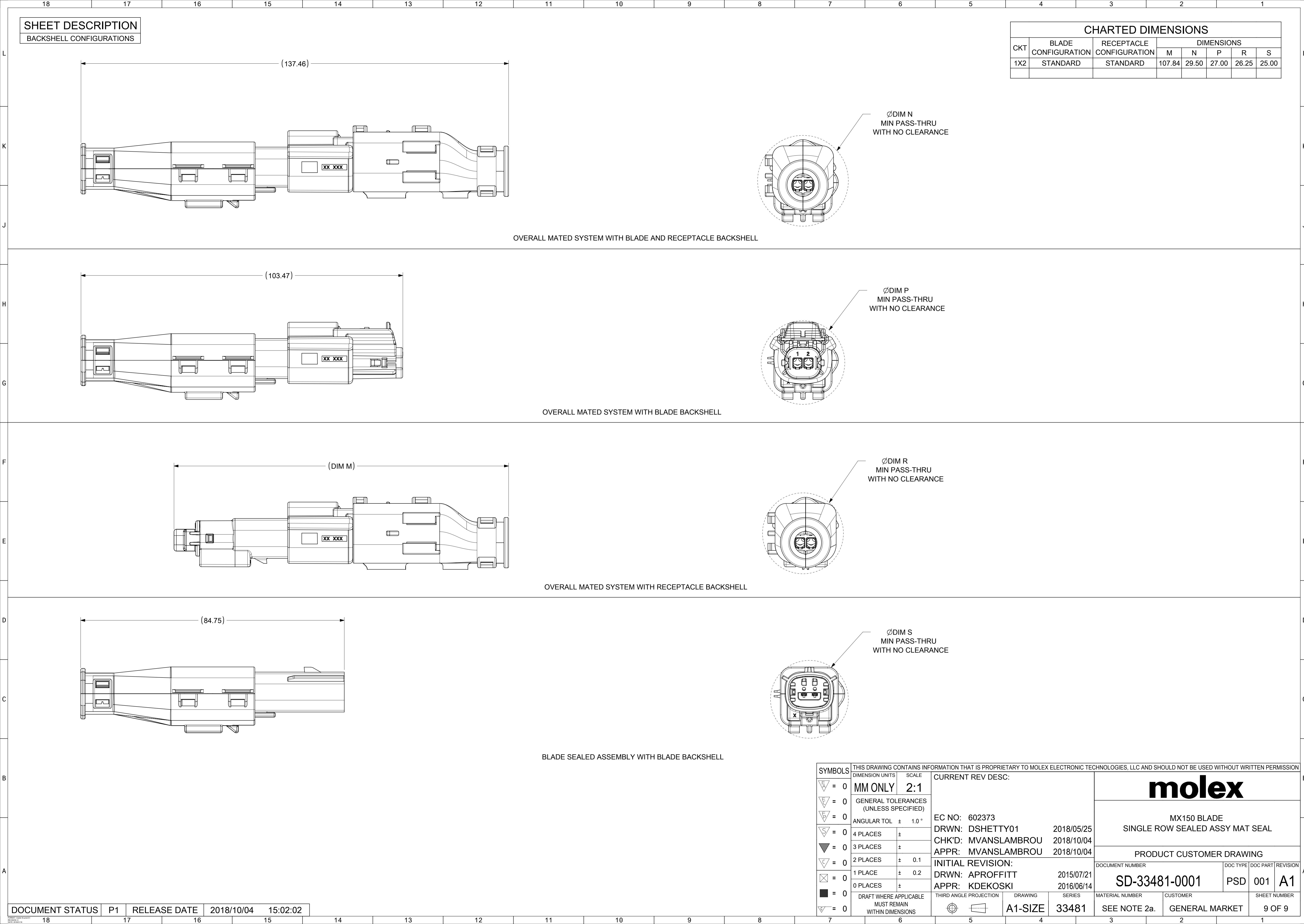
molex

 MX150 BLADE
 SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

SD-33481-0001 PSD 001 A1



20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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K																			K
J																			J
H																			H
G																			G
F																			F
E																			E
D																			D
C																			C
B																			B
A																			A

TABLE OF CONTENTS

SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BACKSHELL NOTES
6	BACKSHELL
7	BACKSHELL CONFIGURATIONS
8-9	BOM

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-021.
- FOR 1.5mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
- ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION
- IN THE EVENT THAT THE PLR IS FOUND IN THE SEALED (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 40 NEWTONS.

b. PRODUCT SPECIFICATION SEE: PS-33471-000
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.

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

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. SEE BOM TABLE

3. DESIGN - GEOMETRY:

- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
- c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- g. LASER MARKING: TBD

INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

A13	UPDATED STATUS IN BOM
A12	ADD NEW P/N 33481-2201 TO 33481-2210
A10	ADD NEW P/N 33481-0210
A9	UPDATED VIEWSET & NOTES
A8	RENAME BACKSHELLS
A7	REMOVED DIMENSION 57
A6	UPDATED NOTES
A5	UPDATED P/N ORDER IN BOM
A4	REDRAWN, ADDED BACKSHELL
REV	DESCRIPTION

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DIMENSION UNITS: mm SCALE: 3:1 CURRENT REV DESC: SEE REVISION TABLE

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL: $\pm 3.0^\circ$

4 PLACES	\pm
3 PLACES	\pm
2 PLACES	± 0.1
1 PLACE	± 0.2
0 PLACES	\pm

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

EC NO: 645317 DRWN: MKP 2020/08/07
CHK'D: MJMITCHELL 2020/09/21
APPR: MJMITCHELL 2020/09/21

INITIAL REVISION:
DRWN: MVANSLAMBROU 2009/02/24
APPR: VKOSHY 2009/02/24

PRODUCT CUSTOMER DRAWING
DOCUMENT NUMBER: SD-33481-021 DOC TYPE: PSD DOC PART: 001 REV: A13

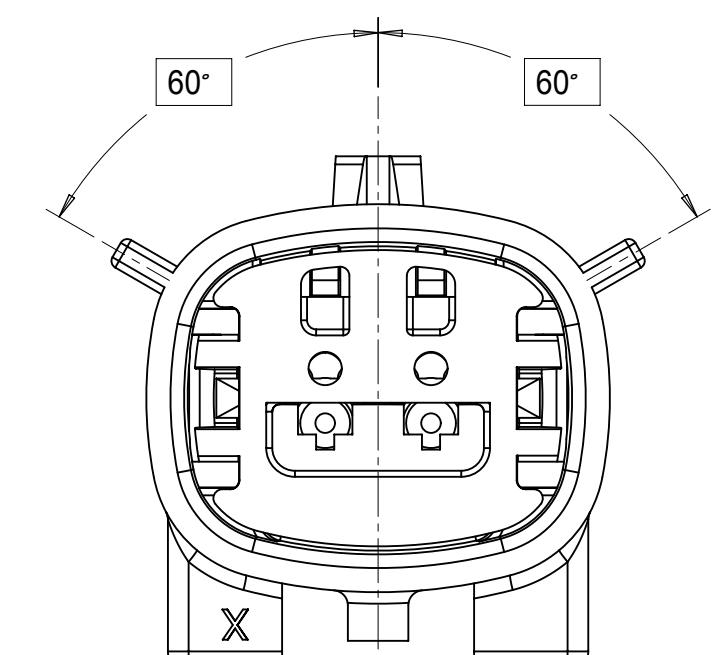
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molex

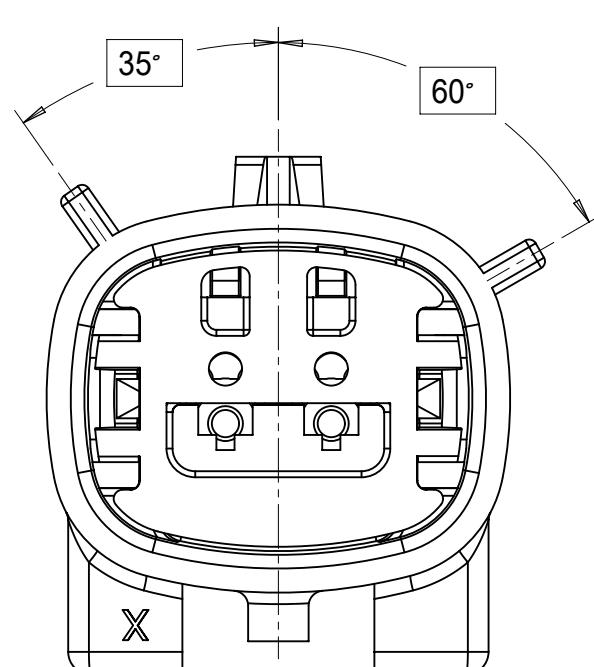
MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL

DOCUMENT STATUS: P1 RELEASE DATE: 2020/09/21 14:03:56

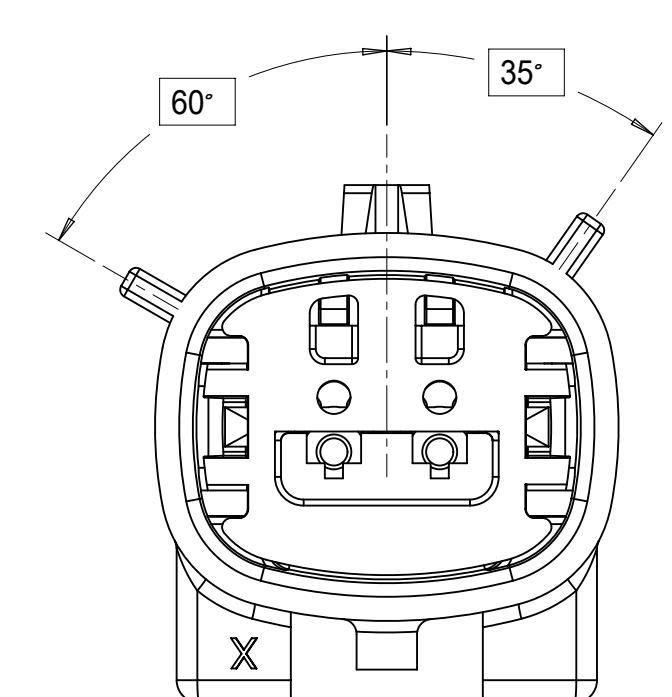
KEY CONFIGURATIONS



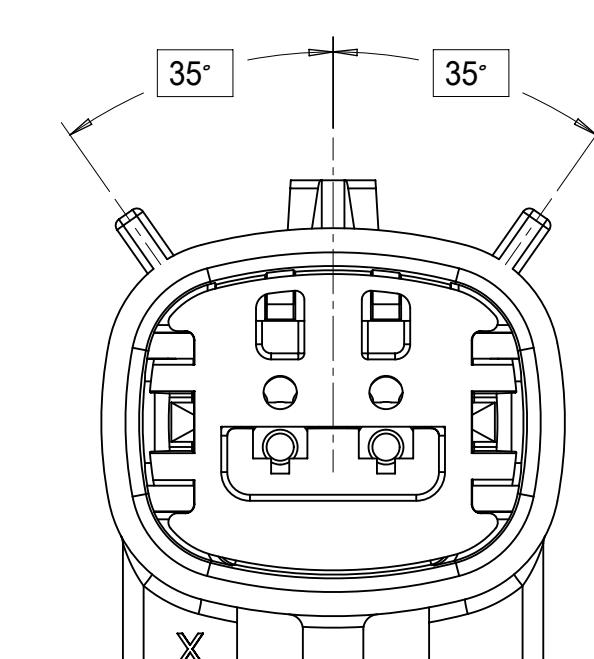
KEY A



KEY B

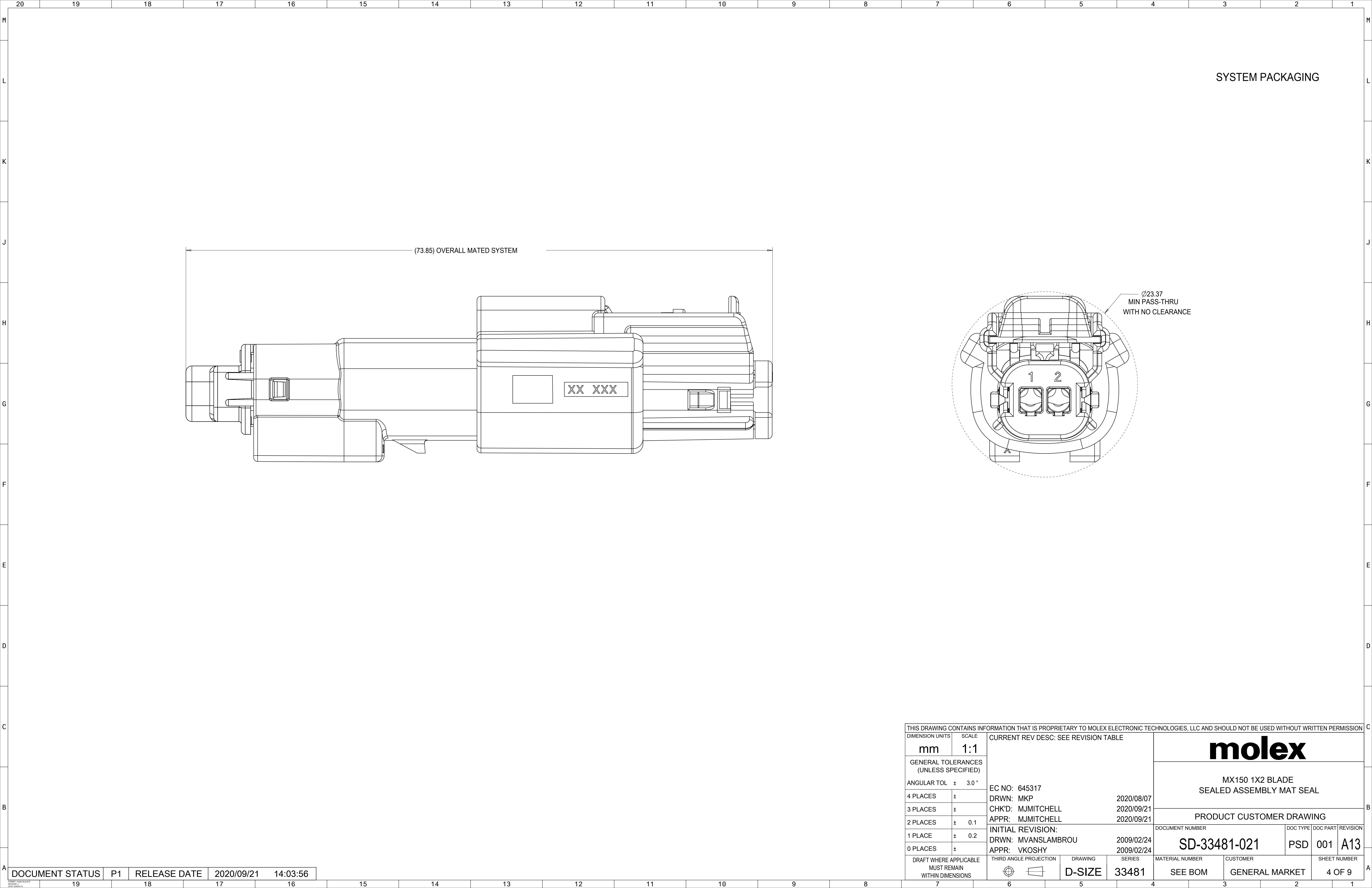


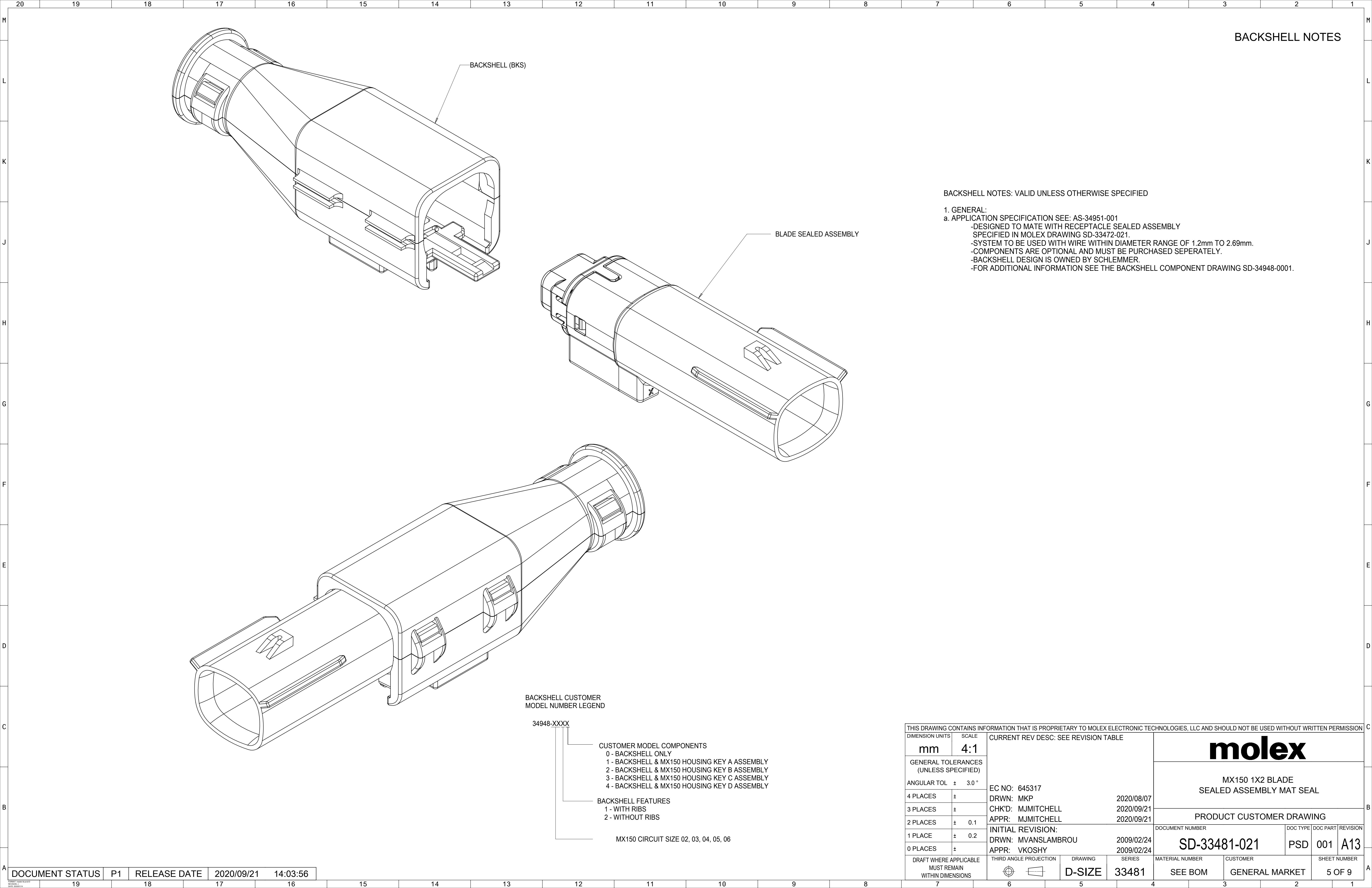
KEY C

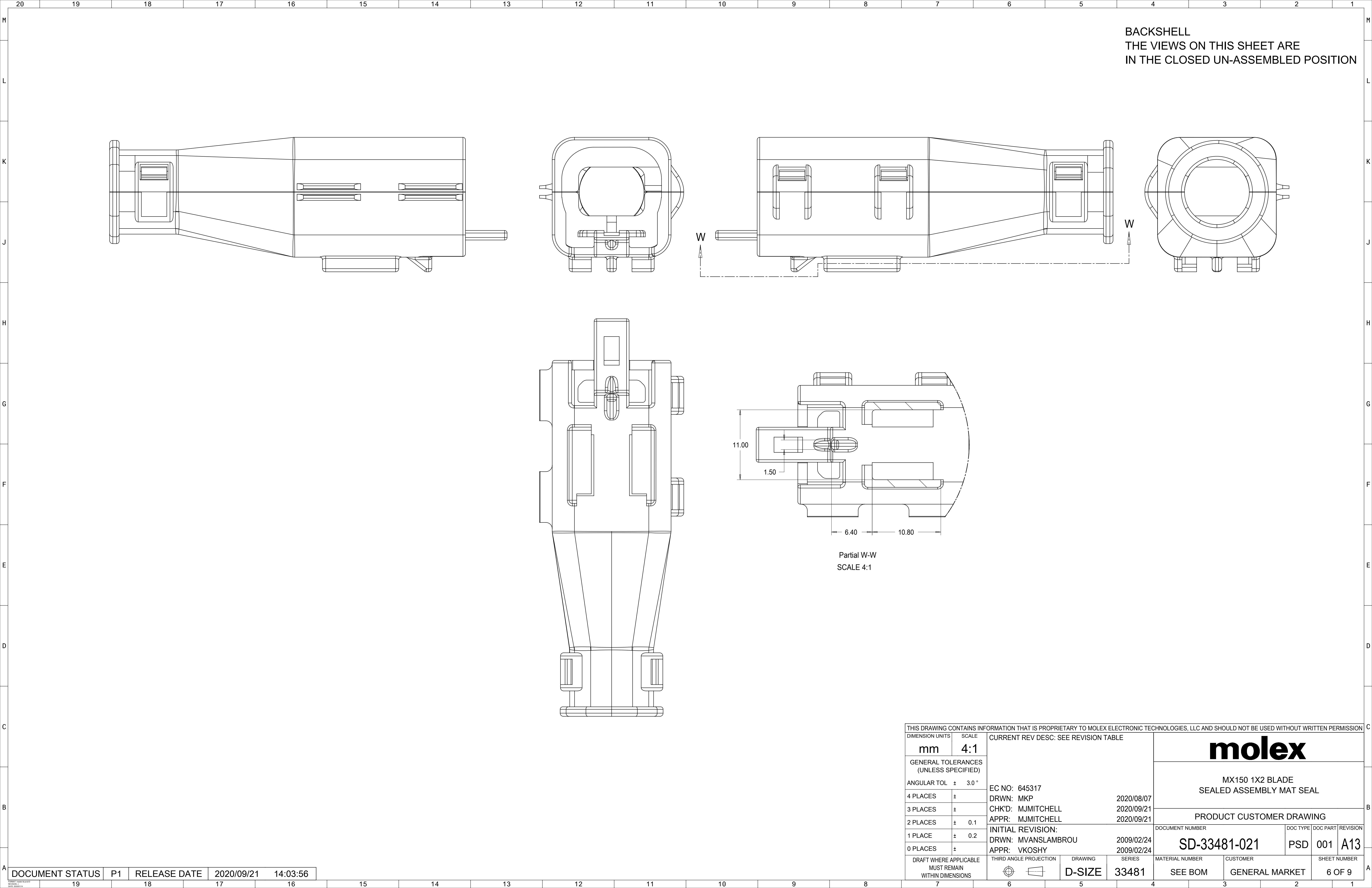


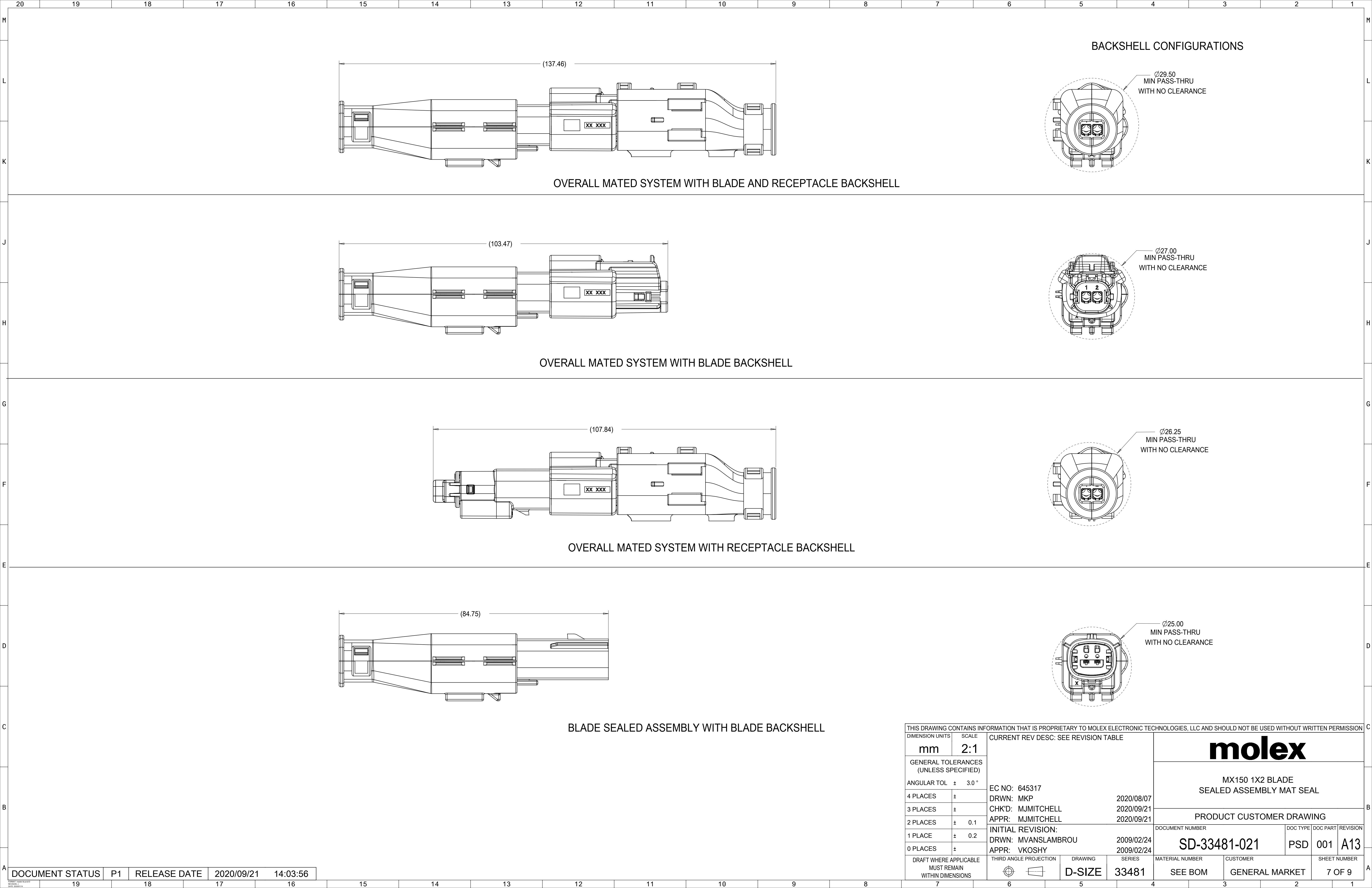
KEY D

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DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE
mm	4:1	molex
GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL \pm 3.0°		
4 PLACES	\pm	EC NO: 645317
3 PLACES	\pm	DRWN: MKP
2 PLACES	\pm 0.1	CHK'D: MJMITCHELL
1 PLACE	\pm 0.2	APPR: MJMITCHELL
0 PLACES	\pm	INITIAL REVISION: DRWN: MVANSLAMBROU
		2020/08/07
		2020/09/21
		2020/09/21
		PRODUCT CUSTOMER DRAWING
		DOCUMENT NUMBER
		DOC TYPE
		DOC PART
		REVISION
		SD-33481-021
		PSD
		001
		A13
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
THIRD ANGLE PROJECTION	DRAWING	SERIES
		33481
MATERIAL NUMBER	CUSTOMER	SEE BOM
		GENERAL MARKET
		2 OF 9









KEY A, YELLOW	33481-2210			A	GCO				SALEABLE		34948-0210	34948-0220			
KEY A, BLACK	33481-2209	A				GCP2		2	SALEABLE		34948-0210	34948-0220			
KEY D, STONE GRAY	33481-2208		D			GCP		1	2	SALEABLE		34948-0210	34948-0220		
KEY C, DARK GRAY	33481-2207		C			GCP		1	2	SALEABLE		34948-0210	34948-0220		
KEY B, LIGHT GRAY	33481-2206	B				GCP		1	2	SALEABLE		34948-0210	34948-0220		
KEY A, BLACK	33481-2205	A				GCP		1	2	SALEABLE		34948-0210	34948-0220		
KEY D, STONE GRAY	33481-2204		D		GCO				SALEABLE		34948-0210	34948-0220			
KEY C, DARK GRAY	33481-2203		C		GCO				SALEABLE		34948-0210	34948-0220			
KEY B, LIGHT GRAY	33481-2202	B			GCO				SALEABLE		34948-0210	34948-0220			
KEY A, BLACK	33481-2201	A			GCO				SALEABLE		34948-0210	34948-0220			
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBERS	A	B	C	D	A	GCO	GCP	GCP2	1	2	STATUS	COMMENTS	BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
										BLOCKED TERMINAL				CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION	OPTIONAL ATTACHMENTS
													CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION	SOLD SEPARATELY	