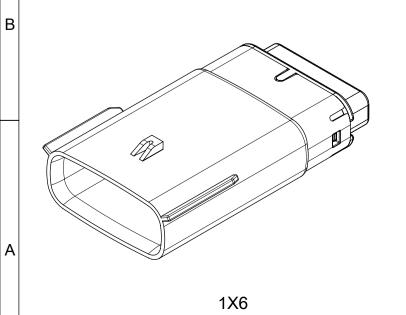
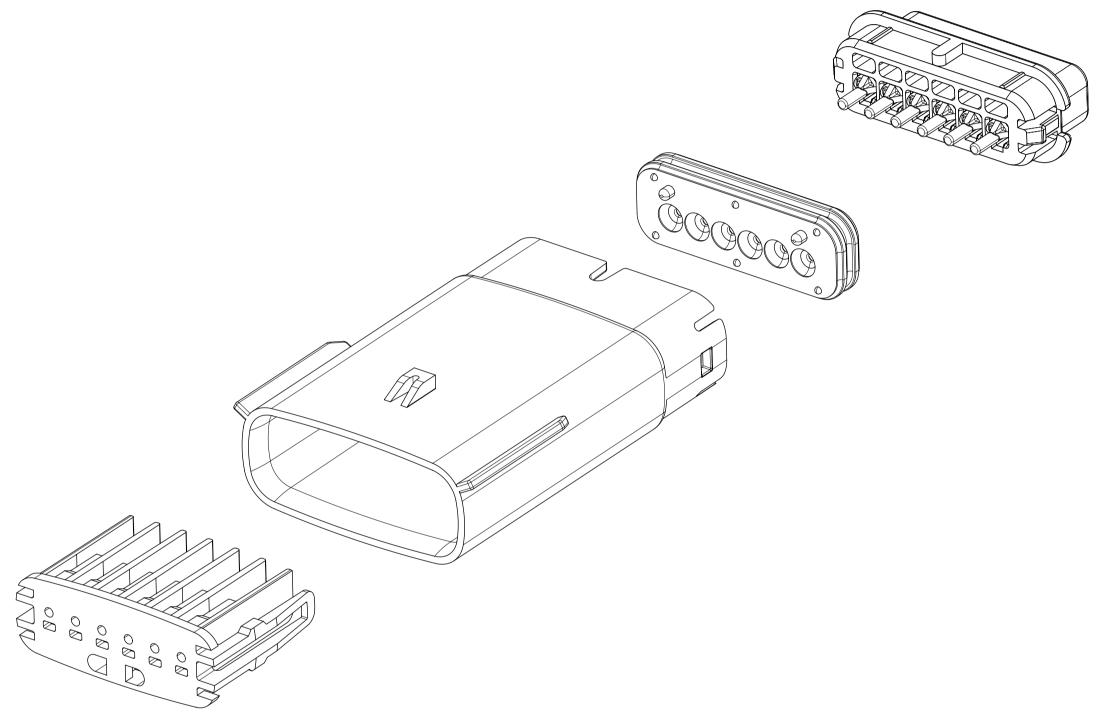
18 17 16	15 14 13 12 11 10 9	8 7 6	5
SHEET NO.         SHEET DESCRIPTION           1         NOTES AND BOM			
L 2 CONFIGURATIONS	NOTES: VALID UNLESS OTHERWISE SPECIFIED		
3-4 KEY CONFIGURATIONS	1. GENERAL:		
5 BLADE SEALED ASSEMBLY	a. APPLICATION SPECIFICATION SEE: AS-33472-100		
6 SYSTEM PACKAGING	-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY,		
7     BACKSHELL NOTES       8     BACKSHELL	CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY		
9 BACKSHELL CONFIGURATIONS	CHECKING, CRIMPING, AND TROUBLESHOOTING.		
	-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN THE MATING CONNECTOR DRAWINGS CHART.		
κ	*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-33471-000 -UL V0 CONFIGURATION: PS-160105-0001		
	CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY,		
	RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY),		
J	TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS. c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635 (PK-33471-000 FOR 1X5)		
	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:		
H	-STANDARD CONFIGURATION: SD-33481-0002		
	-UL V0 CONFIGURATION: SD-160106-0002		
	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		
1X2	ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.		
	b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009		
G	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		
F	3. SHIFT		
	4. YEAR FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.		
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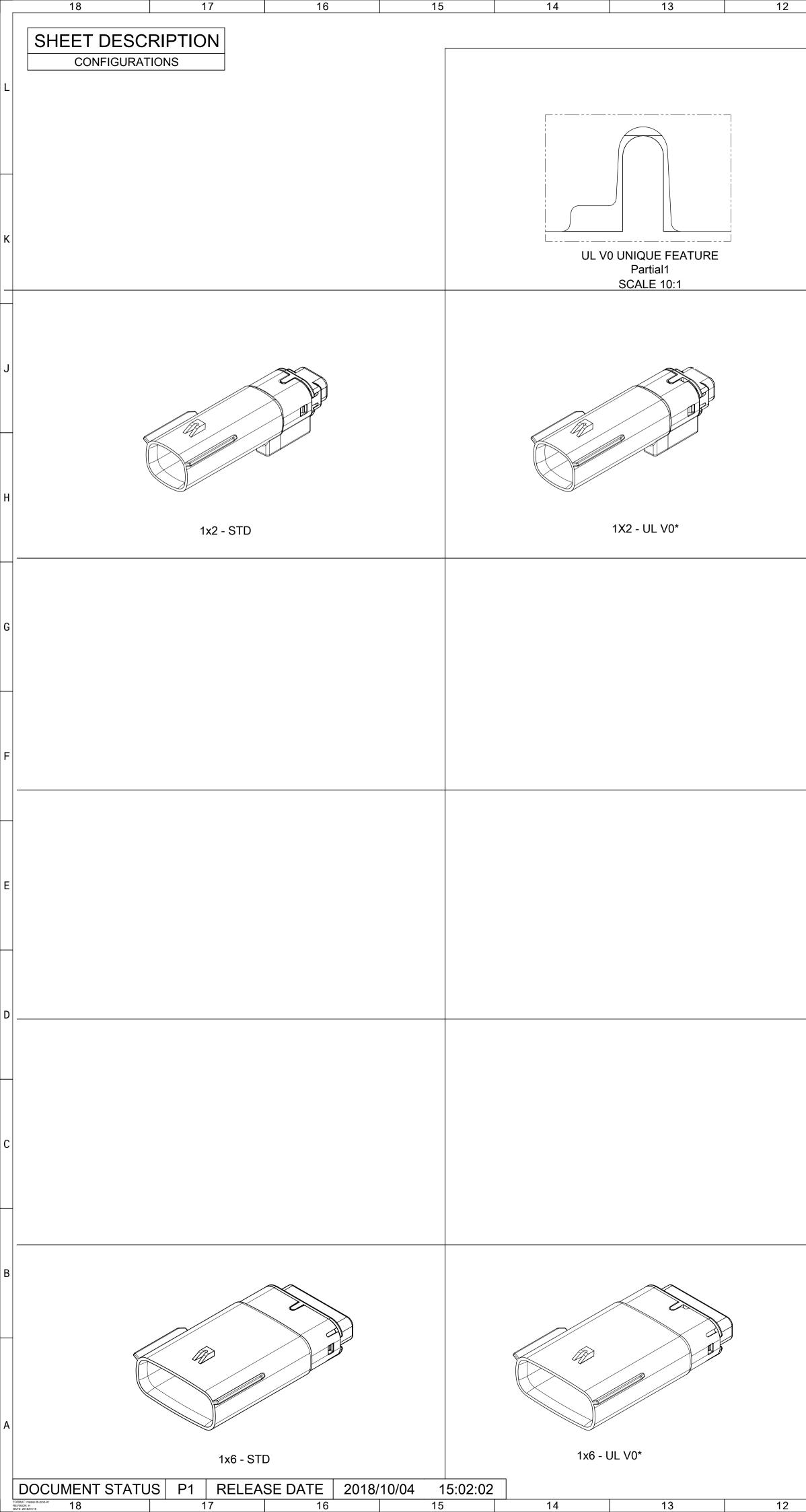
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- <b>○</b> 7	WITHIN DIMENSIONS	5			3		2			

MATING CONNECTOR DRAWINGS									
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1X6	SD-33471-0001								



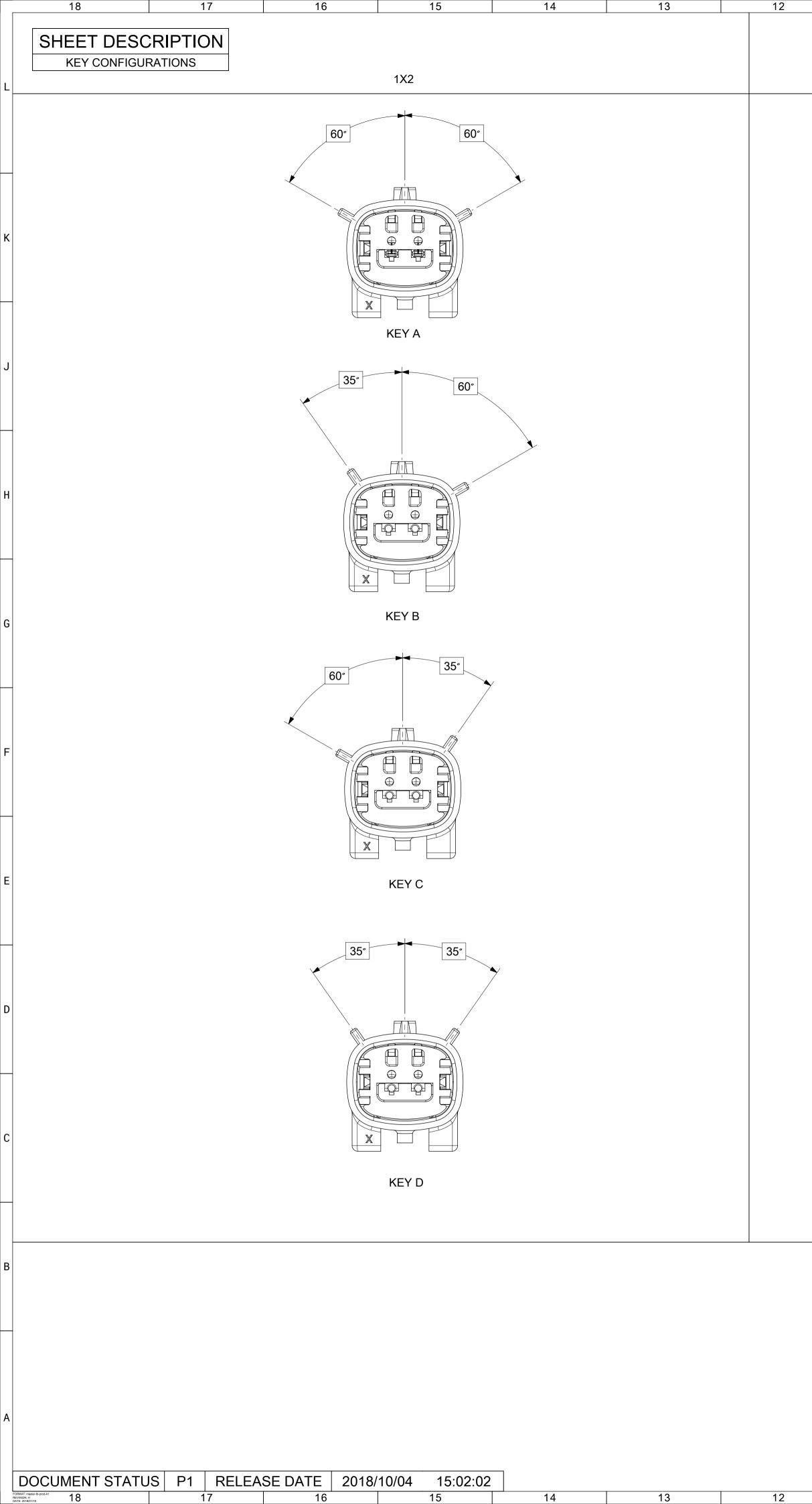
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\* MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION. SEE NOTES 1 & 2 FOR MORE INFORMATION

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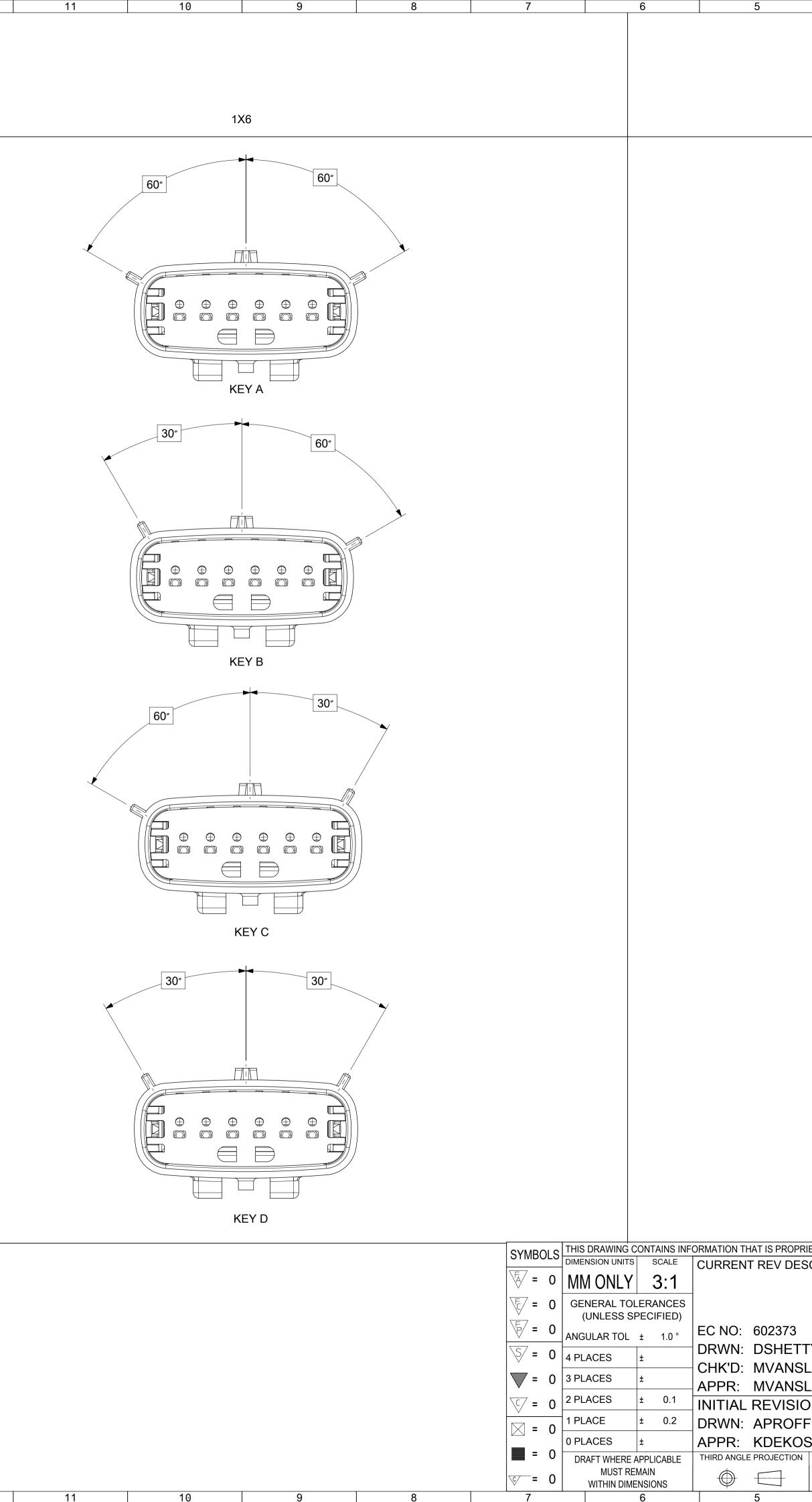
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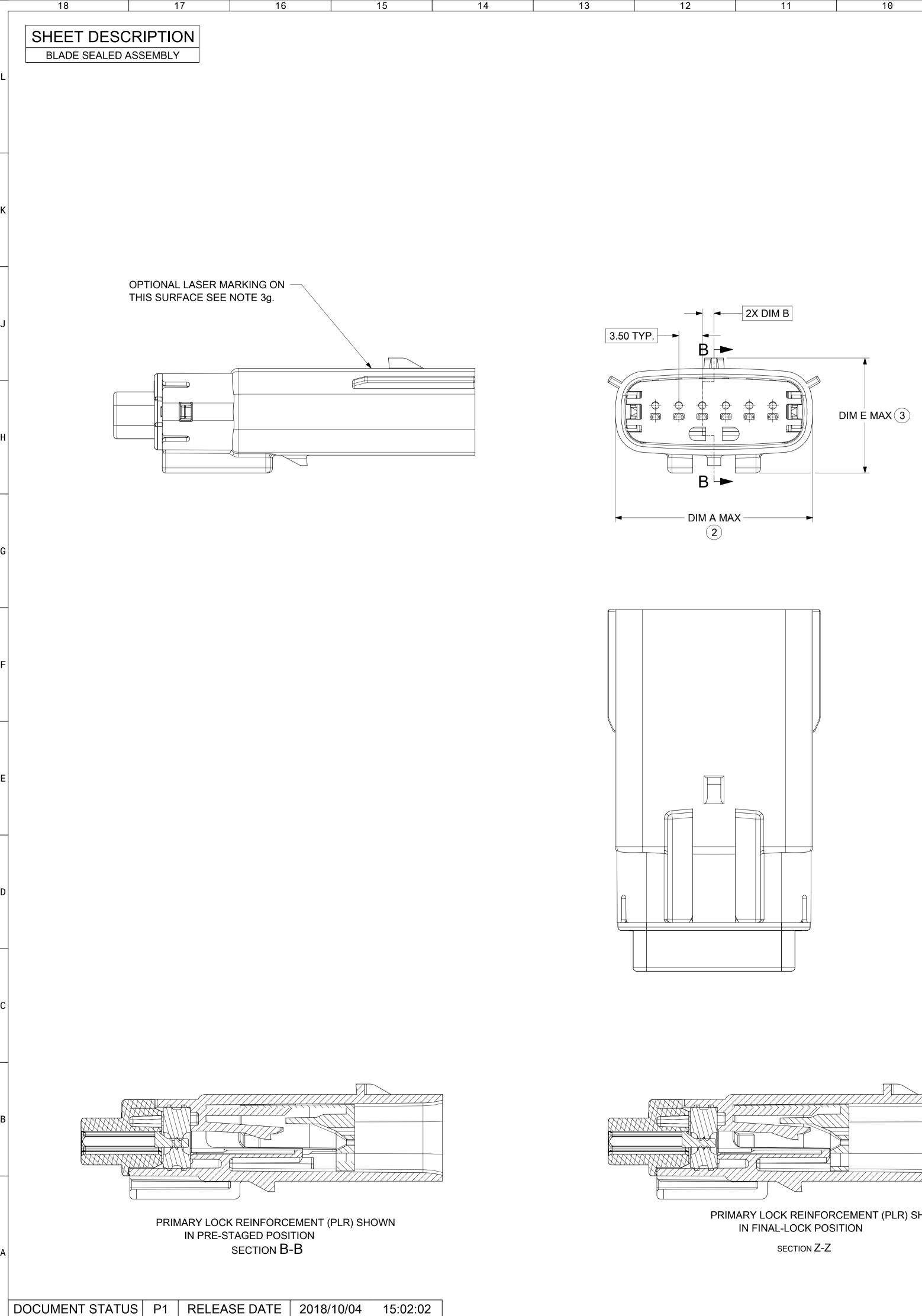
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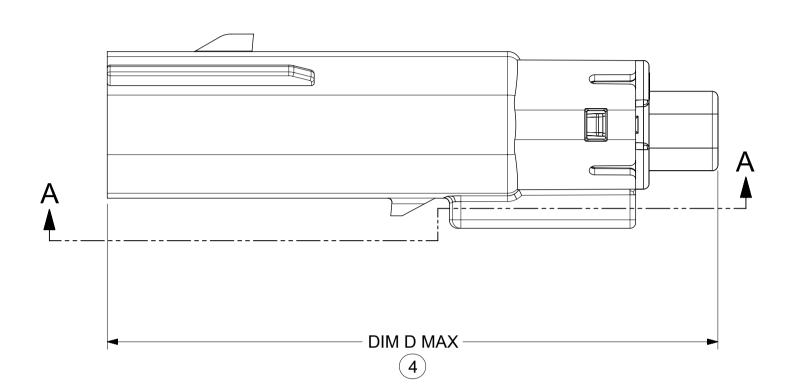
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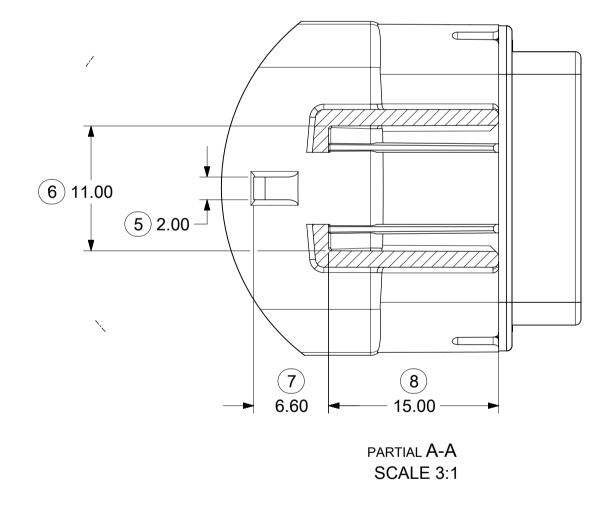
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PRIMARY LOCK REINFORCEMENT (PLR) SHOWN

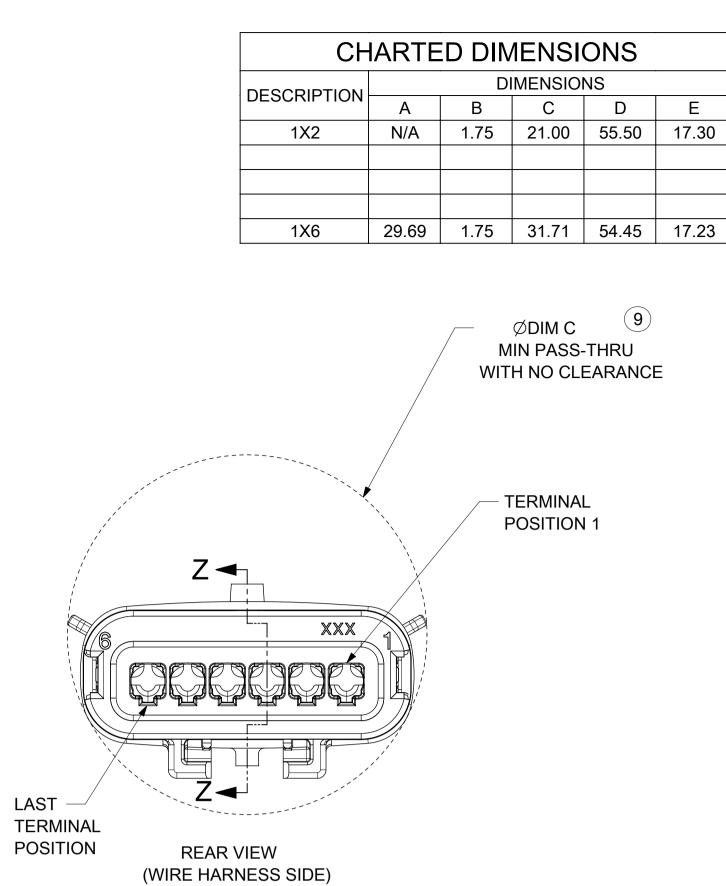
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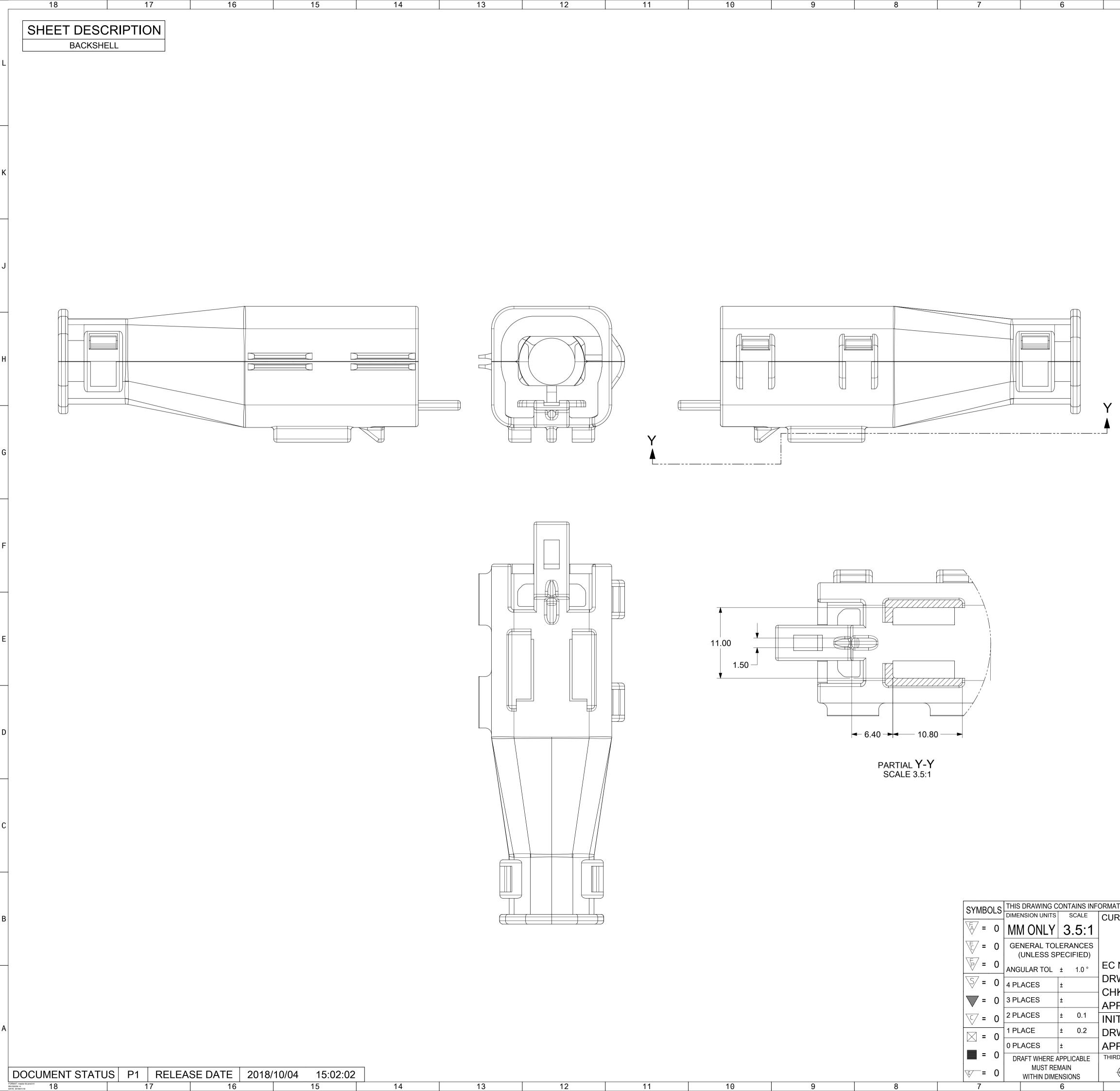
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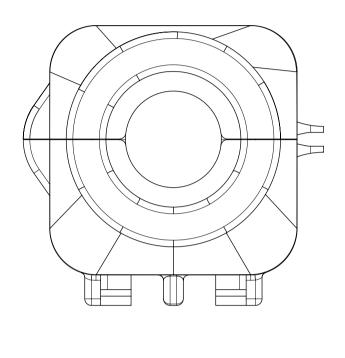


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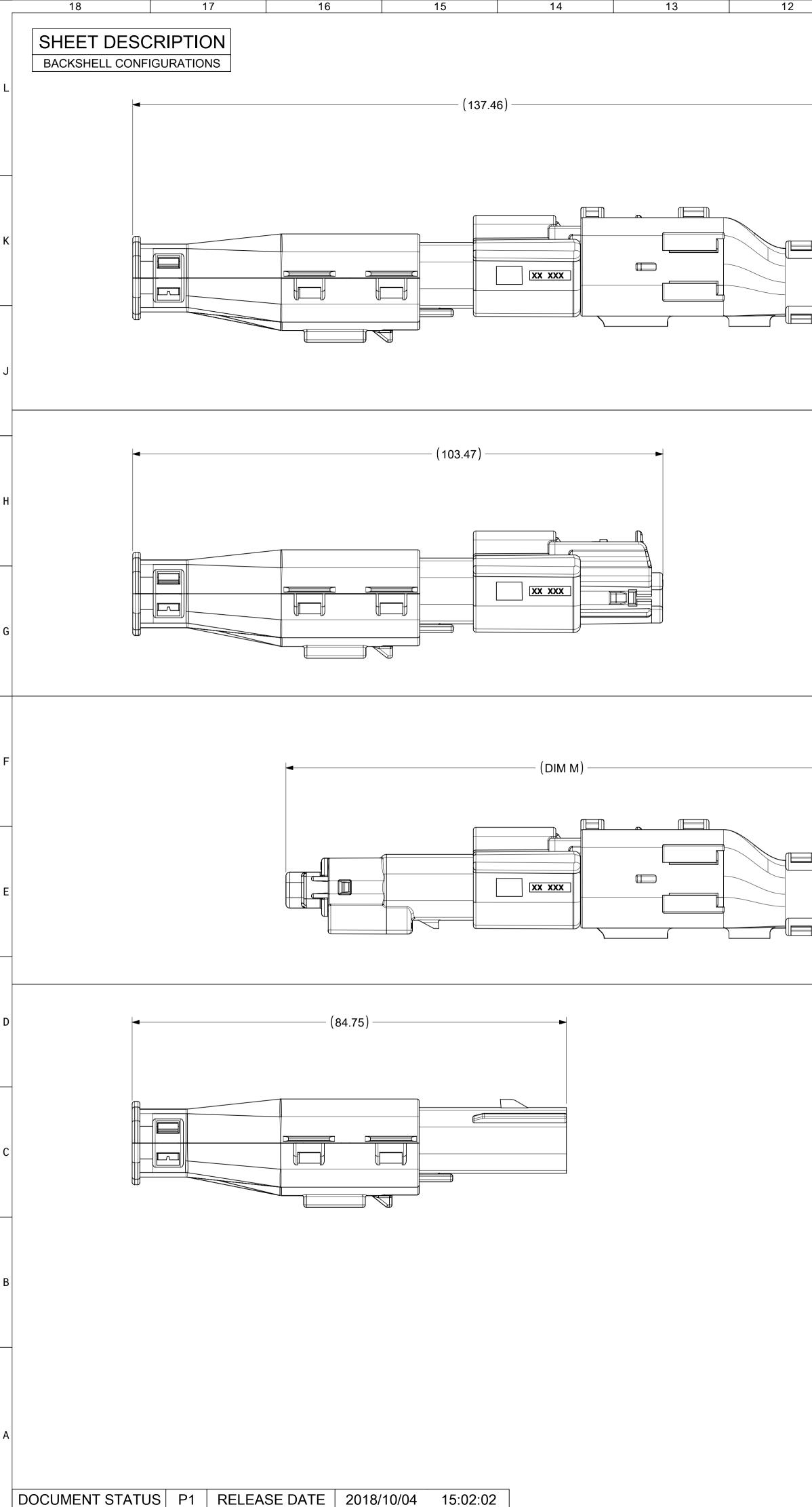


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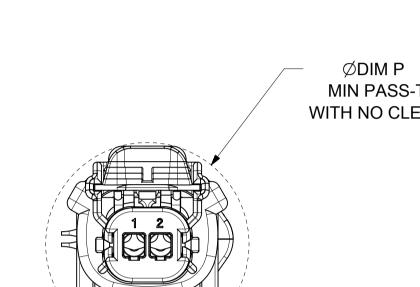
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OVERALL MATED SYSTEM WITH BLADE BACKSHELL



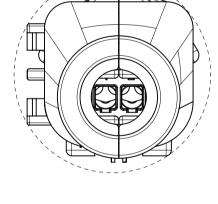


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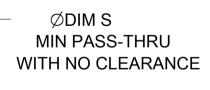
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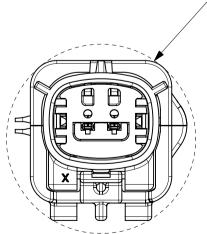
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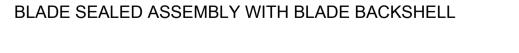
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OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL







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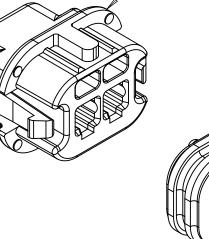
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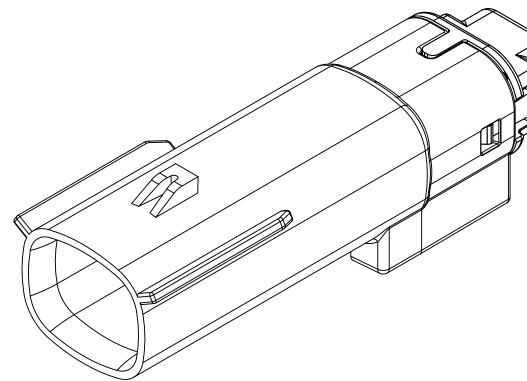
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	5	BACKSHE	ELL NOTES											
	6	BACK	SHELL											
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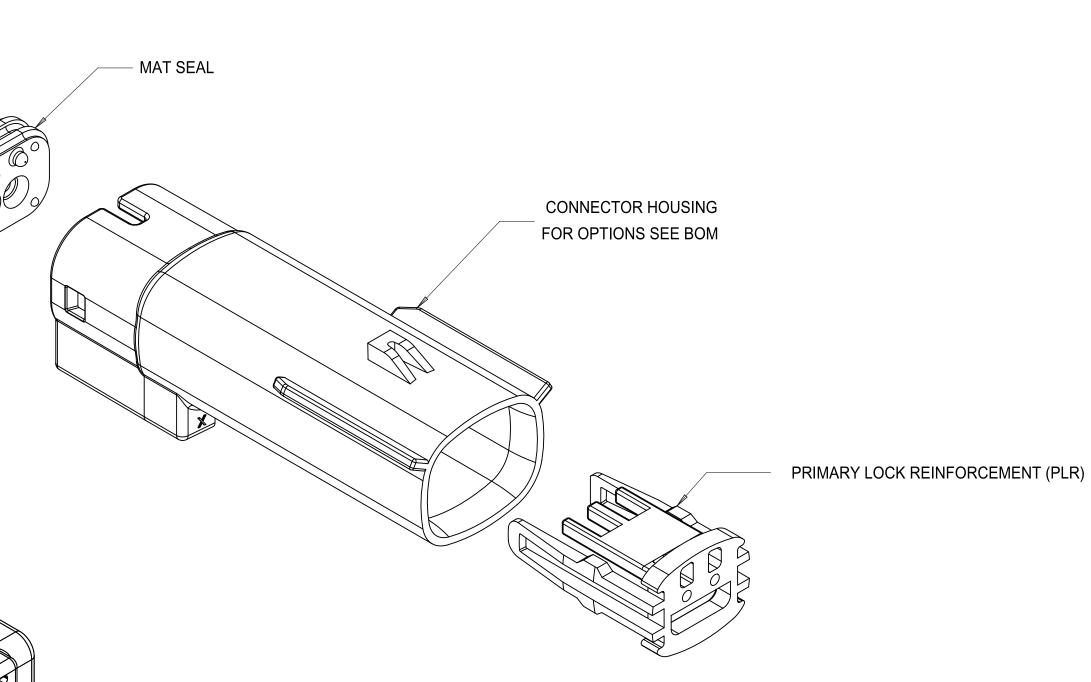


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				A13		UPDATED STATUS	IN BOM		
				A12	ADD N	EW P/N 33481-2201	TO 33481	-2210	
				A10		ADD NEW P/N 3348	31-0210		
				A9	l	JPDATED VIEWSET	& NOTES		
				A8		RENAMED BACKS	HELLS		
				A7		REMOVED DIMENS	SION 57		
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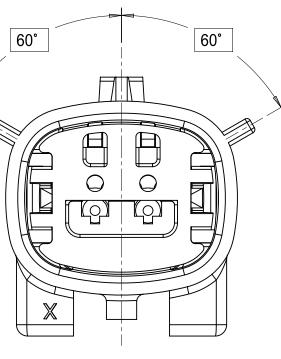


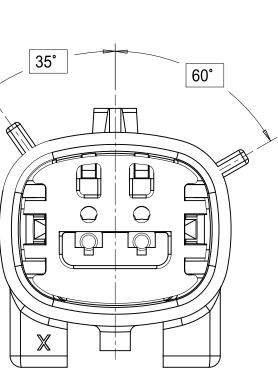
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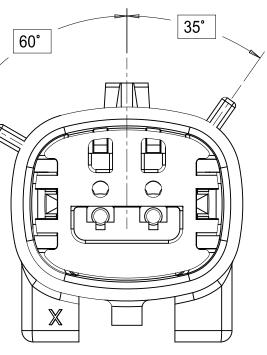
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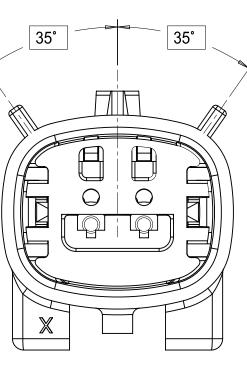
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ww -AS TEF SH, b. PRODUC CO RA CO RA CO RA CO RA AN AN C. PACKAGII d. PARTS M PRODUCT e. DATA MU	VSTITION, REPER TO MC /w.molex.com <a href="http://ww">http://ww SEMBLY CONFORMS T RMINAL INSERTION FO IALL NOT EXCEED 40 N T SPECIFICATION SEE NTAINS: PRODUCT IN ATINGS (CURRENT, TEN ID PRODUCT VALIDATION ID PRODUCT VALIDATION ING SPECIFICATION PE IUST BE IN COMPLIANC TS AND PACKAGING SE IST BE SUBMITTED UN IY ID#13255)</a>	vw.molex.com> TO SAE/USCAR-2 ORCE FOR WIRE NEWTONS. E: PS-33471-000 ITRODUCTION, PF MPERATURE, SE/ ION. ER MOLEX DRAW CE TO MOLEX CH PECIFICATION: E	2 REV.4 WIT DIAMETER RODUCT SU ALING, ANE VING: PK-31 HEMICAL SU SS-40000-50	TH THE FOLLOV R ABOVE 2.5mm UMMARY, D FLAMMABILIT 1300-635 UBSTANCES FC 016	WING EXCEPTIONS: NOT EXCEEDING 2 TY), OR		J
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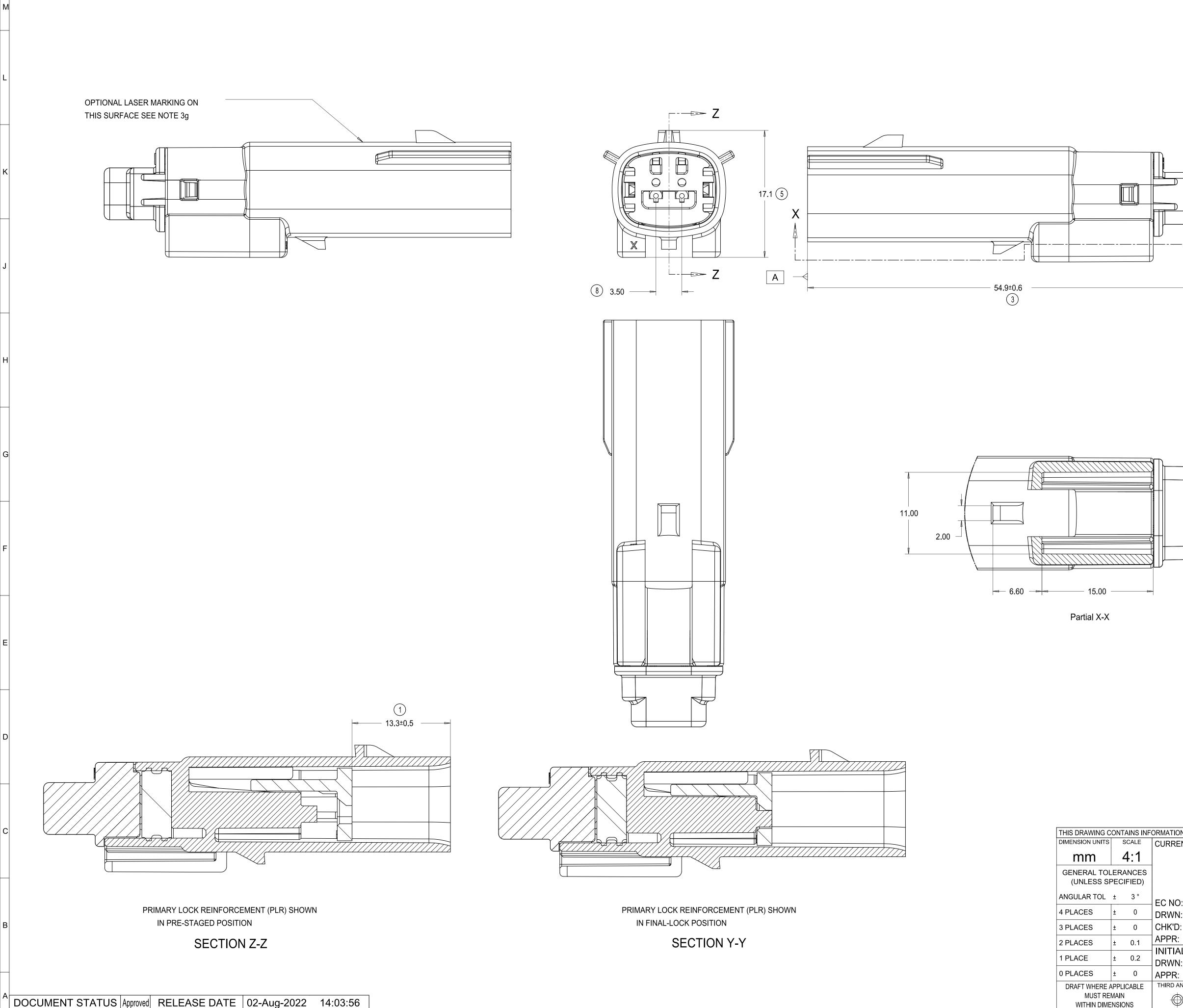






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# **KEY CONFIGURATIONS**



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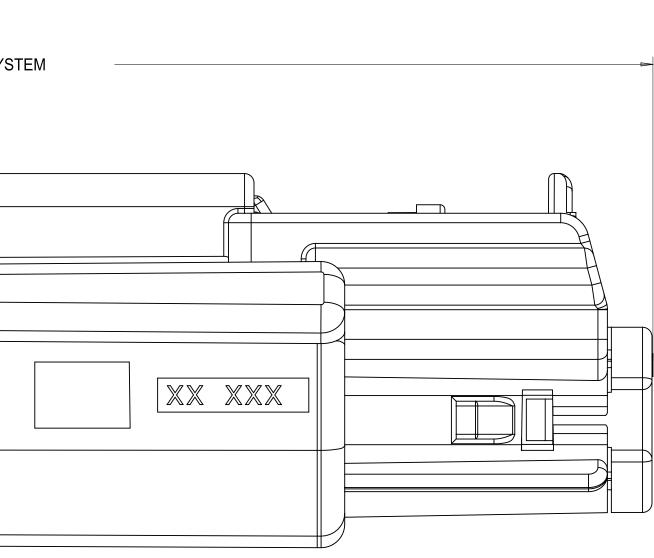
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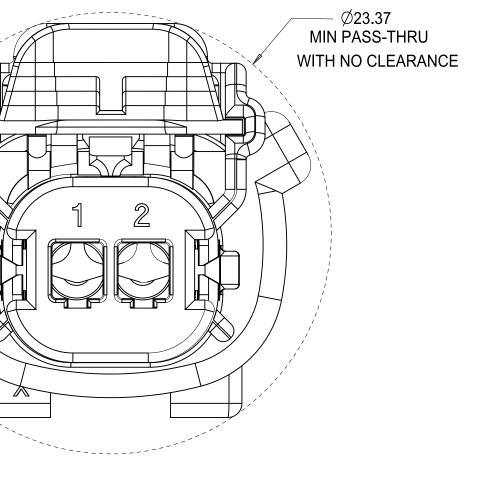
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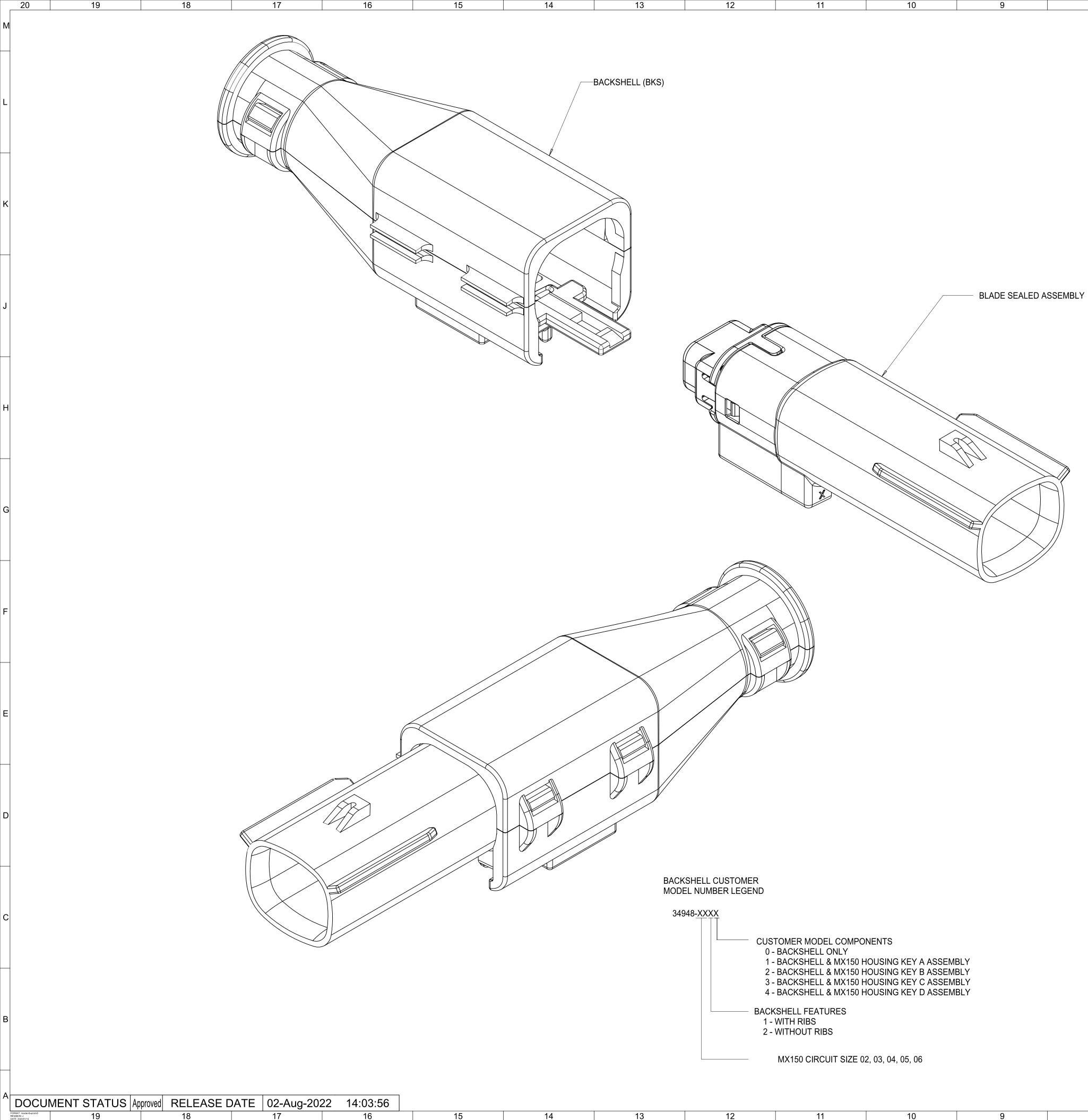
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CUSTOMER MODEL COMPONENTS 0 - BACKSHELL ONLY 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY BACKSHELL FEATURES 1 - WITH RIBS 2 - WITHOUT RIBS	
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### BACKSHELL NOTES

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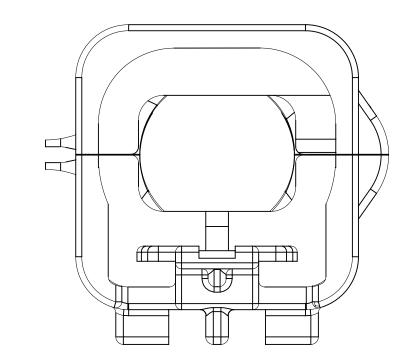
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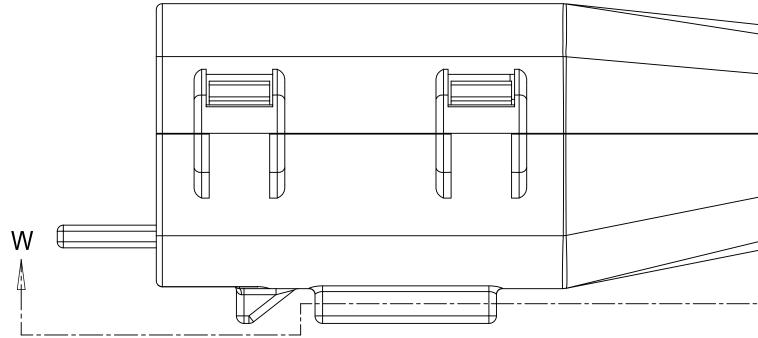
 APPLICATION SPECIFICATION SEE: AS-34951-001
 DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-021.
 SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
 COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
 BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
 FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34948-0001.

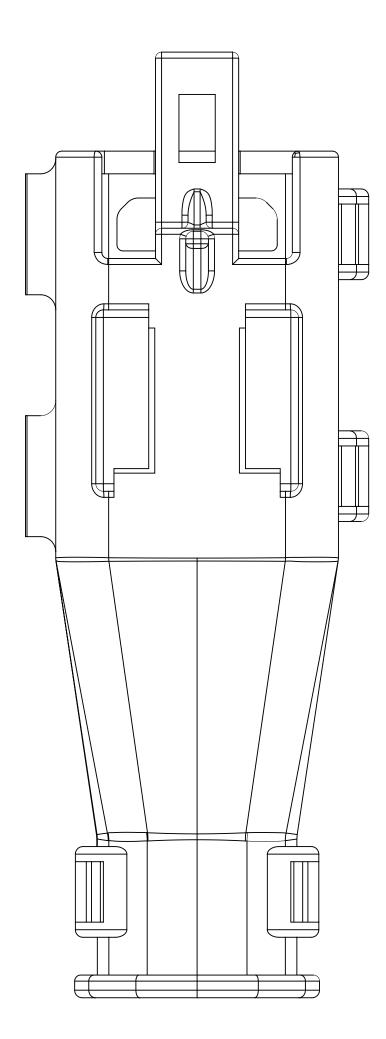
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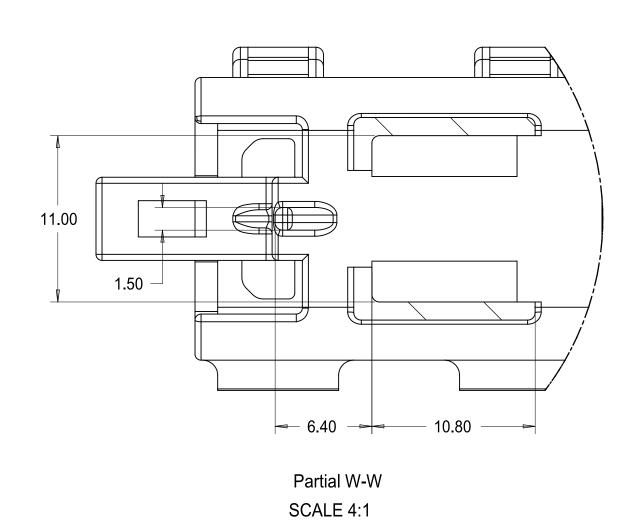
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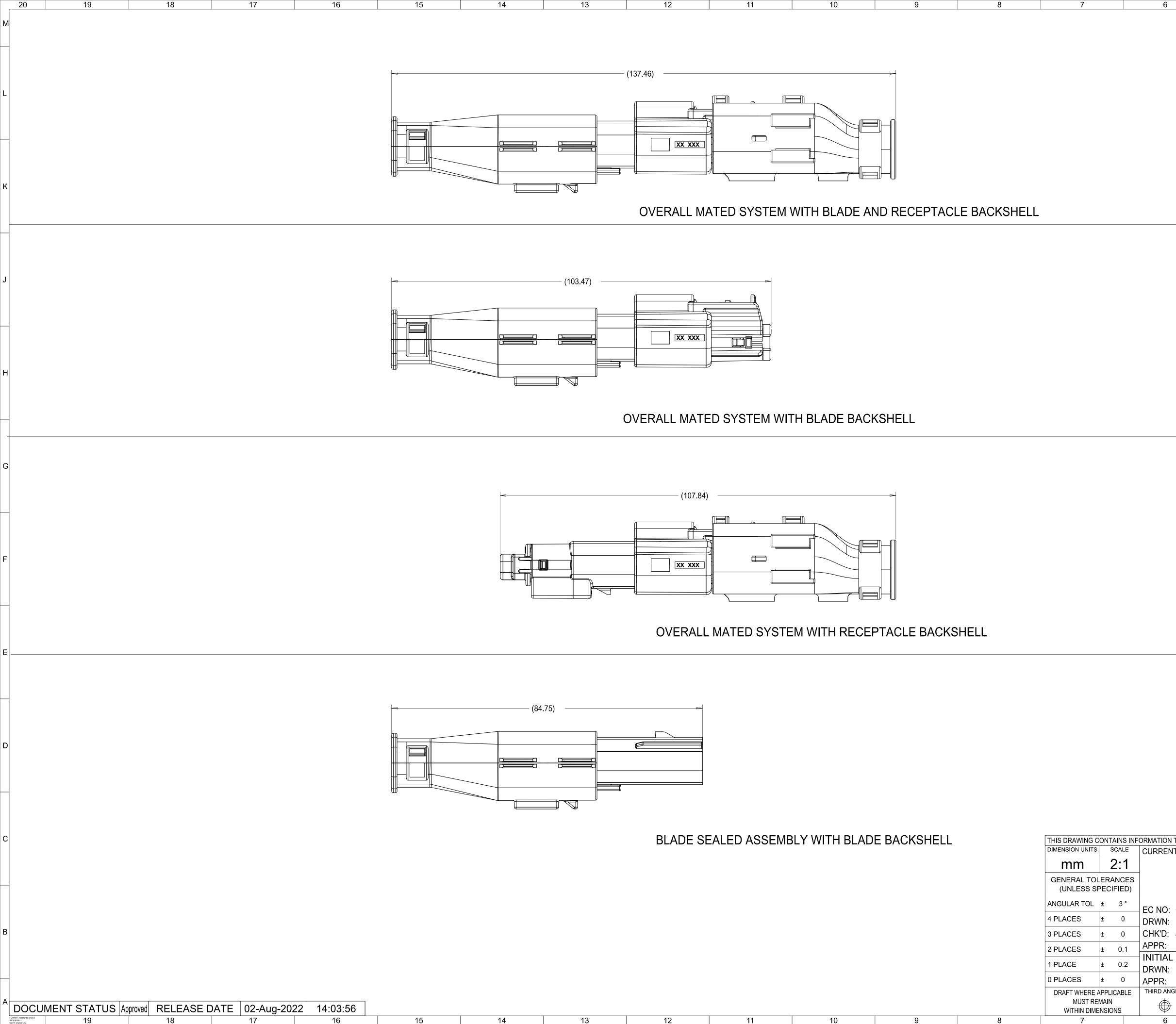




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KEY A, YELLOW	33481-0210					A GCO					OBSOLETE		34948-0210	34948-0220
KEY A, BLACK	33481-0209	A						GCP2		2	OBSOLETE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-0208				D		GCP		1	2	OBSOLETE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-0207			С			GCP		1	2	OBSOLETE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-0206		В				GCP		1	2	OBSOLETE		34948-0210	34948-0220
KEY A, BLACK	33481-0205	A					GCP		1	2	OBSOLETE		34948-0210	34948-0220
KEY D, STONE GRAY	33481-0204				D	GCO					OBSOLETE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-0203			С		GCO					OBSOLETE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-0202		В			GCO					OBSOLETE		34948-0210	34948-0220
KEY A, BLACK	33481-0201	A				GCO					OBSOLETE		34948-0210	34948-0220
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LE	EGEND TABLE
ABREVIATION	COMPONENT
А	HOUSING KEY A
В	HOUSING KEY B
С	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP (OPEN)
GCP	GROMMET CAP (PLUGGED)
GCP2	GROMMET CAP (CAVITY 2 PLUGGED)
Р	PLR, STANDARD
М	MAT SEAL
BKS	BACKSHELL

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N THAT IS PR	ROPRIE	ETARY TO MOLEX	ELECTRONIC TEC	HNOLOGIES,	LLC AND SHC	OULD NOT BE U	JSED WIT	HOUT WRI	TTEN PE	RMISSION	1 C
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): CO-0000 I: MattYou I: Joe Fox		28	21-Jul-2022 01-Aug-2022			MX150 1X D ASSEM			AL		В
Katy Bor	usze	wski	02-Aug-2022		PRO	DUCT SAL	ES DF	RAWING	6		
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NGLE PROJEC	TION	DRAWING	SERIES	MATERIAL NU	MBER	CUSTOMER			SHEET	NUMBER	
		D-SIZE	33481	SEE	вом	GENER	AL MAI	RKET	8	OF 9	A
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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			C	>		GCP		1	2	SALEABLE		34948-0210	34948-0220
KEY C, DARK GRAY	33481-2207		(	С			GCP		1	2	SALEABLE		34948-0210	34948-0220
KEY B, LIGHT GRAY	33481-2206	E	3				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		(	С		GCO					SALEABLE		34948-0210	34948-022
KEY B, LIGHT GRAY	33481-2202	E	3			GCO					SALEABLE		34948-0210	34948-022
KEY A, BLACK	33481-2201	A				GCO					SALEABLE		34948-0210	34948-022
	ASSEMBLY	AE	3 (	C D	) /	A GCO	GCP	GCP2	1	2	STATUS	COMMENTS	BACKSHELL	BACKSHELL
ASSEMBLY	PART								BLOCKED	TERMINAL	514105	COMMENTO	WITH RIBS	WITHOUT RIE
DESCRIPTION	NUMBERS								CAVITY WI	TH A NUMBER IND	DICATES BLOCKED TERMINAL F	POSITION	OPTIONAL AT	TACHMENTS
									CAVITY WI	THOUT A NUMBER	R INDICATES OPEN TERMINAL	POSITION	SOLD SEPA	RATELY
										MA	SEAL	GREEN	INHERENTLY LUBRICA	ATED SILICONE
										Р	LR	NATURAL	SPS/NYLON	GF20
									C	GROMMET CAP	(CAVITY 2 PLUGGED)	BLACK	SPS/NYLON	GF20
										GROMMET O	CAP (PLUGGED)	BLACK	SPS/NYLON	GF20
										GROMMET	CAP (OPEN)	BLACK	SPS/NYLON	GF20
										HOUSING - KE	YING OPTION A	YELLOW	SPS/NYLON	GF20
										HOUSING - KE	YING OPTION D	STONE GRAY	SPS/NYLON	GF20
				<u> </u>						HOUSING - KE	YING OPTION C	DARK GRAY	SPS/NYLON	GF20
										HOUSING - KE	YING OPTION B	LIGHT GRAY	SPS/NYLON	GF20
										HOUSING - KE	YING OPTION A	BLACK	SPS/NYLON	GF20
										DESC	RIPTION	COLOR	MATERI	AL

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BOM/APPLICABLE COMPONENTS TABLE

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GENERAL TOL (UNLESS SF				
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IO: CO-00000 <sup>7</sup> /N: MattYoung		21-Jul-2022			MX150 1X ED ASSEM			۹L		— B
'D: Joe Fox R: Katy Borus	zewski	01-Aug-2022 02-Aug-2022		PRO	DUCT SAL	ES DF	RAWINC	3		– D
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ANGLE PROJECTIC	N DRAWING	SERIES	MATERIAL NU	IMBER	CUSTOMER			SHEE	T NUMBER	
	D-SIZE	33481	SEE	BOM	GENER	AL MA	RKET	9	OF 9	A
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### BOM SHEET 2

	TABLE OF CONTENTS					
5 A	SHEET NO. SHEET DESCRIPTION		BILL	OF MATERIALS (B	OM)	
	Z CONFIGURATIONS		CIRCUIT SIZE		STATUS	MATING ASSEMBLY DRAWING
	3 BACKSHELL DETAIL	34948-0210	1X2			SD-33481-021
		34948-0220	1X2	NO S/	ALEABLE	SD-33481-021
	BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED					
1X2 BLADE	1. GENERAL:					
	a. APPLICATION SPECIFICATION SEE: AS-34951-001					
	-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY					
	AS SPECIFIED IN BOM					
	-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY					
	-BACKSHELL DESIGN IS OWNED BY SCHLEMMER b. PRODUCT SPECIFICATION					
	-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.					
	c. PACKAGING SPECIFICATION SEE PK-31302-118					
	d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR					
	PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300					
	e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS					
	(COMPANY ID#13255)					
	f. FOLLOWING PRODUCTION CODES TO BE PRESENT -DATE CODE					
	-MOLD CAVITY CODE					
	-MOLEX LOGO					
	-RECYCLE CODE					
	-SUPPLIER PART NUMBER					
	2. DESIGN - MATERIALS:					
	a. PA66 0% GLASS FILLED				[]	
	b. BLACK				A3 MIG A2	RATED TO NX & ADDED BALLLOON NUMI UPDATED BILL OF MATERIALS
	3. DESIGN GEOMETRY:				A1 A	UPDATED STATUS COLUMN INITIAL RELEASE
	a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA					DESCRIPTION
	IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION			FORMATION THAT IS PROPRIETARY	TED TO NX	IC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN F
	NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.			-		molex
	b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009		0 GENERAL TOLERANCES (UNLESS SPECIFIED)			
	c. CORNERS SHOWN AS SHARP TO BE R 0.1.		ANGULAR TOL ± 1.0 °	EC NO: 636032		MX150 BLADE SINGLE ROW BACKSHELL
	d. VISUAL DEFECTS SHALL MEET COSMETEIC STANDARD PS-45499-002 (CLAS	• = ):	0 4 PLACES ±	DRWN: VRAMAKANTALA CHK'D: MVANSLAMBROU	2020/0 2020/0	4/15
	e. DRAFT OF 2° PRESENT.		VAL 3 PLACES ± LS 2 PLACES ± 0.13	APPR: MVANSLAMBROU	2020/0	4/17 PRODUCT CUSTOMER DRAWING
	f. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND	GAIE	1 PLACE ± 0.25	- INITIAL REVISION: DRWN: KCUNNINGHAM	2013/0	6/10 CD 24040 0004 DOD 00
	VESTIGE TO BE +0.30 MAX PROTUSION.		0 PLACES ±		2013/0	6/11 <b>3D-34940-0001</b> PSD 00

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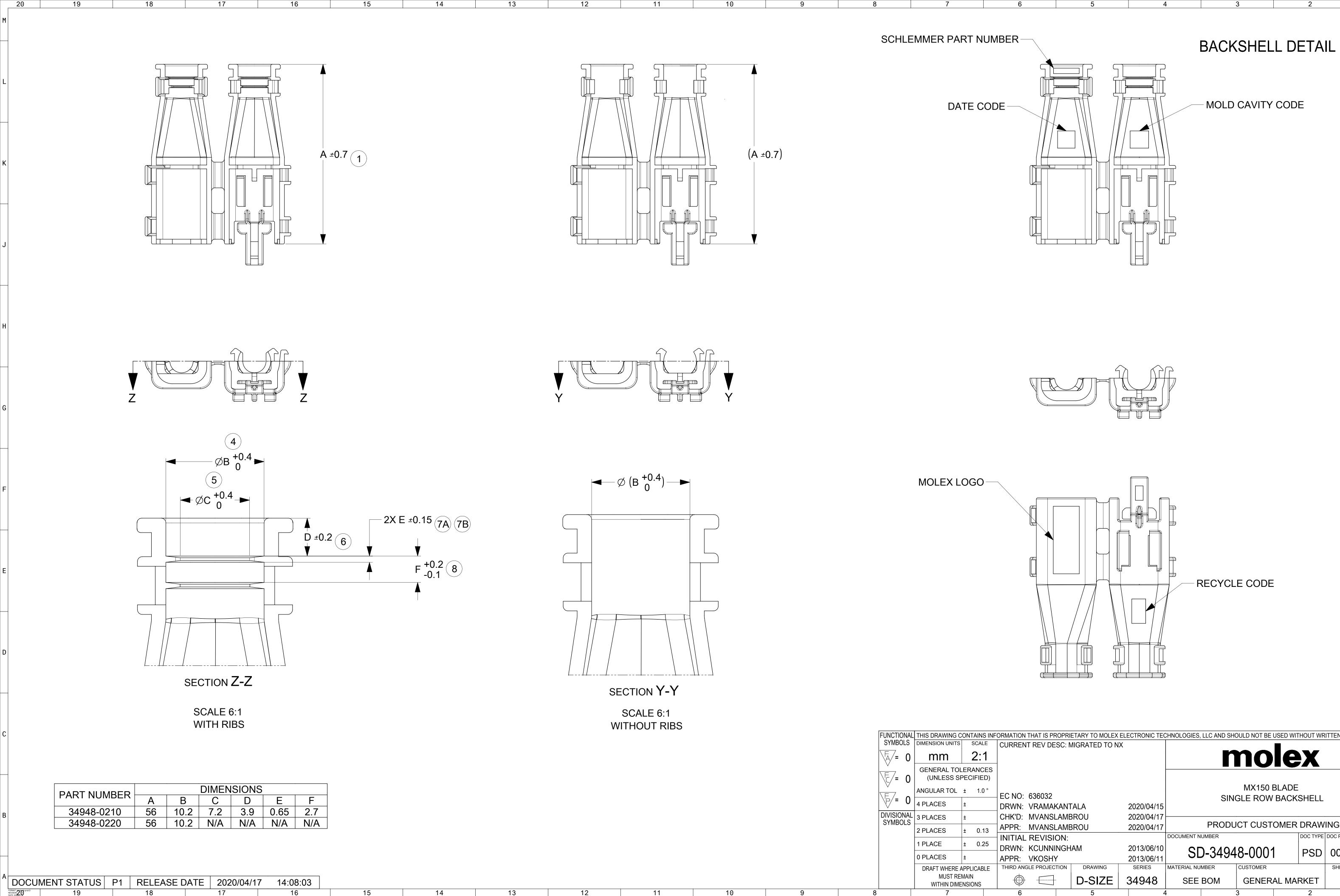
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DIVISIONAL SYMBOLS	3 PLACES	±		CHK'D:	MVANSLA	MBROU		2020/04/17								В
STINDULS	2 PLACES	±	0.13	APPR:	MVANSLA	MBROU		2020/04/17			CT CUST	OMER				
	1 PLACE	±	0.25		REVISION				DOCUMENT N	UMBER			DOC TYPE	DOC PART	REVISION	
			0.20		KCUNNING	GHAM		2013/06/10	SL	)-3494	8-0001	[	PSD	001	A3	
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