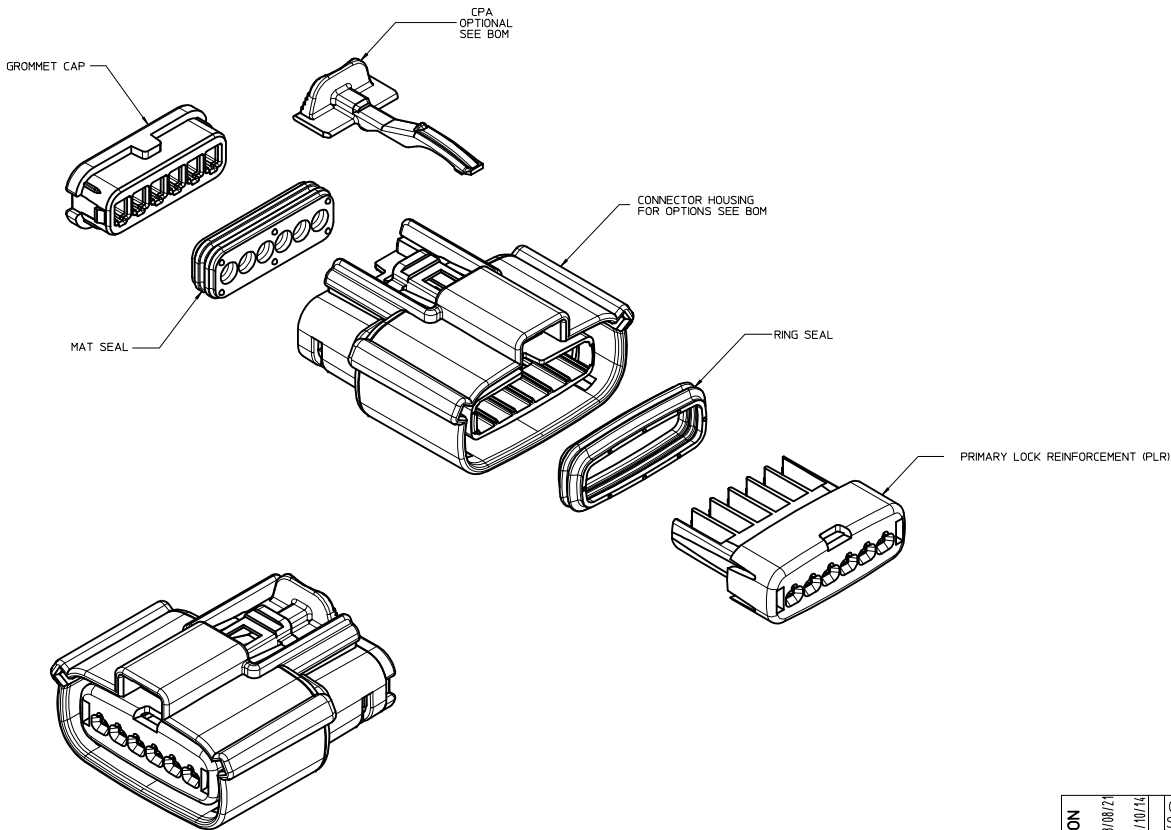


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BOM

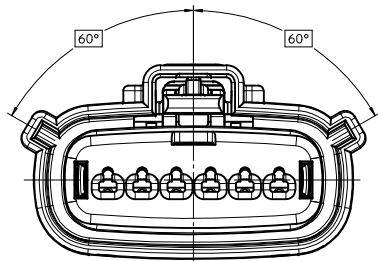


NOTES: VALID UNLESS OTHERWISE SPECIFIED

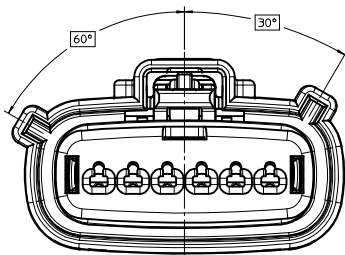
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-006-1-Z03, AVAILABLE AT <<http://ewcap.uscarcorp.com>>
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-061
 - FOR 15mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33012-002.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2 mm TO 2.69 mm.
 - ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION Z-2 PRE-LOCK).
 - 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/J593-2 REV.4 WITH THE FOLLOWING EXCEPTIONS:
 - ENGAGEMENT FORCE TO MOVE CPA FROM PRE-LOCK TO FINAL LOCK POSITION WHEN UNMATED: 40N MIN.
 - DISENGAGEMENT FORCE TO MOVE CPA FROM FINAL LOCK TO PRE-LOCK POSITION: 3N MIN. 40N MAX
 - 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, AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-903
- 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#1255)
2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- b. CPA: PBT 20% GLASS FILLED
- c. MAT SEAL AND RING SEAL: INHERENTLY 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: 5
ADDED:
REMOVED:

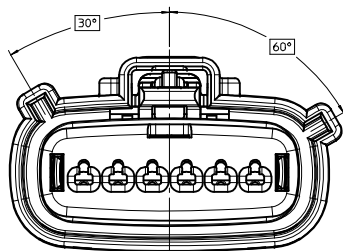
ENTER DESCRIPTION EC NO: UAU2014-0589 33 DRAWN BY CHKD: APPR: WOSHY REV DESCRIPTION 2013/08/21 2013/10/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	DOCUMENT NO.	SHEET NO.
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES $\pm$ 0.10 $\pm$ --- 1 PLACE $\pm$ 0.3 $\pm$ --- 0 PLACE $\pm$ $\pm$	MM ONLY DRAWN BY DATE DGR1FF1THS 06-03-03 CHECKED BY DATE DGR1FF1THS 06-03-03 APPROVED BY DATE DGR1FF1THS 06-03-03	3:1	METRIC		MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL	SD-33471-061	1 OF 4
	molex								
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



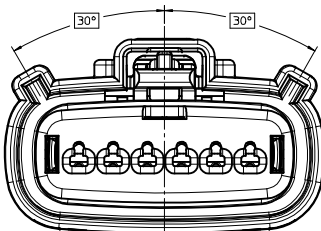
KEY A



KEY B



KEY C



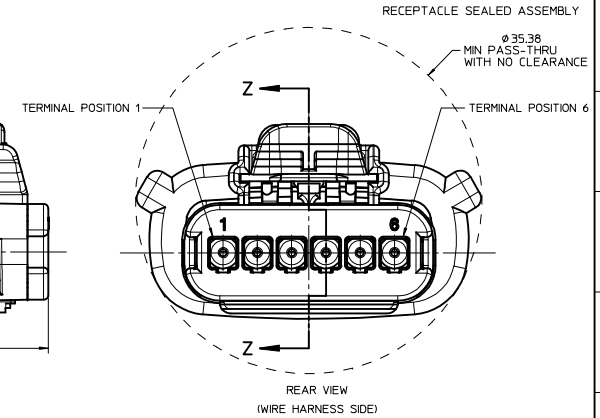
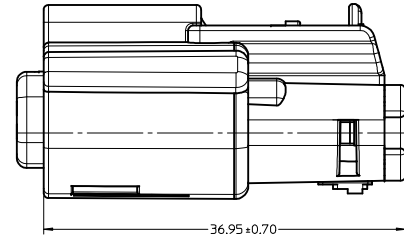
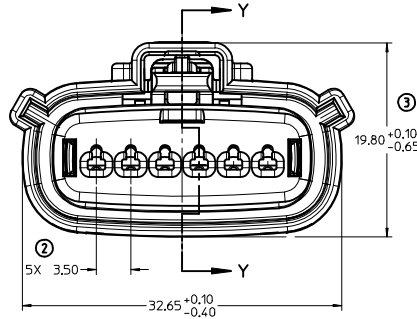
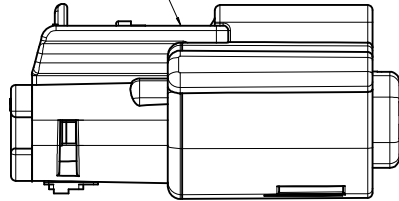
KEY D

KEY CONFIGURATIONS

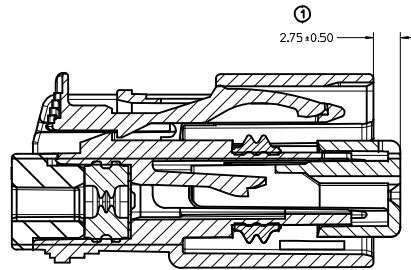
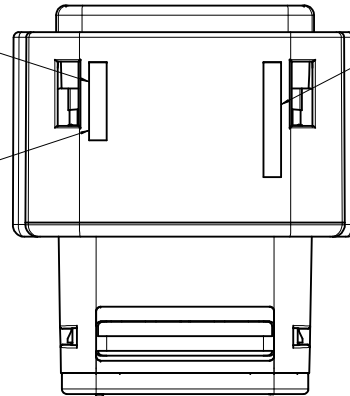
ENTER DESCRIPTION EC NO: UAU2014-0589 DRAWN BY: 53 CHKD: 53 APPR: WOSHY REV DESCRIPTION 2013/08/21 2013/10/14	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	$\nabla=0$		mm		INCH		DRAWN BY DGRIFITHS		
	$\nabla=0$		4 PLACES $\pm$ ---		DATE 06-03-03		CHECKED BY DGRIFITHS		
	$\nabla=0$		3 PLACES $\pm$ ---		DATE 06-03-03		APPROVED BY DGRIFITHS		
	$\nabla=0$		2 PLACES $\pm$ 0.10		DATE 06-03-03		MATERIAL NO. SEE BOM		
	$\nabla=0$		1 PLACE $\pm$ 0.3		DATE 06-03-03		DOCUMENT NO. SD-33471-061		
	$\nabla=0$		0 PLACE $\pm$		DATE 06-03-03		SHEET NO. 2 OF 4		
	$\nabla=0$		ANGULAR $\pm$ 3 °		DATE 06-03-03		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	$\nabla=0$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DATE 06-03-03				
	$\nabla=0$				SIZE D				

MX150 1X6 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL
molex

LASER MARKING THIS SURFACE
SEE NOTE 3g.

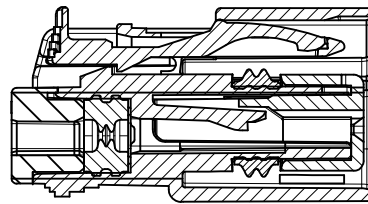


MOLD CAVITY CODE
LOCATION CODE
RECYCLE CODE



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

SECTION Z-Z



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

SECTION Y-Y

ENTER DESCRIPTION IEC NO: UAU2014-0589 2013/08/21 DRAWN BY: 53 CHKD: APPR: WOSHY REV: 1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					DRAWN BY	DATE	TITLE MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex		
					CHECKED BY	DATE			
					APPROVED BY	DATE			
					DGRFF1THS	06-03-03			
					DGRFF1THS	06-03-03	DOCUMENT NO. SD-33471-061		
					MATERIAL NO.				
					SEE BOM				
		ANGULAR ± 3 °			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 3 OF 4		
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						CPA	STATUS	COMMENTS
			1	2	3	4	5	6			
33471-0601	BLACK	A							-	SALEABLE	
33471-0602	LT. GRAY	B							-		
33471-0603	BROWN	C							-	NOT RECOMMENDED	SEE P/N 33471-0659
33471-0604	GREEN	D							-	NOT RECOMMENDED	SEE P/N 33471-0660
33471-0605	YELLOW	A							-	SALEABLE	
33471-0606	BLACK	A							YES	SALEABLE	
33471-0607	LT. GRAY	B							YES		
33471-0608	BROWN	C							YES	NOT RECOMMENDED	SEE P/N 33471-0661
33471-0609	GREEN	D							YES	NOT RECOMMENDED	SEE P/N 33471-0662
33471-0610	YELLOW	A							YES	SALEABLE	
33471-0611	BLACK	A						X	-	SALEABLE	
33471-0612	LT. GRAY	B						X	-		
33471-0613	BROWN	C						X	-	NOT RECOMMENDED	SEE P/N 33471-0663
33471-0614	GREEN	D						X	-	NOT RECOMMENDED	SEE P/N 33471-0664
33471-0615	YELLOW	A						X	-	SALEABLE	
33471-0616	BLACK	A						X	YES	SALEABLE	
33471-0617	LT. GRAY	B						X	YES		
33471-0618	BROWN	C						X	YES	NOT RECOMMENDED	SEE P/N 33471-0665
33471-0619	GREEN	D						X	YES	NOT RECOMMENDED	SEE P/N 33471-0666
33471-0620	YELLOW	A						X	YES	SALEABLE	
33471-0621	BLACK	A	X					X	-	SALEABLE	
33471-0622	LT. GRAY	B	X					X	-		
33471-0623	BROWN	C	X					X	-	NOT RECOMMENDED	SEE P/N 33471-0667
33471-0624	GREEN	D	X					X	-	NOT RECOMMENDED	SEE P/N 33471-0668
33471-0625	YELLOW	A	X					X	-	SALEABLE	
33471-0626	BLACK	A	X					X	YES	SALEABLE	
33471-0627	LT. GRAY	B	X					X	YES		
33471-0628	BROWN	C	X					X	YES	NOT RECOMMENDED	SEE P/N 33471-0669
33471-0629	GREEN	D	X					X	YES	NOT RECOMMENDED	SEE P/N 33471-0670
33471-0630	YELLOW	A	X					X	YES	SALEABLE	
33471-0631	BLACK	A	X	X	X	X	X	X	-	SALEABLE	
33471-0632	LT. GRAY	B	X	X	X	X	X	X	-		
33471-0633	BROWN	C	X	X	X	X	X	X	-	NOT RECOMMENDED	SEE P/N 33471-0671
33471-0634	GREEN	D	X	X	X	X	X	X	-	NOT RECOMMENDED	SEE P/N 33471-0672
33471-0635	YELLOW	A	X	X	X	X	X	X	-	SALEABLE	
33471-0650	BLACK	A						X	X	-	SALEABLE
33471-0651	BLACK	A	X	X	X	X	X	X	YES	SALEABLE	
33471-0652	BLACK	A				X			YES	SALEABLE	
33471-0653	BLACK	A			X				YES	SALEABLE	
33471-0654	BLACK	A			X				-	SALEABLE	
33471-0655	BLACK	A			X	X	X		-	SALEABLE	
33471-0656	BLACK	A					X		-	SALEABLE	
33471-0657	BLACK	A					X		-	SALEABLE	
33471-0658	BLACK	A	X	X	X	X			-	SALEABLE	
33471-0659	DK.GRAY	C							-	SALEABLE	
33471-0660	ST.GRAY	D							-	SALEABLE	
33471-0661	DK.GRAY	C							YES	SALEABLE	
33471-0662	ST.GRAY	D							YES	SALEABLE	
33471-0663	DK.GRAY	C						X	-	SALEABLE	
33471-0664	ST.GRAY	D						X	-	SALEABLE	
33471-0665	DK.GRAY	C						X	YES	SALEABLE	
33471-0666	ST.GRAY	D						X	YES	SALEABLE	
33471-0667	DK.GRAY	C	X					X	-	SALEABLE	
33471-0668	ST.GRAY	D	X					X	-	SALEABLE	
33471-0669	DK.GRAY	C	X					X	YES	SALEABLE	
33471-0670	ST.GRAY	D	X					X	YES	SALEABLE	
33471-0671	DK.GRAY	C	X	X	X	X	X	X	-	SALEABLE	
33471-0672	ST.GRAY	D	X	X	X	X	X	X	-	SALEABLE	

ENTER DESCRIPTION
EC NO: UAU2014-0589
33
DRAWN BY
CHKD:
APPR: WKSHY
2013/10/14
REV
DESCRIPTION

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 DATE
DGR1FF1THS 06-03-03
CHECKED BY DATE
DGR1FF1THS 06-03-03
APPROVED BY DATE
DGR1FF1THS 06-03-03
MATERIAL NO.
SEE BOM

SCALE
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

TITLE
MX150 1X6 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL
molex

DOCUMENT NO.
SD-33471-061
SHEET NO.
4 OF 4

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