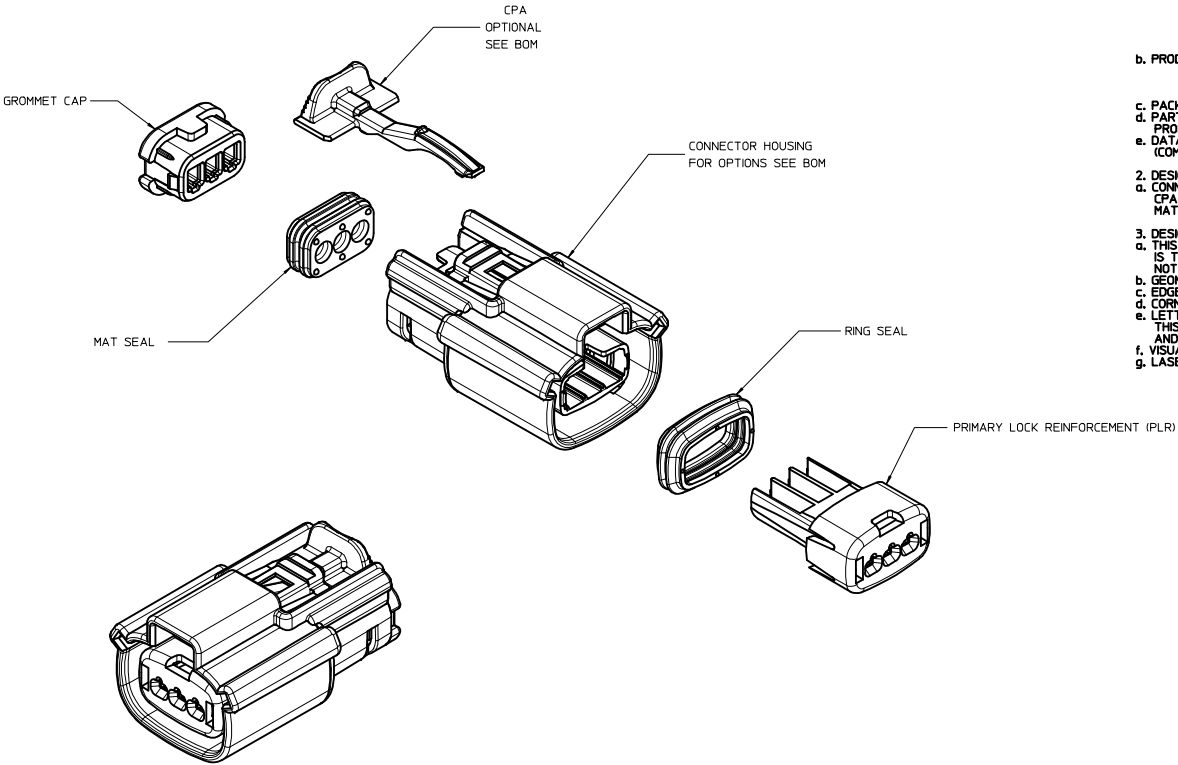


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BOM



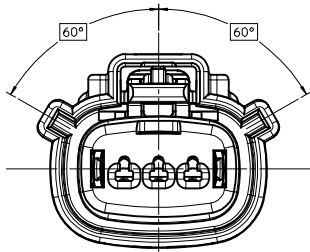
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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-003-1-Z05, AVAILABLE AT <<http://ewcap.uscorteam.org/>>.
-DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-031
-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-Z 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/USCAR-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, 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 BLEND 20% GLASS FILLED
CPA: PBT 20% GLASS FILLED
MAT SEAL, 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 ISO1975
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

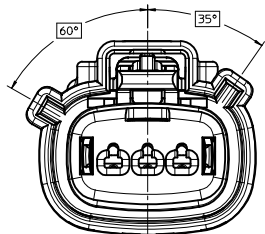
INSPECTION NUMBER LOG
LAST NUMBER USED: 5
ADDED:
REMOVED:

ENTER DESCRIPTION EC NO: UAU2013-0423 DRAWN BY: KUNNINGHAM CHKD: CHYD APPR: WOSHY 2012/09/17 REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.1 ±--- 1 PLACE ±0.30 ±--- 0 PLACE ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: DMARCOUX CHECKED BY: DGRIFITHS APPROVED BY: FHOLUB DATE: 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex SD-33471-031	DOCUMENT NO.	SHEET NO. 1 OF 4			
							SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
							REV		
							DESCRIPTION		

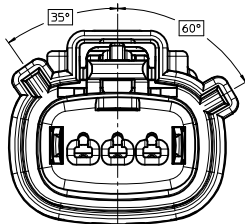
KEY CONFIGURATIONS



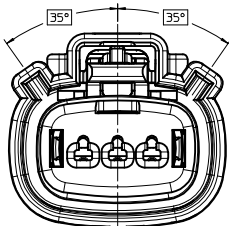
KEY A



KEY B



KEY C

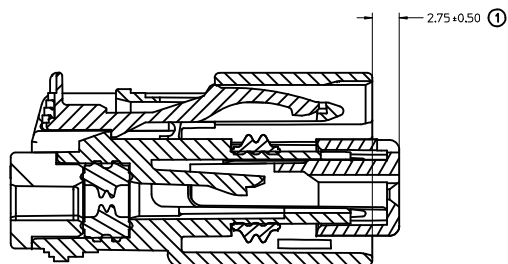
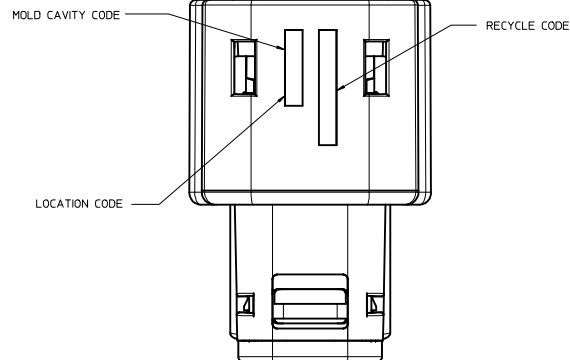
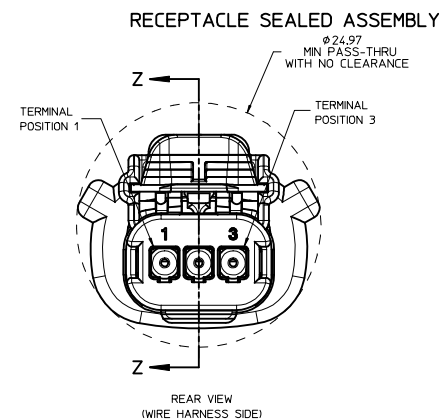
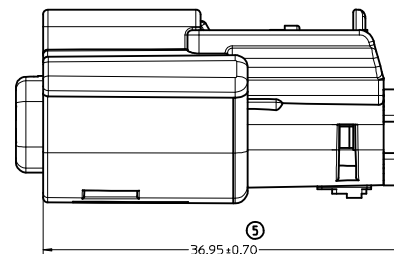
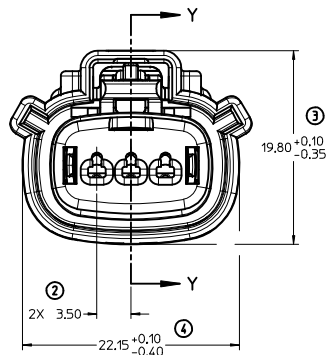
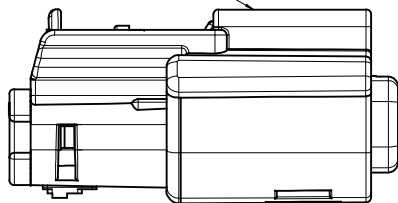


KEY D

ENTER DESCRIPTION EC NO. UAU2013-0423 DRAWN/CUNNINGHAM 2012/09/11 CHKD: APPR:WOSHY 2012/09/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
					CHECKED BY DGRIFTHS	DATE 6/18/2002			
					APPROVED BY FHOLUB	DATE 06/18/2002			
					MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33471-031		
Q1	REV	ANGULAR ± 3 °			SIZE		SHEET NO. 2 OF 4		
		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				

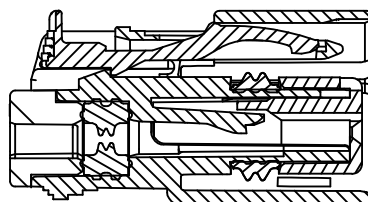
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



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: UAU2013-0423 DRAWN/CUNNINGHAM 2012/09/11 CHKD: APPR: WOSHY 2012/09/17 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 DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
		4 PLACES ±		---	---	CHECKED BY DGRIFITHS	DATE 6/18/2002				
		3 PLACES ±		---	---	APPROVED BY FHOLUB	DATE 06/18/2002				
				2 PLACES ±	0.1	---			MATERIAL NO. SEE BOM		
				1 PLACE ±	0.30	---					
				0 PLACE ±	---	---					
				ANGULAR ± 3 °						DOCUMENT NO. SD-33471-031	
				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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	ENTRY TYPE & STATUS X=PLANNED			CPA	STATUS
			1	2	3		
33471-0301	BLACK	A				-	SALEABLE
33471-0302	LT.GRAY	B				-	SALEABLE
33471-0303	BROWN	C				-	NOT RECOMMENDED--SEE P/N 33471-0343
33471-0304	GREEN	D				-	NOT RECOMMENDED--SEE P/N 33471-0344
33471-0305							VOIDED
33471-0306	BLACK	A				YES	SALEABLE
33471-0307	LT.GRAY	B				YES	SALEABLE
33471-0308	BROWN	C				YES	NOT RECOMMENDED--SEE P/N 33471-0345
33471-0309	GREEN	D				YES	NOT RECOMMENDED--SEE P/N 33471-0346
33471-0310							VOIDED
33471-0311	BLACK	A			X	-	SALEABLE
33471-0312	LT.GRAY	B			X	-	SALEABLE
33471-0313	BROWN	C			X	-	SALEABLE
33471-0314	GREEN	D			X	-	SALEABLE
33471-0315							VOIDED
33471-0316	BLACK	A			X	YES	SALEABLE
33471-0317	LT.GRAY	B			X	YES	SALEABLE
33471-0318	BROWN	C			X	YES	SALEABLE
33471-0319	GREEN	D			X	YES	SALEABLE
33471-0320							VOIDED
33471-0321	BLACK	A	X		X	-	SALEABLE
33471-0322	LT.GRAY	B	X		X	-	SALEABLE
33471-0323	BROWN	C	X		X	-	SALEABLE
33471-0324	GREEN	D	X		X	-	SALEABLE
33471-0325							VOIDED
33471-0326	BLACK	A	X		X	YES	SALEABLE
33471-0327	LT.GRAY	B	X		X	YES	SALEABLE
33471-0328	BROWN	C	X		X	YES	SALEABLE
33471-0329	GREEN	D	X		X	YES	SALEABLE
33471-0330							VOIDED
33471-0331	BLACK	A	X	X	X	-	SALEABLE
33471-0332	LT.GRAY	B	X	X	X	-	SALEABLE
33471-0333	BROWN	C	X	X	X	-	SALEABLE
33471-0334	GREEN	D	X	X	X	-	SALEABLE
33471-0335							VOIDED
33471-0336	BLACK	A		X		YES	SALEABLE
33471-0337	BLACK	A		X		-	SALEABLE
33471-0338	BLACK	A	X	X	X	YES	SALEABLE
33471-0339	BLACK	A	X			-	SALEABLE
33471-0340	DK.GRAY	C				YES	TOOLED BUT NOT VALIDATED
33471-0341	LT.GRAY	B		X		YES	SALEABLE
33471-0342	DK.GRAY	C		X		YES	TOOLED BUT NOT VALIDATED
33471-0343	DK.GRAY	C				-	TOOLED BUT NOT VALIDATED
33471-0344	ST.GRAY	D				-	TOOLED BUT NOT VALIDATED
33471-0345	DK.GRAY	C				YES	TOOLED BUT NOT VALIDATED
33471-0346	ST.GRAY	D				YES	TOOLED BUT NOT VALIDATED

*FOR ASSEMBLY P/N'S 33471-0340 AND 33471-0342 REFER TO SALEABLE KEY OPTION C ASSEMBLY P/N'S ABOVE

ENTER DESCRIPTION
IEC NO: UAU2013-0423
DRAWN/CUNNINGHAM 2012/09/11
CHKD:
APPR:W05HY
2012/09/17

REV
DESCRIPTION

QUALITY
SYMBOLS

▽=0
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

mmINCH

4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.30 ± ---
0 PLACE ± ±

ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY
DMARCOUX
DATE
06/18/2002

CHECKED BY
DGRIFFIGTHS
DATE
6/18/2002

APPROVED BY
FHOLUB
DATE
06/18/2002

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
MX150 1X3 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL

molex

MATERIAL NO.
SEE BOM

DOCUMENT NO.
SD-33471-031

SHEET NO.
4 OF 4

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