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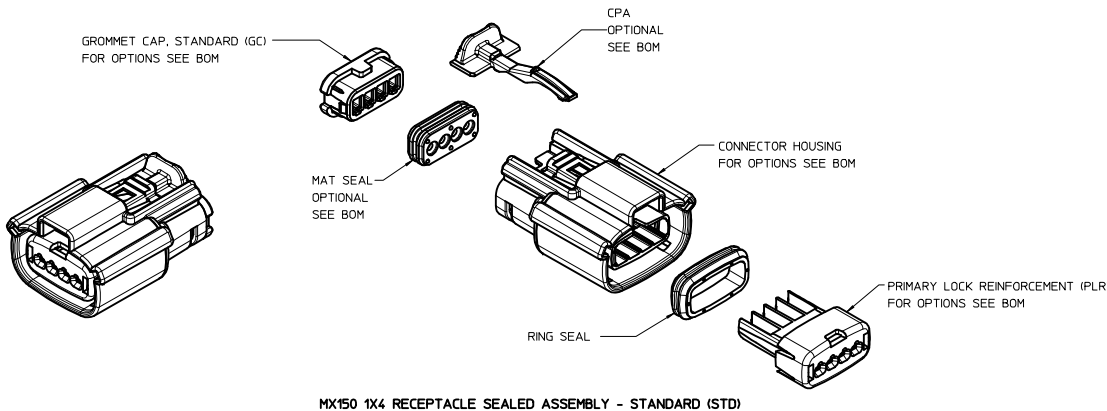
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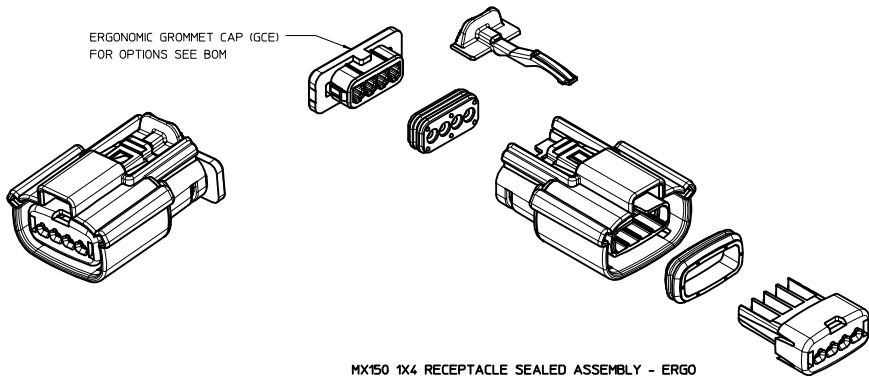
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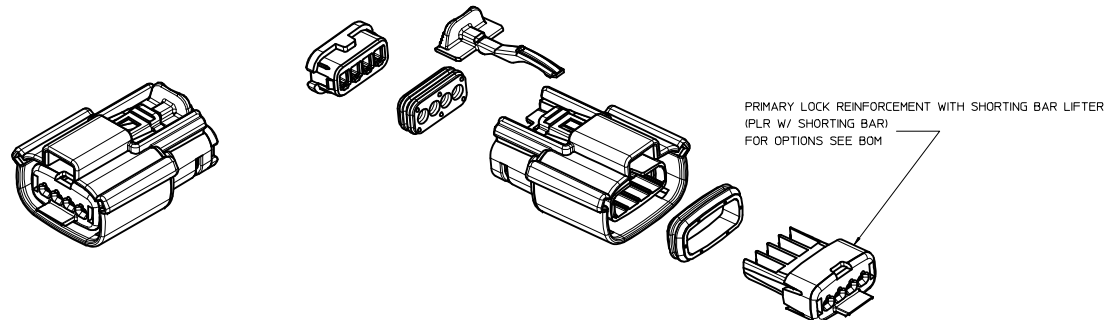
A



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - STANDARD (STD)



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - ERGO
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY



MX150 1X4 RECEPTACLE SEALED ASSEMBLY - SHORTING (SHRT) BAR
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY

TABLE OF CONTENTS

SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4-5	BOM

NOTES: VALID UNLESS OTHERWISE SPECIFIED

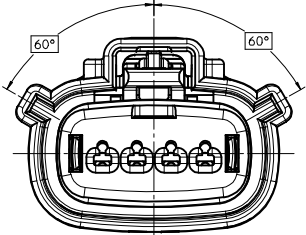
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - STANDARD (NON-SHRT) CONFIGURATIONS DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING SD-33481-041 AND EWCAP 150-S-004-1-203, AVAILABLE AT <http://ewcap.uscarteams.org/>
 - SHORTING BAR CONFIGURATIONS DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN DRAWING SD-31280-200
 - 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 1.2mm TO 2.69mm.
 - 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, 40N MAX.
 - 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 AND 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-31300-903
- 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#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 NUMBER LOG
LAST NUMBER USED: 5
ADDED:
REMOVED: 2

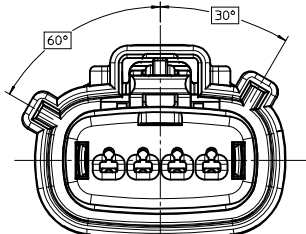
V5	CHANGE PART NUMBER STATUS
	ADD NEW P/N 33471-0470 33471-0471 33471-0472 33471-0473 33471-0474 33471-0475 33471-0476 33471-0477 33471-0478 33471-0479 33471-0480 33471-0481 33471-0482 33471-0483 33471-0484 33471-0485 33471-0486 33471-0487 33471-0488
V4	UPDATED VIEWSETS
REV	DESCRIPTION

ENTER DESCRIPTION IEC NO: UAU2014-0335 DRAWN BY: 2013/08/21 CHKD: 2013/10/21 APPR: VKOSHY V5	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.005 ±.0005 3 PLACES ±.010 ±.0025 2 PLACES ±.020 ±.0050 1 PLACE ±.030 ±.0075 0 PLACE ±.050 ±.0100	DIMENSION STYLE MM ONLY DRAWN BY DATE DGRIFITHS 2010/03/31 CHECKED BY DATE MDICK 2011/08/11 APPROVED BY DATE VKOSHY 2010/04/06	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL	DOCUMENT NO. SD-33471-041	SHEET NO. 1 OF 6

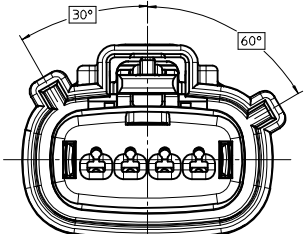
KEY CONFIGURATIONS



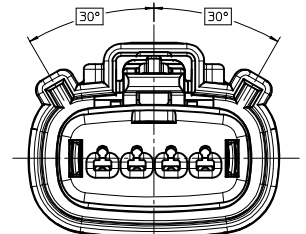
KEY A



KEY B



KEY C

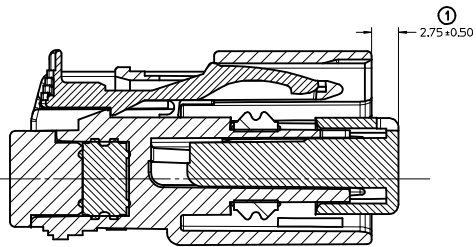
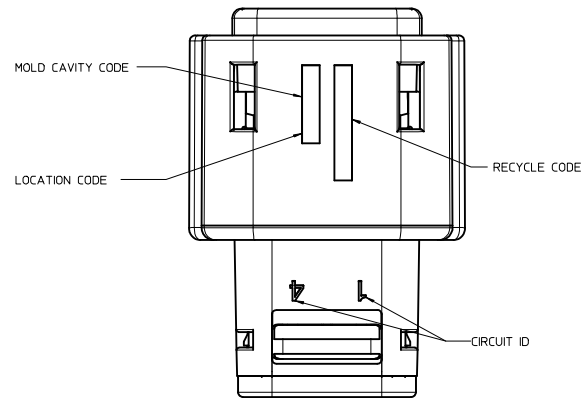
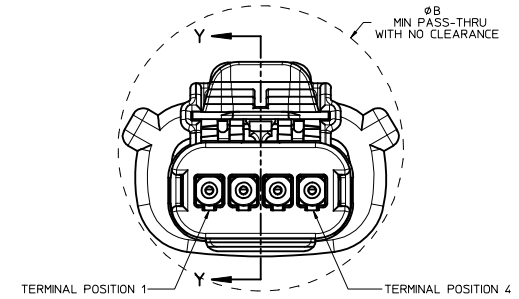
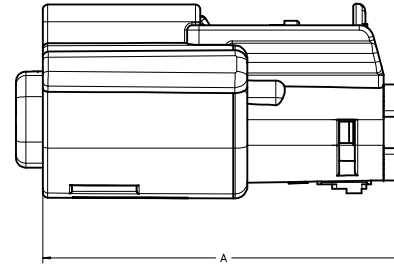
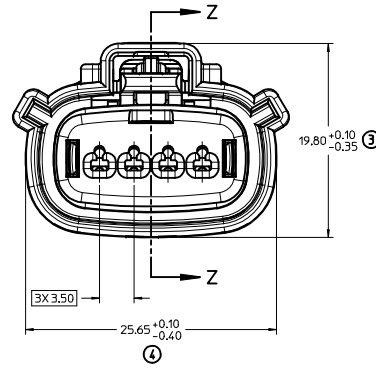
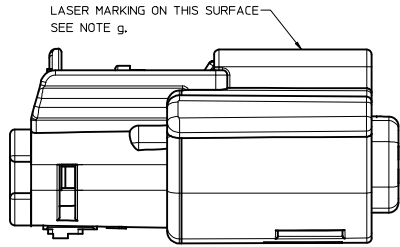


KEY D

ENTER DESCRIPTION EC NO. UAU2014-0335 DRAWN BY CHKD: V5 APPR: VKOSHY 2013/08/21 2013/10/21	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					DRAWN BY DATE DGRFF1THS 2010/03/31		TITLE MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33471-041	SHEET NO. 2 OF 6	
					CHECKED BY DATE MDICK 2011/08/11				
					APPROVED BY DATE VKOSHY 2010/04/06				
					MATERIAL NO.				
					SEE BOM				
					SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

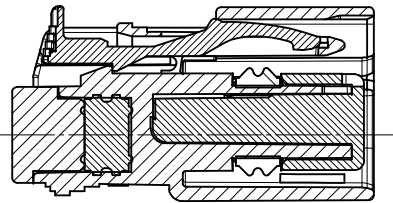
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

RECEPTACLE SEALED ASSEMBLY



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

SECTION Z-Z



SECTION Y-Y

CHARTED DIMENSIONS		
CONFIGURATION	A	B
MX150 1X4 RECPT SEALED ASSY - STANDARD	36.95 ± 0.70	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	36.95 ± 0.90	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	36.95 ± 0.70	29.14

ENTER DESCRIPTION EC NO: UAU2014-0335 DRAWN BY V5 CHKD: APPR: VKOSHY REV	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES $\pm$ ---</td><td>$\pm$ ---</td></tr><tr><td>3 PLACES $\pm$ ---</td><td>$\pm$ ---</td></tr><tr><td>2 PLACES ± 0.10</td><td>$\pm$ ---</td></tr><tr><td>1 PLACE ± 0.3</td><td>$\pm$ ---</td></tr><tr><td>0 PLACE $\pm$</td><td>$\pm$</td></tr></table> ANGULAR $\pm 3^\circ$ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	4 PLACES $\pm$ ---	$\pm$ ---	3 PLACES $\pm$ ---	$\pm$ ---	2 PLACES ± 0.10	$\pm$ ---	1 PLACE ± 0.3	$\pm$ ---	0 PLACE $\pm$	$\pm$	DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33471-041 SHEET NO. 3 OF 6	
			mm	INCH																	
			4 PLACES $\pm$ ---	$\pm$ ---																	
			3 PLACES $\pm$ ---	$\pm$ ---																	
			2 PLACES ± 0.10	$\pm$ ---																	
			1 PLACE ± 0.3	$\pm$ ---																	
			0 PLACE $\pm$	$\pm$																	
			DRAWN BY DGRIFITHS		DATE 2010/03/31																
			CHECKED BY MDICK		DATE 2011/08/11																
			APPROVED BY VKOSHY		DATE 2010/04/06																
MATERIAL NO. SEE BOM		DATE																			
SIZE D		DATE																			
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

