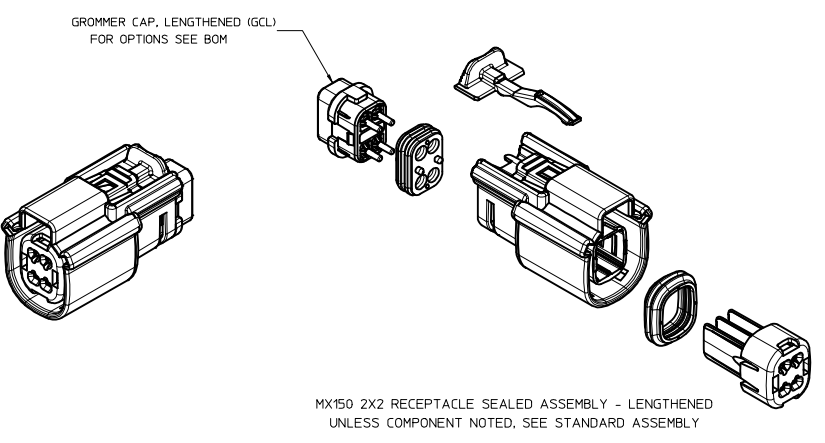
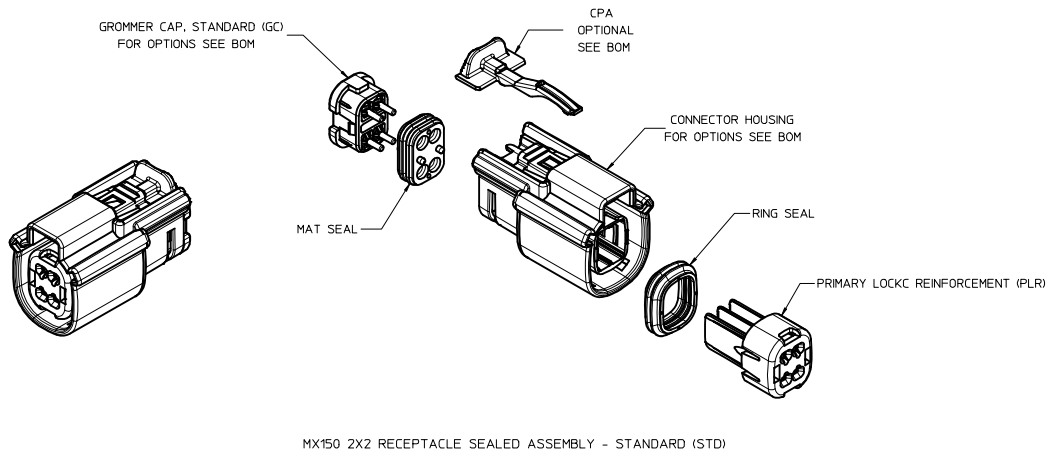


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

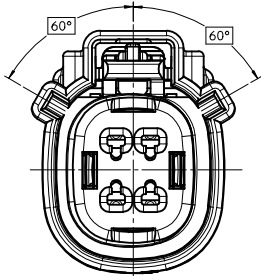
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-004-2-Z02, AVAILABLE AT http://ewcap.uscorteam.org/
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33482-041
 - 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 1.4 mm TO 2.69 mm.
 - ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION 2-2, 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/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. PLR INSERTION FROM PRE-LOCK TO FINAL LOCK WITH TERMINALS SHALL NOT EXCEED 90N. PLR REMOVAL FROM FINAL LOCK TO PRE-LOCK POSITION SHALL NOT EXCEED 90N.
 - b. PRODUCT SPECIFICATION SEE: PS-33472-000
 - 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 MDS (COMPANY ID#13255)
2. DESIGN - MATERIALS:
- a. HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND, 20% GLASS FILLED
 - b. RING SEAL, MAT SEAL: INHERENTLY LUBRICATED SILICONE
 - c. CPA: PBT, 20% GLASS FILLED
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:
 ADDED:
 REMOVED:

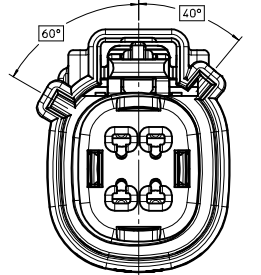
REV	DESCRIPTION
U	UPDATED STATUS AND COMMENTS COLUMNS
T7	FIX TYPO ON RING SEAL COLOR
T6	UPDATE 33472-4405 THRU 33472-4412 CAP
T5	ADD NEW P/N 33472-0455 33472-0456
T4	UPDATE THE BOM TO THE LATEST TEMPLATE
T3	ADD NEW P/N 33472-0454
T2	ADD NEW P/N 33472-0453
T1	UPDATED NOTES
T	REDRAWN

ENTER DESCRIPTION EIC NO: UAU2016-0465 DRAWN BY: MVANS CHECKED BY: DGR APPROVED BY: SMARCEAU DATE: 2015/10/06 DATE: 2015/10/06 DATE: 2015/10/07	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ±.004 3 PLACES ±.005 2 PLACES ±.010 1 PLACE ±.03 0 PLACE ±	DRAWN BY: MVANS CHECKED BY: DGR APPROVED BY: SMARCEAU DATE: 05-03-06 DATE: 06-22-06 DATE: 06-22-06	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33472-041	SHEET NO. 1 OF 5
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	TITLE MX150 2X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

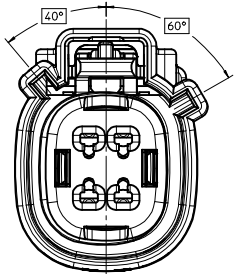
KEY CONFIGURATIONS



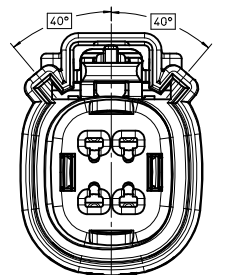
KEY A



KEY B



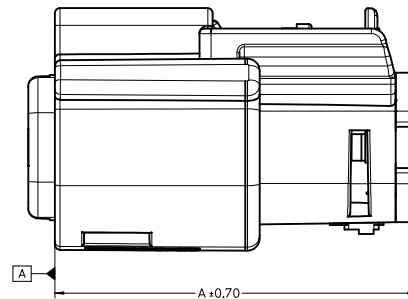
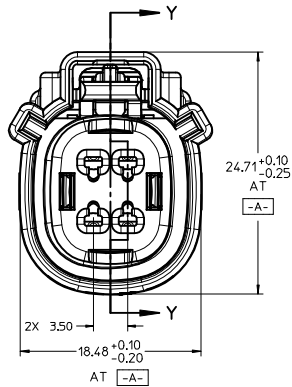
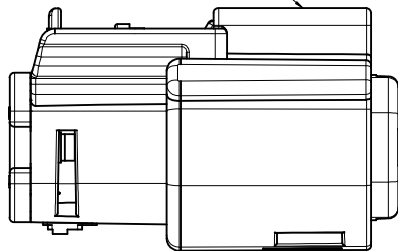
KEY C



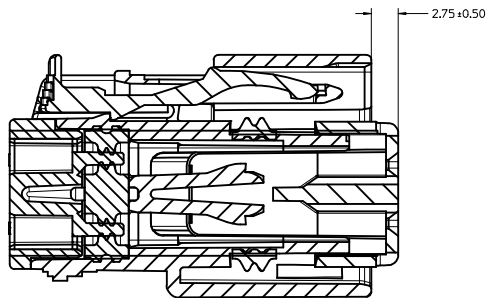
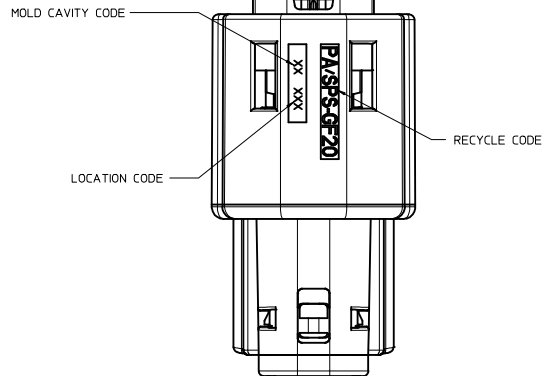
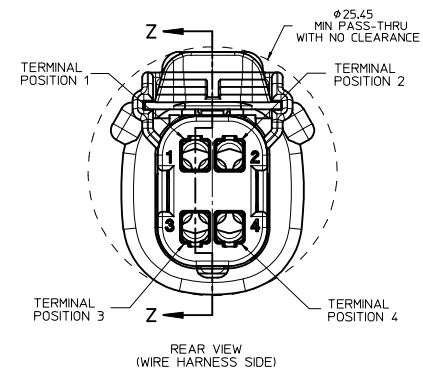
KEY D

ENTER DESCRIPTION IEC NO: UAU2016-0465 DRAWN: PROFFITT 2015/10/06 CHKD: BORUSZENSKI 2015/10/06 APPR: IKOSHY 2015/10/07	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 MYANSLAMBROU	DATE 05-03-06	TITLE MX150 2X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL	
		4 PLACES	+	---	CHECKED BY DGRIFITHS	DATE 06-22-06	MATERIAL NO. SEE BOM	
		3 PLACES	+	---	APPROVED BY SMARCEAU	DATE 06-22-06	DOCUMENT NO. SD-33472-041	SHEET NO. 2 OF 5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.

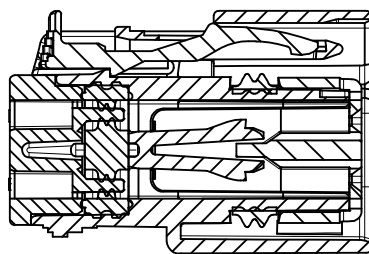


RECEPTACLE SEALED ASSEMBLY



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

SECTION Z-Z



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

SECTION Y-Y

CHARTED DIMENSIONS		
PART NUMBERS	CONFIGURATION	A
33472-0401 THRU 33472-0452	MX150 2X2 RECEPTACLE CONN - STANDARD	36.95
33472-4401 THRU 33472-4412	MX150 2X2 RECEPTACLE CONN - LENGTHENED	4155

ENTER DESCRIPTION IEC NO. UAU2016-0465 DRAWN BY: CHYKDOBUSZENSKI 2015/10/06 CHECKED BY: APPR:VKOSHY 2015/10/07	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ±	MM ONLY	4:1	METRIC	DRAWN BY: MYANSLAMBROU 05-03-06 CHECKED BY: DATE DGRAFFITHS 06-22-06 APPROVED BY: DATE SMARCEAU 06-22-06	TITLE MX150 2X2 RECEPTACLE SEALED ASSEMBLY MAT SEAL
	ANGLULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33472-041	SHEET NO. 3 OF 5			
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

