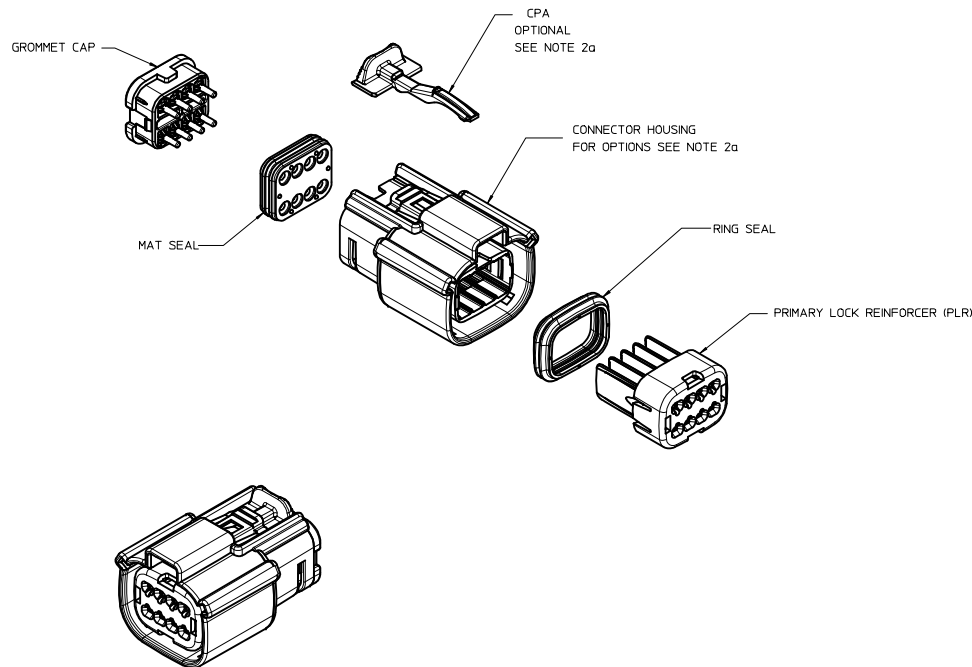



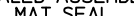
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATIONS



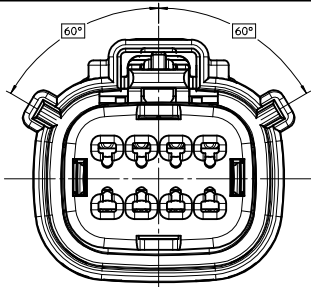
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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-008-2-Z02, AVAILABLE AT <<http://ewcap.uscarteams.org/>>.
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33482-081.
 - 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. 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 REMOVAL FROM FINAL LOCK TO PRE-LOCK POSITION SHALL NOT EXCEED 130 NEWTONS.
- 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-31300-903
- 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)
- f. FOR INFORMATION ON 2X4 RECEPTACLE SEALED ASSEMBLY WITH CLIPSLOT SEE SD-33472-091
2. DESIGN - MATERIALS:
- a. SEE BOM TABLE AS SPECIFIED IN SD-33472-082
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

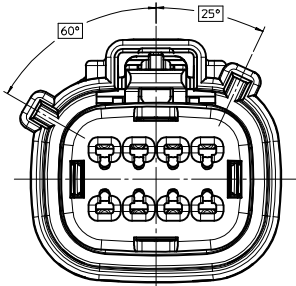
INSPECTION NUMBERR LOG
LAST NUMBER USED:
ADDED:
REMOVED:

ENTER DESCRIPTION EC NO: UAU2014-0008 DRAWN BY: 2013/07/02 CHKD: 2013/08/16 APPR: W05HY	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm INCH		DRAWN BY DATE D. MARCOUX 06-13-02	TITLE MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL			
				CHECKED BY DATE DGRIFITHS 06-13-02				
				APPROVED BY DATE FHOLUB 06-13-02				
SIZE 1 OF 6	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 6
				SEE NOTE 2a		SD-33472-081		

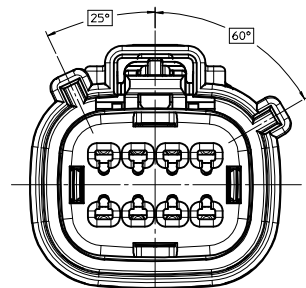
Z	MOVE THE BOM TO SD-33472-082
Y10	UPDATED DIMENSIONS TO MATCH MODEL
REV	DESCRIPTION
SCALE 2:1	DESIGN UNITS METRIC
	THIRD ANGLE PROJECTION



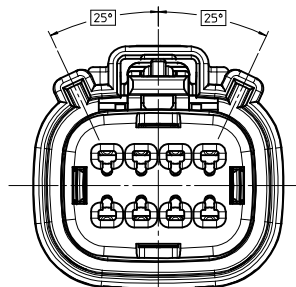
KEY A



KEY B




KEY C

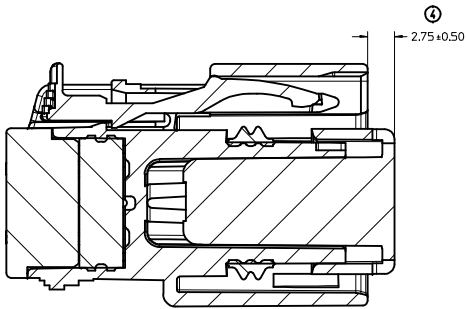
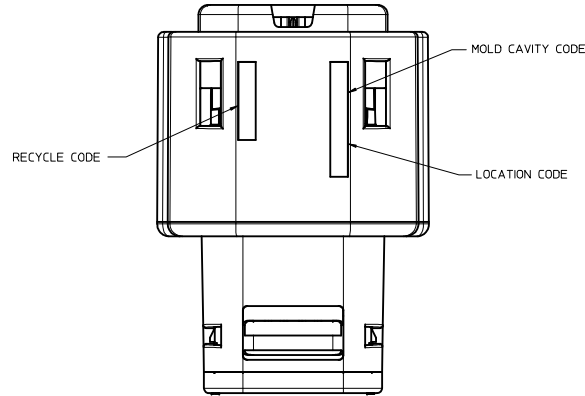
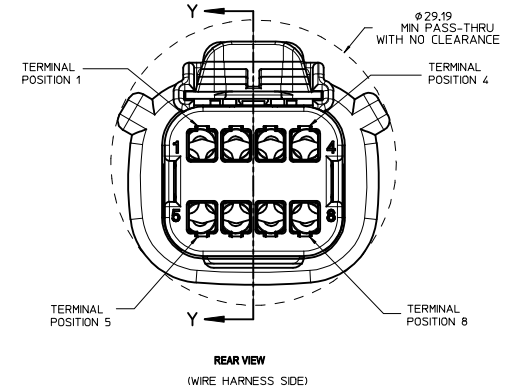
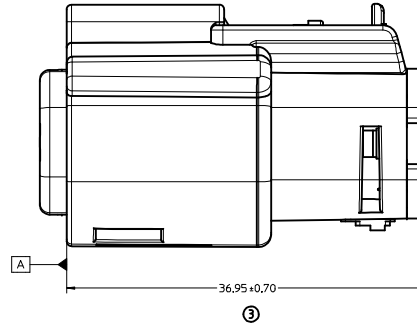
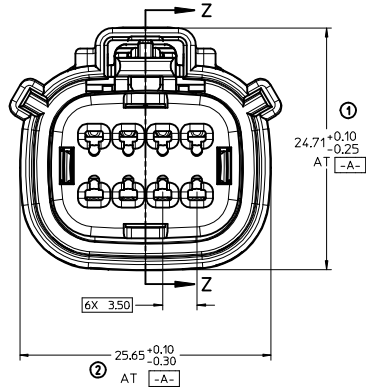
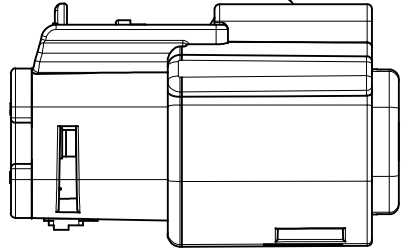


KEY D

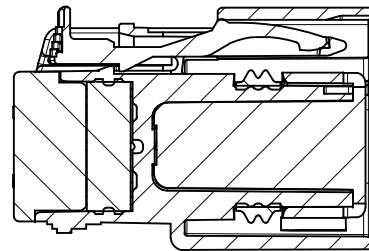
KEY CONFIGURATIONS

ENTER DESCRIPTION EC NO: UAU2014-0008 DRAWN BY: 2013/07/02 CHKD: Z APPR: WOSHY 2013/08/26	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE NOTE 2a		SD-33472-081		SHEET NO. 2 OF 6
				SIZE D 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.



SECTION Z-Z



SECTION Y-Y

ENTER DESCRIPTION EC NO: UAU2014-0008 2013/07/02 DRAWN BY: CHYD CHKD: APPR: WKSHY 2013/08/26 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-081	SHEET NO. 3 OF 6
		mm		INCH							
		4 PLACES ±---		D. MARCOUX 06-13-02							
		3 PLACES ±---		CHECKED BY DATE							
		2 PLACES ±0.10		DGR IFF ITHS 06-13-02							
		1 PLACE ±0.3		APPROVED BY DATE							
		0 PLACE ±		F. HOLUB 06-13-02							
		ANGULAR ± 3 °		MATERIAL NO.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE NOTE 2a							
		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

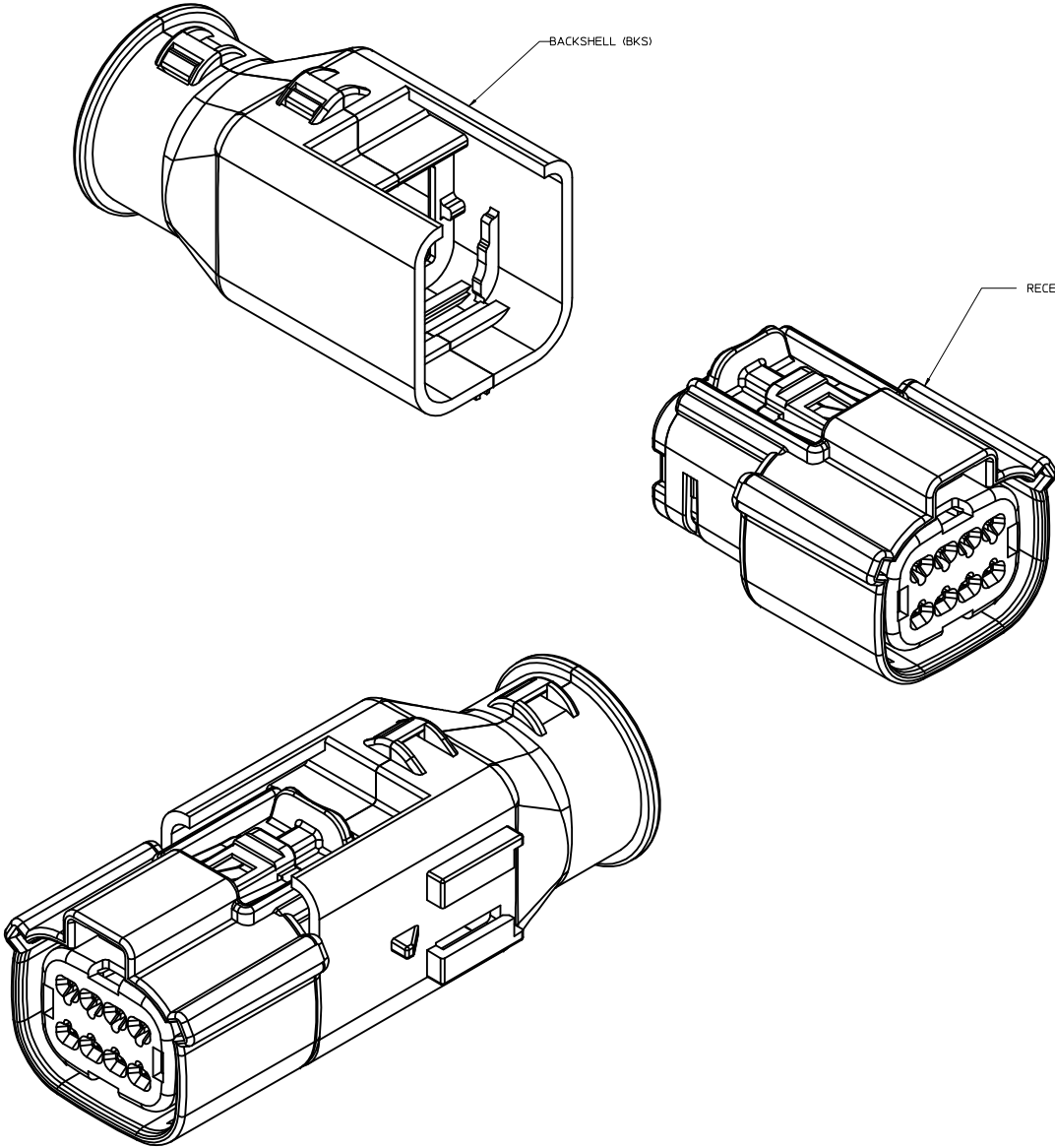
BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-081.
 - 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-34951-0001.

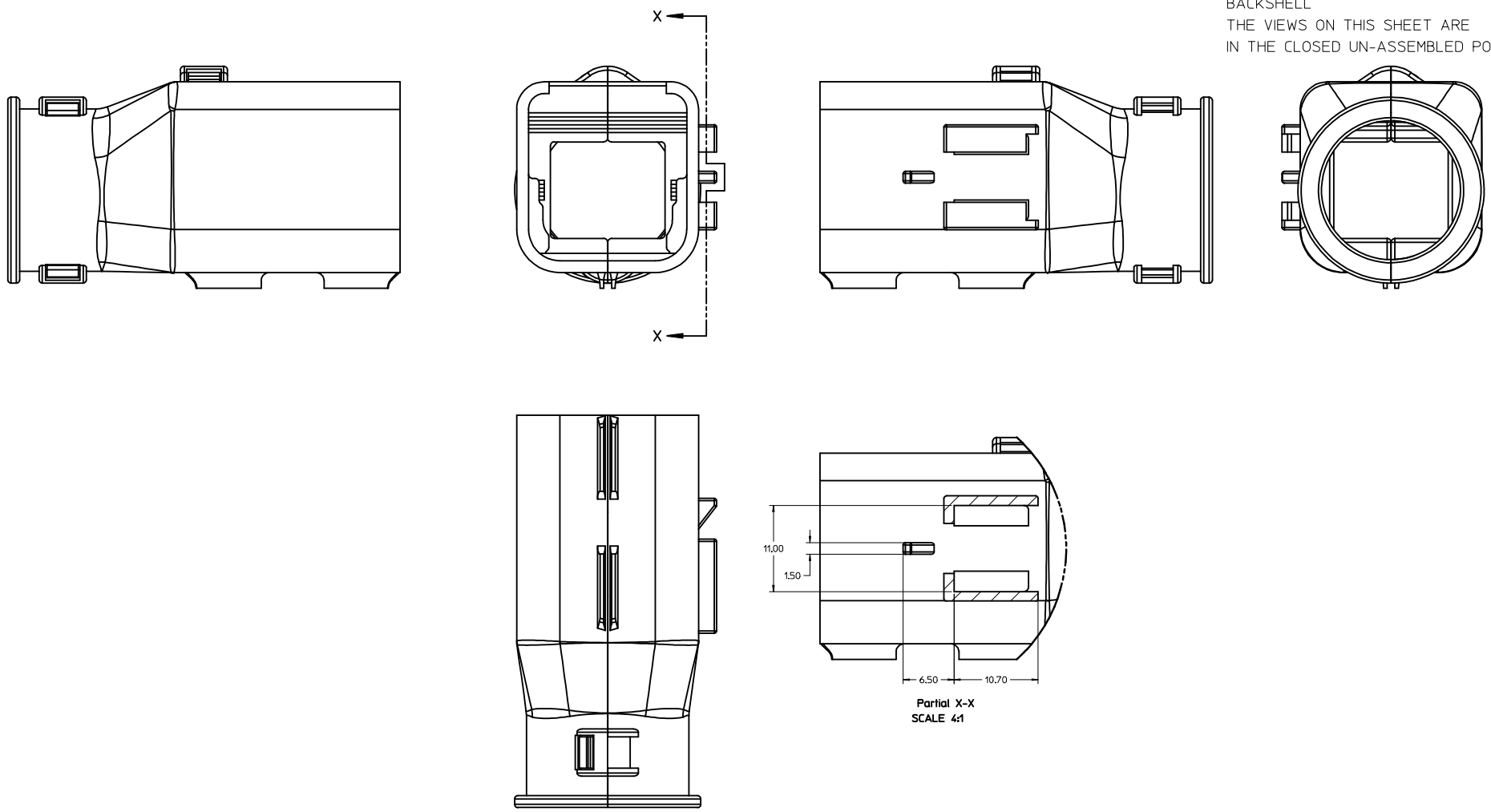
BACKSHELL (BKS)

RECEPTACLE SEALED ASSEMBLY



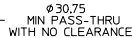
ENTER DESCRIPTION EC NO: UAU2014-0008 DRAWN BY: 2013/07/02 CHKD: 2013/08/26 APPR: WOSHY REV	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
					MM ONLY		4:1	METRIC			
	▽=0		mm INCH		DRAWN BY DATE		TITLE				
			4 PLACES ± --- ± ---		D. MARCOUX 06-13-02		MX150 2X4 RECEPTACLE				
	▽=0		3 PLACES ± --- ± ---		CHECKED BY DATE		SEALED ASSEMBLY				
			2 PLACES ± 0.10 ± ---		DGR IFF ITHS 06-13-02		MAT SEAL				
	▽=0		1 PLACE ± 0.3 ± ---		APPROVED BY DATE		molex				
			0 PLACE ± ±		FHOLUB 06-13-02						
			ANGULAR ± 3 °		MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE NOTE 2a		SD-33472-081		SHEET NO. 4 OF 6		
				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



BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION

<div>ENTER DESCRIPTION</div> <div>IEC NO: UAU2014-0008</div> <div>DRAWN BY: N</div> <div>CHKD: CHYD</div> <div>APPR: WDSHY</div> <div>REV</div> <div>2013/07/02</div> <div>2013/08/26</div>		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE				SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
		▽=0		mm		INCH		DRAWN BY		DATE		4:1		METRIC		☉	
		▽=0		4 PLACES ± ---		D. MARCOUX		06-13-02		TITLE		MX150 2X4 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex					
		▽=0		3 PLACES ± ---		CHECKED BY		DATE									
				2 PLACES ± 0.10		DGRIFITHS		06-13-02		APPROVED BY		DATE		DOCUMENT NO. SD-33472-081			
				1 PLACE ± 0.3		F. HOLUB		06-13-02									
				0 PLACE ±				MATERIAL NO.		SEE NOTE 2a				SHEET NO. 5 OF 6			
								SIZE		D							
				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			



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO. IAU2014-0008 DRAWN BY: CHD CHECKED BY: APPR: WGSY 2013/07/02 2013/08/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE		
	▽=0	4 PLACES ±.mm ±.inch	D. MARCOUX	06-13-02	MX150 2X4 RECEPTACLE			
	▽=0	3 PLACES ±.mm ±.inch	CHECKED BY	DATE	SEALED ASSEMBLY			
	▽=0	2 PLACES ±.10	DGRIF1 IHS	06-13-02	MAT SEAL			
	▽=0	1 PLACE ±.03	APPROVED BY	DATE				
	▽=0	0 PLACE ±	FHOLUB	06-13-02				
	DESCRIPTION		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE NOTE 2a		SD-33472-081		SHEET NO. 6 OF 6	
	REV		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			