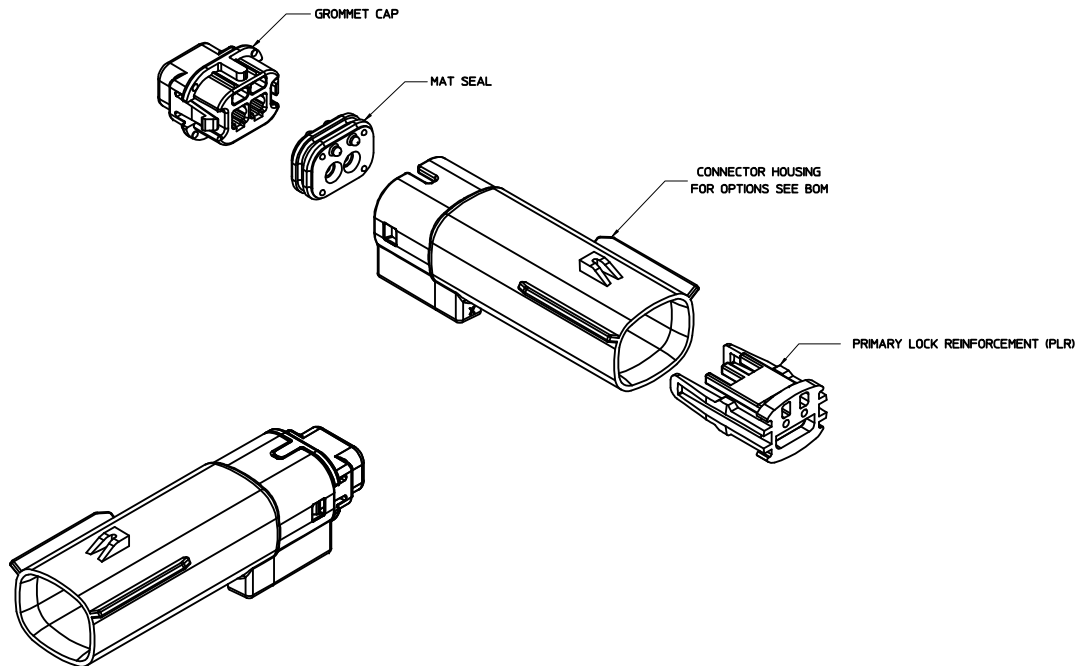


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BACKSHELL NOTES
6	BACKSHELL
7	BACKSHELL CONFIGURATIONS
8	BOM



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 RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-021.
-FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION
-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:
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#19295)
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

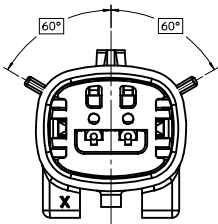
INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

A10	ADD NEW P/N 33481-0210		
A9	UPDATED VIEWSET & NOTES		
A8	RENAMED BACKSHELLS		
A7	REMOVED DIMENSION 57		
A6	UPDATED NOTES		
A5	UPDATED P/N ORDER IN BOM		
A4	REDRAWN, ADDED BACKSHELL		
REV	DESCRIPTION		
SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
TITLE			
08	MX150 1X2 BLADE		
12	SEALED ASSEMBLY		
	MAT SEAL		
16	molex		
DOCUMENT NO.		SHEET NO.	
SD-33481-021		1 OF 8	
RETAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

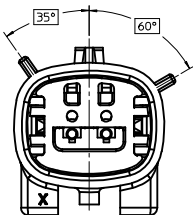
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				DRAWN BY DATE M. VANSAMBRO 9/16/08		TITLE		MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL			
				CHECKED BY DATE MVANSAMBROU 2012/07/12				molex			
				APPROVED BY DATE VKOSHY 2010/03/16							
				MATERIAL NO.		DOCUMENT NO.					
				ANGULAR ± 3 °		SEE BOM		SD-33481-021		SHEET NO. 1 OF 8	
		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					

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

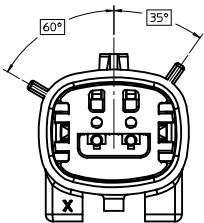
KEY CONFIGURATIONS



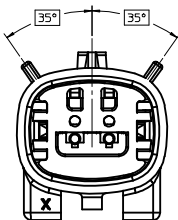
KEY A



KEY B



KEY C



KEY D

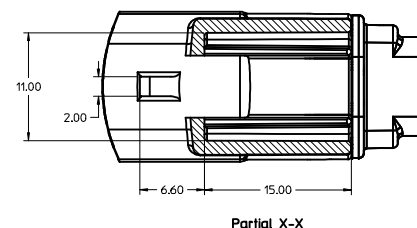
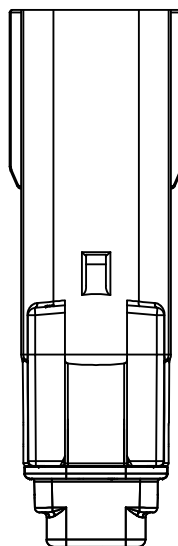
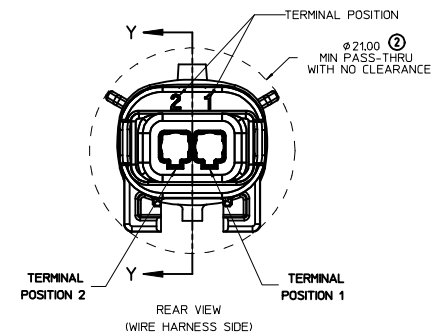
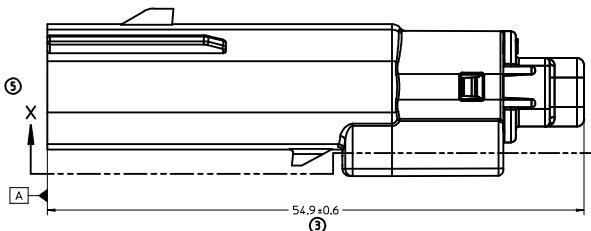
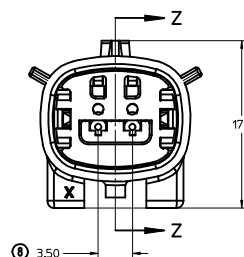
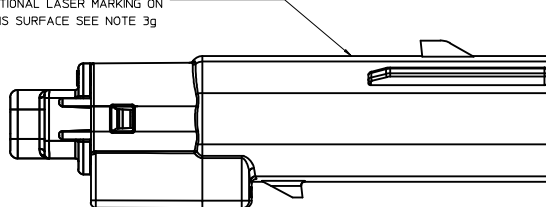
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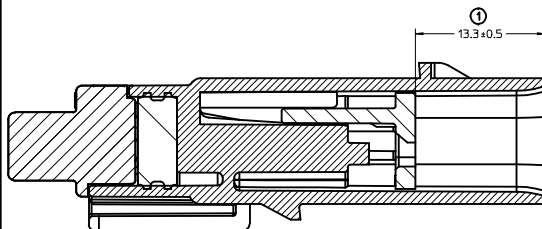
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BLADE SEALED ASSEMBLY

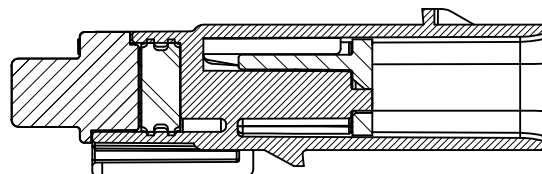
OPTIONAL LASER MARKING ON
THIS SURFACE SEE NOTE 3g



Partial X-X



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



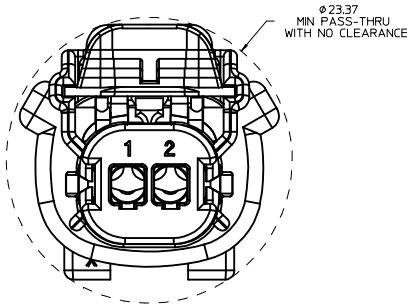
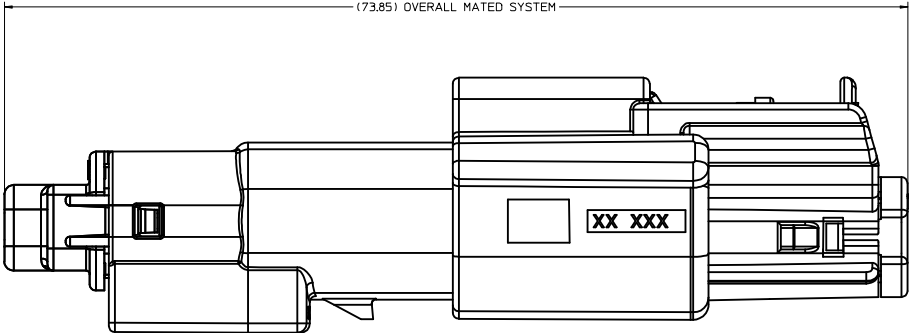
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION
SECTION Y-Y

ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY: CHKO: CHKD: APPR: VKOSHY REV: A10		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33481-021	SHEET NO. 3 OF 8
					DRAWN BY M. VANS LAMBRO							
					DATE 9/16/08							
					CHECKED BY MYANS LAMBRO							
					DATE 2012/07/12							
					APPROVED BY VKOSHY							
					DATE 2010/03/16							
					MATERIAL NO. SEE BOM							
					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

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

SYSTEM PACKAGING



ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: VKOSHY A10	2014/02/21 2014/02/25	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		4:1	METRIC			
						DRAWN BY		DATE	TITLE	
						M. VANS LAMBRO		9/16/08	MX150 1X2 BLADE SEALED ASSEMBLY	
						CHECKED BY		DATE	MAT SEAL	
						M VANS LAMBROU		2012/07/12	MAT SEAL	
		APPROVED BY		DATE	DOCUMENT NO.					
		VKOSHY		2010/03/16	SD-33481-021		SHEET NO. 4 OF 8			
		ANGULAR ± 3 °		MATERIAL NO.		SEE BOM				
		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		

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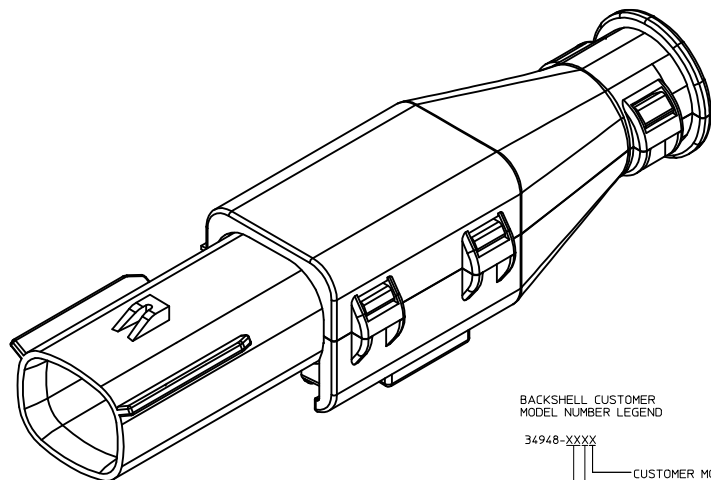
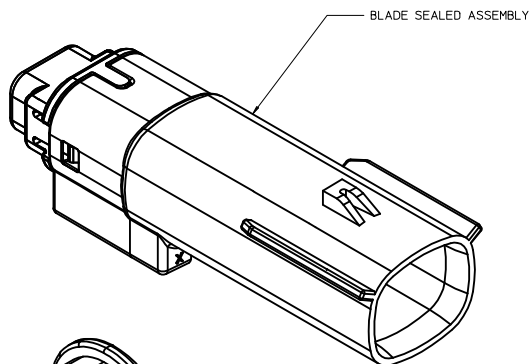
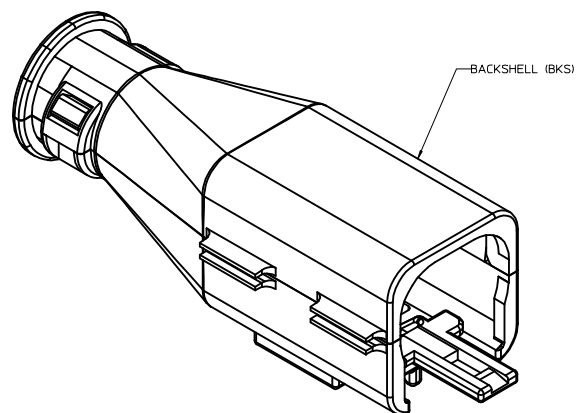
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BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- Q. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-021.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 12mm 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-34948-0001.



BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34948-XXXX

- CUSTOMER MODEL COMPONENTS
- 0 - BACKSHELL ONLY
 - 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
 - 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
 - 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
 - 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY

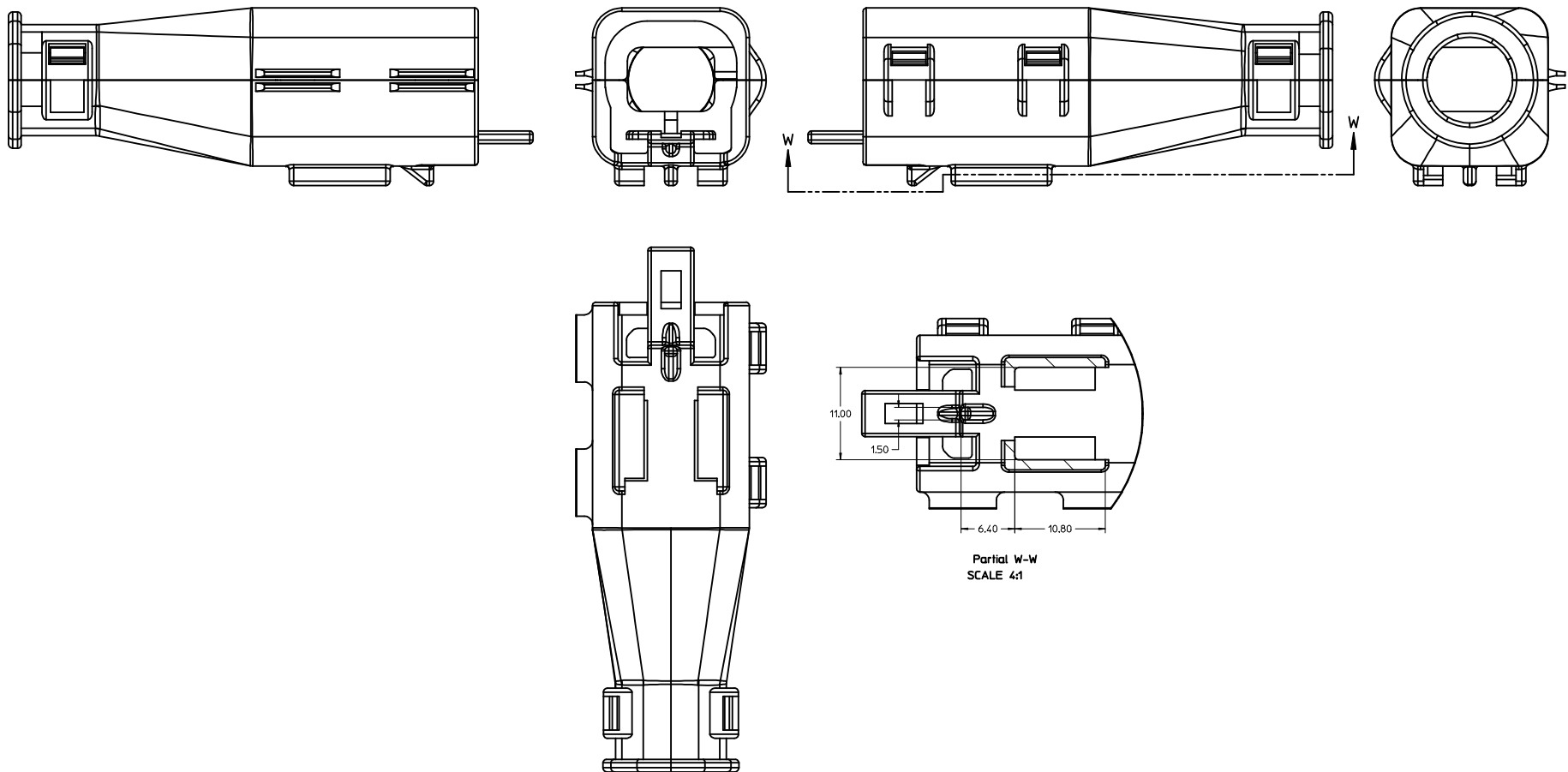
- BACKSHELL FEATURES
- 1 - WITH RIBS
 - 2 - WITHOUT RIBS

MX150 CIRCUIT SIZE 02, 03, 04, 05, 06

ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY: CHYK CHKD: APPR: WKSHY REV: A10	2014/02/21 2014/02/25	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex
			mm		INCH		DRAWN BY DATE M. VANS LAMBRO 9/16/08					
			4 PLACES ± --- ± ---		CHECKED BY DATE MYVANS LAMBROU 2012/07/12							
			3 PLACES ± --- ± ---		APPROVED BY DATE VKOSHY 2010/03/16							
			2 PLACES ± 0.10 ± ---		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33481-021	SHEET NO. 5 OF 8				
			1 PLACE ± 0.20 ± ---									
			0 PLACE ± --- ± ---									
			ANGULAR ± 3 °		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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

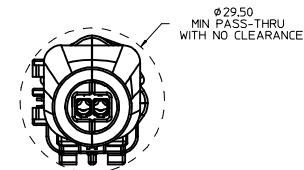
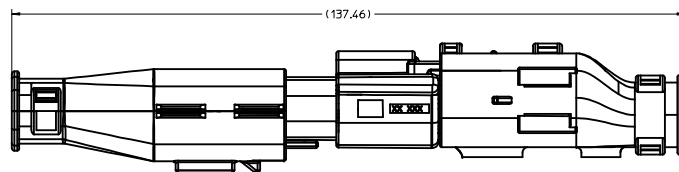
BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



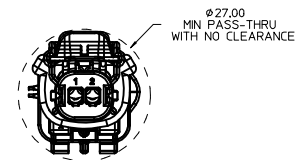
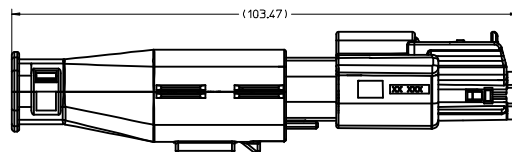
ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY: CHKO: CHKD: APPR: WOSHY REV A10	DESCRIPTION 2014/02/21 2014/02/25	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					DRAWN BY M. VANSIAMBRO		DATE 9/16/08	TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex		
			4 PLACES ± --- ± ---		CHECKED BY MYANSIAMBROU		DATE 2012/07/12			
			3 PLACES ± --- ± ---		APPROVED BY VKOSHY		DATE 2010/03/16			DOCUMENT NO. SD-33481-021
			2 PLACES ± 0.10 ± ---		MATERIAL NO. SEE BOM					
			1 PLACE ± 0.20 ± ---							
			0 PLACE ± --- ± ---		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			ANGULAR ± 3 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

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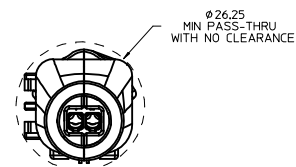
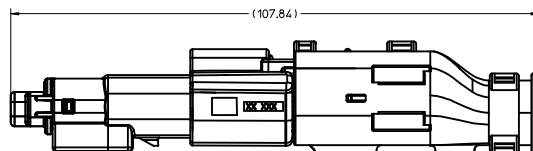
BACKSHELL CONFIGURATIONS



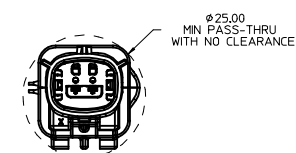
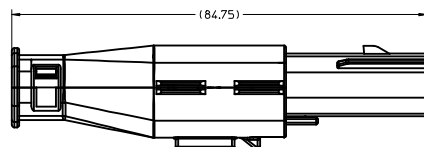
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: WOSHY A10	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH $\nabla=0$ 4 PLACES +---+ 3 PLACES +---+ $\nabla=0$ 2 PLACES +0.10 +---+ 1 PLACE +0.20 +---+ 0 PLACE +---+ ANGULAR $\pm 3^\circ$	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			DRAWN BY M. VANSAMBRO	DATE 9/16/08	TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL			
			CHECKED BY MVANSAMBROU	DATE 2012/07/12	APPROVED BY VKOSHY			
			DATE 2010/03/16		MATERIAL NO. SEE BOM			
			DOCUMENT NO. SD-33481-021		SHEET NO. 7 OF 8			
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

MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE
PLR	NATURAL	SPS/NYLON GF20
GROMMET CAP (CAVITY 2 PLUGGED)	BLACK	SPS/NYLON GF20
GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
HOUSING - KEYING OPTION A	YELLOW	SPS/NYLON GF20
HOUSING - KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING - KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING - KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING - KEYING OPTION A	BLACK	SPS/NYLON GF20
DESCRIPTION	COLOR	MATERIAL

BOM/APPLICABLE COMPONENTS TABLE

LEGEND TABLE	
ABBREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP (OPEN)
GCP	GROMMET CAP (PLUGGED)
GCP2	GROMMET CAP (CAVITY 2 PLUGGED)
P	PLR, STANDARD
M	MAT SEAL
BKS	BACKSHELL

ENTER DESCRIPTION EC NO.: UAU2014-7319 DRAWN BY: CHKD: CHIKO APPR: WOSHY DATE: 2014/07/15	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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	$\nabla=0$	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± 0.10	CHECKED BY DATE MVANSAMBROU 2012/07/12			
	$\nabla=0$	1 PLACE ± 0.20 ± 0.20 0 PLACE ± --- ± ---	APPROVED BY DATE VKOSHY 2010/03/16	molex		
		ANGULAR ± 3 °	MATERIAL NO.	DOCUMENT NO.	SHEET NO. 8 OF 8	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE BOM SD-33481-021			
		SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			