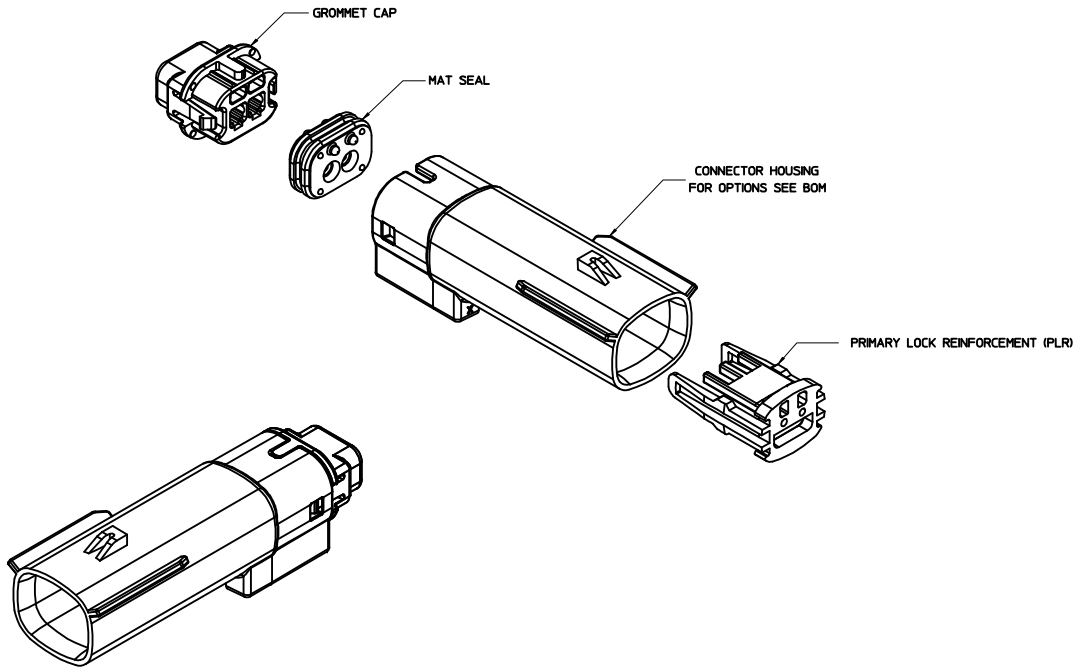


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BACKSHELL NOTES
6	BACKSHELL
7	BACKSHELL CONFIGURATIONS
8	BOM



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

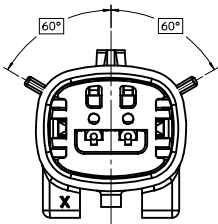
INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

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

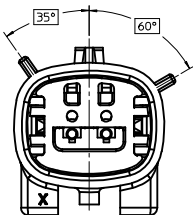
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			MM ONLY		3:1	METRIC		
					TITLE			
					MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL			
					molex			
					MATERIAL NO.	DOCUMENT NO.		
					SEE BOM	SD-33481-021		
					SHEET NO. 1 OF 8			

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

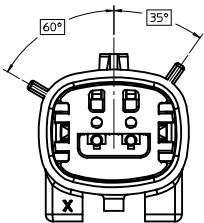
KEY CONFIGURATIONS



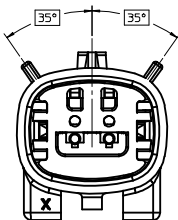
KEY A



KEY B



KEY C



KEY D

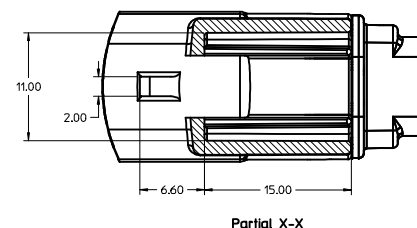
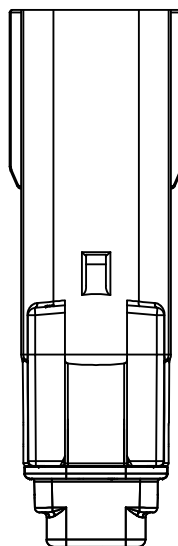
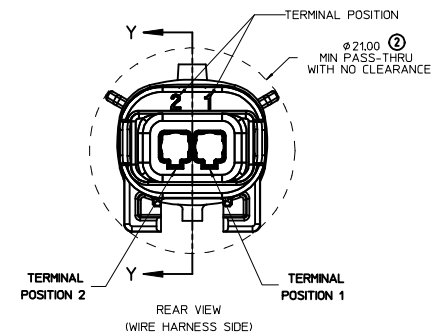
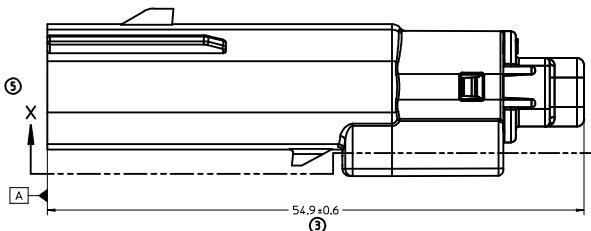
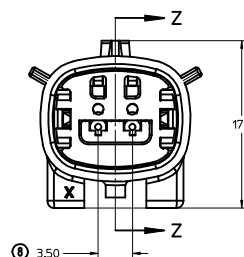
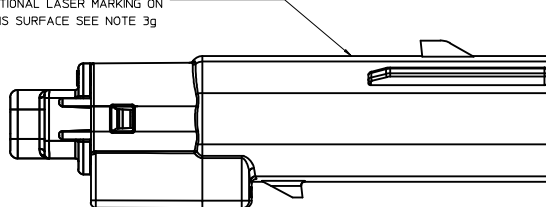
ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: VKOSHY REV A10	DESCRIPTION 2014/02/21 2014/02/25	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex SD-33481-021	
							DRAWN BY M. VANSAMBRO		DATE 9/16/08				
							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. 2 OF 8		
							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						
							ANGULAR ± 3 °						

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

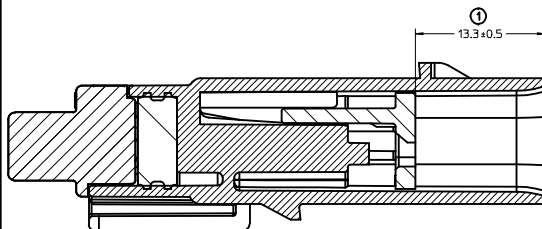
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BLADE SEALED ASSEMBLY

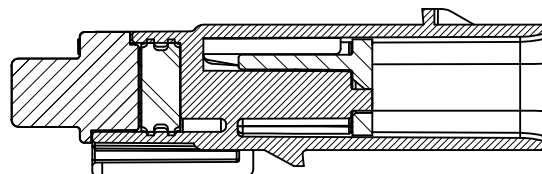
OPTIONAL LASER MARKING ON
THIS SURFACE SEE NOTE 3g



Partial X-X



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

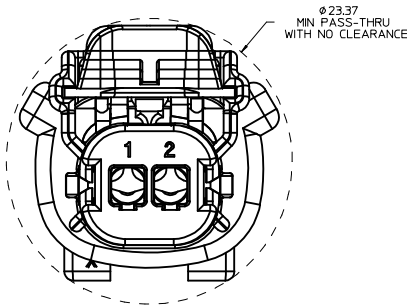
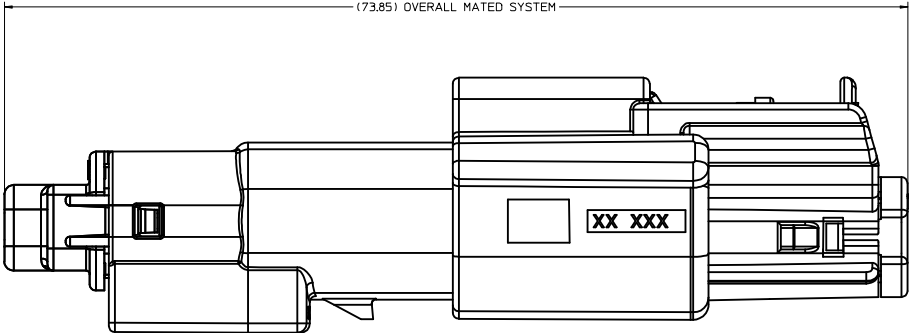


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION
SECTION Y-Y

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
		mm		INCH		DRAWN BY	DATE	TITLE		
		4 PLACES ±		---		M. VANS LAMBRO	9/16/08	MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL		
		3 PLACES ±		---		CHECKED BY	DATE			
		2 PLACES ±		0.10		MYANS LAMBRO	2012/07/12			
A10	DESCRIPTION 2014/02/25	1 PLACE ±		0.20		APPROVED BY		DATE		
		0 PLACE ±		---		VKOSHY		2010/03/16		
		ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM		SD-33481-021		SHEET NO. 3 OF 8
		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

SYSTEM PACKAGING



ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: VKOSHY 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	
					DRAWN BY M. VANS LAMBRO		TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex			
					DATE 9/16/08					
					CHECKED BY M VANS LAMBROU					2012/07/12
					APPROVED BY VKOSHY					
					DATE 2010/03/16		DOCUMENT NO. 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					

MX150 1X2 BLADE
SEALED ASSEMBLY
MAT SEAL

molex

DOCUMENT NO.
SD-33481-021

SHEET NO.
4 OF 8

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

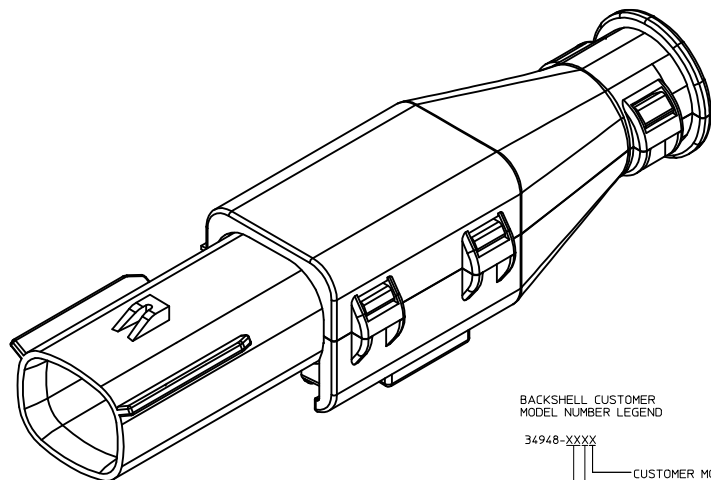
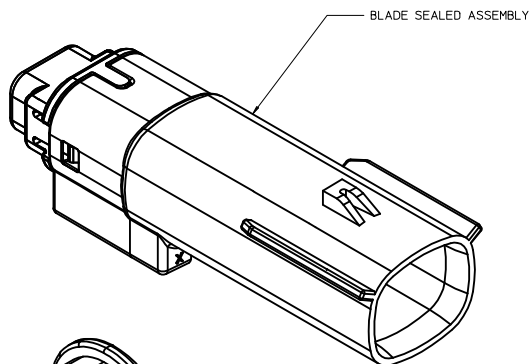
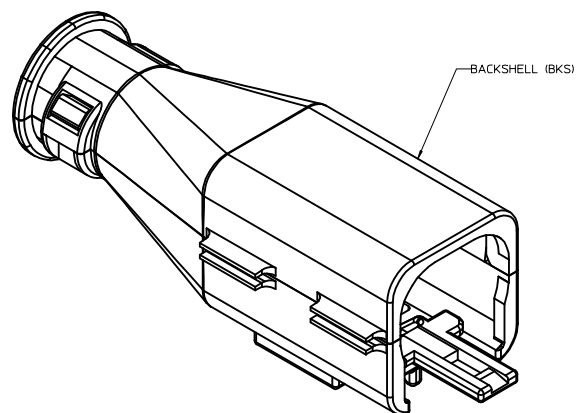
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

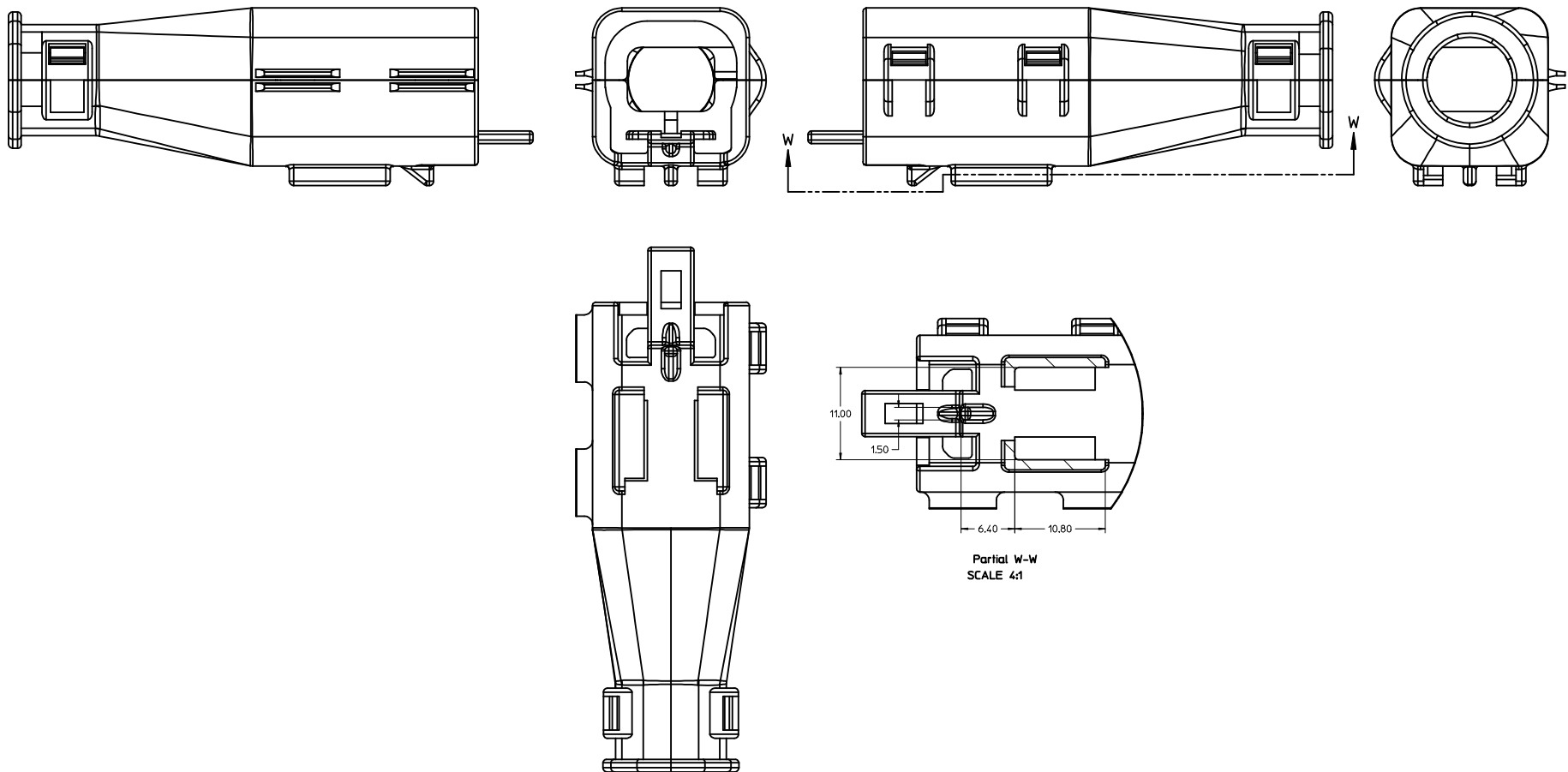
34948-XXXX

- 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) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- 0 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE M. VANS LAMBRO 9/16/08 CHECKED BY DATE M VANS LAMBROU 2012/07/12 APPROVED BY DATE VKOSHY 2010/03/16 MATERIAL NO. SEE BOM	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. 5 OF 8

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

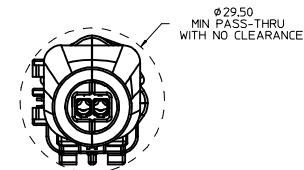
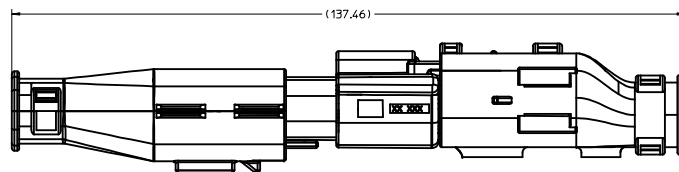
BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



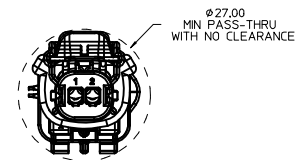
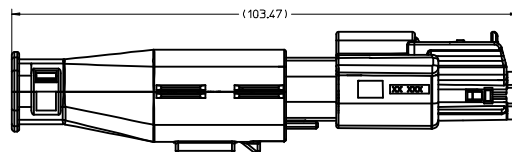
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			mm		INCH		DRAWN BY	DATE	TITLE			
			4 PLACES		±	----	M. VANSIAMBRO		9/16/08			MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex
			3 PLACES		±	----	CHECKED BY		DATE			
			2 PLACES		±	0.10	MVANSIAMBROU		2012/07/12			
			1 PLACE		±	0.20	APPROVED BY		DATE			
			0 PLACE		±	----	VKOSHY		2010/03/16			
			ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.			SD-33481-021
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM		SHEET NO. 6 OF 8			
			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

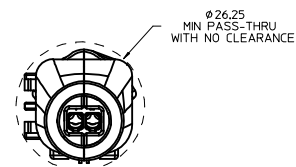
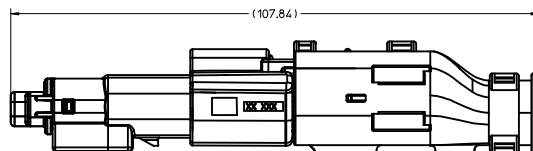
BACKSHELL CONFIGURATIONS



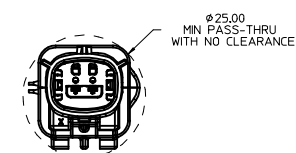
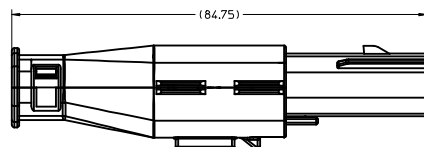
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



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: VKOSHY A10	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			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. SEE BOM				
REVIEW	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

A10	KEY A, YELLOW	33481-0210					A	GCO						SALEABLE			34948-0210	34948-0220			
	KEY A, BLACK	33481-0209	A											SALEABLE			34948-0210	34948-0220			
	KEY D, STONE GRAY	33481-0208			D			GCP	GCP2	1	2			SALEABLE			34948-0210	34948-0220			
	KEY C, DARK GRAY	33481-0207				C		GCP		1	2			SALEABLE			34948-0210	34948-0220			
	KEY B, LIGHT GRAY	33481-0206		B				GCP		1	2			SALEABLE			34948-0210	34948-0220			
	KEY A, BLACK	33481-0205	A					GCP		1	2			SALEABLE			34948-0210	34948-0220			
	KEY D, STONE GRAY	33481-0204			D		GCO							SALEABLE			34948-0210	34948-0220			
	KEY C, DARK GRAY	33481-0203				C	GCO							SALEABLE			34948-0210	34948-0220			
	KEY B, LIGHT GRAY	33481-0202		B			GCO							SALEABLE			34948-0210	34948-0220			
	KEY A, BLACK	33481-0201	A				GCO							SALEABLE			34948-0210	34948-0220			
ASSEMBLY DESCRIPTION		ASSEMBLY PART NUMBERS		A	B	C	D	A	GCO	GCP	GCP2	1	2	STATUS	COMMENTS	BACKSHELL WITH RIBS BACKSHELL WITHOUT RIBS					
														BLOCKED TERMINAL							
														CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION				OPTIONAL ATTACHMENTS SOLD SEPARATELY			
														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: UAU204-1319 DRAWN BY: CHIKO APPR: WOSH 2014/02/21 2014/02/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE	MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex	
	▽=0	4 PLACES ±---	±---	M. VANSLAMBO	9/16/08			
	▽=0	3 PLACES ±---	±---	CHECKED BY	DATE			
	▽=0	2 PLACES ±0.10	±---	MVANSLAMBOU	2012/07/12			
		1 PLACE ±0.20	±---	APPROVED BY	DATE			
		0 PLACE ±---	±---	VKOSHY	2010/03/16			
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.	
			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			
A10	REV							SHEET NO. 8 OF 8