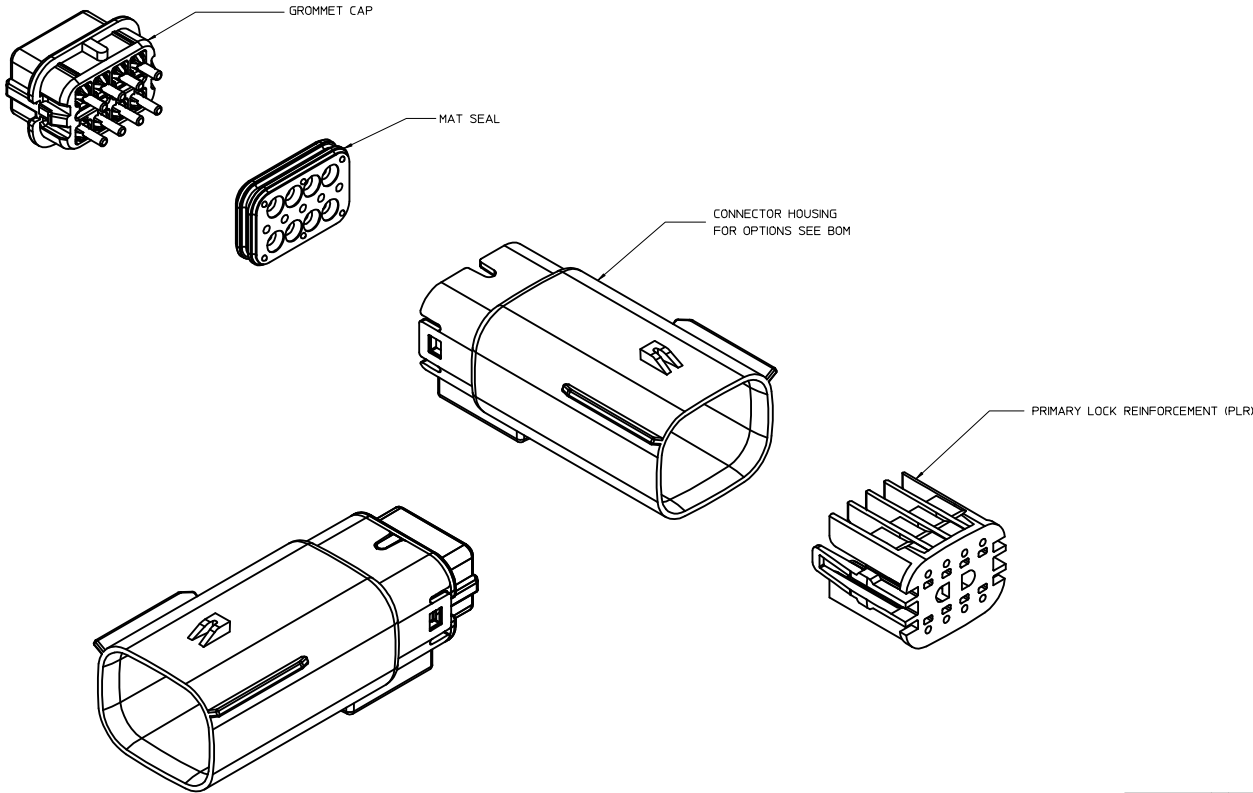


TABLE OF CONTENTS	
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1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BACKSHELL NOTES
6	BACKSHELL
7	BACKSHELL CONFIGURATIONS
8-9	BOM



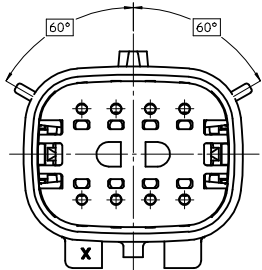
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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-33472-081
 - FOR 15mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33000-001.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 12mm 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 45 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-31300-635
- 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#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 ISO15715
- 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) CAD MODEL.
- g. LASER MARKING: TBD

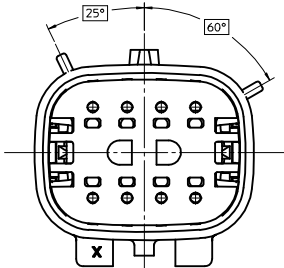
INSPECTION LOG
LAST NUMBER USED:
ADDED:
REMOVED:

AH1	UPDATED VIEWSET & NOTES		
AH	UPDATED GROMMET CAP		
AG1	RENAMED BACKSHELLS		
AG	ADDED NEW P/N 33482-0857 33482-0858 33482-0859		
AF1	UPDATED DIMENSIONS TO MATCH MODEL		
AF	ADDED NEW P/N 33482-0854 33482-0855 33482-0856		
AE	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD		
AD	REDRAWN, ADDED BACKSHELL		
REV	DESCRIPTION		
DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC
			 THIRD ANGLE PROJECTION
DRAWN BY DMARCOUX	DATE 06-17-02	TITLE MX150 2X4 BLADE SEALED ASSEMBLY MAT SEAL	
CHECKED BY DGRIFITHS	DATE 06-17-02		
APPROVED BY VKOSHY	DATE 2010/10/27		
MATERIAL NO.		DOCUMENT NO.	
SEE BOM		SD-33482-081	
SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 9

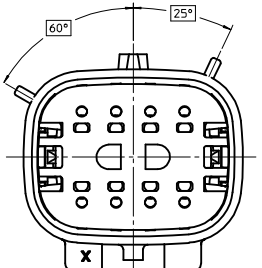
KEY CONFIGURATIONS



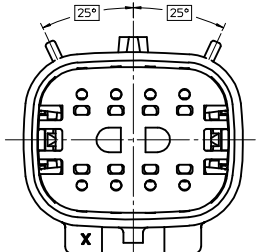
KEY A



KEY B



KEY C



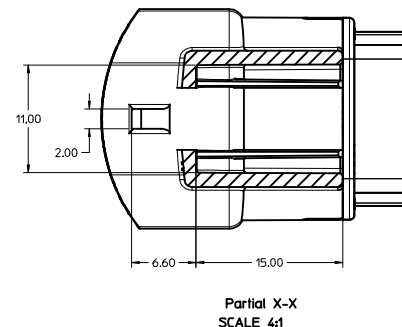
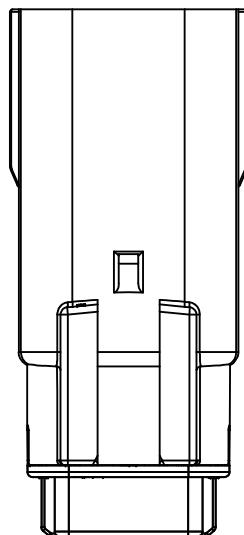
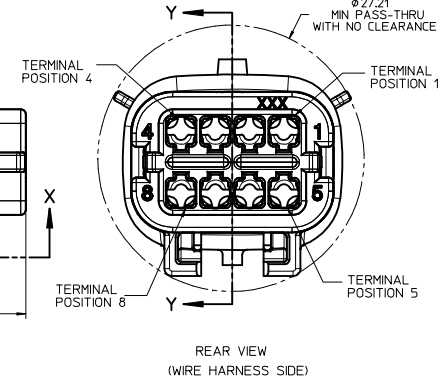
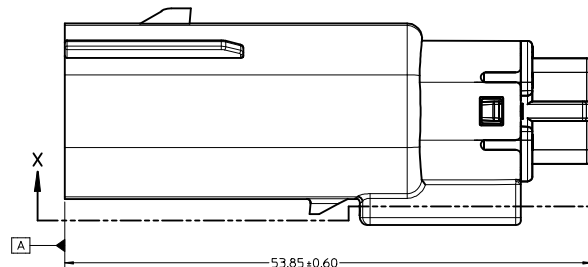
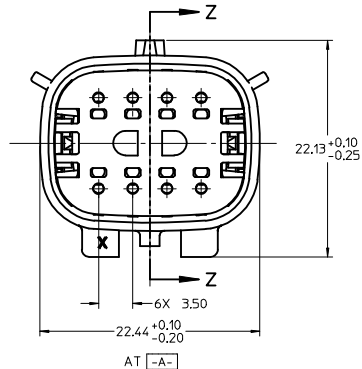
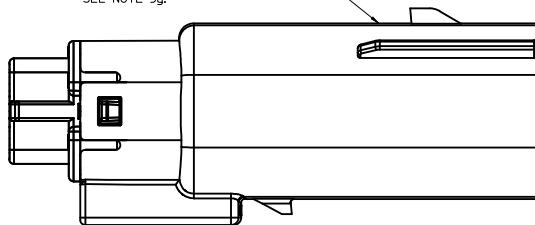
KEY D

REVISED EC NO: UAU2013-1763 DRAWN BY: DRWNGHALL CHKD: CHKO: APPROV: C. L. Lisle 2013/05/02 2013/05/08 REV DESCRIPTION	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		MX150 2X4 BLADE SEALED ASSEMBLY MAT SEAL molex	
	▽=0		4 PLACES ± ±		DMARCOUX 06-17-02					
	▽=0		3 PLACES ± ±		CHECKED BY DATE					
			2 PLACES ±0.10		DGRIFTHS 06-17-02					
			1 PLACE ±0.3		APPROVED BY DATE					
			0 PLACE ± ±		VKOSHY 2010/10/27					
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33482-081		SHEET NO. 2 OF 9	
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

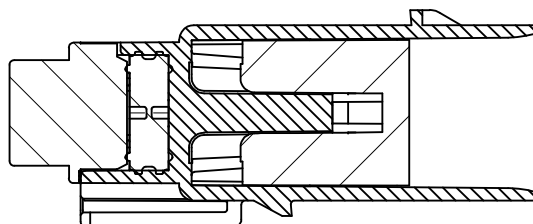
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BLADE SEALED ASSEMBLY

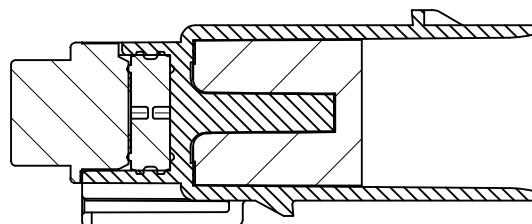
LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



Partial X-X
SCALE 4:1



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



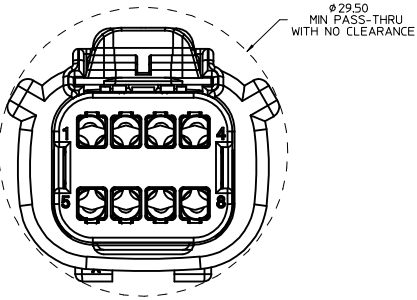
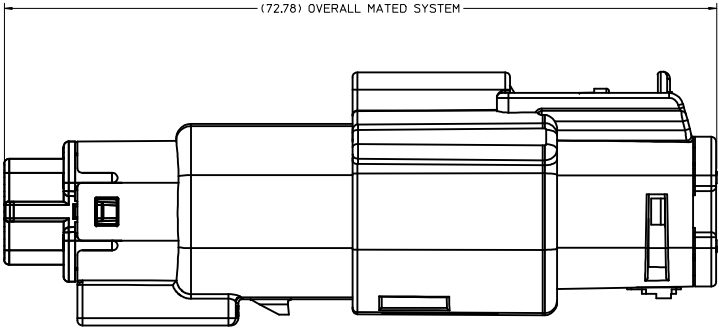
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN THE FINAL-LOCK POSITION
SECTION Y-Y

REVISED DEC NO: UAU2013-1763 2013/05/02 DRAWN BY: CHYK CHKD: APPR: DC LLSLE 2013/05/08 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		mm INCH		MM ONLY		4:1	METRIC			
		▽=0	4 PLACES ± --- ± ---	DRAWN BY	DATE	TITLE				
		▽=0	3 PLACES ± --- ± ---	CHECKED BY	DATE	MX150 2X4 BLADE SEALED ASSEMBLY MAT SEAL				
AH1	▽=0	2 PLACES ± 0.10 ± ---	DGRIFITHS	06-17-02	molex					
	1 PLACE ± 0.3 ± ---	APPROVED BY	DATE							
	0 PLACE ± ±	VKOSHY	2010/10/27							
	ANGULAR ± 3 °		MATERIAL NO.	DOCUMENT NO.						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33482-081		SHEET NO. 3 OF 9				
		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



29.50
MIN PASS-THRU
WITH NO CLEARANCE

REVISED EC NO: UAU2013-1763 DRAWN BY: DRWNGHALL CHKD: CHYD APPR: DC LLSLE 2013/05/02 2013/05/08 AH1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE	DOCUMENT NO.	SHEET NO.		
			MM ONLY		4:1	METRIC						
			mm	INCH	DRAWN BY	DATE					DATE	
			4 PLACES ± ± ± ±	DMARCOUX	06-17-02	06-17-02						
			3 PLACES ± ± ± ±	CHECKED BY	DATE	DATE						
2 PLACES ± 0.10 ± ±	DGRIFITHS	06-17-02	2010/10/27									
1 PLACE ± 0.3 ± ±	APPROVED BY	DATE										
0 PLACE ± ± ± ±	VKOSHY	2010/10/27										
ANGULAR ± 3 °			MATERIAL NO.				molex					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE BOM		SD-33482-081				4 OF 9			
SIZE			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

BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-34951-001
-DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33482-081.
-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-34950-0001.

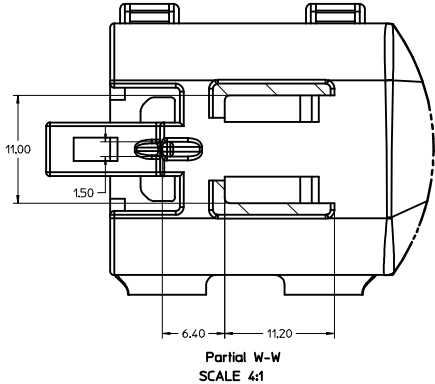
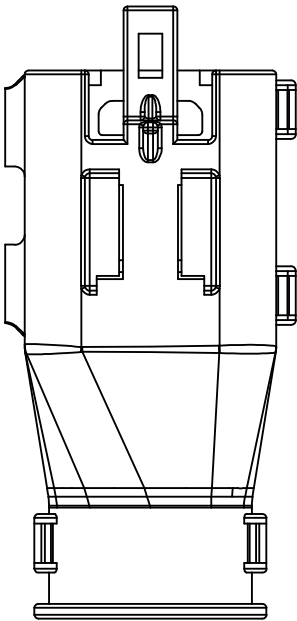
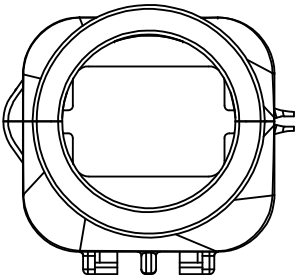
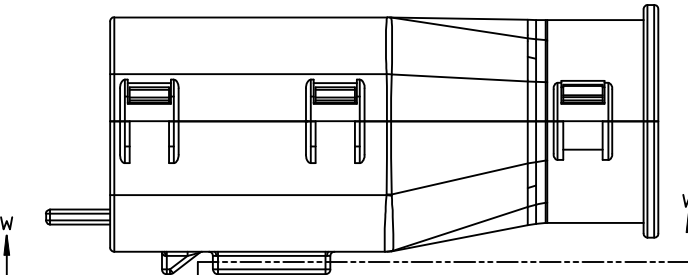
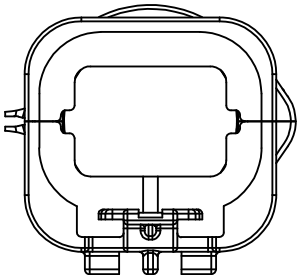
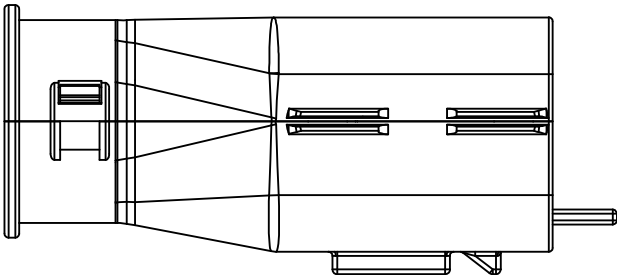
BACKSHELL (BKS)

BLADE SEALED ASSEMBLY

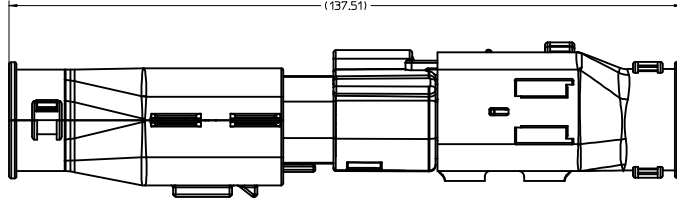
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			mm		INCH		DRAWN BY	DATE				
			4 PLACES ± ---		± ---		DMARCOUX	06-17-02				
			3 PLACES ± ---		± ---		CHECKED BY	DATE				
			2 PLACES ± 0.10		± ---		DGRIFFITHS	06-17-02				
			1 PLACE ± 0.3		± ---		APPROVED BY	DATE				
			0 PLACE ±		±		VKOSHY	2010/10/27				
			ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				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

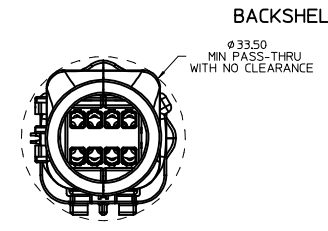
BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



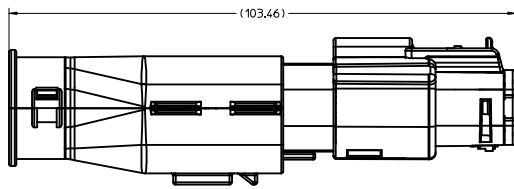
REVISED EC NO. UAU2013-1763 DRAWN: DALL CHKD: APPROD. LLSLE AH1	DESCRIPTION 2013/05/02 2013/05/08	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		▽=0	mm	INCH	DRAWN BY DMARCOUX	DATE 06-17-02	TITLE MX150 2X4 BLADE SEALED ASSEMBLY MAT SEAL		
		▽=0	4 PLACES ± ---	± ---	CHECKED BY DGRIFITHS	DATE 06-17-02			
		▽=0	3 PLACES ± ---	± ---	APPROVED BY VKOSHY	DATE 2010/10/27			
			2 PLACES ± 0.10	± ---	MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33482-081		
		1 PLACE ± 0.3	± ---	ANGULAR ± 3 °					
		0 PLACE ±	±	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			SHEET NO. 6 OF 9



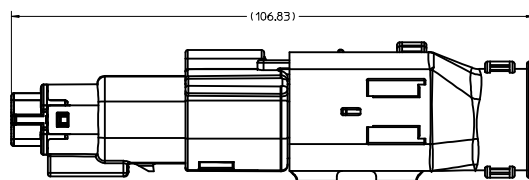
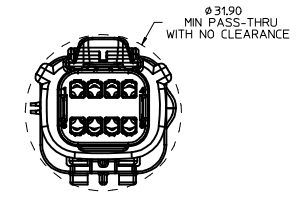
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



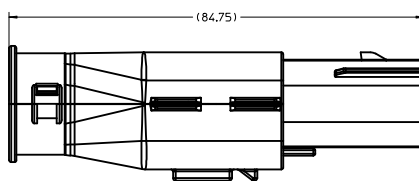
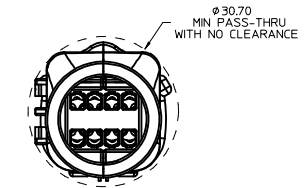
BACKSHELL CONFIGURATIONS



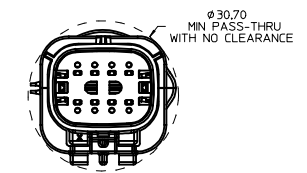
OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL



REVISED DEC NO: UAU2013-1763 2013/05/02 DRAWN: DAHALL CHKD: APPROVED LLSLE 2013/05/08 AH1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		▽=0		mm	INCH	DRAWN BY DMARCOUX	DATE 06-17-02	TITLE MX150 2X4 BLADE SEALED ASSEMBLY MAT SEAL molex	
			4 PLACES	± ---	± ---	CHECKED BY DGRIFITHS	DATE 06-17-02		
			3 PLACES	± ---	± ---	APPROVED BY VKOSHY	DATE 2010/10/27		
			2 PLACES	± 0.10	± ---	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33482-081		
▽=0	1 PLACE	± 0.3	± ---	SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 7 OF 9		
		0 PLACE	±	±	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

AE
AE

GROMMET SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICON
PLR	NATURAL	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 D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	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		

REVISIONED EC NO. UAL2019-7163 DEDDINGHAUS 2013/05/02 CH-KO APPROVAL L1SE 2013/05/08 AH1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN TYPES	 THIRD ANGLE PROJECTION
			MM ONLY			METRIC	
					TITLE		
					MX150 2X4 BLADE		
					SEALED ASSEMBLY		
					MAT SEAL		
					molex		
					DOCUMENT NO.		
					SD-33482-081		
					SHEET NO. 8 OF 9		
		SEE BOM					
DRAFT WHERE APPLICABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
MUST REMAIN WITHIN DIMENSIONS							

AG
AG
AG

TABLE LEGEND	
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
PLR	PRIMARY LOCK REINFORCEMENT
BKS	BACKSHELL

GROMMET SEAL	BURNT ORANGE	INHERENTLY LUBRICATED SILICON
PLR	NATURAL	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 D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	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		

REVISED EC NO: 2013-1763 DRG: 01AAL2013-1763 CHKD: 2013/05/02 APPR: 2013/05/08 AH1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
			mm	INCH	MM ONLY			METRIC			
		▽=0	4 PLACES ± 0.1 ± ---		DRAWN BY DATE	TITLE		MX150 2X4 BLADE SEALED ASSEMBLY MAT SEAL molex			
		▽=0	3 PLACES ± 0.1 ± ---		DMARCOUX 06-17-02						
▽=0	2 PLACES ± 0.10 ± ---		CHECKED BY DATE								
			1 PLACE ± 0.3 ± ---		DGRFF ITHS 06-17-02						
			0 PLACE ± 0.5 ± ---		APPROVED BY DATE						
					VKOSHY 2010/10/27						
			ANGULAR ± 3°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33482-081		9 OF 9		
					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
					D						