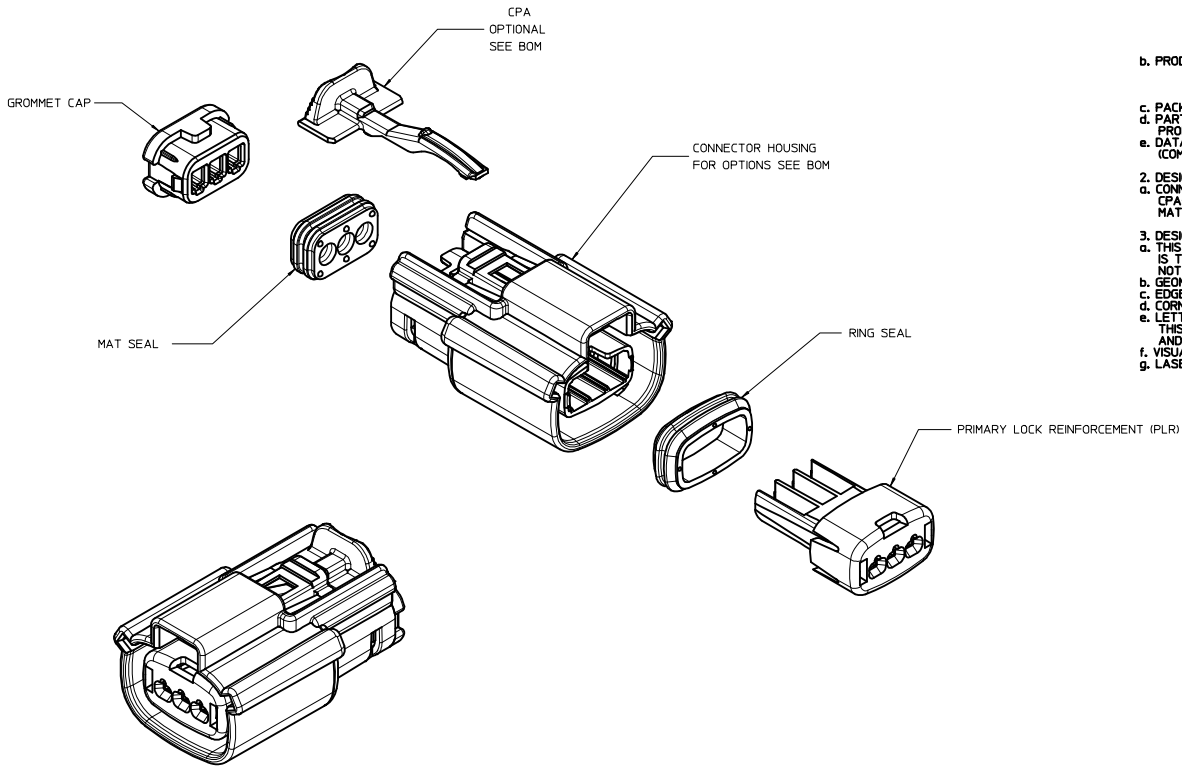


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATION
7	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

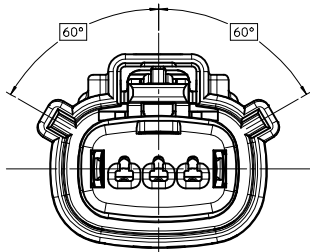
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-003-1-Z05, AVAILABLE AT <<http://ewcap.uscorteam.org/>>.
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-031
 - 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 1.2 mm TO 2.69 mm.
 - 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.
- 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#13255)
2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
- CPA: PBT 20% GLASS FILLED
- MAT SEAL, RING SEAL: INHERENTLY LUBRICATED SILICONE
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 ISO1975
- 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: 5
ADDED:
REMOVED:

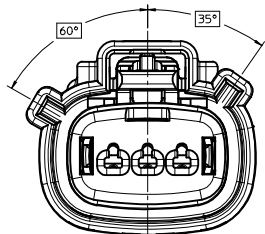
Q6	UPDATED VIEWS	
Q5	ADD BACKSHELL CONFIGURATION	
Q4	ADD NEW P/N 33471-0347	
Q3	334710345 IS SAME AS 334710340 SO VOID 334710345	
Q2	CHANGE THE STATUS TO SALEABLE	
Q1	UPDATED NOTES	
Q	REDRAWN	
REV	DESCRIPTION	
SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
3:1	METRIC	
TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex		
DOCUMENT NO. SD-33471-031		SHEET NO. 1 OF 7
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

ENTER DESCRIPTION EC NO.: UAU2014-1774 DRAWN: IZELSKI 2014/05/15 CHKD: APPR: WOSHY 2014/05/19 REV Q6		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	
			mm INCH		DRAWN BY DATE	
			4 PLACES ± ---	± ---	DMARCOUX 06/18/2002	
			3 PLACES ± ---	± ---	CHECKED BY DATE	
			2 PLACES ± 0.1	± ---	DGRIFITHS 6/18/2002	
			1 PLACE ± 0.30	± ---	APPROVED BY DATE	
			0 PLACE ±	±	FHOLUB 06/18/2002	
			ANGULAR ± 3 °		MATERIAL NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM	
					SIZE D	THIS DRAWING CONTAINS INCORPORATED AND

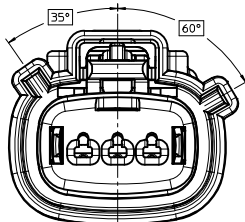
KEY CONFIGURATIONS



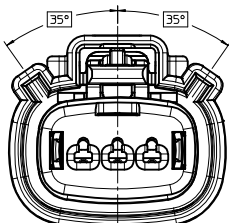
KEY A



KEY B



KEY C



KEY D

ENTER DESCRIPTION IEC NO. UAU2014-1774 DRAWN: JZELSKI 2014/05/15 CHKD: APPR: WOSHY 2014/05/19 Q6	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
				CHECKED BY DGRIFITHS	DATE 6/18/2002				
				APPROVED BY FHOLUB	DATE 06/18/2002				
				MATERIAL NO.					DOCUMENT NO.
				SEE BOM					SD-33471-031
		ANGULAR ± 3 °				SHEET NO. 2 OF 7			
		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			

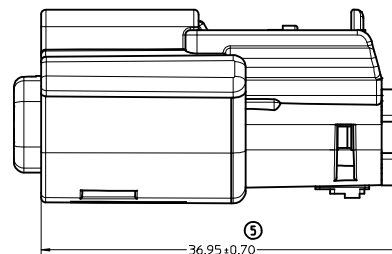
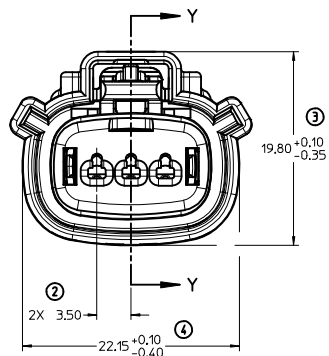
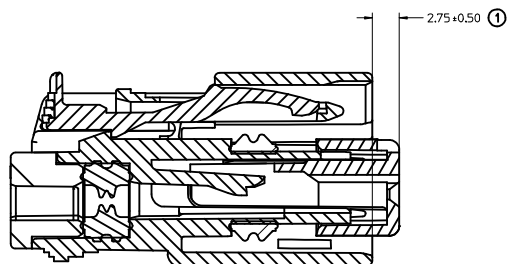
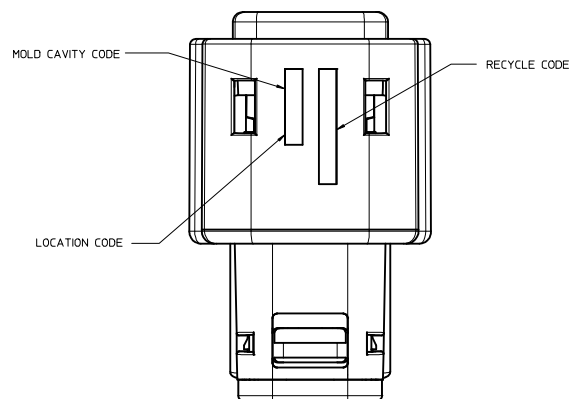
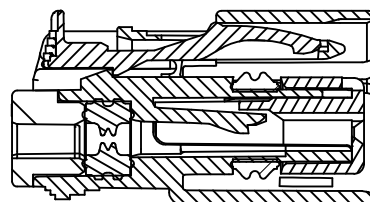


Diagram illustrating the rear view of the wire harness side of the vehicle, showing terminal positions 1 and 3, and a minimum pass-thru clearance of 624.97.



SECTION Z-Z



SECTION Y-Y

ENTER DESCRIPTION EC NO: JAUZ04-774 REV: 06	DATE: 2014/05/15 CHKD: JAUZEL SKI APPR: WOSBY	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33471-031	SHEET NO. 3 OF 7
				4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.30 ± --- 0 PLACE ± --- ± ---	CHECKED BY DGRIFTHS	DATE 6/18/2002				
				APPROVED BY FHOLUB	DATE 06/18/2002					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				ANGULAR ± 3°		MATERIAL NO. SEE BOM				
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-33471-031.

-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-34949-0001.

BACKSHELL (BKS)

RECEPTACLE SEALED ASSEMBLY

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34949-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

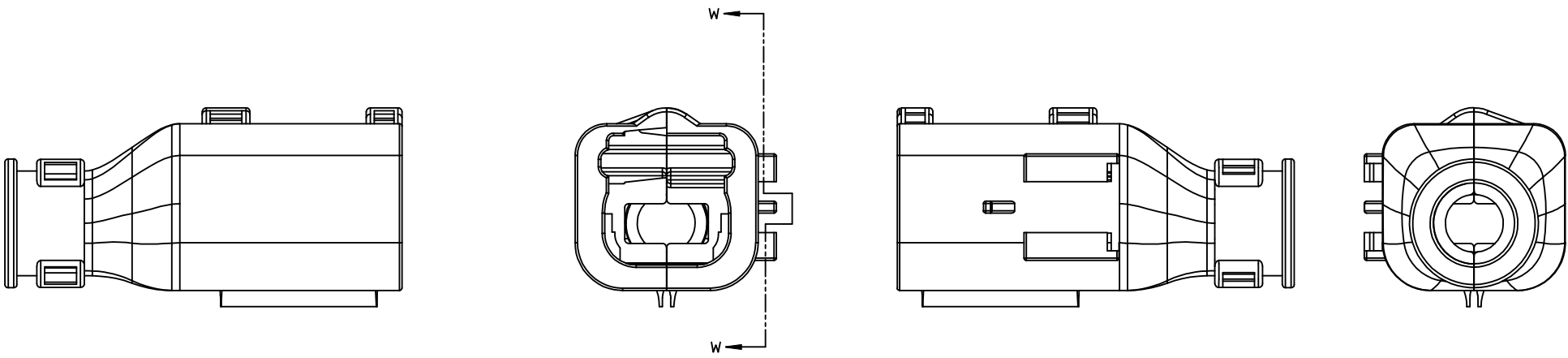
MX150 CIRCUIT SIZE 02, 03, 04, 05, 06

ENTER DESCRIPTION IEC NO: UAU2014-1774 DRAWN: JZELSKI 2014/05/15 CHKD: APPR: WOSHY 2014/05/19 REV G6	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
				mm	INCH									
		4 PLACES	± ---	± ---		DRAWN BY DMARCOUX	DATE 06/18/2002							
		3 PLACES	± ---	± ---		CHECKED BY DATE DGRIFITHS	6/18/2002							
		2 PLACES	± 0.1	± ---		APPROVED BY DATE FHOLUB	06/18/2002							
		1 PLACE	± 0.30	± ---										
		0 PLACE	±	±										
		ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		SEE BOM						SD-33471-031		SHEET NO. 4 OF 7
		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
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



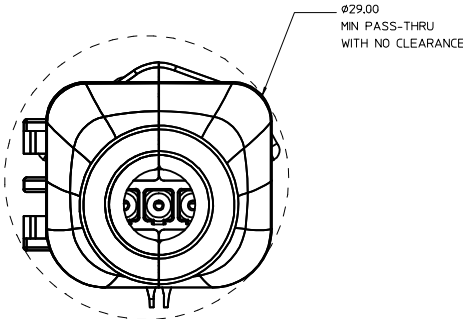
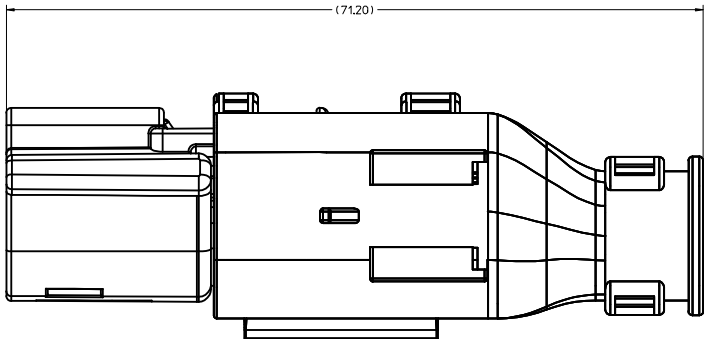
SECTION W-W

ENTER DESCRIPTION EC NO. UAU2014-1774 DRAWN: JIZELSKI 2014/05/15 CHKD: APPR: WOSHY 2014/05/19 REV 06	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION
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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 CONFIGURATIONS



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO: UAU2014-1774 Q6 DRAWN: JZELSKI CHKD: APPR: WOSHY REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESIGNATION 2014/05/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex SD-33471-031	
					DRAWN BY DMARCOUX	DATE 06/18/2002					
					CHECKED BY DGRIFITHS	DATE 6/18/2002					
					APPROVED BY FHOLUB	DATE 06/18/2002					
					MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33471-031		SHEET NO. 6 OF 7		
					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

BOM

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	ENTRY TYPE & REVISION X=PLUMB			CPA	STATUS	OPTIONAL ATTACHMENTS SOLD SEPARATELY	
			1	2	3			MOOREWELL WITH PHS	MOOREWELL WITHOUT PHS
33471-0301	BLACK	A				-	SALEABLE	34949-0310	34949-0320
33471-0302	LT.GRAY	B				-	SALEABLE	34949-0310	34949-0320
33471-0303	BROWN	C				-	NOT RECOMMENDED---SEE P/N 33471-0343	34949-0310	34949-0320
33471-0304	GREEN	D				-	NOT RECOMMENDED---SEE P/N 33471-0344	34949-0310	34949-0320
33471-0305							VOIDED		
33471-0306	BLACK	A				YES	SALEABLE	34949-0310	34949-0320
33471-0307	LT.GRAY	B				YES	SALEABLE	34949-0310	34949-0320
33471-0308	BROWN	C				YES	NOT RECOMMENDED---SEE P/N 33471-0340	34949-0310	34949-0320
33471-0309	GREEN	D				YES	NOT RECOMMENDED---SEE P/N 33471-0346	34949-0310	34949-0320
33471-0310							VOIDED		
33471-0311	BLACK	A			X	-	SALEABLE	34949-0310	34949-0320
33471-0312	LT.GRAY	B			X	-	SALEABLE	34949-0310	34949-0320
33471-0313	BROWN	C			X	-	SALEABLE	34949-0310	34949-0320
33471-0314	GREEN	D			X	-	SALEABLE	34949-0310	34949-0320
33471-0315							VOIDED		
33471-0316	BLACK	A			X	YES	SALEABLE	34949-0310	34949-0320
33471-0317	LT.GRAY	B			X	YES	SALEABLE	34949-0310	34949-0320
33471-0318	BROWN	C			X	YES	SALEABLE	34949-0310	34949-0320
33471-0319	GREEN	D			X	YES	SALEABLE	34949-0310	34949-0320
33471-0320							VOIDED		
33471-0321	BLACK	A	X		X	-	SALEABLE	34949-0310	34949-0320
33471-0322	LT.GRAY	B	X		X	-	SALEABLE	34949-0310	34949-0320
33471-0323	BROWN	C	X		X	-	SALEABLE	34949-0310	34949-0320
33471-0324	GREEN	D	X		X	-	SALEABLE	34949-0310	34949-0320
33471-0325							VOIDED		
33471-0326	BLACK	A	X		X	YES	SALEABLE	34949-0310	34949-0320
33471-0327	LT.GRAY	B	X		X	YES	SALEABLE	34949-0310	34949-0320
33471-0328	BROWN	C	X		X	YES	SALEABLE	34949-0310	34949-0320
33471-0329	GREEN	D	X		X	YES	SALEABLE	34949-0310	34949-0320
33471-0330							VOIDED		
33471-0331	BLACK	A	X	X	X	-	SALEABLE	34949-0310	34949-0320
33471-0332	LT.GRAY	B	X	X	X	-	SALEABLE	34949-0310	34949-0320
33471-0333	BROWN	C	X	X	X	-	SALEABLE	34949-0310	34949-0320
33471-0334	GREEN	D	X	X	X	-	SALEABLE	34949-0310	34949-0320
33471-0335							VOIDED		
33471-0336	BLACK	A		X		YES	SALEABLE	34949-0310	34949-0320
33471-0337	BLACK	A		X		-	SALEABLE	34949-0310	34949-0320
33471-0338	BLACK	A	X	X	X	YES	SALEABLE	34949-0310	34949-0320
33471-0339	BLACK	A	X			-	SALEABLE	34949-0310	34949-0320
33471-0340	DK.GRAY	C				YES	SALEABLE	34949-0310	34949-0320
33471-0341	LT.GRAY	B		X		YES	SALEABLE	34949-0310	34949-0320
33471-0342	DK.GRAY	C		X		YES	SALEABLE	34949-0310	34949-0320
33471-0343	DK.GRAY	C				-	SALEABLE	34949-0310	34949-0320
33471-0344	ST.GRAY	D				-	SALEABLE	34949-0310	34949-0320
33471-0345	DK.GRAY	C				YES	OBSOLETE---SEE P/N 33471-0340	34949-0310	34949-0320
33471-0346	ST.GRAY	D				YES	SALEABLE	34949-0310	34949-0320
33471-0347	YELLOW	A				YES	SALEABLE	34949-0310	34949-0320

*FOR ASSEMBLY P/N'S 33471-0340 AND 33471-0342 REFER TO SALEABLE KEY OPTION C ASSEMBLY P/N'S ABOVE

ENTER DESCRIPTION IEC NO. UAU2014-1774 DRAWN: IZUZELSKI 2014/05/15 CHKD: APPR: WOSHY 2014/05/19 REV G6	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				DRAWN BY DATE DMARCOUX 06/18/2002		TITLE				
				CHECKED BY DATE DGRIFITHS 6/18/2002						
				APPROVED BY DATE FHOLUB 06/18/2002						
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 7 OF 7		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		SEE BOM				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	RUBBER BOOT CONFIGURATION
6	BOM
7	RUBBER BOOT INTERFACE

GROMMET CAP, STANDARD (GC)

MAT SEAL

CONNECTOR HOUSING
FOR OPTIONS SEE BOM

PRIMARY LOCK REINFORCEMENT (PLR)

MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD (STD)

GROMMET CAP WITH
RUBBER BOOT ATTACHMENT (GCB)

MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY

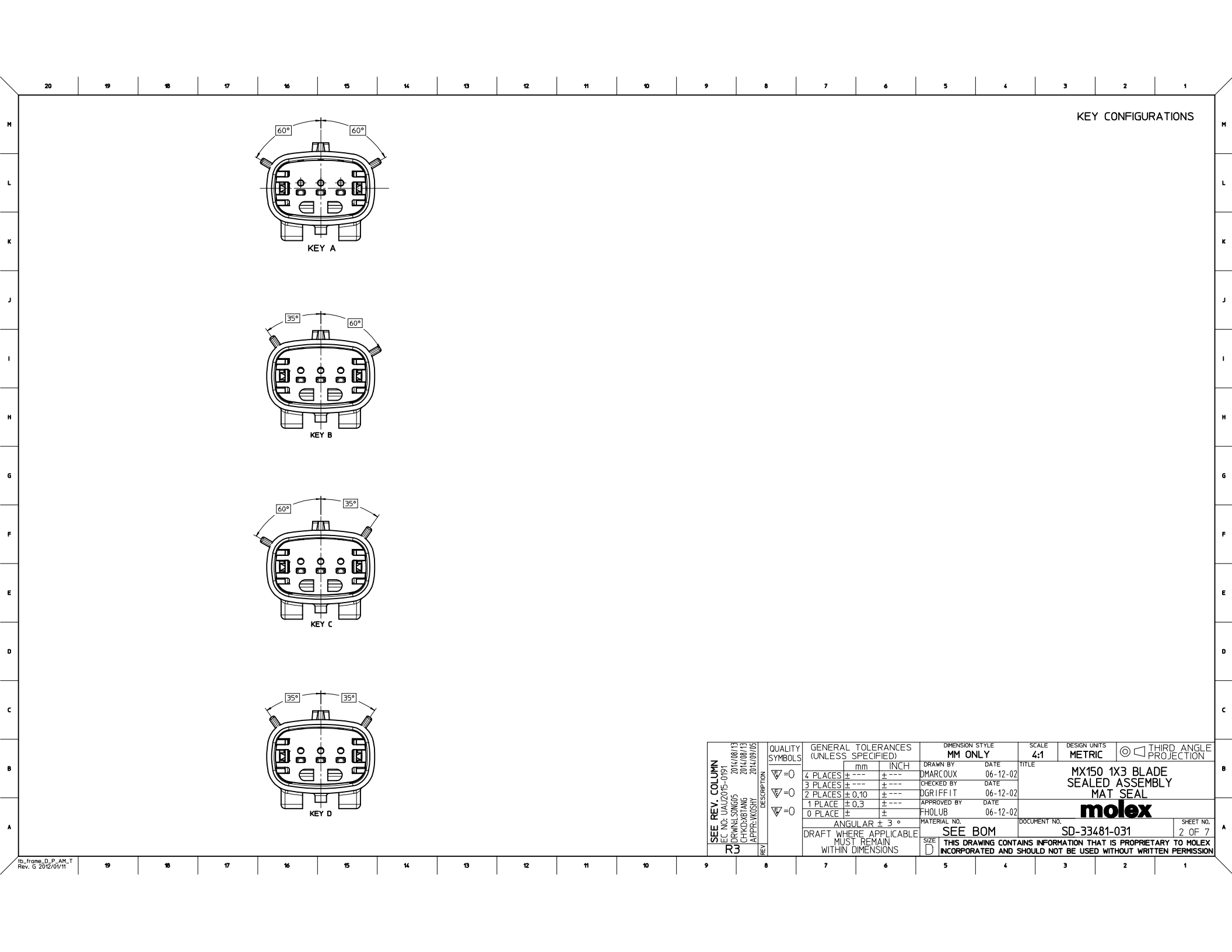
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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-33471-031.
-FOR 1.5mm 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 45 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 PS-40000-5016
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS
(COMPANY ID#13255)
2. DESIGN - MATERIALS:
a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
b. MAT SEAL: INHERENTLY LUBRICATED SILICONE
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

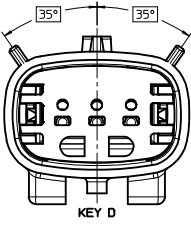
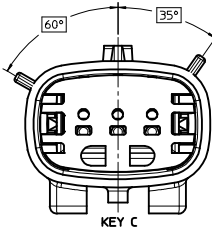
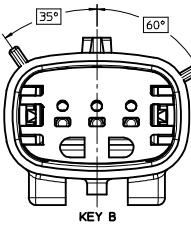
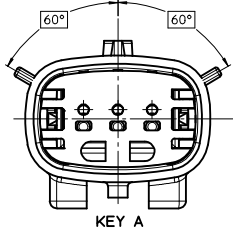
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ADDED:
REMOVED:

SEE REV. COLUMN EC NO: UAU2015-0191 DRAWN: SONGOS 2014/08/13 CHKD: BTANG 2014/08/13 APPR: IKOSHY 2014/09/05 REV R3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DMARCOUX 06-12-02 CHECKED BY DATE DGRIFFIT 06-12-02 APPROVED BY DATE FHOLUB 06-12-02 MATERIAL NO. SEE BOM SIZE D	SCALE 3:1 TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex SD-33481-031 DOCUMENT NO. SD-33481-031 SHEET NO. 1 OF 7	THIRD ANGLE PROJECTION

R3	DEVIATED THE DIM 16
R2	RELEASED P/N 33481-0341
R1	RELEASED P/N 33481-0340, DELETED P/N 33481-0331
R	ADD RUBBER BOOT CONFIGURATION
Q	UPDATE P/N 33481-0326 TO 33481-0330
P	ADD NEW P/N 33481-0326
N	UPDATED GROMMET CAP
M3	UPDATED DIMENSIONS TO MATCH MODEL
M2	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD
M1	UPDATED NOTES
M	REDRAWN
REV	DESCRIPTION

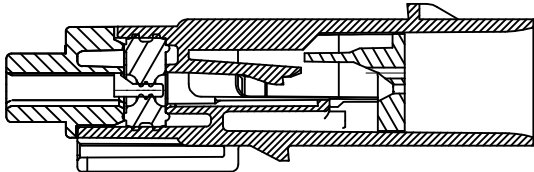
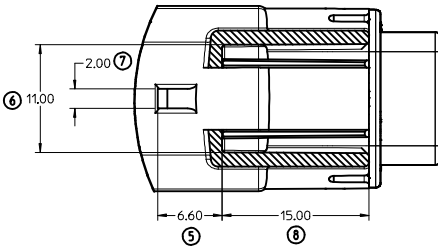
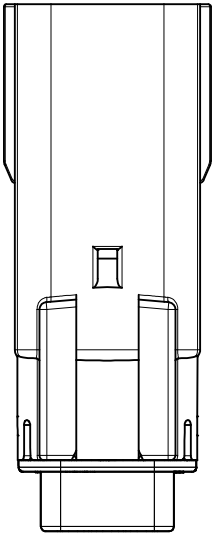
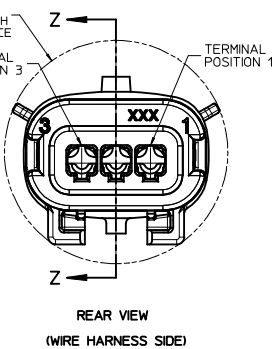
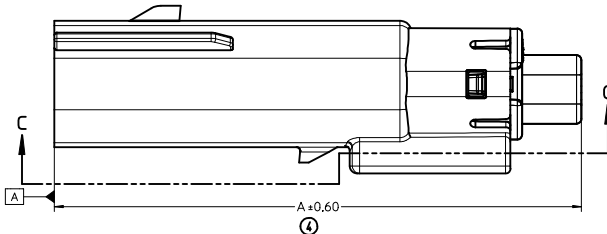
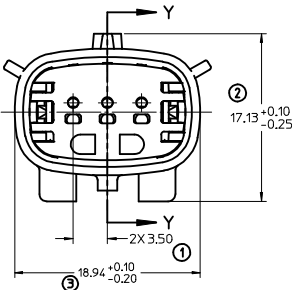
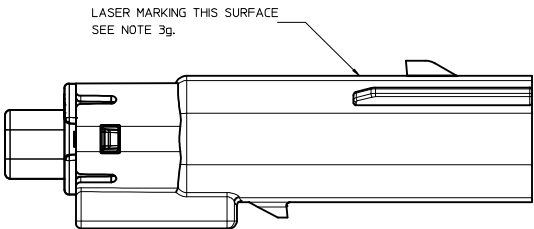


KEY CONFIGURATIONS



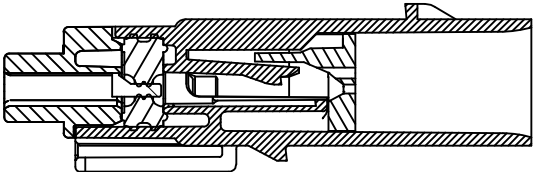
SEE REV. COLUMN EC NO: UAU2015-0191 R3 DRAWN: SONG05 CHKD: XBTANG APPR: WKSHY	2014/08/13 2014/08/13 2014/09/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				ANGULAR $\pm 3^{\circ}$		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-031		2 OF 7
						SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

BLADE SEALED ASSEMBLY



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

SECTION Z-Z



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

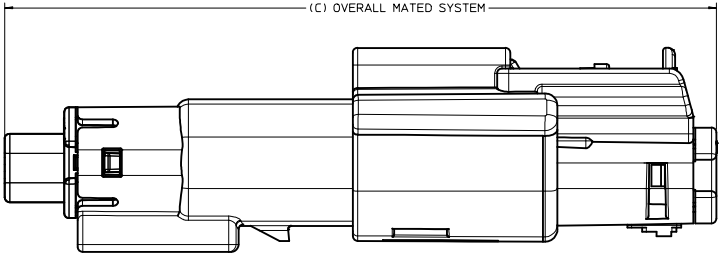
SECTION Y-Y

CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	57.85

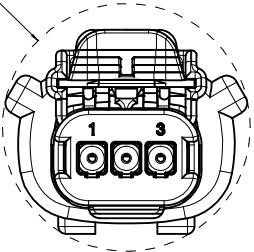
SEE REV. COLUMN R3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION DRAWING: SONGS CHKD: XTANG APPR: WOSHY REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex SD-33481-031	SHEET NO. 3 OF 7			
					DRAWN BY DMARCOUX	DATE 06-12-02	TITLE							
			4 PLACES ± ---		± ---		CHECKED BY DGRIFFIT	DATE 06-12-02						
			3 PLACES ± ---		± ---		APPROVED BY DATE							
			2 PLACES ± 0.10		± ---		FHOLUB		DATE 06-12-02					
			1 PLACE ± 0.3		± ---		MATERIAL NO.		DOCUMENT NO.					
			0 PLACE ±		±		SEE BOM							
			ANGULAR ± 3 °				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							

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

SYSTEM PACKAGING



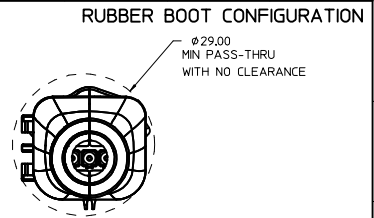
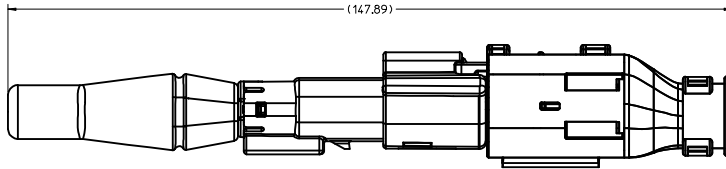
Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



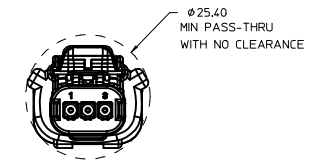
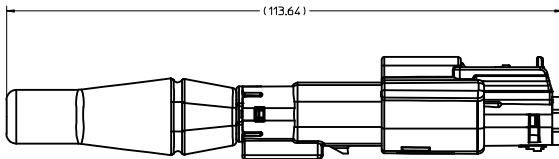
CHARTED DIMENSIONS	
CONFIGURATION	C
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	72.71
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	76.71

SEE REV. COLUMN EC NO: UAU2015-0191 DRAWN: SONG05 CHKD: XBTANG APPR: W05HY	REV R3	DESCRIPTION 2014/08/13 2014/08/13 2014/09/05	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DMARCOUX 06-12-02 CHECKED BY DATE DGRIFFIT 06-12-02 APPROVED BY DATE FHOLUB 06-12-02	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33481-031	SHEET NO. 4 OF 7

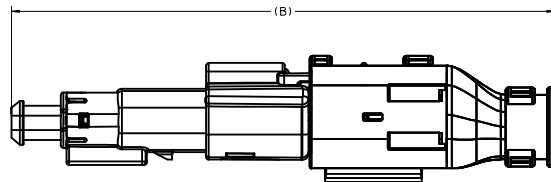
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



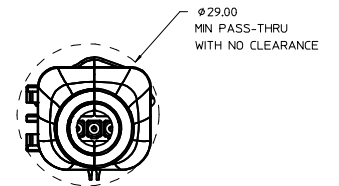
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL



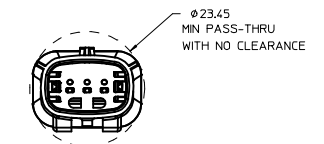
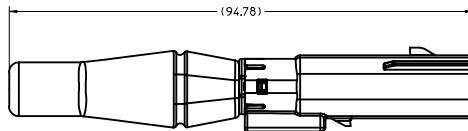
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



CHARTED DIMENSIONS		
CONFIGURATION		B
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD		106.96
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION		110.96



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE RUBBER BOOT

SEE REV. COLUMN EC NO: UAU2015-0191 DRWN: LSONG05 CHKD: XBTANG APPR: WKSHY R3	DESCRIPTION 2014/08/13 2014/08/13 2014/09/05	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
					MM ONLY		2:1	METRIC	
			mm	INCH	DRAWN BY	DATE	TITLE		
			4 PLACES ± ---	± ---	MMORXOUX	06-12-02			
			3 PLACES ± ---	± ---	CHECKED BY	DATE	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL		
			2 PLACES ± 0.10	± ---	DGRIFFIT	06-12-02			
			1 PLACE ± 0.3	± ---	APPROVED BY	DATE	DOCUMENT NO.		
			0 PLACE ±	±	FHOLUB	06-12-02			
			ANGULAR ± 3 °		MATERIAL NO.		SD-33481-031		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM				
REV					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO. 5 OF 7

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

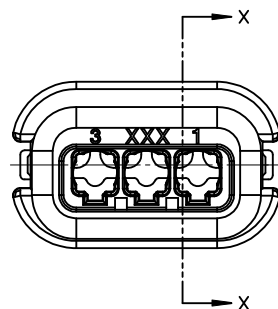
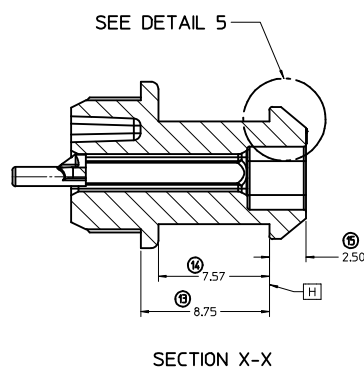
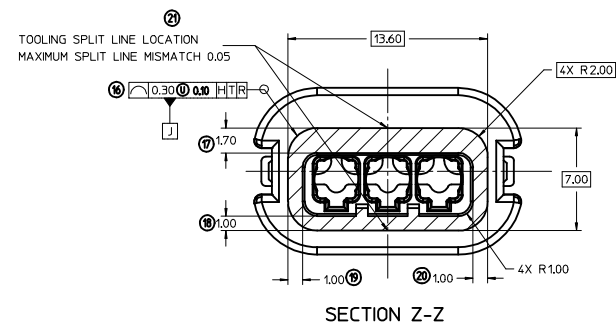
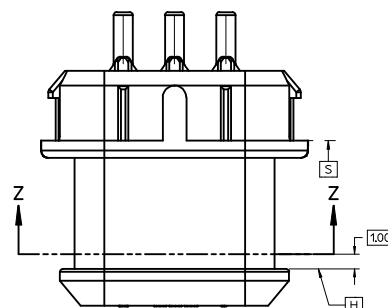
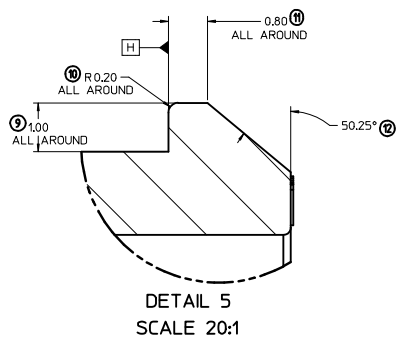
BOM

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3		
33481-0301	BLACK	A					NOT AVAILABLE
33481-0302	LT. GRAY	B					NOT AVAILABLE
33481-0303	BROWN	C				NOT RECOMMENDED, SEE P/N 33481-0322	NOT AVAILABLE
33481-0304	GREEN	D				NOT RECOMMENDED, SEE P/N 33481-0323	NOT AVAILABLE
33481-0305	CUSTOM	TBD					NOT AVAILABLE
33481-0306	BLACK	A			X		NOT AVAILABLE
33481-0307	LT. GRAY	B			X		NOT AVAILABLE
33481-0308	BROWN	C			X		NOT AVAILABLE
33481-0309	GREEN	D			X		NOT AVAILABLE
33481-0310	CUSTOM	TBD			X		NOT AVAILABLE
33481-0311	BLACK	A	X		X		NOT AVAILABLE
33481-0312	LT. GRAY	B	X		X		NOT AVAILABLE
33481-0313	BROWN	C	X		X		NOT AVAILABLE
33481-0314	GREEN	D	X		X		NOT AVAILABLE
33481-0315	CUSTOM	TBD	X		X		NOT AVAILABLE
33481-0316	BLACK	A	X	X	X		NOT AVAILABLE
33481-0317	LT. GRAY	B	X	X	X		NOT AVAILABLE
33481-0318	BROWN	C	X	X	X	NOT RECOMMENDED, SEE P/N 33481-0324	NOT AVAILABLE
33481-0319	GREEN	D	X	X	X	NOT RECOMMENDED, SEE P/N 33481-0325	NOT AVAILABLE
33481-0320	CUSTOM	TBD	X	X	X		NOT AVAILABLE
33481-0321	BLACK	A		X			NOT AVAILABLE
33481-0322	DK. GRAY	C					NOT AVAILABLE
33481-0323	ST. GRAY	D					NOT AVAILABLE
33481-0324	DK. GRAY	C	X	X	X		NOT AVAILABLE
33481-0325	ST. GRAY	D	X	X	X		NOT AVAILABLE
33481-0330	YELLOW	A					NOT AVAILABLE
33481-0340	BLACK	A				RUBBER BOOT CONFIGURATION	P/N TBD
33481-0341	BLACK	A	X	X	X	RUBBER BOOT CONFIGURATION	P/N TBD

SEE REV. COLUMN SEC NO: UAU2015-0191 DRAWN: SONGOS CHKD: XTANG APPR: IKOSHY REV R3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY DMARCOUX	DATE 06-12-02			
		4 PLACES ± --- ± ---		CHECKED BY DGRIFFIT		DATE 06-12-02		MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex		
		3 PLACES ± --- ± ---		APPROVED BY FHOLUB		DATE 06-12-02				
		2 PLACES ± 0.10 ± ---		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 6 OF 7		
		1 PLACE ± 0.3 ± ---		SEE BOM		SD-33481-031				
		0 PLACE ± ±		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				

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

RUBBER BOOT INTERFACE



SEE REV. COLUMN REF NO.: IAL12015-0191 DRAWING SINGS CHKD BY: JMS APPD: WJSHY 2014/08/13 2014/08/13 2014/09/05	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY DATE		TITLE					
			▽=0		4 PLACES ± mm ± INCH		DMARCOUX 06-12-02		MX150 1X3 BLADE			
			▽=0		3 PLACES ± mm ± INCH		CHECKED BY DATE		SEALED ASSEMBLY			
			▽=0		2 PLACES ±0.10 mm ± INCH		DGRFFIT 06-12-02		MAT SEAL			
			▽=0		1 PLACE ±0.3 mm ± INCH		APPROVED BY DATE		molex			
					0 PLACE ± mm ± INCH		FHOLUB 06-12-02					
					ANGULAR ± 3°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-031		7 OF 7	
							SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					