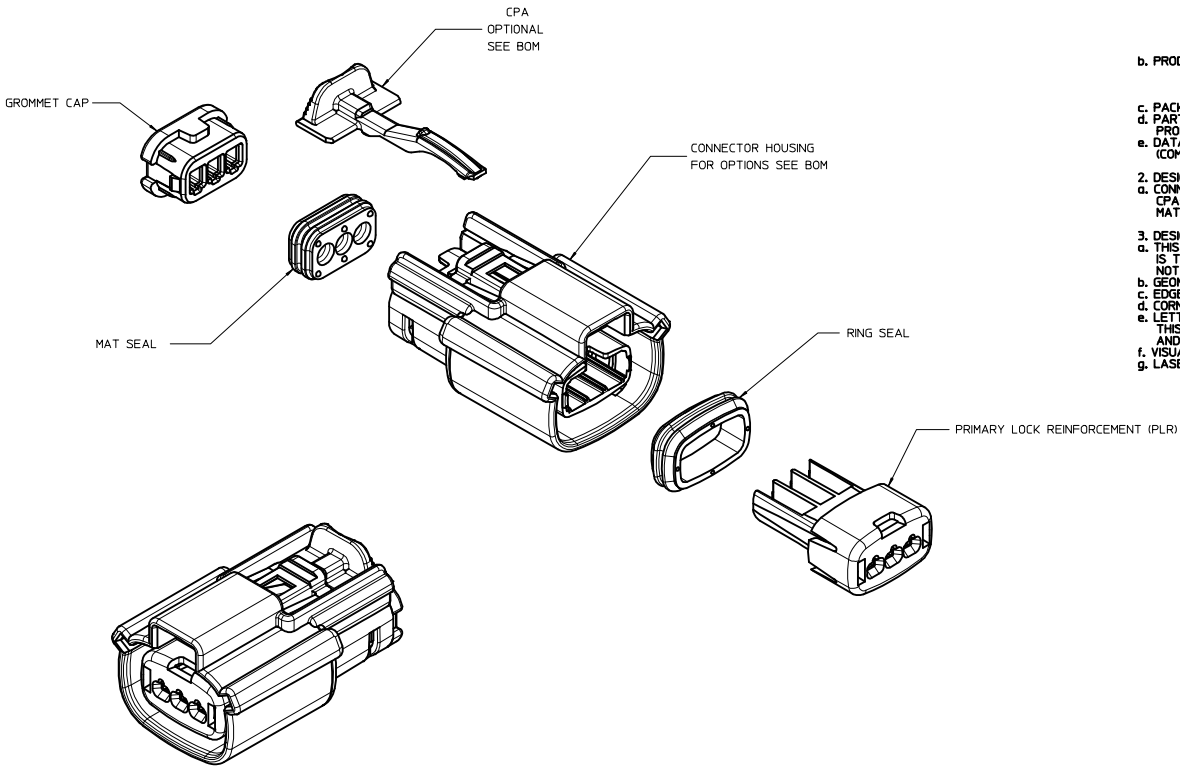


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1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATION
7	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

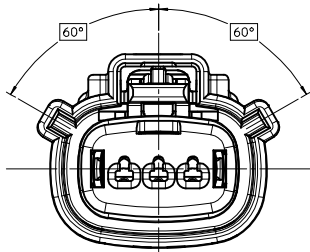
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION 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 12 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:

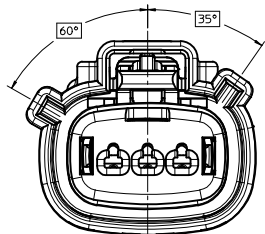
Q6	UPDATED VIEWS		
Q5	ADD BACKSHELL CONFIGURATION		
Q4	ADD NEW P/N 33471-0347		
Q3	334710345 IS SAME AS 334710340 SO VOID 334710345		
Q2	CHANGE THE STATUS TO SALEABLE		
Q1	UPDATED NOTES		
Q	REDRAWN		
REV	DESCRIPTION		
SCALE	DESIGN UNITS	THIRD ANGLE	
3:1	METRIC	PROJECTION	
TITLE			
MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL			
molex			
DOCUMENT NO.		SHEET NO.	
SD-33471-031		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		

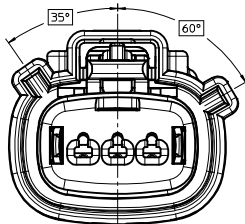
KEY CONFIGURATIONS



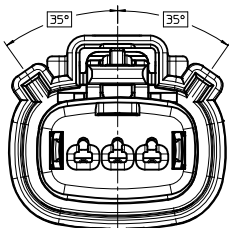
KEY A



KEY B



KEY C

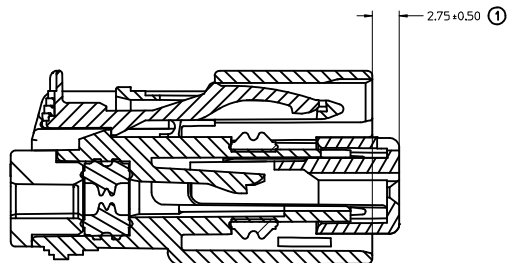
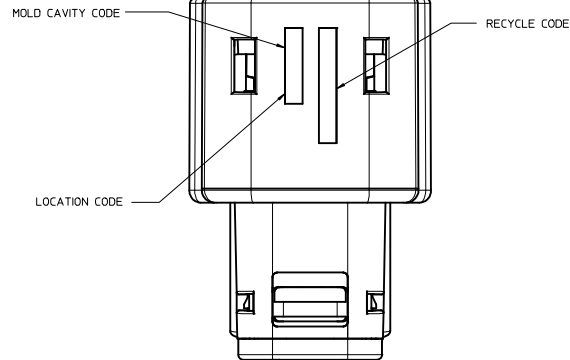
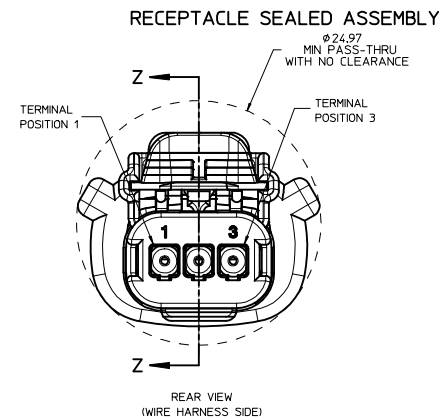
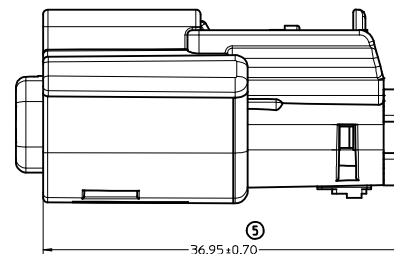
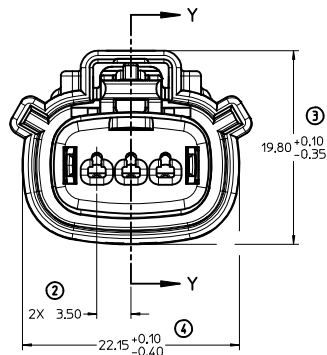
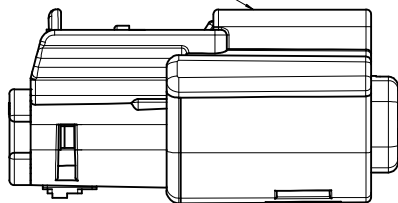


KEY D

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		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
					MM ONLY		4:1	METRIC	
					DRAWN BY DATE		TITLE		
			4 PLACES ± --- ± ---		DMARCOUX 06/18/2002				
			3 PLACES ± --- ± ---		CHECKED BY DATE				
			2 PLACES ± 0.1 ± ---		DGRIFTHS 6/18/2002				
			1 PLACE ± 0.30 ± ---		APPROVED BY DATE				
			0 PLACE ± ±		FHOLUB 06/18/2002				
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33471-031		SHEET NO. 2 OF 7			
		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

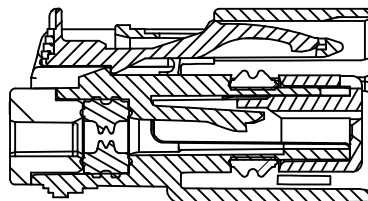
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



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

SECTION Z-Z



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL LOCK POSITION

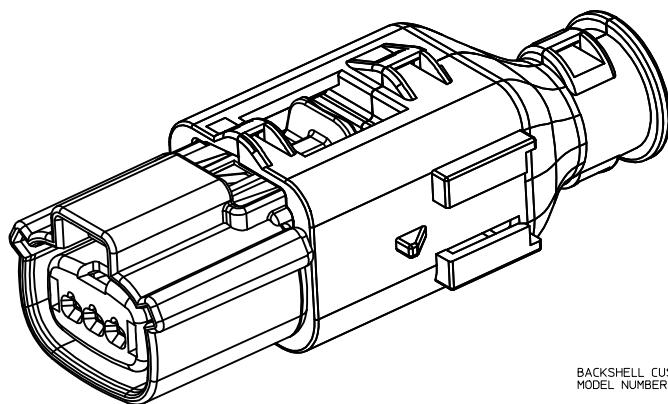
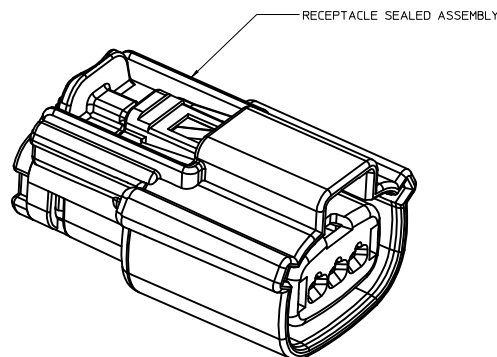
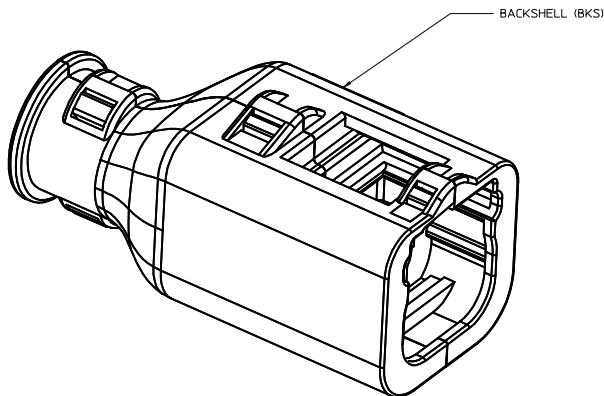
SECTION Y-Y

ENTER DESCRIPTION IEC NO: UAU2014-1774 DRAWN: ZUZELSKI 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	
				mm	INCH	DRAWN BY DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL		
		4 PLACES ±		---	---	CHECKED BY DGRIFITHS	DATE 6/18/2002	DOCUMENT NO. SD-33471-031		
		3 PLACES ±		---	---					
		2 PLACES ±		0.1	---					
		1 PLACE ±		0.30	---					
		0 PLACE ±		---	---	MATERIAL NO. SEE BOM		SHEET NO. 3 OF 7		
				ANGULAR ± 3 °						
				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

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

BACKSHELL NOTES



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

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. APPLICATION SPECIFICATION SEE: AS-34951-001

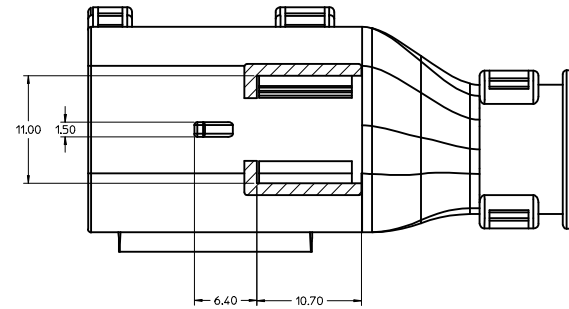
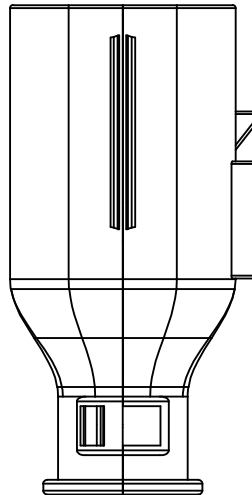
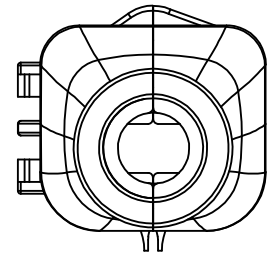
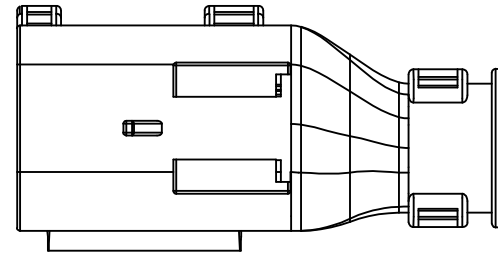
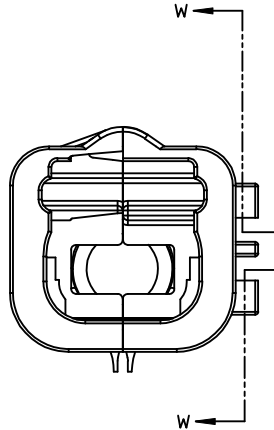
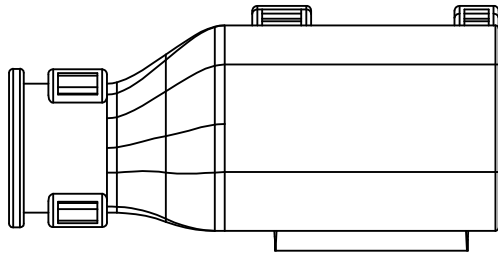
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-031.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
- COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
- BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
- FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34949-0001.

ENTER DESCRIPTION IEC NO: UAU2014-1774 DRAWN: JZELSKI CHKD: APPR: WOSHY REV G6	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION 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	DOCUMENT NO. SD-33471-031	SHEET NO. 4 OF 7
				mm	INCH	DRAWN BY DMARCOUX	DATE 06/18/2002						
			4 PLACES ±	---	---	CHECKED BY DGRIFITHS	DATE 6/18/2002						
			3 PLACES ±	---	---	APPROVED BY FHOLUB	DATE 06/18/2002						
			2 PLACES ±	0.1	---								
			1 PLACE ±	0.30	---								
0 PLACE ±		---											
			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									

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



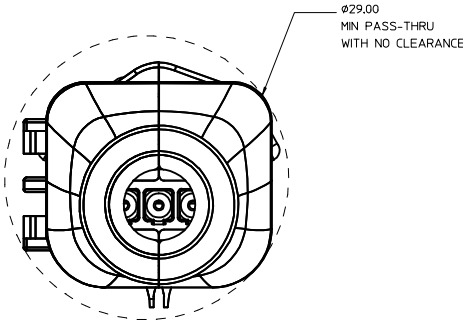
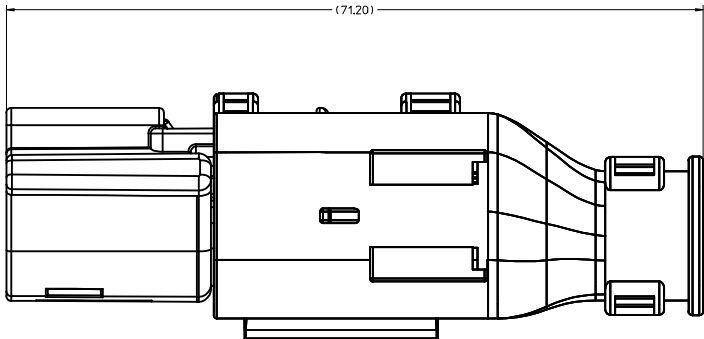
SECTION W-W

ENTER DESCRIPTION EC NO. IAU2014-1774 DRAWN: JIZELSKI CHKD: APPR: WOSHY REV 06	DESCRIPTION 2014/05/19	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	DOCUMENT NO. SD-33471-031	SHEET NO. 5 OF 7
			4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.1 1 PLACE ± 0.30 0 PLACE ±	mm INCH	DRAWN BY DMARCOUX CHECKED BY DGRIFTHS APPROVED BY FHOLUB	DATE 06/18/2002 6/18/2002 06/18/2002	MATERIAL NO. SEE BOM	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										

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 DRAWN: JZELSKI CHKD: APPR: WOSHY Q6	REVISION DESCRIPTION REV	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	DOCUMENT NO. SD-33471-031	SHEET NO. 6 OF 7	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE BOM		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

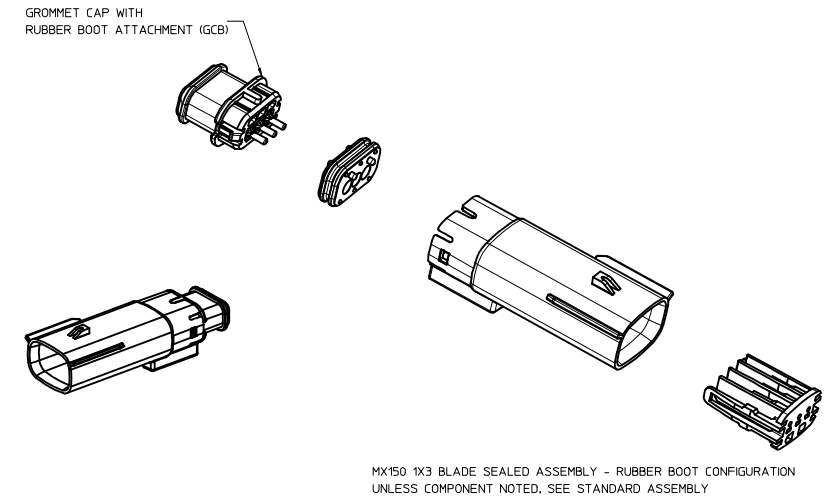
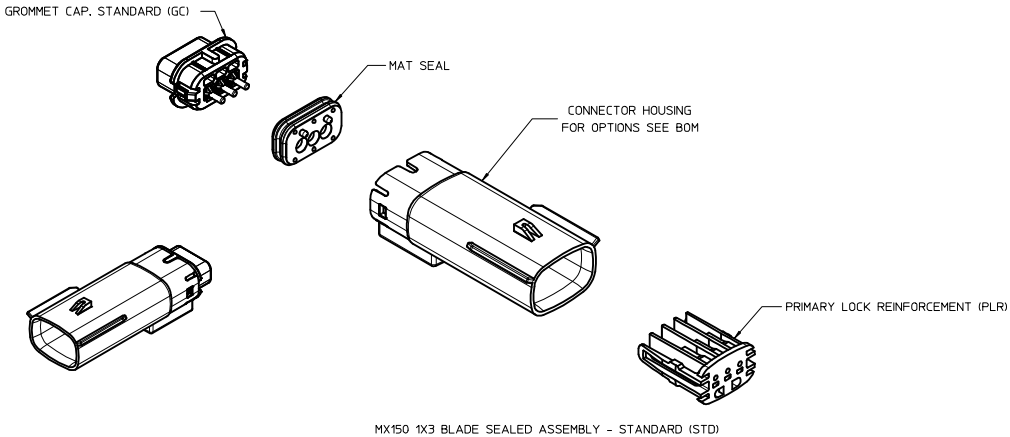
BOM

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	ENTRY TYPE & REVISION X=PLUMB			CPA	STATUS	OPTIONAL ATTACHMENTS SOLD SEPARATELY	
			1	2	3			BACKSHELL WITH PINS	BACKSHELL WITHOUT PINS
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: IZUELSKI 2014/05/15 CHKD: APPR: WOSHY REV G6	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.1 ± --- 1 PLACE ± 0.30 ± --- 0 PLACE ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DMARCOUX 06/18/2002 CHECKED BY DATE DGRIFFI THS 6/18/2002 APPROVED BY DATE FHOLUB 06/18/2002	SCALE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	MATERIAL NO. SEE BOM DOCUMENT NO. SD-33471-031 SHEET NO. 7 OF 7

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



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

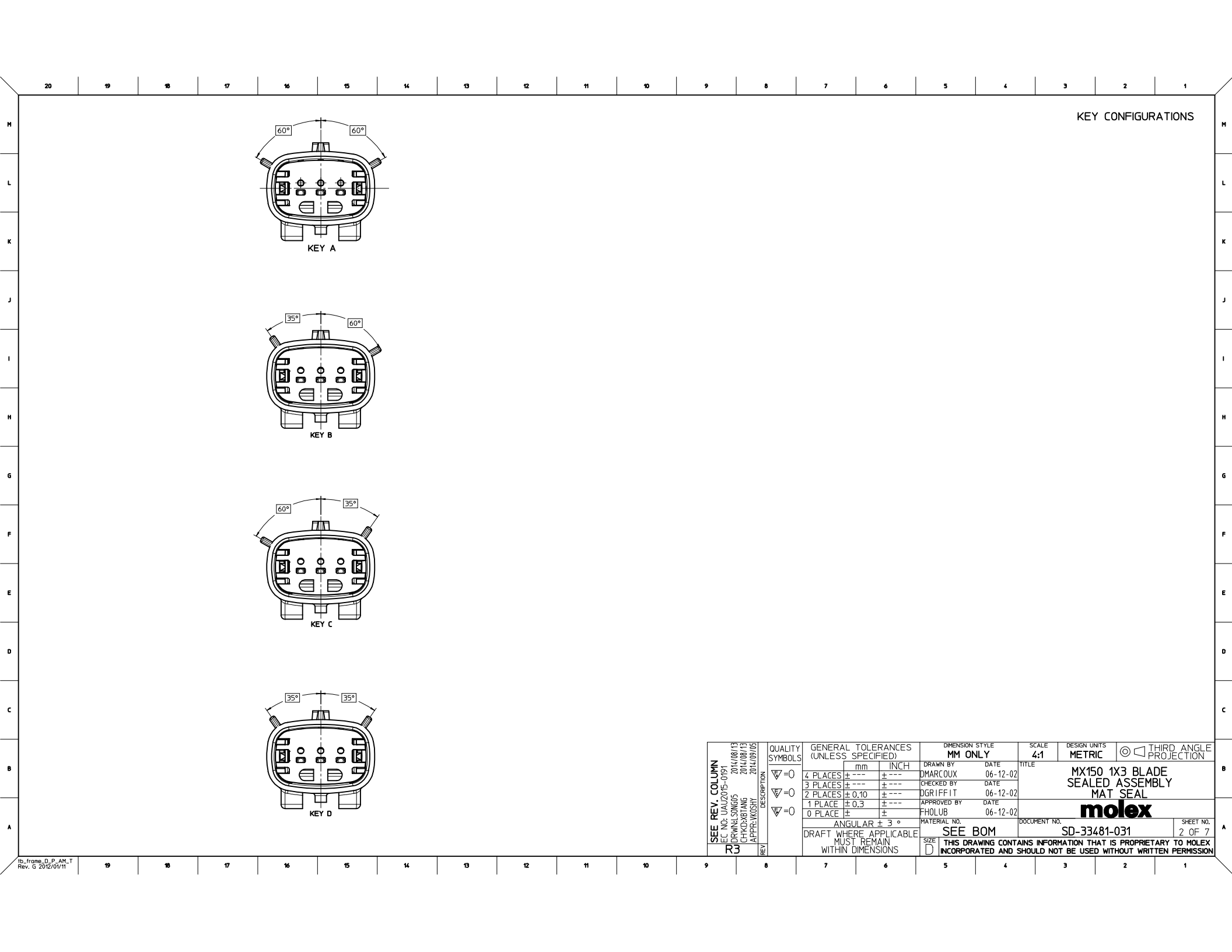
3. DESIGN - GEOMETRY:
a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
c. EDGES AND UNDIMENSIONED DETAILS PER 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

INSPECTION NUMBER LOG
LAST NUMBER USED: 21
ADDED:
REMOVED:

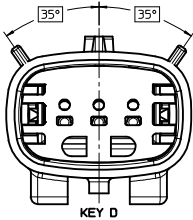
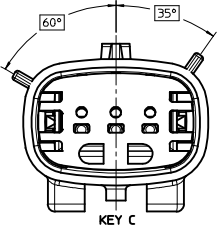
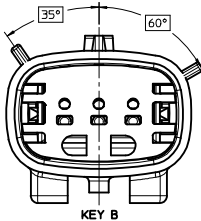
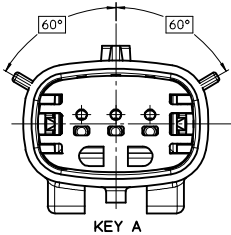
SEE REV. COLUMN EC NO: UAU2015-0191 R3 DRAWN: SONGOS 2014/08/13 CHKD: BTANG 2014/08/13 APPR: IKOSHY 2014/09/05 REV		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESCRIPTION	
		▽=0		mm INCH		MM ONLY		3:1		METRIC	
		▽=0		4 PLACES ± ---		DRAWN BY DATE		TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex		THIRD ANGLE PROJECTION	
		▽=0		3 PLACES ± ---		CHECKED BY DATE					
				2 PLACES ± 0.10		DGR1FF1T 06-12-02					
				1 PLACE ± 0.3		APPROVED BY DATE					
				0 PLACE ±		FHLUB 06-12-02					
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-031		1 OF 7	
						SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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
M3	UPDATED GROMMET CAP
N	UPDATED DIMENSIONS TO MATCH MODEL
M2	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD
M1	UPDATED NOTES
	REDRAWN
REV	DESCRIPTION

INSPECTION NUMBER LOG
LAST NUMBER USED: 21
ADDED:
REMOVED:



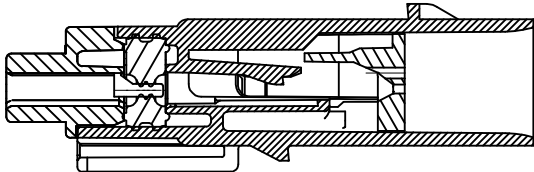
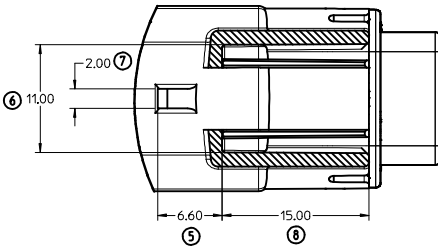
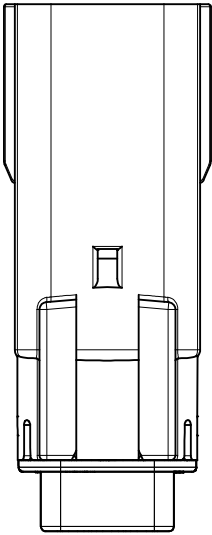
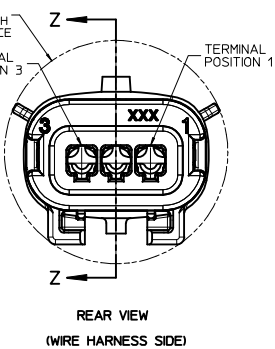
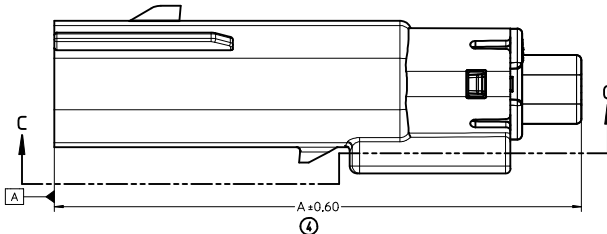
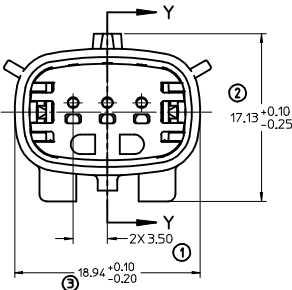
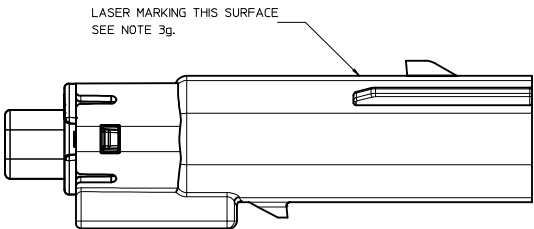
KEY CONFIGURATIONS



SEE REV. COLUMN EC NO: UAU2015-0191 R3 DRAWN: SONG05 2014/08/13 CHKD: XBTANG 2014/08/13 APPR: WKSHY 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		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			DRAWN BY DMARCOUX	DATE 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL				
			CHECKED BY DGRIFFIT	DATE 06-12-02	APPROVED BY DATE				
			FHO LUB		06-12-02	molex			
			MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33481-031				
			SHEET NO. 2 OF 7						
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

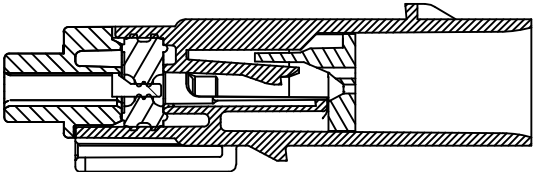
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BLADE SEALED ASSEMBLY



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

SECTION Z-Z



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

SECTION Y-Y

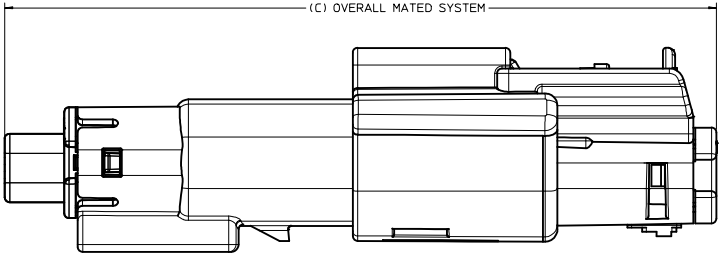
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	57.85

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

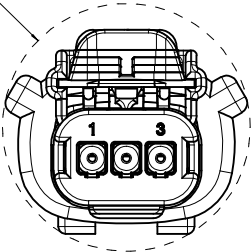
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

SYSTEM PACKAGING



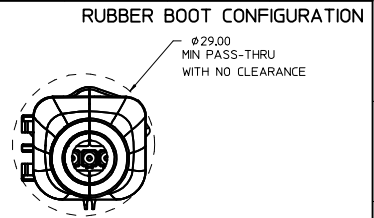
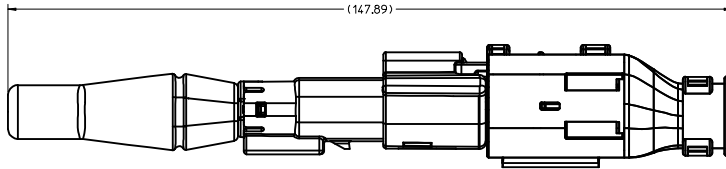
Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



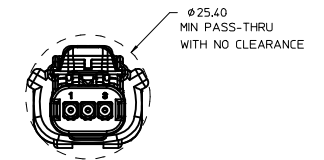
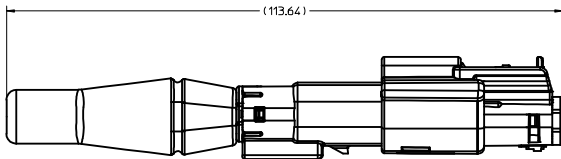
CHARTED DIMENSIONS	
CONFIGURATION	C
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	72.71
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	76.71

SEE REV. COLUMN EC NO: UAU2015-0191 DRAWN: LONG05 2014/08/13 CHKD: XBTANG 2014/08/13 APPR: W05HY 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	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL	
							molex	
							MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031
							SIZE D	SHEET NO. 4 OF 7

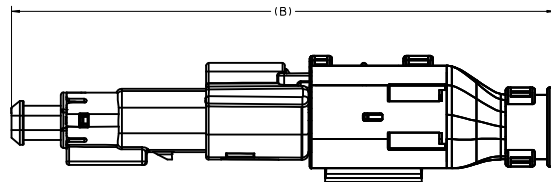
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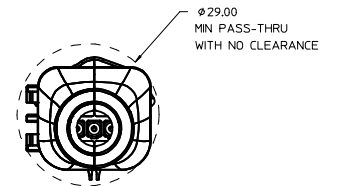
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL



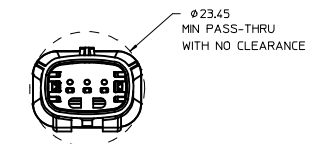
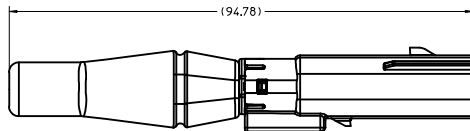
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



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

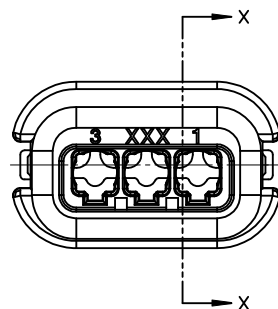
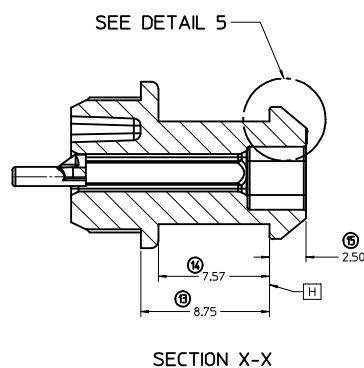
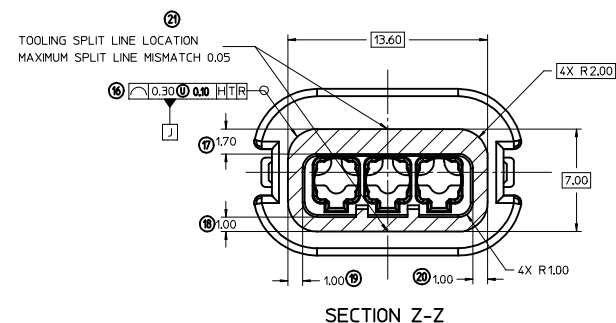
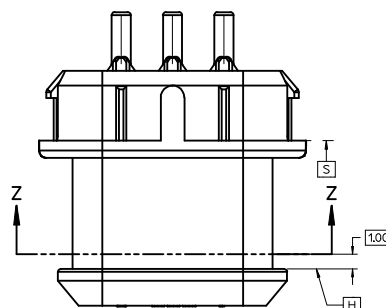
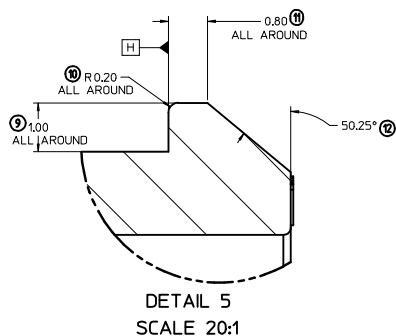
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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							
		4 PLACES ±.--- ±.---		DRAWN BY DMARCOUX		DATE 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex					
		3 PLACES ±.--- ±.---		CHECKED BY DGRIFFIT		DATE 06-12-02						
		2 PLACES ±0.10 ±.---		APPROVED BY FHOLUB		DATE 06-12-02	DOCUMENT NO. SD-33481-031					
		1 PLACE ±0.3 ±.---										
		0 PLACE ± ±										
		ANGULAR ± 3 °		MATERIAL NO.								
		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						

RUBBER BOOT INTERFACE



SEE REV. COLUMN EC NO.: UAU0705-091 DRAWING NO.: 2014/08/19 CHK'D BY: ANG APPR: WSHY 2014/08/19	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
							MM ONLY		2:1	METRIC			
							DRAWN BY	DATE	TITLE				
							DMARCOUX	06-12-02	MX150 1X3 BLADE				
							CHECKED BY	DATE	SEALED ASSEMBLY				
							DGRIFFIT	06-12-02	MAT SEAL				
							APPROVED BY	DATE	molex				
							FHOLUB	06-12-02					
							MATERIAL NO.						
			R3	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3°		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											