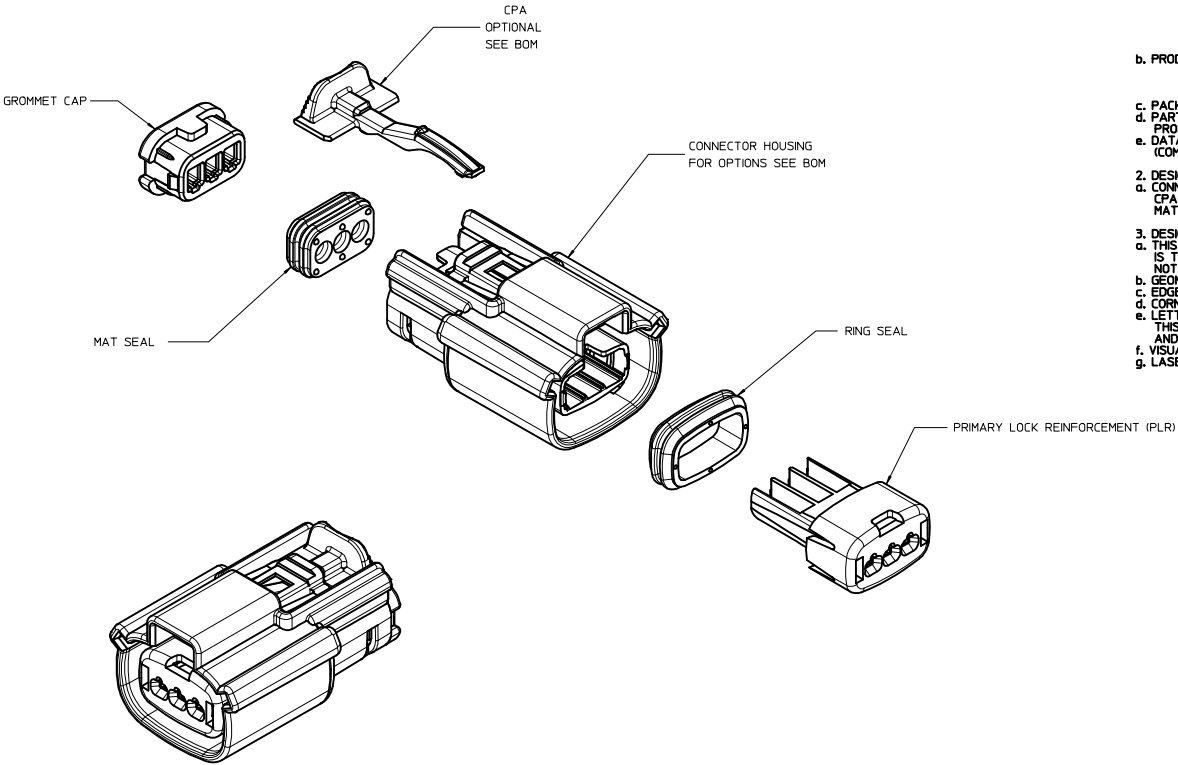


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATION
7	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

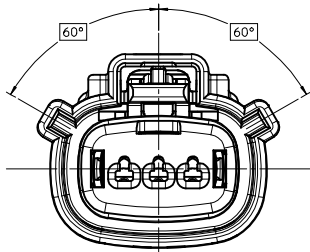
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION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

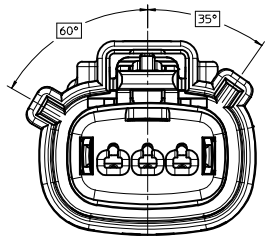
Q7	ADD NEW P/NS 33471-33XX		
Q6	UPDATED VIEWS		
Q5	ADD BACKSHELL CONFIGURATION		
Q4	ADD NEW P/N 33471-0347		
Q3	334710345 IS SAME AS 334710340 SO VOID 334710345		
Q2	CHANGE THE STATUS TO SALEABLE		
Q1	UPDATED NOTES		
Q	REDRAWN		
REV	DESCRIPTION		
SCALE 3:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE	MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex		
DOCUMENT NO. SD-33471-031		SHEET NO. 1 OF 7	
MAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

ENTER DESCRIPTION REV Q7	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.000 3 PLACES ±.001 2 PLACES ±.01 1 PLACE ±.030 0 PLACE ±.063 ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DMARCOUX CHECKED BY DGRIFITHS APPROVED BY FHOLUB DATE 06/18/2002 06/18/2002 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

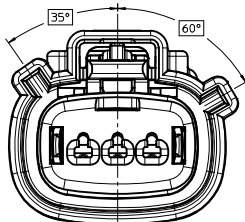
KEY CONFIGURATIONS



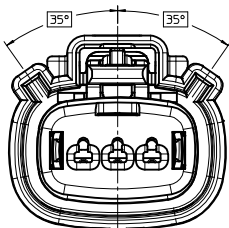
KEY A



KEY B



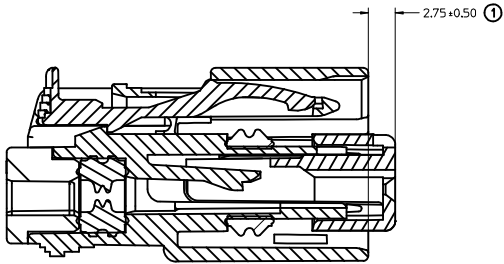
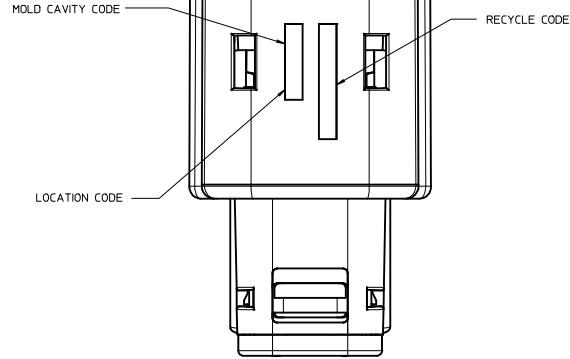
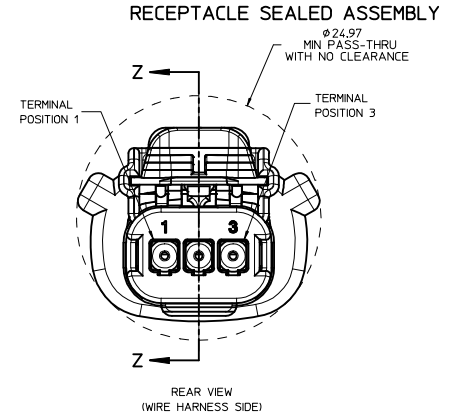
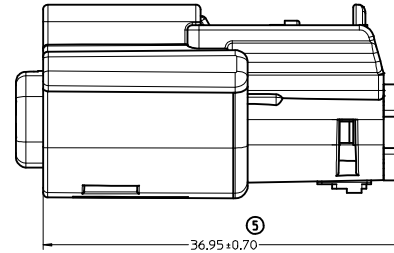
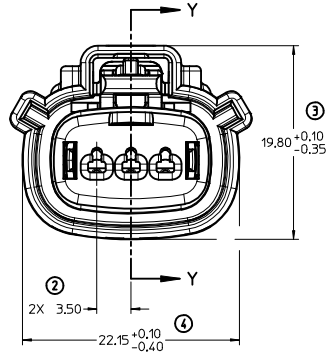
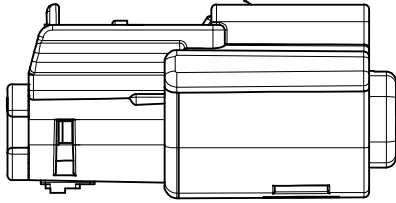
KEY C



KEY D

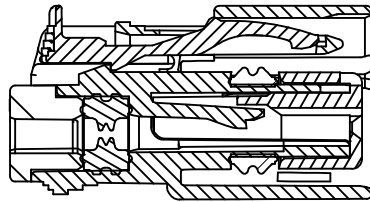
ENTER DESCRIPTION IEC NO: UAU2018-0229 DRAWN: SONG05 2017/09/12 CHKD: WJANSI, AMBROU 2017/09/12 APPR: WJANSI, AMBROU 2017/09/16 Q7	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL				
		4 PLACES	± ---	± ---	CHECKED BY DGRIFITHS	DATE 6/18/2002	APPROVED BY FHOLUB DATE 06/18/2002				
		3 PLACES	± ---	± ---							
				2 PLACES	± 0.1	± ---					
				1 PLACE	± 0.30	± ---					
				0 PLACE	±	±					
		ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.			SHEET NO. 2 OF 7	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE D		SEE BOM SD-33471-031				
											THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



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

SECTION Z-Z



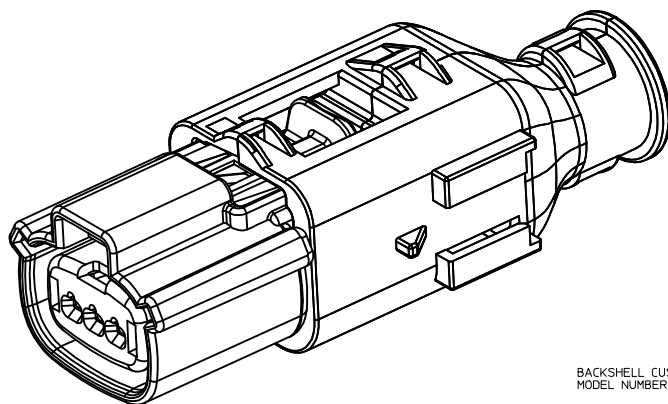
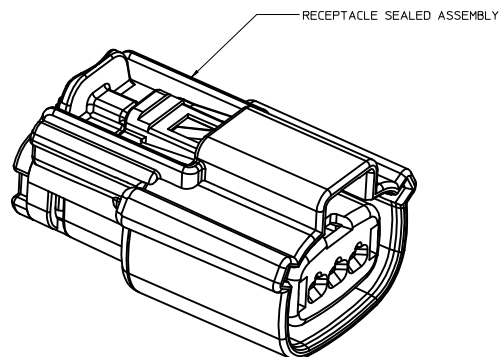
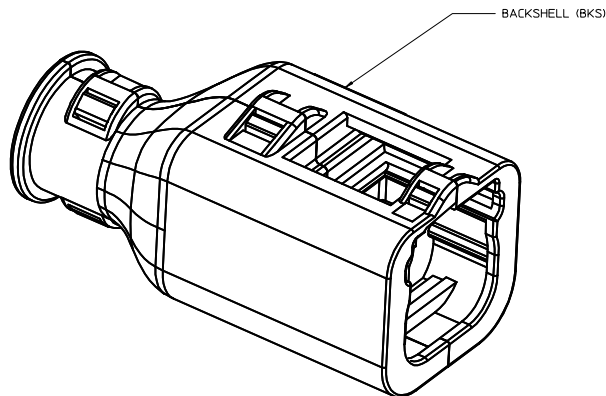
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL LOCK POSITION

SECTION Y-Y

ENTER DESCRIPTION IEC NO: UAU2018-0229 DRAWN: SONGS 2017/09/12 CHKD: WJANS, AMBROU 2017/09/12 APPR: WJANS, AMBROU 2017/09/12	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 ±	---	± ---	APPROVED BY FHOLUB	DATE 06/18/2002				
		2 PLACES ±	0.1	± ---	MATERIAL NO. SEE BOM					
		1 PLACE ±	0.30	± ---						
		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		
		ANGULAR ± 3 °								
		Q7	REVISION DESCRIPTION				SHEET NO. 3 OF 7			

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:

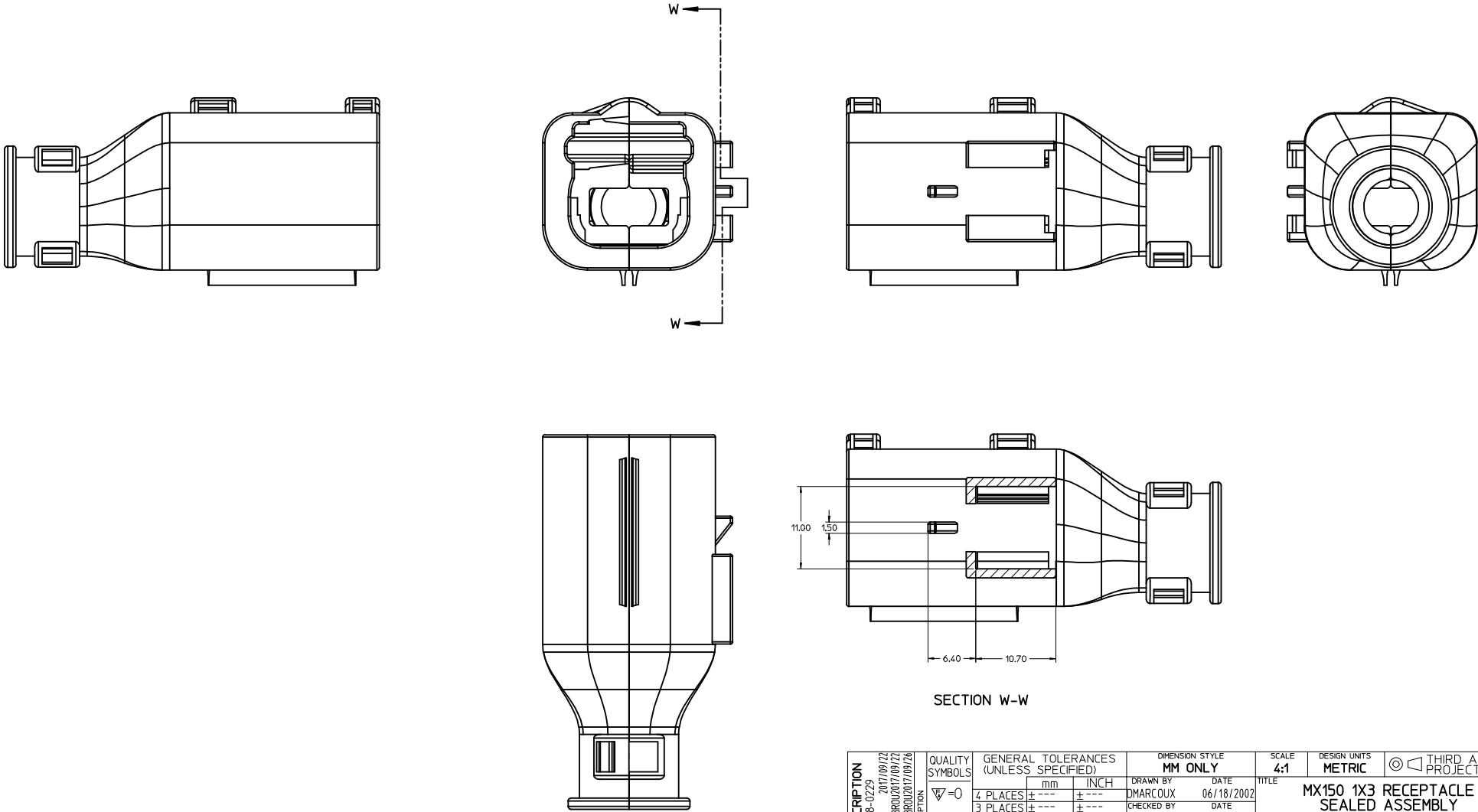
a. APPLICATION SPECIFICATION SEE: AS-34951-001

- 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: UAU2018-0229 DRAWN BY: 2017/09/12 CHKD BY: 2017/09/12 APPR: 2017/09/12		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION		
						MM ONLY		4:1	METRIC				
07		REVIEW		mm		DRAWN BY DATE		TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex		DOCUMENT NO. SD-33471-031		SHEET NO. 4 OF 7	
				INCH		DMARCOUX 06/18/2002							
						CHECKED BY DATE							
						DGRFFTHS 6/18/2002							
						APPROVED BY DATE							
				0 PLACES ± --- ± ---		FHOLUB 06/18/2002							
				ANGULAR ± 3 °		MATERIAL 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

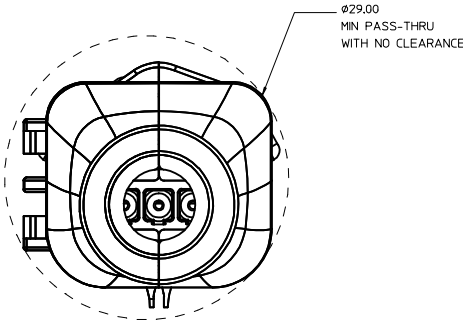
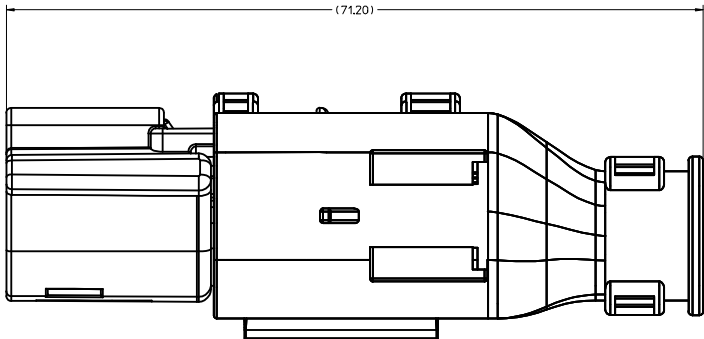
BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION



ENTER DESCRIPTION EC NO: UAU2018-0229 DRAWN: SONG05 2017/09/12 CHKD: WJANSI, AMBROU 2017/09/12 APPR: WJANSI, AMBROU 2017/09/16 Q7	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		
				DRAWN BY DMARCOUX	DATE 06/18/2002	MATERIAL NO. SEE BOM							
				CHECKED BY DGRIFTHS	DATE 6/18/2002	APPROVED BY FHOLUB							
						SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
		ANGULAR $\pm 3^\circ$											

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: UAU2018-0229 DRAWN: SONG05 2017/09/12 CHKD: WJANSI, AMBROU 2017/09/12 APPR: WJANSI, AMBROU 2017/09/16	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 ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.1 ± ---	CHECKED BY DGRIFTHS	DATE 6/18/2002	MATERIAL NO. SEE BOM	
		1 PLACE ± 0.30 ± ---	0 PLACE ± ±	ANGULAR ± 3 °	APPROVED BY FHOLUB	DATE 06/18/2002		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DOCUMENT NO. SD-33471-031		

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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	QWITY TYPE A STATUS X= PLUGGED			CPA	STATUS	OPTIONAL ATTACHMENTS SOLD SEPARATELY	
			1	2	3			BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
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	X	YES	SALEABLE	34949-0310	34949-0320
33471-0327	LT.GRAY	B	X	X	X	YES	SALEABLE	34949-0310	34949-0320
33471-0328	BROWN	C	X	X	X	YES	SALEABLE	34949-0310	34949-0320
33471-0329	GREEN	D	X	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

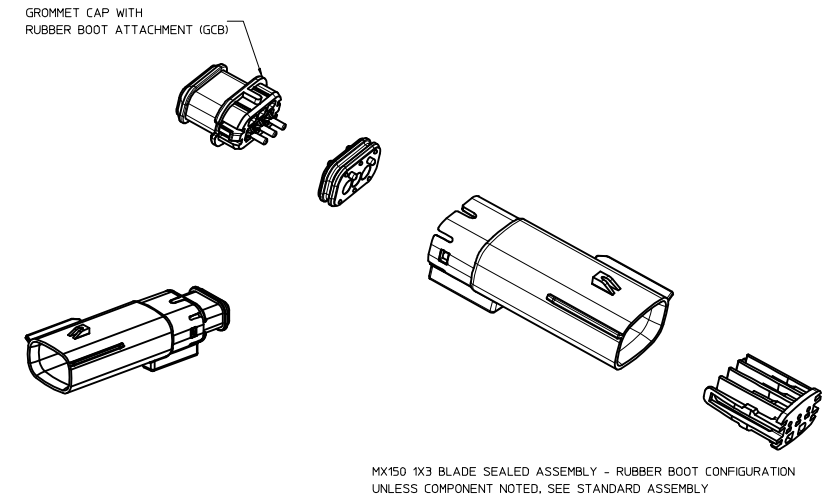
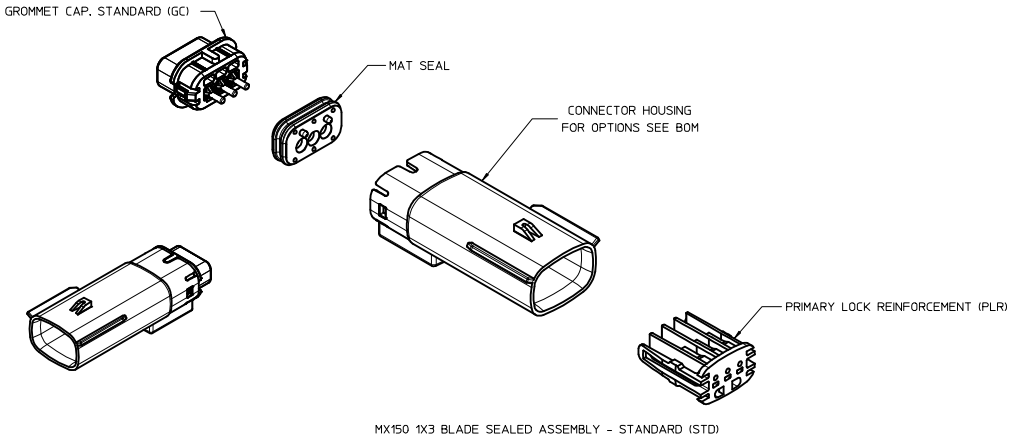
07	ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	QWITY TYPE A STATUS X=PLUGGED			CPA	STATUS	OPTIONAL ATTACHMENTS SOLD SEPARATELY	
				1	2	3			BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS
33471-3301	BLACK	A				-	SALEABLE	34949-0310	34949-0320	
33471-3302	LT.GRAY	B				-	SALEABLE	34949-0310	34949-0320	
33471-3303	BROWN	C				-	NOT RECOMMENDED--SEE P/N 33471-3343	34949-0310	34949-0320	
33471-3304	GREEN	D				-	NOT RECOMMENDED--SEE P/N 33471-3344	34949-0310	34949-0320	
33471-3305							VOIDED			
33471-3306	BLACK	A				YES	SALEABLE	34949-0310	34949-0320	
33471-3307	LT.GRAY	B				YES	SALEABLE	34949-0310	34949-0320	
33471-3308	BROWN	C				YES	NOT RECOMMENDED--SEE P/N 33471-3340	34949-0310	34949-0320	
33471-3309	GREEN	D				YES	NOT RECOMMENDED--SEE P/N 33471-3346	34949-0310	34949-0320	
33471-3310							VOIDED			
33471-3311	BLACK	A			X	-	SALEABLE	34949-0310	34949-0320	
33471-3312	LT.GRAY	B			X	-	SALEABLE	34949-0310	34949-0320	
33471-3313	BROWN	C			X	-	SALEABLE	34949-0310	34949-0320	
33471-3314	GREEN	D			X	-	SALEABLE	34949-0310	34949-0320	
33471-3315							VOIDED			
33471-3316	BLACK	A			X	YES	SALEABLE	34949-0310	34949-0320	
33471-3317	LT.GRAY	B			X	YES	SALEABLE	34949-0310	34949-0320	
33471-3318	BROWN	C			X	YES	SALEABLE	34949-0310	34949-0320	
33471-3319	GREEN	D			X	YES	SALEABLE	34949-0310	34949-0320	
33471-3320							VOIDED			
33471-3321	BLACK	A	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3322	LT.GRAY	B	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3323	BROWN	C	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3324	GREEN	D	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3325							VOIDED			
33471-3326	BLACK	A	X	X	X	YES	SALEABLE	34949-0310	34949-0320	
33471-3327	LT.GRAY	B	X	X	X	YES	SALEABLE	34949-0310	34949-0320	
33471-3328	BROWN	C	X	X	X	YES	SALEABLE	34949-0310	34949-0320	
33471-3329	GREEN	D	X	X	X	YES	SALEABLE	34949-0310	34949-0320	
33471-3330							VOIDED			
33471-3331	BLACK	A	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3332	LT.GRAY	B	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3333	BROWN	C	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3334	GREEN	D	X	X	X	-	SALEABLE	34949-0310	34949-0320	
33471-3335							VOIDED			
33471-3336	BLACK	A		X		YES	SALEABLE	34949-0310	34949-0320	
33471-3337	BLACK	A		X		-	SALEABLE	34949-0310	34949-0320	
33471-3338	BLACK	A	X	X	X	YES	SALEABLE	34949-0310	34949-0320	
33471-3339	BLACK	A	X			-	SALEABLE	34949-0310	34949-0320	
33471-3340	DK.GRAY	C				YES	SALEABLE	34949-0310	34949-0320	
33471-3341	LT.GRAY	B		X		YES	SALEABLE	34949-0310	34949-0320	
33471-3342	DK.GRAY	C		X		YES	SALEABLE	34949-0310	34949-0320	
33471-3343	DK.GRAY	C				-	SALEABLE	34949-0310	34949-0320	
33471-3344	ST.GRAY	D				-	SALEABLE	34949-0310	34949-0320	
33471-3345	DK.GRAY	C				YES	OBSOLETE---SEE P/N 33471-3340	34949-0310	34949-0320	
33471-3346	ST.GRAY	D				YES	SALEABLE	34949-0310	34949-0320	
33471-3347	YELLOW	A				YES	SALEABLE	34949-0310	34949-0320	

*FOR ASSEMBLY P/N'S 33471-3340 AND 33471-3342 REFER TO SALEABLE KEY OPTION C ASSEMBLY P/N'S ABOVE

ENTER DESCRIPTION ECC NO. UAU2018-0229 DRAWN:SONG5 2017/09/12 CHKD:WANGS.AMBROU2017/09/12 APPR:WANGS.AMBROU2017/09/12 Q7	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE			METRIC		
		4 PLACES ± --- ± ---		DMARCOUX 06/18/2002					
		3 PLACES ± --- ± ---		CHECKED BY DATE					
		2 PLACES ± 0.1 ± ---		DGRIFFI THS 6/18/2002				MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex SD-33471-031	
		1 PLACE ± 0.30 ± ---		APPROVED BY DATE					
		0 PLACE ± ±		FHOLUB 06/18/2002					
		ANGULAR ± 3 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D				SHEET NO. 7 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

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

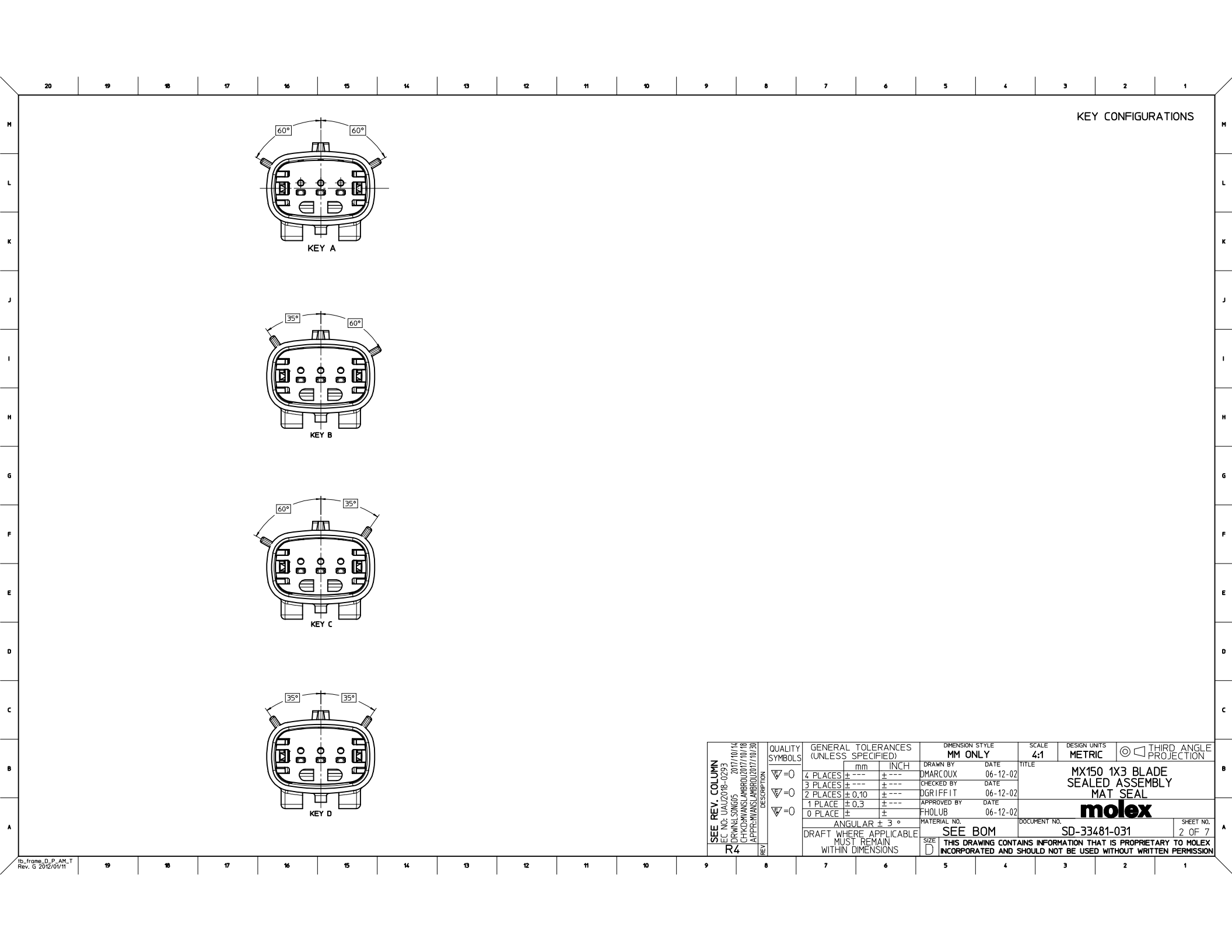


NOTES: VALID UNLESS OTHERWISE SPECIFIED

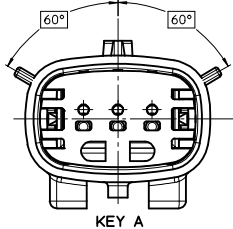
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY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

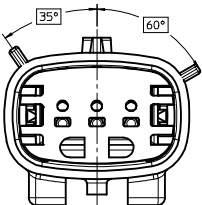
SEE REV. COLUMN EC NO: UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD: MANSI.ANBROU 2017/10/18 APPR: MANSI.ANBROU 2017/10/30	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.10 ± --- 2 PLACES ± 0.3 ± --- 1 PLACE ± ± --- 0 PLACE ± ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DMARCOUX 06-12-02 CHECKED BY DATE DGRIFIT 06-12-02 APPROVED BY DATE FHOLUB 06-12-02	SCALE 3:1 METRIC THIRD ANGLE PROJECTION	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex	MATERIAL NO. SEE BOM DOCUMENT NO. SD-33481-031	SHEET NO. 1 OF 7



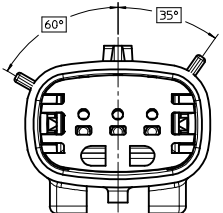
KEY CONFIGURATIONS



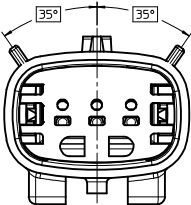
KEY A



KEY B



KEY C

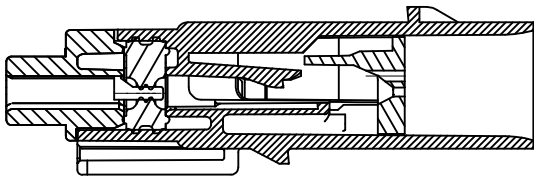
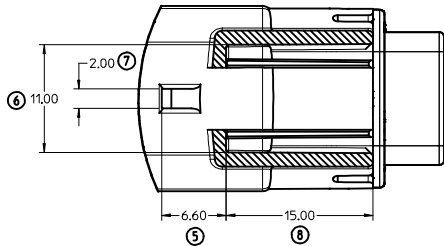
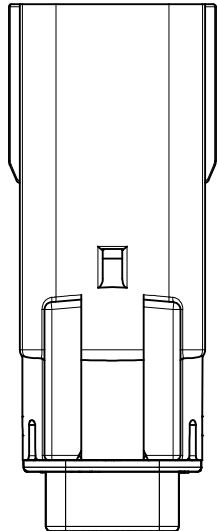
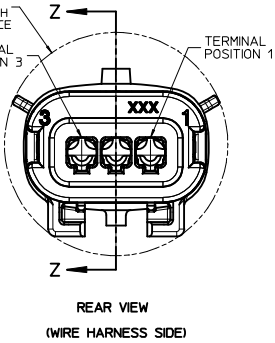
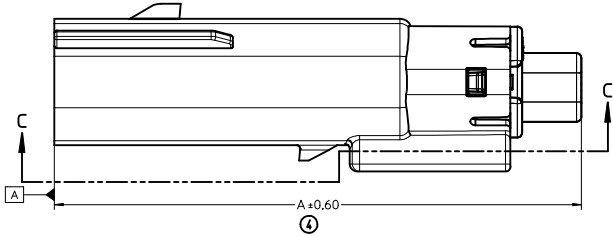
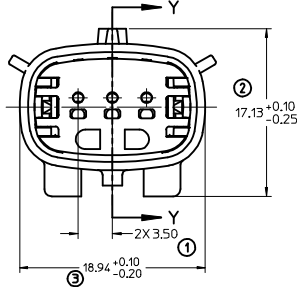
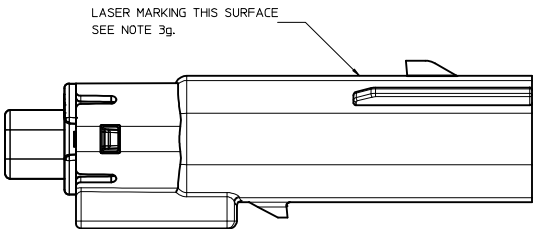


KEY D

SEE REV. COLUMN EC NO. UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD: WJANSI, AMBROU 2017/10/18 APPR: WJANSI, AMBROU 2017/10/30 R4	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0			DRAWN BY DMARCOUX	DATE 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex		
	▽=0			CHECKED BY DGRIFFIT	DATE 06-12-02			
	▽=0			APPROVED BY FHOLUB	DATE 06-12-02			
	ANGULAR ± 3 °		MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031	SHEET NO. 2 OF 7			
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

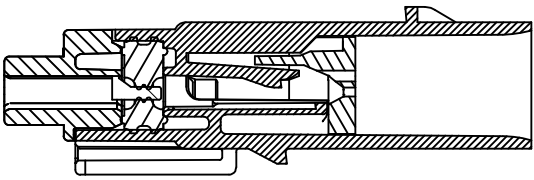
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

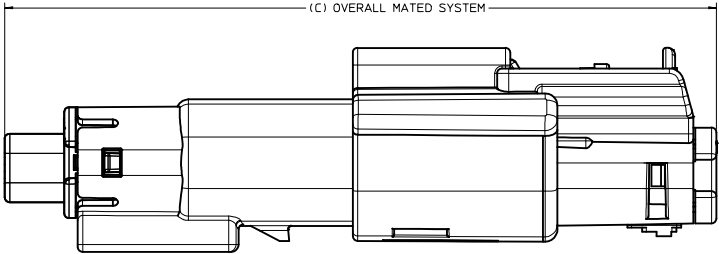
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	57.85

SEE REV. COLUMN EC NO: UAU2018-0293 DRAWN: SONGS 2017/10/14 CHKD: WJANS/ANBROU 2017/10/18 APPR: WJANS/ANBROU 2017/10/30 R4	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	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031	SHEET NO. 3 OF 7

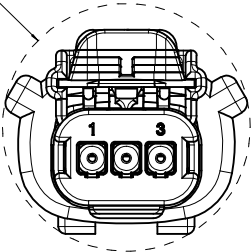
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

SYSTEM PACKAGING



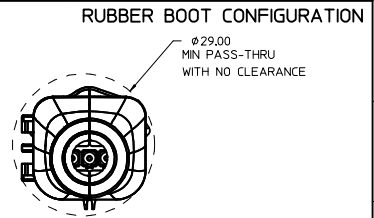
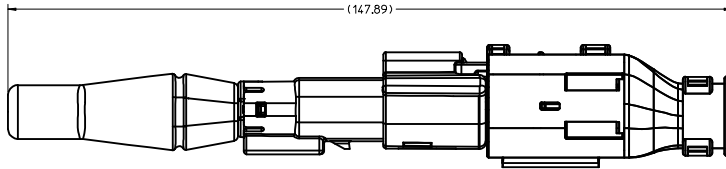
Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



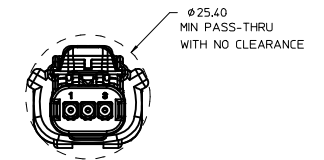
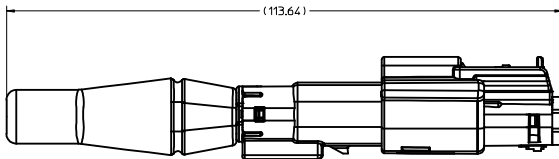
CHARTED DIMENSIONS	
CONFIGURATION	C
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	72.71
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	76.71

SEE REV. COLUMN EC NO: UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD: WJANSI, AMBROU 2017/10/18 APPR: WJANSI, AMBROU 2017/10/30	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	SHEET NO. 4 OF 7

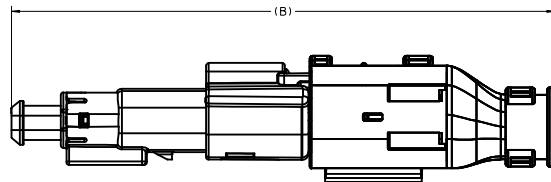
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



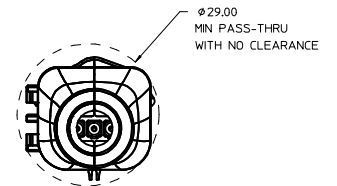
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL



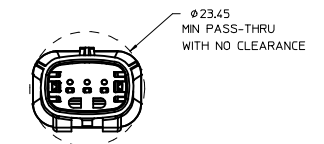
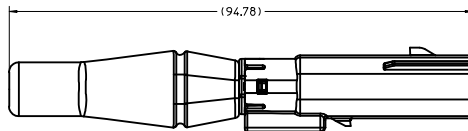
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



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: UAU2018-0293 DRAWN: SONGS 2017/10/14 CHKD: WJANS/AMBROU 2017/10/18 APPR: WJANS/AMBROU 2017/10/30 REV R4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	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	DOCUMENT NO. SD-33481-031		
				APPROVED BY FHOLUB	DATE 06-12-02			
		ANGULAR ± 3 °		MATERIAL NO. SEE BOM		SHEET NO. 5 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				

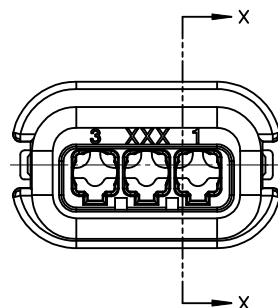
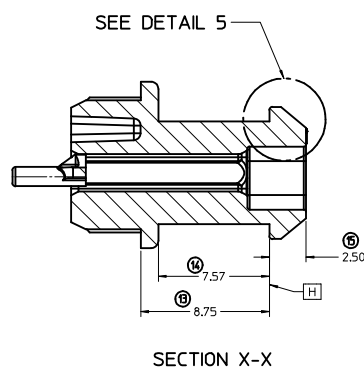
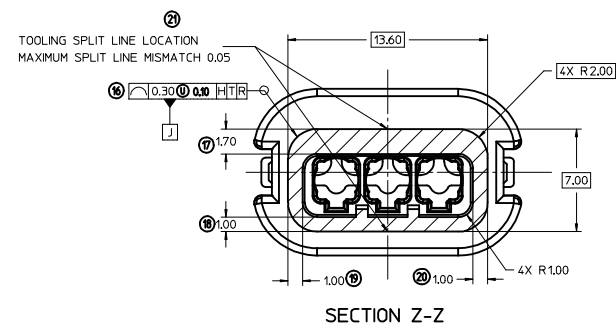
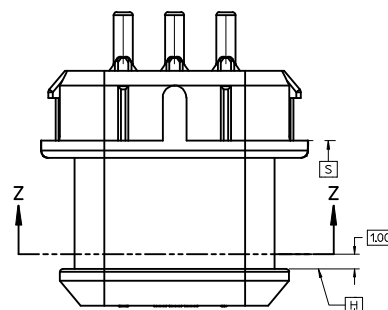
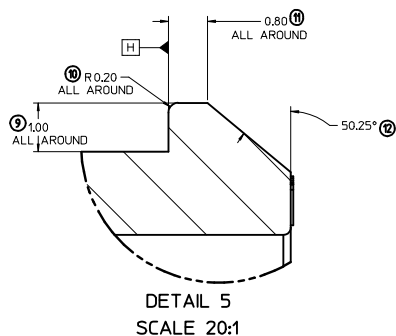
BOM

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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3		
33481-3301	BLACK	A					NOT AVAILABLE
33481-3302	LT. GRAY	B					NOT AVAILABLE
33481-3303	BROWN	C				NOT RECOMMENDED, SEE P/N 33481-3322	NOT AVAILABLE
33481-3304	GREEN	D				NOT RECOMMENDED, SEE P/N 33481-3323	NOT AVAILABLE
33481-3305	CUSTOM	TBD					NOT AVAILABLE
33481-3306	BLACK	A			X		NOT AVAILABLE
33481-3307	LT. GRAY	B			X		NOT AVAILABLE
33481-3308	BROWN	C			X		NOT AVAILABLE
33481-3309	GREEN	D			X		NOT AVAILABLE
33481-3310	CUSTOM	TBD			X		NOT AVAILABLE
33481-3311	BLACK	A	X		X		NOT AVAILABLE
33481-3312	LT. GRAY	B	X		X		NOT AVAILABLE
33481-3313	BROWN	C	X		X		NOT AVAILABLE
33481-3314	GREEN	D	X		X		NOT AVAILABLE
33481-3315	CUSTOM	TBD	X		X		NOT AVAILABLE
33481-3316	BLACK	A	X	X	X		NOT AVAILABLE
33481-3317	LT. GRAY	B	X	X	X		NOT AVAILABLE
33481-3318	BROWN	C	X	X	X	NOT RECOMMENDED, SEE P/N 33481-3324	NOT AVAILABLE
33481-3319	GREEN	D	X	X	X	NOT RECOMMENDED, SEE P/N 33481-3325	NOT AVAILABLE
33481-3320	CUSTOM	TBD	X	X	X		NOT AVAILABLE
33481-3321	BLACK	A		X			NOT AVAILABLE
33481-3322	DK. GRAY	C					NOT AVAILABLE
33481-3323	ST. GRAY	D					NOT AVAILABLE
33481-3324	DK. GRAY	C	X	X	X		NOT AVAILABLE
33481-3325	ST. GRAY	D	X	X	X		NOT AVAILABLE
33481-3330	YELLOW	A					NOT AVAILABLE
33481-3340	BLACK	A				RUBBER BOOT CONFIGURATION	P/N TBD
33481-3341	BLACK	A	X	X	X	RUBBER BOOT CONFIGURATION	P/N TBD

SEE REV. COLUMN SEC NO: UAU2018-0293 DRAWN BY: CHYKONGS CHECKED BY: CHYKONGS APPROVED BY: CHYKONGS DATE: 2017/10/14 DATE: 2017/10/18 DATE: 2017/10/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			MM ONLY			METRIC		
			mm	INCH	DRAWN BY	DATE		TITLE
			4 PLACES ±.005	±.005	DMARCOUX	06-12-02		MX150 1X3 BLADE
			3 PLACES ±.005	±.005	CHECKED BY	DATE		SEALED ASSEMBLY
			2 PLACES ±0.10	±.010	DGRIFIT	06-12-02		MAT SEAL
			1 PLACE ±0.3	±.03	APPROVED BY	DATE		
			0 PLACE ±	±	FHOLUB	06-12-02		
			ANGULAR ± 3 °		MATERIAL NO.	DOCUMENT NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM			SD-33481-031
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 R4	EC NO: UAU2018-0293	DRWN: SONGS 2017/10/14	CHKD: WJANS/AMBROU 2017/10/18	APPR: WJANS/AMBROU 2017/10/30	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						mm	INCH	DRAWN BY	DATE	TITLE	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex		
					▽=0	4 PLACES	±	DMARCOUX	06-12-02				
					▽=0	3 PLACES	±	CHECKED BY	DATE				
					▽=0	2 PLACES	± 0.10	DGRFFIT	06-12-02				
					▽=0	1 PLACE	± 0.3	APPROVED BY	DATE				
					▽=0	0 PLACE	±	FHOLUB	06-12-02				
						ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET 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		
									SEE BOM		SD-33481-031		7 OF 7