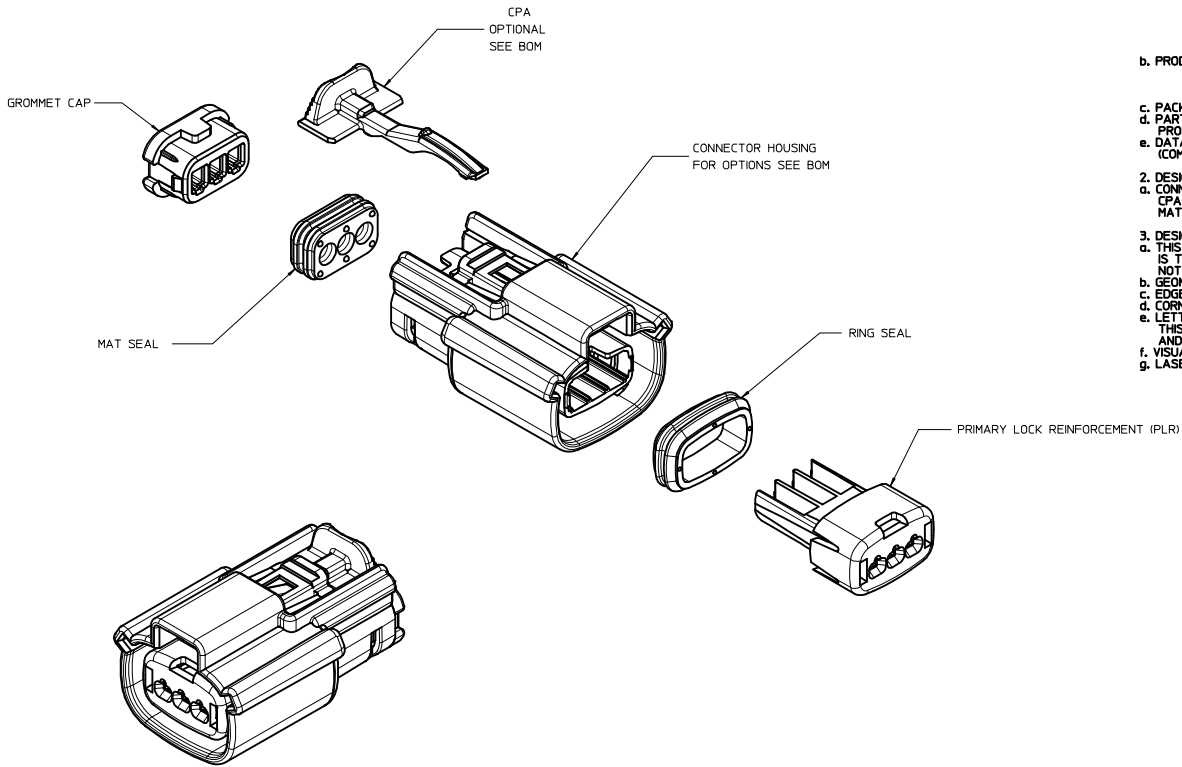


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BACKSHELL NOTES
5	BACKSHELL
6	BACKSHELL CONFIGURATION
7	BOM



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:

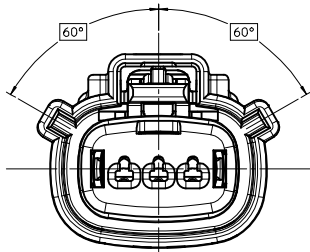
Q6	UPDATED VIEWS	
Q5	ADD BACKSHELL CONFIGURATION	
Q4	ADD NEW P/N 33471-0347	
Q3	334710345 IS SAME AS 334710340 SO VOID 334710345	
Q2	CHANGE THE STATUS TO SALEABLE	
Q1	UPDATED NOTES	
Q	REDRAWN	
REV	DESCRIPTION	
SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
3:1	METRIC	
TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY 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	REV
LEC NO: UAU2014-1774	Q6
DRAWN: IZEL SKI	
CHKD:	
APPR: WOSHY	
DESCRIPTION	

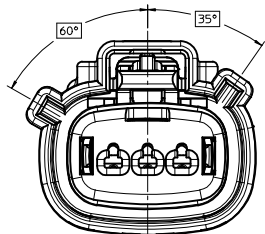
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
▽=0	mm INCH
▽=0	4 PLACES ±--- ±---
▽=0	3 PLACES ±--- ±---
▽=0	2 PLACES ±0.1 ±---
▽=0	1 PLACE ±0.30 ±---
▽=0	0 PLACE ± ±
	ANGULAR ± 3 °
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

	DIMENSION STYLE	
	MM ONLY	
	DRAWN BY	DATE
	DMARCOUX	06/18/2002
	CHECKED BY	DATE
	DGRAFFITHS	6/18/2002
	APPROVED BY	DATE
	FHOLUB	06/18/2002
	MATERIAL NO.	
E	SEE BOM	
	SIZE	THIS DRAWING CONTAINS
	D	INCORPORATED AND

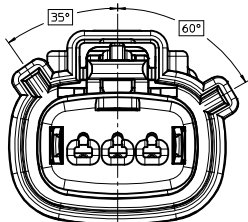
KEY CONFIGURATIONS



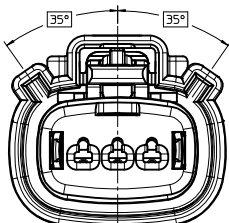
KEY A



KEY B



KEY C

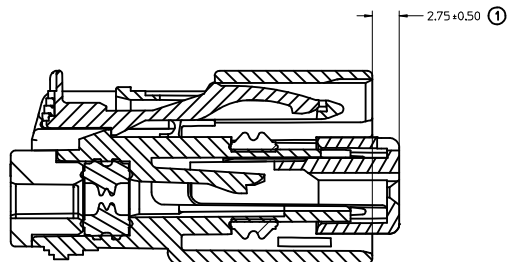
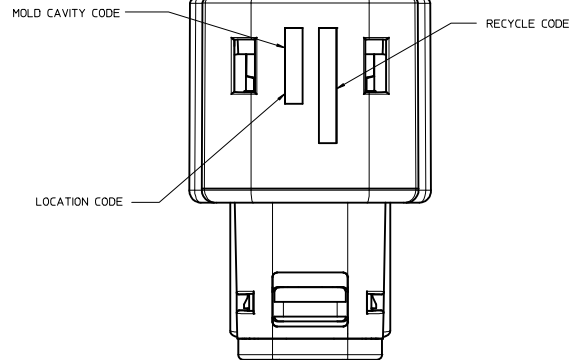
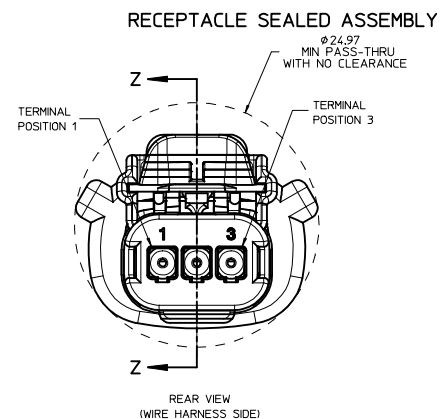
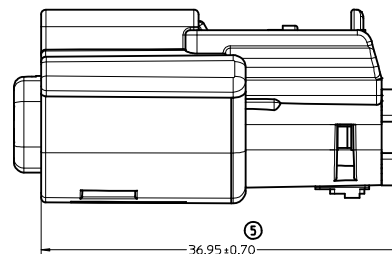
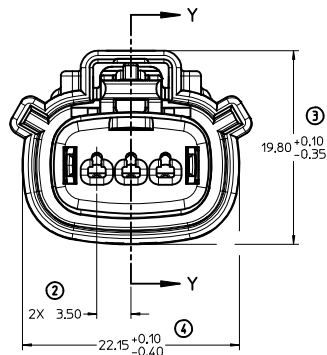
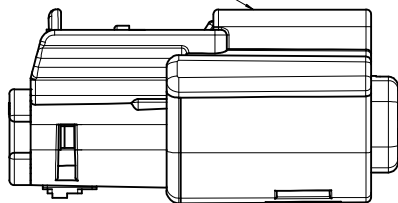


KEY D

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.			
		ANGULAR ± 3 °		SEE BOM		SD-33471-031		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		

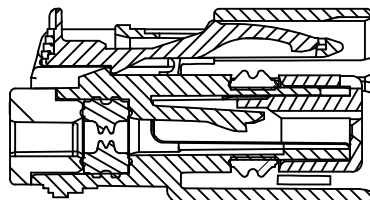
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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	DESCRIPTION	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		SHEET NO. 3 OF 7			
			1 PLACE ±		0.30	---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			0 PLACE ±									
					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 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

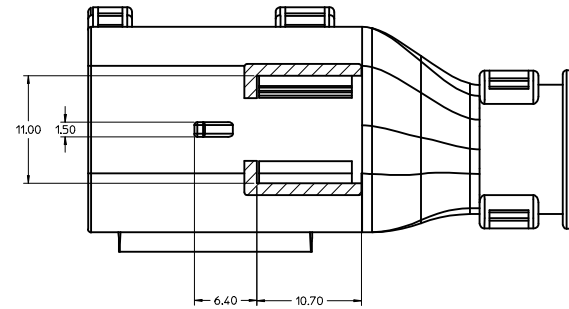
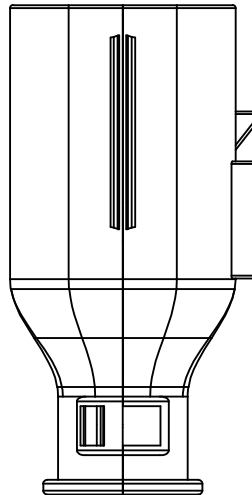
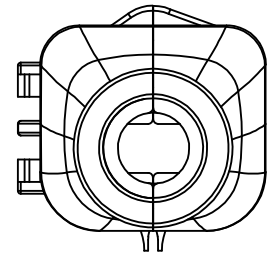
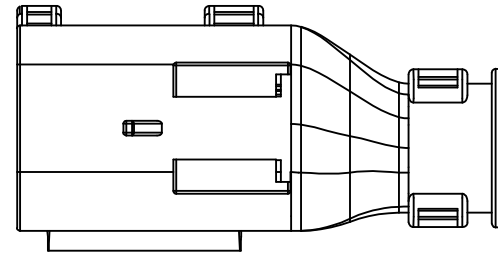
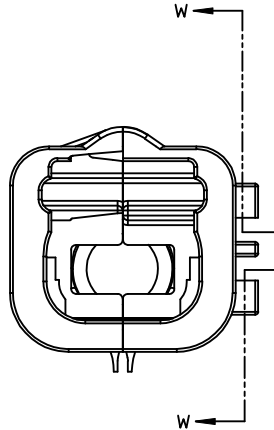
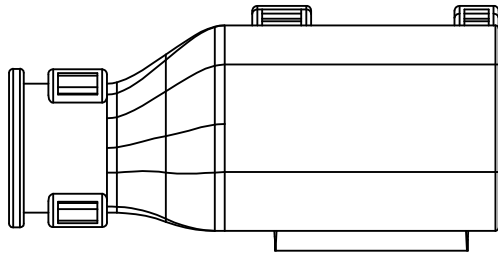
- 1 - WITH RIBS
- 2 - WITHOUT RIBS

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	DESCRIPTION	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		DRAWN BY DMARCOUX	DATE 06/18/2002	MATERIAL NO. SEE BOM				DOCUMENT NO. SD-33471-031	SHEET NO. 4 OF 7	
			4 PLACES	±	---	±	---	CHECKED BY DGRIFITHS	DATE 6/18/2002						
			3 PLACES	±	---	±	---	APPROVED BY FHOLUB	DATE 06/18/2002						
			3 PLACES	±	---	±	---								
			2 PLACES	±	---	±	---								
			1 PLACE	±	0.30	±	---								
			0 PLACE	±		±									
			ANGULAR ± 3 °												
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												

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



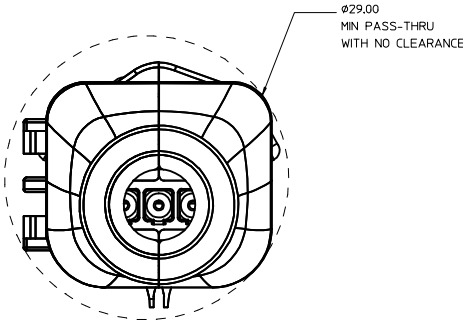
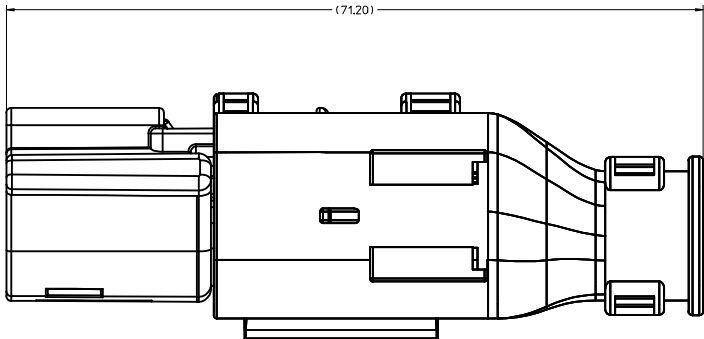
SECTION W-W

ENTER DESCRIPTION IEC NO. IAU2014-1774 DRAWN: JIZELSKI CHKD: APPR: WOSHY REV 06	DESCRIPTION 2014/05/15	QUALITY SYMBOLS		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		
		▽=0		mm		INCH		DRAWN BY DMARCOUX CHECKED BY DGRIFITHS APPROVED BY FHOLUB	DATE 06/18/2002				
		▽=0		4 PLACES ± ---		± ---							
		▽=0		3 PLACES ± ---		± ---							
				2 PLACES ± 0.1		± ---							
				1 PLACE ± 0.30		± ---							
				0 PLACE ±		±							
				ANGULAR ± 3 °									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
						MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33471-031		SHEET NO. 5 OF 7			
						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

BACKSHELL CONFIGURATIONS



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO: UAU2014-1774 G6 DRAWN: JZELSKI CHKD: APPR: WOSHY REV	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			
				mm	INCH	DRAWN BY DMARCOUX	DATE 06/18/2002	TITLE MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33471-031				
			4 PLACES	± .005	± .000	CHECKED BY DGRIFITHS	DATE 6/18/2002						
			3 PLACES	± .01	± .000	APPROVED BY FHOLUB	DATE 06/18/2002						
						2 PLACES	± 0.1	± .000	MATERIAL NO. SEE BOM				SHEET NO. 6 OF 7
						1 PLACE	± 0.30	± .000	SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
						0 PLACE	±	±	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

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: 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 DGRIFFI THS 6/18/2002		MX150 1X3 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
				APPROVED BY DATE FHOLUB 06/18/2002					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 3 °		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33471-031		SHEET NO. 7 OF 7	
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			