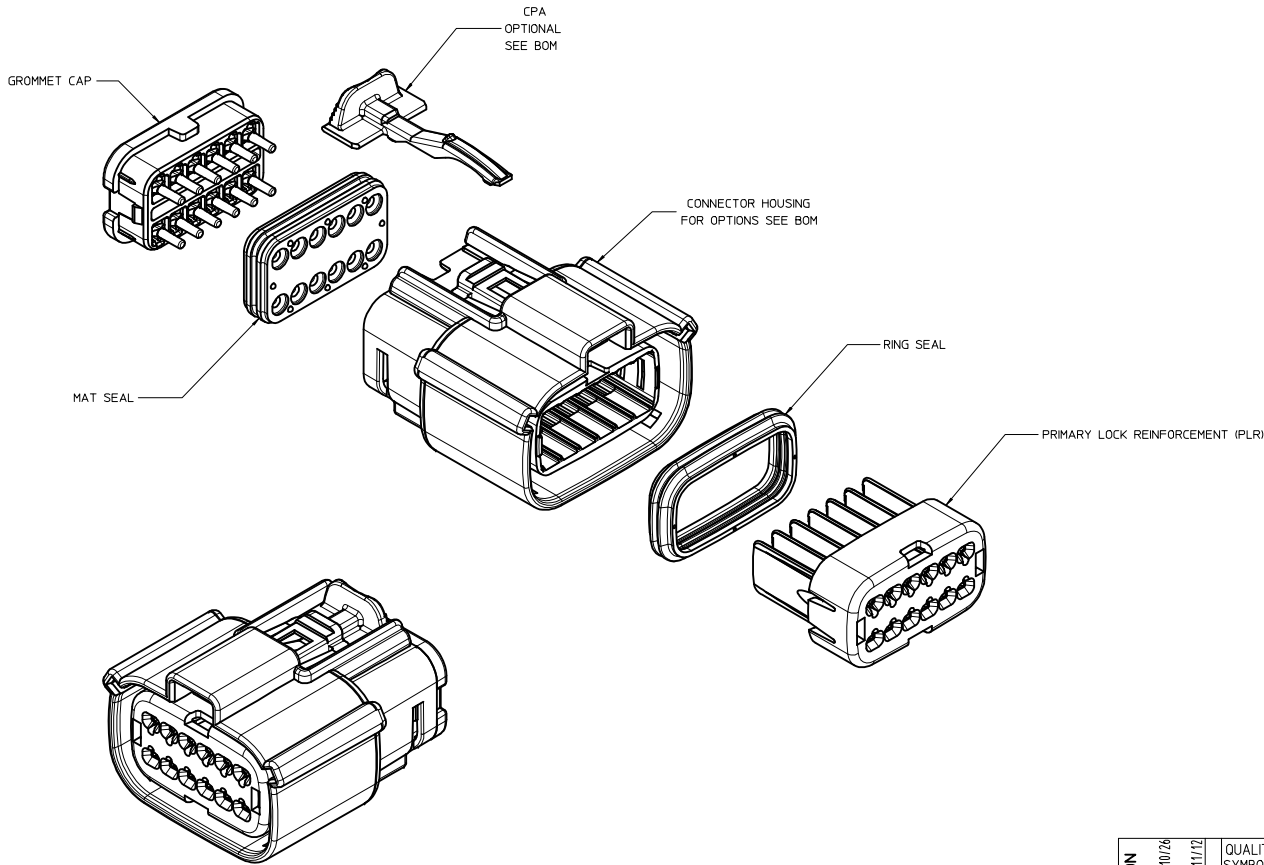


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

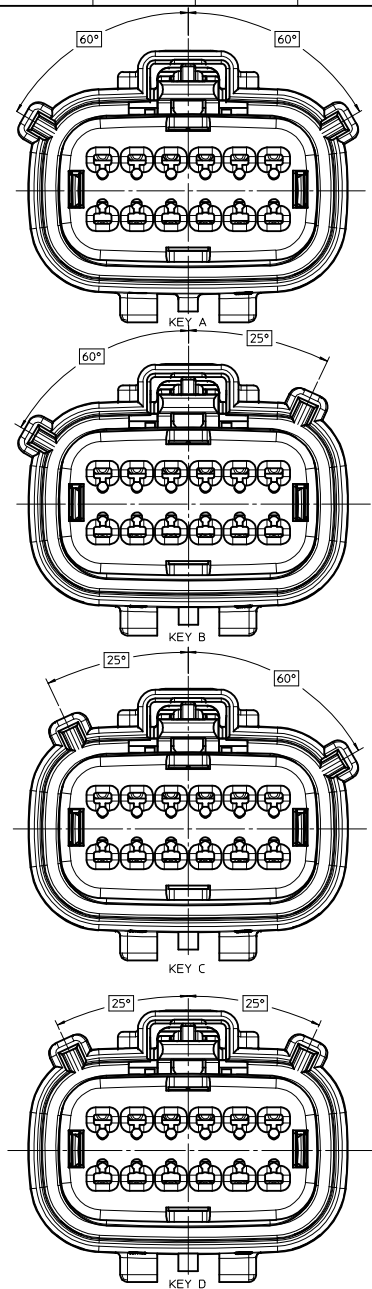
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING
- DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-012-2-Z01, AVAILABLE AT <<http://ewcap.uscarteams.org/>>
- DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33482-121
- 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 SEALED (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-33472-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-903
- 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)
- f. FOR INFORMATION ON 2X6 RECEPTACLE SEALED ASSEMBLY WITHOUT CLIPSLOT SEE SD-33472-121
2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING: GROMMET CAP: PLR: SPS/NYLON 20% GLASS FILLED
- b. MAT SEAL: INTERNALLY 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:
ADDED:
REMOVED:

AA1	UPDATED NOTES		
AA	ADD NEW P/N	33472-1392	33472-1393
		33472-1394	33472-1395
		33472-1396	33472-1397
Z	ADD NEW P/N 33472-1391		
Y	ADD NEW P/N	33472-1388	33472-1389
		33472-1390	
X			
REV	DESCRIPTION		
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
3:1	METRIC		
TITLE			
MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL, CLIPSLOT			
			
DOCUMENT NO.		SHEET NO.	
SD-33472-131		1 OF 4	
CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

ENTER DESCRIPTION
EC NO: UAU2013-0682
DRAWN: IZIELSKI 2012/10/26
CHKD:
APPR: C. LUSLE 2012/11/12
REV
AA1

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE
$\nabla=0$	mm INCH	MM ONLY
$\nabla=0$	4 PLACES $\pm$ --- $\pm$ ---	D. GR1FF1THS 10-10-03
$\nabla=0$	3 PLACES $\pm$ --- $\pm$ ---	CHECKED BY DATE
$\nabla=0$	2 PLACES ± 0.10 $\pm$ ---	D. GR1FF1THS 10-10-03
	1 PLACE ± 0.3 $\pm$ ---	APPROVED BY DATE
	0 PLACE $\pm$ $\pm$	D. GR1FF1THS 10-10-03
	ANGULAR $\pm 3^\circ$	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

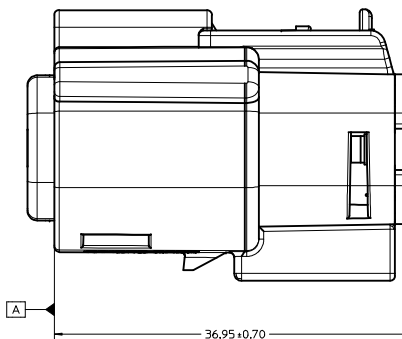
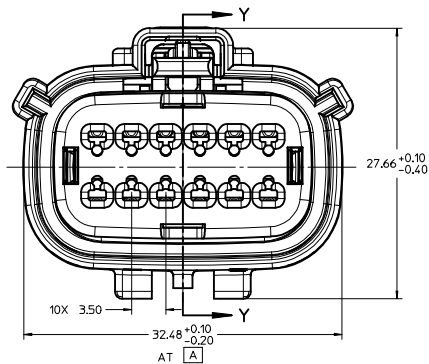
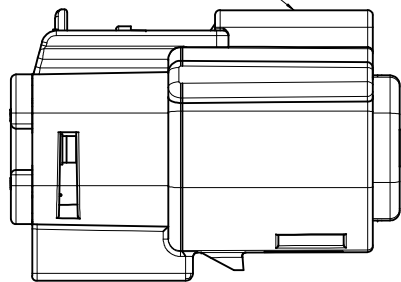


KEY CONFIGURATIONS

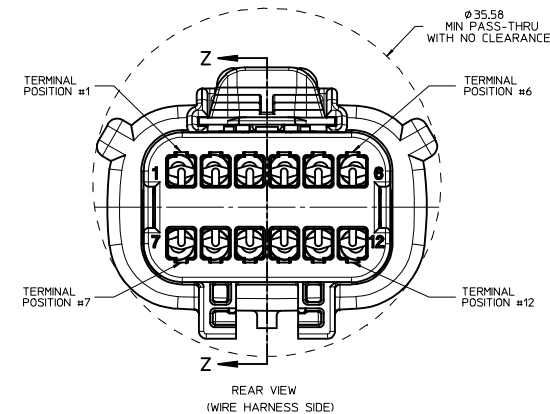
ENTER DESCRIPTION EC NO: UAU2013-0682 DRAWN: JZELSKI 2012/10/26 CHKD: CHYD APPR: DC LISLE 2012/11/12 AA1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY D.GRIFFITHS	DATE 10-10-03		TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL, CLIPSLOT molex	
		4 PLACES			± ---	± ---	CHECKED BY	DATE			
		3 PLACES			± ---	± ---	D.GRIFFITHS	10-10-03			
		2 PLACES			± 0.10	± ---	D.GRIFFITHS	10-10-03			
		1 PLACE			± 0.3	± ---	APPROVED BY	DATE			
		0 PLACE			±	±	D.GRIFFITHS	10-10-03		DOCUMENT NO. SD-33472-131	
		ANGULAR ± 3 °			MATERIAL NO.		SEE BOM				SHEET NO. 2 OF 4
		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

OPTIONAL LASER MARKING ON
THIS SURFACE SEE NOTE 3g.



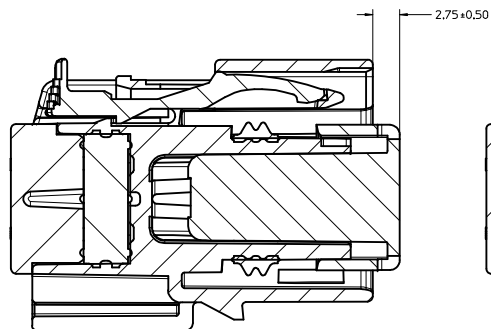
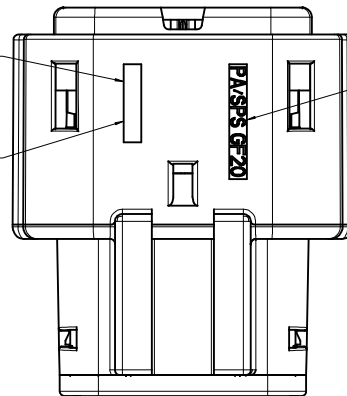
RECEPTACLE SEALED ASSEMBLY



MOLD CAVITY CODE

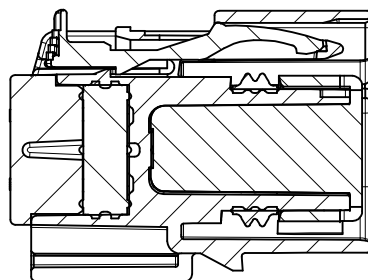
LOCATION CODE

RECYCLE CODE



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 EC NO: UAU2013-0682 DRAWN: JZELSKI 2012/10/26 CHKD: APPROV: DC LISLE 2012/11/12 REV AA1	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 D. GRIFFITHS	DATE 10-10-03		TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL, CLIPSLOT
			4 PLACES ±		+/-		CHECKED BY D. GRIFFITHS	DATE 10-10-03		
			3 PLACES ±		+/-		APPROVED BY D. GRIFFITHS	DATE 10-10-03		
			2 PLACES ±		+0.10					
			1 PLACE ±		+0.3					
0 PLACE ±		±								
ANGULAR ±		3 °		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33472-131		SHEET NO. 3 OF 4		
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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CPA	CAVITY TYPE & STATUS (X = PLUGGED)											
				1	2	3	4	5	6	7	8	9	10	11	12
33472-1301	BLACK	A	-												
33472-1302	LT. GRAY	B	-												
33472-1303	BROWN	C	-												
33472-1304	GREEN	D	-												
33472-1305	CUSTOM	TBD	-												
33472-1306	BLACK	A	YES												
33472-1307	LT. GRAY	B	YES												
33472-1308	BROWN	C	YES												
33472-1309	GREEN	D	YES												
33472-1310	CUSTOM	TBD	YES												
33472-1311	BLACK	A	-	X	X	X	X	X	X	X	X	X	X	X	X
33472-1312	LT. GRAY	B	-	X	X	X	X	X	X	X	X	X	X	X	X
33472-1313	BROWN	C	-	X	X	X	X	X	X	X	X	X	X	X	X
33472-1314	GREEN	D	-	X	X	X	X	X	X	X	X	X	X	X	X
33472-1315	CUSTOM	TBD	-	X	X	X	X	X	X	X	X	X	X	X	X
33472-1316	BLACK	A	YES	X	X	X	X	X	X	X	X	X	X	X	X
33472-1317	LT. GRAY	B	YES	X	X	X	X	X	X	X	X	X	X	X	X
33472-1318	BROWN	C	YES	X	X	X	X	X	X	X	X	X	X	X	X
33472-1319	GREEN	D	YES	X	X	X	X	X	X	X	X	X	X	X	X
33472-1320	CUSTOM	TBD	YES	X	X	X	X	X	X	X	X	X	X	X	X
33472-1321	BLACK	A	-		X	X					X				
33472-1322	BLACK	A	-		X	X		X	X	X					
33472-1323	BLACK	A	-					X	X						
33472-1324	BLACK	A	-		X	X		X	X	X			X	X	
33472-1325	BLACK	A	-	X				X	X	X					
33472-1326	LT. GRAY	B	-	X				X	X	X	X				
33472-1327	BLACK	A	-		X										
33472-1328	LT. GRAY	B	-		X						X	X			
33472-1329	BLACK	A	-		X	X					X	X	X		
33472-1330	BLACK	A	-							X	X	X	X		
33472-1331	BLACK	A	-							X	X				
33472-1332	BLACK	A	-		X						X	X			
33472-1333	BLACK	A	-		X		X								
33472-1334	BLACK	A	YES									X	X	X	X
33472-1335	BLACK	A	YES												
33472-1336	BLACK	A	-		X	X	X			X					X
33472-1337	BLACK	A	-	X		X	X	X	X	X					
33472-1338	BLACK	A	YES									X	X	X	X
33472-1339	BLACK	A	-				X	X	X	X	X				
33472-1340	BLACK	A	-					X	X	X					
33472-1341	BLACK	A	-		X		X	X				X	X		
33472-1342	BLACK	A	-			X	X					X	X		
33472-1343	BLACK	A	-	X				X	X						
33472-1344	BLACK	A	-											X	
33472-1345	BLACK	A	-							X					
33472-1346	BLACK	A	-		X	X	X	X				X	X	X	
33472-1347	BLACK	A	-	X					X	X	X				
33472-1348	BLACK	A	-		X	X	X	X	X	X	X		X	X	X
33472-1349	BLACK	A	YES			X	X	X						X	
33472-1350	BLACK	A	-		X	X								X	
33472-1351	BLACK	A	-	X	X	X	X	X				X	X	X	X
33472-1352	BLACK	A	-											X	X
33472-1353	BLACK	A	-		X	X						X	X	X	
33472-1354	BLACK	A	-	X	X	X	X	X				X	X	X	X
33472-1355	BLACK	A	-	X	X	X	X	X							X
33472-1356	BLACK	A	-			X	X	X							
33472-1357	BLACK	A	-			X	X	X	X	X	X	X	X	X	
33472-1358	BLACK	A	-			X	X					X	X	X	X
33472-1359	BLACK	A	YES				X					X	X	X	
33472-1360	BLACK	A	-			X	X					X	X	X	
33472-1361	BLACK	A	-	X	X	X								X	X
33472-1362	BLACK	A	-	X	X	X	X			X			X	X	X
33472-1363	BLACK	A	-		X		X			X		X	X	X	X
33472-1364	BLACK	A	-											X	X
33472-1365	BLACK	A	-	X	X	X	X	X	X			X			
33472-1366	BLACK	A	-					X				X			
33472-1367	BLACK	A	-		X				X	X	X				
33472-1368	BLACK	A	-			X	X	X	X	X					
33472-1369	BLACK	A	-	X	X	X	X	X	X	X					X
33472-1370	BLACK	A	-	X	X	X	X	X	X	X	X	X	X	X	
33472-1371	BLACK	A	-		X		X					X	X	X	
33472-1372	BLACK	A	-							X					
33472-1373	BLACK	A	-	X		X	X	X	X	X	X		X	X	X
33472-1374	BLACK	A	-						X				X	X	X
33472-1375	BLACK	A	-												X
33472-1376	BLACK	A	-						X						X
33472-1377	BLACK	A	-	X	X			X	X	X	X		X	X	X
33472-1378	BLACK	A	-									X			
33472-1379	BLACK	A	-			X	X					X	X	X	X

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CPA	CAVITY TYPE & STATUS (X = PLUGGED)											
				1	2	3	4	5	6	7	8	9	10	11	12
33472-1380	BLACK	A	-	X	X	X	X	X	X	X	X	X	X		X
33472-1381	BLACK	A	-	X	X			X	X	X	X				
33472-1382	BLACK	A	-				X					X			
33472-1383	BLACK	A	-	X	X	X	X	X	X				X	X	X
33472-1384	BLACK	A	-	X			X							X	
33472-1385	BLACK	A	-									X	X	X	X
33472-1386	BLACK	A	-	X	X	X	X	X	X	X	X				X
33472-1387	BLACK	A	-	X	X										X
33472-1388	BLACK	A	-	X	X							X	X		
33472-1389	BLACK	A	-	X							X	X	X		X
33472-1390	BLACK	A	-								X	X			X
33472-1391	BLACK	A	-				X		X			X	X	X	
33472-1392	BLACK	A	-				X		X	X	X	X	X	X	X
33472-1393	BLACK	A	-				X							X	X
33472-1394	BLACK	A	-									X	X	X	X
33472-1395	BLACK	A	-	X	X	X	X		X	X	X	X	X	X	X
33472-1396	BLACK	A	-	X	X	X	X				X	X	X	X	X
33472-1397	BLACK	A	-						X		X	X	X	X	X

BOM SHEET 1

ENTER DESCRIPTION LEC NO: UAU2013-0682 DRAWN: ZUZELSKI CHKD: APPR: DC LLSLE 2012/11/12 REV AA1	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 ± ±		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY DATE D.GRIFFITHS 10-10-03		CHECKED BY DATE D.GRIFFITHS 10-10-03	TITLE MX150 2X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL, CLIPSLOT	
		ANGULAR ± 3 °		APPROVED BY DATE D.GRIFFITHS 10-10-03		MATERIAL NO.		DOCUMENT NO. SD-33472-131
		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		