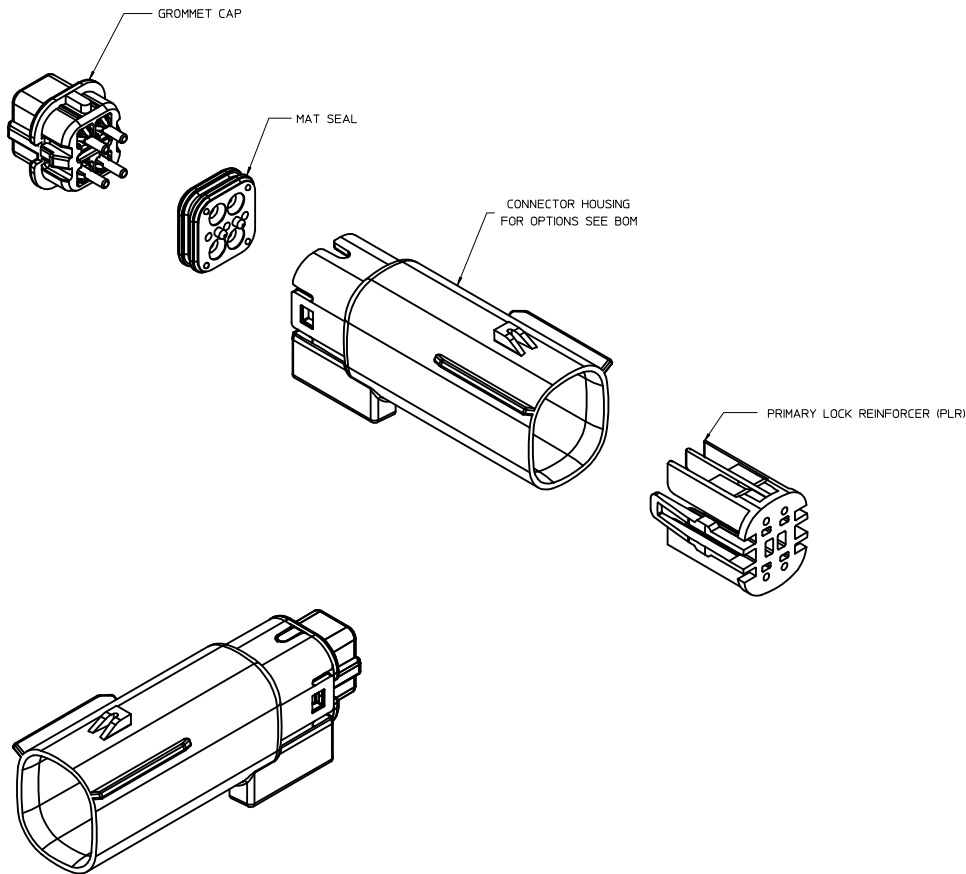


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	BOM

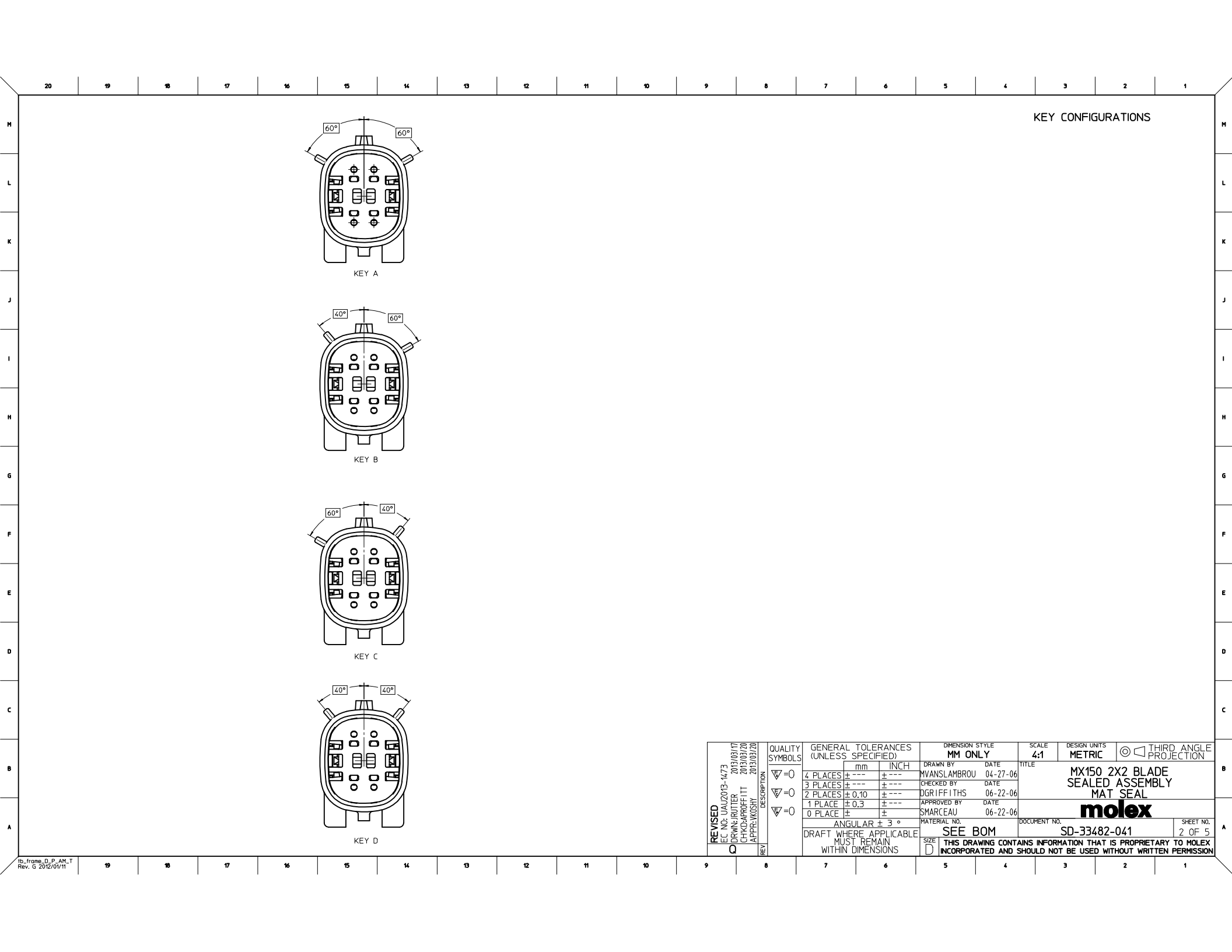


NOTES: VALID UNLESS OTHERWISE SPECIFIED

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 RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-041.
-FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.4mm 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-33472-000
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 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

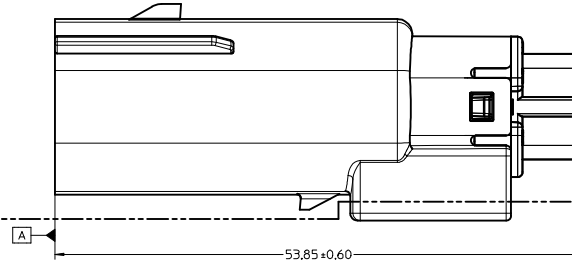
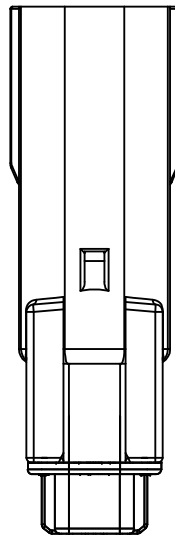
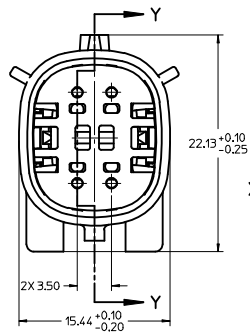
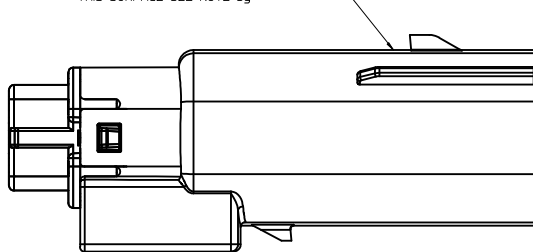
INSPECTION NUMBER LOG
LAST NUMBER USED:
ADDED:
REMOVED:

REVISED EC NO: UAU2013-1473 DRAWN BY: CHYKAPROFF IT APPROVED BY: APPR:WKOSHY 2013/03/17 2013/03/20 2013/03/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		TITLE MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33482-041	SHEET NO. 1 OF 5
		mm	INCH	DRAWN BY MYANSLAMBROU	DATE 04-27-06			
		4 PLACES ±.005	±.005	CHECKED BY DGR1FF1THS	DATE 06-22-06			
		3 PLACES ±.005	±.005	APPROVED BY SMARCEAU	DATE 06-22-06			
ANGULAR ± 3 °		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		

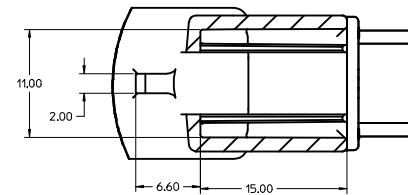
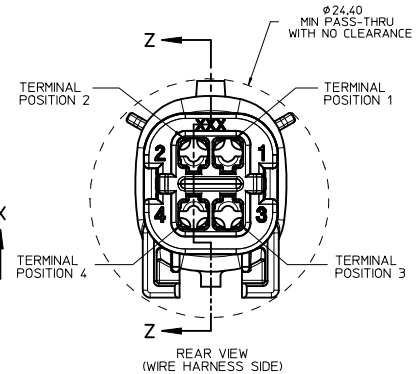


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

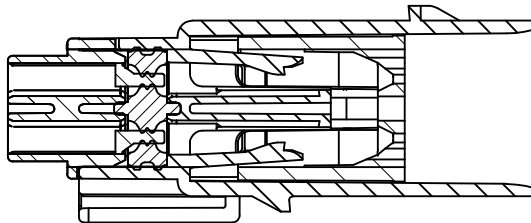
OPTIONAL LASER MARKING ON THIS SURFACE SEE NOTE 3g



BLADE SEALED ASSEMBLY

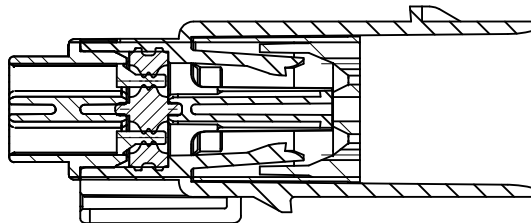


PARTIAL X-X
SCALE 4:1



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

SECTION Z-Z



PRIMARY LOCK REINFORCER (PLR) SHOWN
IN FINAL LOCK POSITION

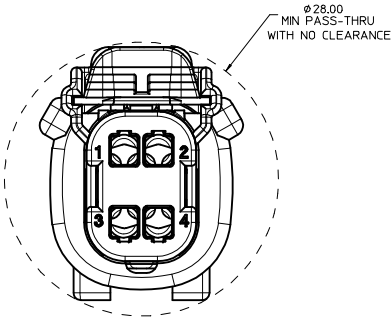
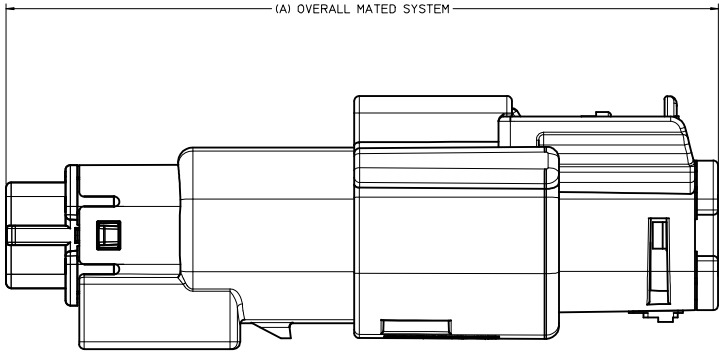
SECTION Y-Y

REVISED EC NO: UAU2013-1473 DRAWN BY: CHYDAPROFF/ITT CHECKED BY: APPR: WOSHY 2013/03/17 2013/03/20 2013/03/20	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
					MM ONLY							
					mm	INCH				DRAWN BY	DATE	TITLE
			4 PLACES ±							MYANSLAMBROU	04-27-06	MX150 2X2 BLADE SEALED ASSEMBLY MAT SEAL molex
			3 PLACES ±		+	---	CHECKED BY			DATE		
			2 PLACES ±		0.10	---	DGRIFITHS			06-22-06		
			1 PLACE ±		0.3	---	APPROVED BY			DATE		
			0 PLACE ±		+	---	SMARCEAU			06-22-06		
					ANGULAR ± 3 °		MATERIAL NO.			DOCUMENT NO.	SD-33482-041	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D	SEE BOM				SHEET NO. 3 OF 5		
		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

SYSTEM PACKAGING



CHARTED DIMENSIONS		
RECEPTACLE ASSY PART NUMBER	CONFIGURATION	A
33472-0401 THRU 33472-0452	MX150 2X2 RECEPTACLE SEALED ASSEMBLY - STANDARD	72.78
33472-4401 THRU 33472-4412	MX150 2X2 RECEPTACLE SEALED ASSEMBLY - LENGTHENED	77.21

REVISED EC NO. UAL2013-4273 DRAWN: BUTTIR CHKD: ARRIFF APPR: WOSHY 2013/03/17 2013/03/20 2013/03/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
					DRAWN BY DATE		TITLE			
			4 PLACES ± mm ± INCH		MYANS LAMBROU 04-27-06		MX150 2X2 BLADE			
			3 PLACES ± mm ± INCH		CHECKED BY DATE		SEALED ASSEMBLY			
			2 PLACES ± 0.10 ±		DGR IFF ITHS 06-22-06		MAT SEAL			
			1 PLACE ± 0.3 ±		APPROVED BY DATE		molex			
			0 PLACE ± ±		SMARCEAU 06-22-06					
			ANGULAR ± 3 °		MATERIAL NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		DOCUMENT NO.			SHEET NO.
					SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-33482-041			4 OF 5

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	CAVITY TYPE & STATUS (X = PLUGGED)				STATUS	COMMENTS
			1	2	3	4		
33482-0401	BLACK	A					SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0402	LIGHT GRAY	B					SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0403	BROWN	C					DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4403, SAME KEY IN DIFFERENT COLOR
33482-0404	GREEN	D					DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4404, SAME KEY IN DIFFERENT COLOR
33482-0406	BLACK	A		X			SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0407	LIGHT GRAY	B		X			SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0408	BROWN	C		X			DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4405, SAME KEY IN DIFFERENT COLOR
33482-0409	GREEN	D		X			DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4406, SAME KEY IN DIFFERENT COLOR
33482-0411	BLACK	A		X	X		SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0412	LIGHT GRAY	B		X	X		SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0413	BROWN	C		X	X		DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4407, SAME KEY IN DIFFERENT COLOR
33482-0414	GREEN	D		X	X		DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4408, SAME KEY IN DIFFERENT COLOR
33482-0416	BLACK	A	X	X	X	X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0417	LIGHT GRAY	B	X	X	X	X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0418	BROWN	C	X	X	X	X	DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4409, SAME KEY IN DIFFERENT COLOR
33482-0419	GREEN	D	X	X	X	X	DESIGN CONCEPT	NOT RECOMMENDED, USE 33482-4410, SAME KEY IN DIFFERENT COLOR
33482-0421	BLACK	A	X	X	X		SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0422	BLACK	A				X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0423	BLACK	A			X	X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0424	BLACK	A			X		SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-0425	BLACK	A	X	X			SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4403	DARK GRAY	C					SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4404	STONE GRAY	D					SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4405	DARK GRAY	C		X			SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4406	STONE GRAY	D		X			SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4407	DARK GRAY	C		X	X		SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4408	STONE GRAY	D		X	X		SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4409	DARK GRAY	C	X	X	X	X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4410	STONE GRAY	D	X	X	X	X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)
33482-4411	BLACK	A		X		X	SALEABLE	RECOMMENDED, TEMPERATURE CLASS 4 (-40°C TO 150°C)

REVISED EC NO. UAU2013-1473 DRAWN BY CHKD APPROF ITT APPR: VKOSHY 2013/03/17 2013/03/20 2013/03/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																
		<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES ±</td><td>---</td><td>± ---</td></tr><tr><td>3 PLACES ±</td><td>---</td><td>± ---</td></tr><tr><td>2 PLACES ±</td><td>0.10</td><td>± ---</td></tr><tr><td>1 PLACE ±</td><td>0.3</td><td>± ---</td></tr><tr><td>0 PLACE ±</td><td></td><td>±</td></tr></table>			mm	INCH	4 PLACES ±		---	± ---	3 PLACES ±	---	± ---	2 PLACES ±	0.10	± ---	1 PLACE ±	0.3	± ---	0 PLACE ±		±	DRAWN BY MYANSLAMBROU DATE 04-27-06	
	mm	INCH																						
4 PLACES ±	---	± ---																						
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2 PLACES ±	0.10	± ---																						
1 PLACE ±	0.3	± ---																						
0 PLACE ±		±																						
ANGULAR ± 3 °		CHECKED BY DGR IFFI THS DATE 06-22-06		APPROVED BY SMARCEAU DATE 06-22-06																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33482-041																				
SIZE D							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
										SHEET NO. 5 OF 5														