



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

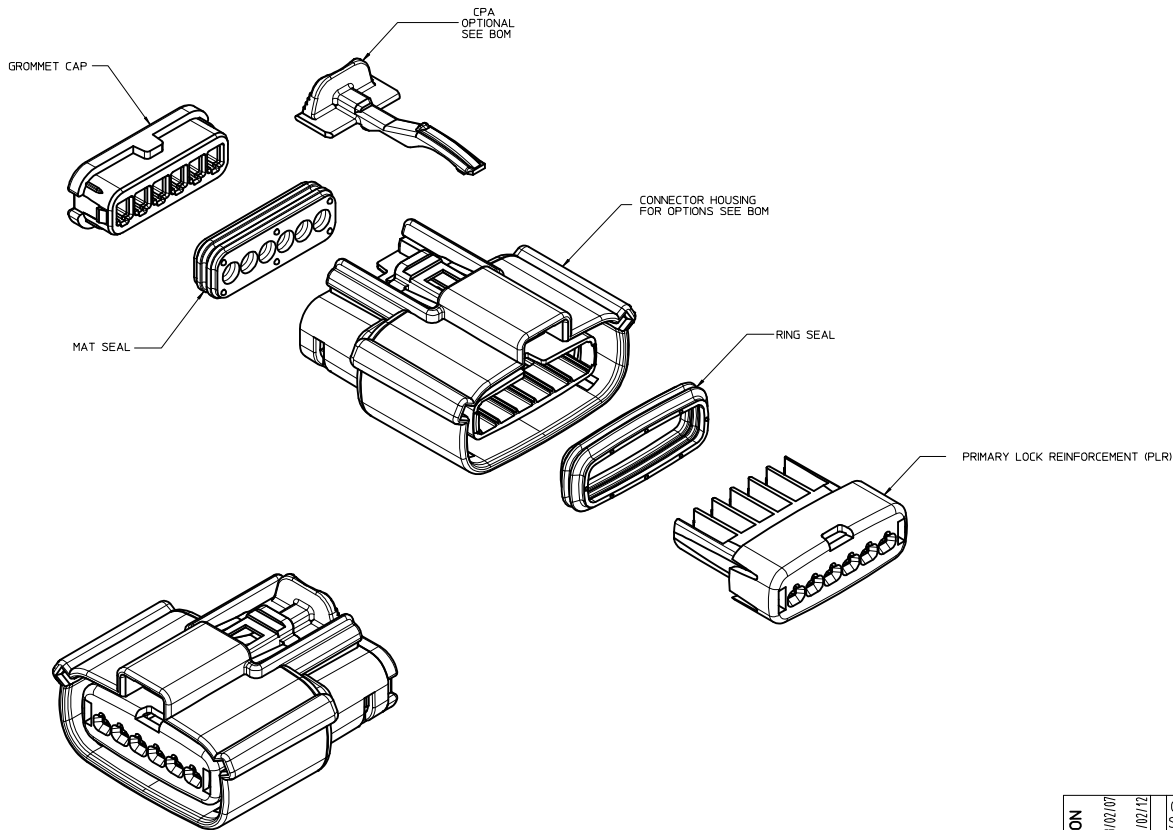
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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3	RECEPTACLE SEALED ASSEMBLY
4	BOM

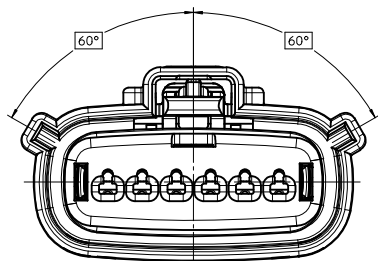


NOTES: VALID UNLESS OTHERWISE SPECIFIED

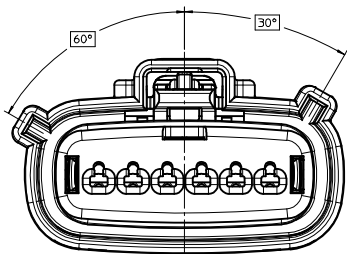
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-006-1-Z03, AVAILABLE AT <<http://ewcap.uscorleams.org/>>
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-061
 - 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-2 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/JSCAR-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, 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=15255)
2. DESIGN - MATERIALS:
- a. CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
 - b. CPA: PBT 20% GLASS FILLED
 - c. MAT SEAL AND 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 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: 5
ADDED:
REMOVED:

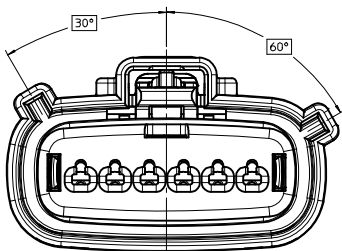
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					SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
					DOCUMENT NO.		
					SHEET NO. 1 OF 4		
TITLE MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex							



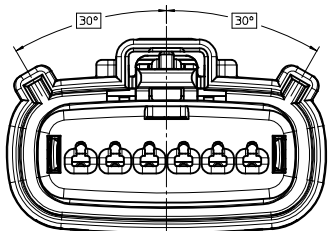
KEY A



KEY B




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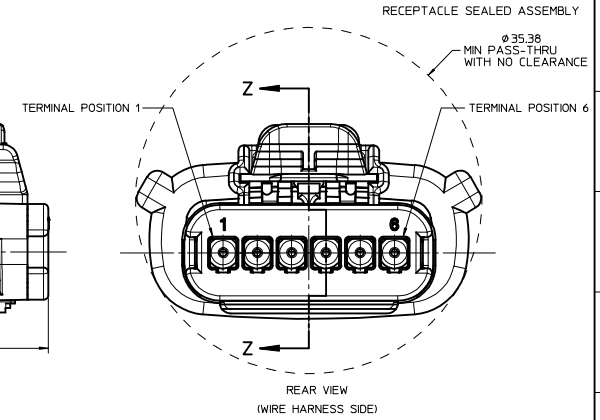
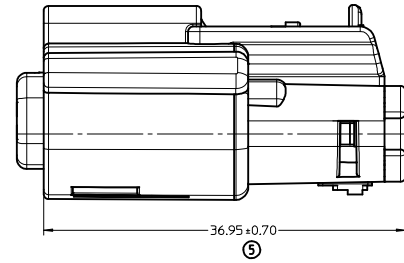
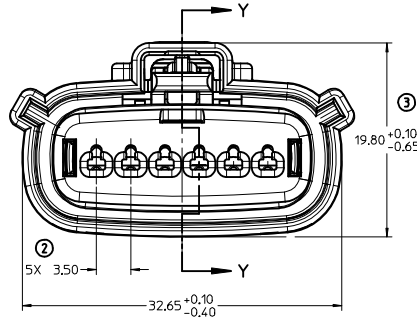
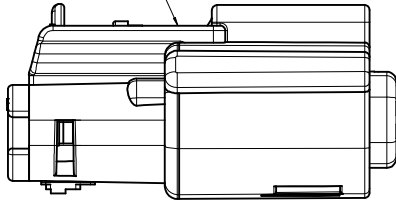


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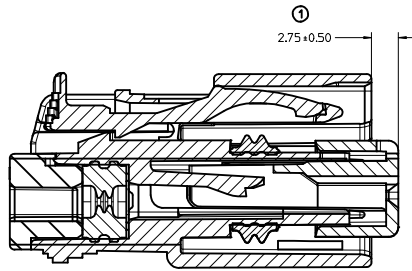
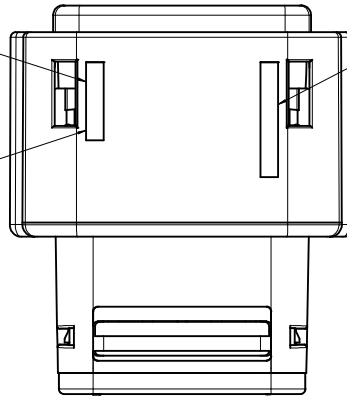
KEY CONFIGURATIONS

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				mm	INCH																					
			4 PLACES	± ---	± ---																					
			3 PLACES	± ---	± ---																					
			2 PLACES	± 0.10	± ---																					
1 PLACE	± 0.3	± ---																								
0 PLACE	±	±																								
DRAWN BY DGRIF F I T H S		DATE 06-03-03		MATERIAL NO. SEE BOM																						
CHECKED BY DGRIF F I T H S		DATE 06-03-03		DOCUMENT NO. SD-33471-061																						
APPROVED BY DGRIF F I T H S		DATE 06-03-03		SHEET NO. 2 OF 4																						
SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

LASER MARKING THIS SURFACE
SEE NOTE 3g.

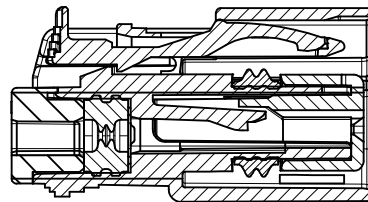


MOLD CAVITY CODE
LOCATION CODE
RECYCLE CODE



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 IEC NO: UAU2013-055 DRAWN BY: CHYD CHKD: APPR: WDSHY REV: 1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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		3 PLACES ± ---		± ---		CHECKED BY	DATE			
		2 PLACES ± 0.10		± ---		DGRIFFITHS	06-03-03			
		1 PLACE ± 0.3		± ---		APPROVED BY	DATE			
		0 PLACE ±		±		DGRIFFITHS	06-03-03	DOCUMENT NO. SD-33471-061		
		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		
						SHEET NO. 3 OF 4				

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						CPA	STATUS
			1	2	3	4	5	6		
33471-0601	BLACK	A							-	SALEABLE
33471-0602	LT. GRAY	B							-	
33471-0603	BROWN	C							-	
33471-0604	GREEN	D							-	
33471-0605	YELLOW	A							-	SALEABLE
33471-0606	BLACK	A							YES	SALEABLE
33471-0607	LT. GRAY	B							YES	
33471-0608	BROWN	C							YES	
33471-0609	GREEN	D							YES	
33471-0610	YELLOW	A							YES	SALEABLE
33471-0611	BLACK	A						X	-	SALEABLE
33471-0612	LT. GRAY	B						X	-	
33471-0613	BROWN	C						X	-	
33471-0614	GREEN	D						X	-	
33471-0615	YELLOW	A						X	-	SALEABLE
33471-0616	BLACK	A						X	YES	SALEABLE
33471-0617	LT. GRAY	B						X	YES	
33471-0618	BROWN	C						X	YES	
33471-0619	GREEN	D						X	YES	
33471-0620	YELLOW	A						X	YES	SALEABLE
33471-0621	BLACK	A	X					X	-	SALEABLE
33471-0622	LT. GRAY	B	X					X	-	
33471-0623	BROWN	C	X					X	-	
33471-0624	GREEN	D	X					X	-	
33471-0625	YELLOW	A	X					X	-	SALEABLE
33471-0626	BLACK	A	X					X	YES	SALEABLE
33471-0627	LT. GRAY	B	X					X	YES	
33471-0628	BROWN	C	X					X	YES	
33471-0629	GREEN	D	X					X	YES	
33471-0630	YELLOW	A	X					X	YES	SALEABLE
33471-0631	BLACK	A	X	X	X	X	X	X	-	SALEABLE
33471-0632	LT. GRAY	B	X	X	X	X	X	X	-	
33471-0633	BROWN	C	X	X	X	X	X	X	-	
33471-0634	GREEN	D	X	X	X	X	X	X	-	
33471-0635	YELLOW	A	X	X	X	X	X	X	-	SALEABLE
33471-0650	BLACK	A						X	-	SALEABLE
33471-0651	BLACK	A	X	X	X	X	X	X	YES	SALEABLE
33471-0652	BLACK	A					X		YES	SALEABLE
33471-0653	BLACK	A				X			YES	SALEABLE
33471-0654	BLACK	A				X			-	SALEABLE
33471-0655	BLACK	A			X	X	X		-	SALEABLE
33471-0656	BLACK	A					X		-	SALEABLE
33471-0657	BLACK	A				X			-	SALEABLE
33471-0658	BLACK	A	X	X	X	X			-	SALEABLE

ENTER DESCRIPTION
EC NO: UAU2013-1255
2013/02/07
DRAWN BY
CHKD:
APPR: W05HY
2013/02/12
REV
DESCRIPTION

QUALITY SYMBOLS
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▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
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4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± 0.10 ± ---
1 PLACE ± 0.3 ± ---
0 PLACE ± ±
ANGULAR ± 3 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

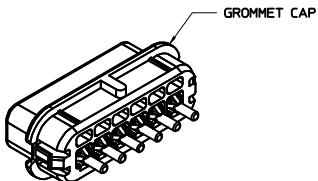
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MATERIAL NO.
SEE BOM

SCALE
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION

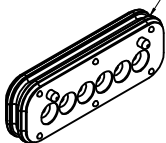
TITLE
MX150 1X6 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL
molex

DOCUMENT NO.
SD-33471-061
SHEET NO.
4 OF 4

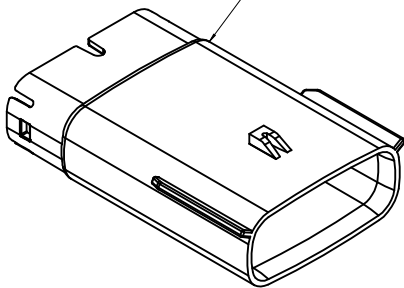
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4	SYSTEM PACKAGING
5	BOM



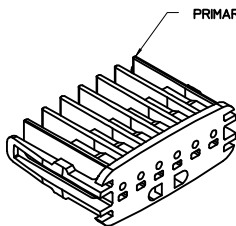
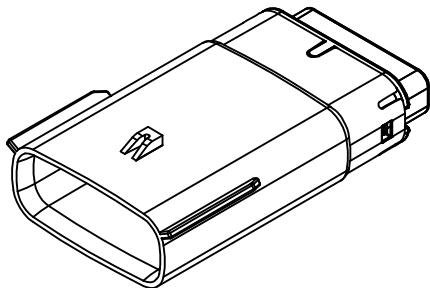
GROMMET CAP



MAT SEAL



CONNECTOR HOUSING
FOR OPTIONS SEE BOM



PRIMARY LOCK REINFORCEMENT (PLR)

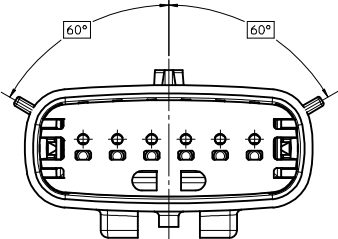
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1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY,
CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR
MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY
CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY
SPECIFIED IN MOLEX DRAWING SD-33471-061.
-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 1.2mm 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: 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
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

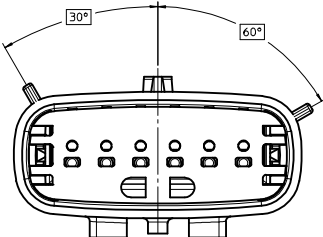
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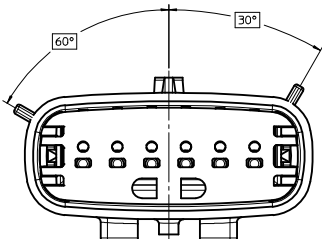
KEY CONFIGURATIONS



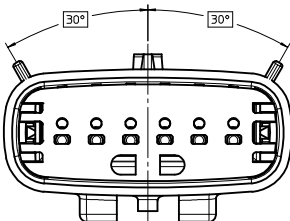
KEY A




KEY B

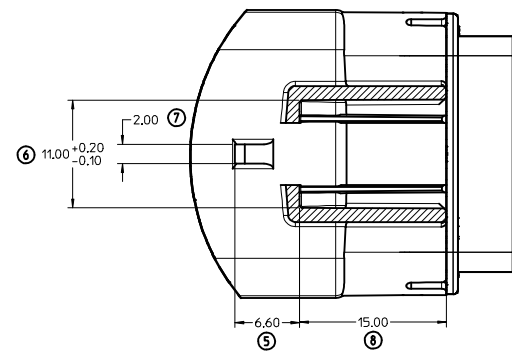
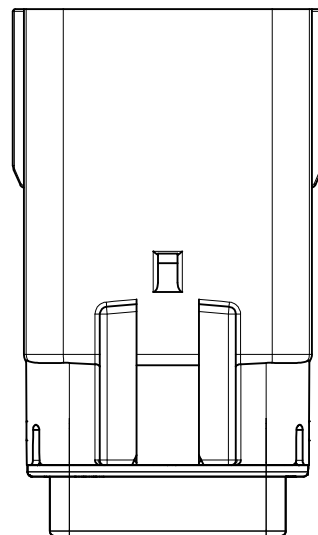
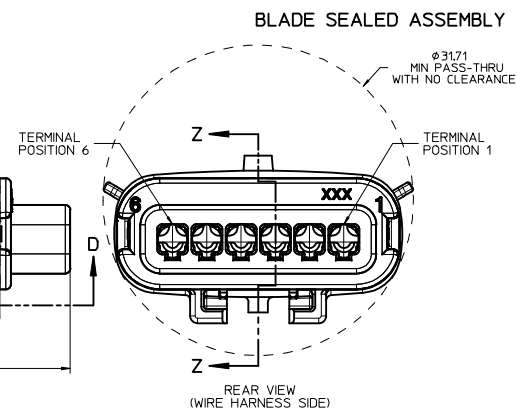
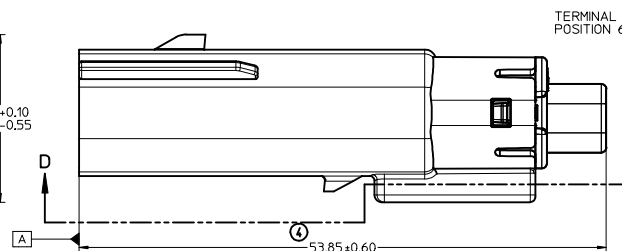
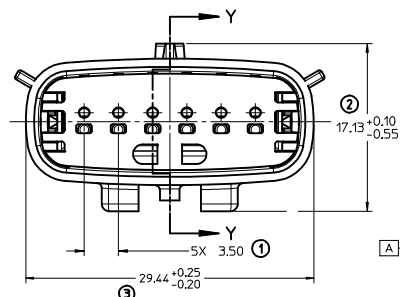
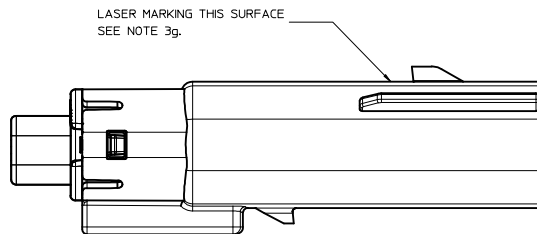


KEY C

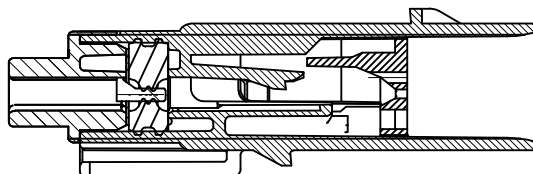


KEY D

REVISED EC NO: UAU2013-1487 DRAWN: PROFFITT CHKD: MOLOCK APPD: VKOSHY	DESCRIPTION REV 2013/03/20 2013/03/21 2013/03/26	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-061		2 OF 5
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

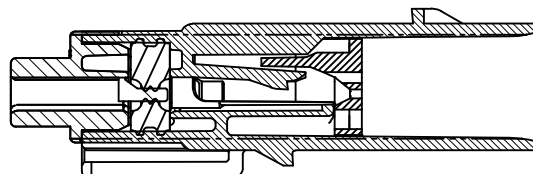


SECTION D-D



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

SECTION Z-Z



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

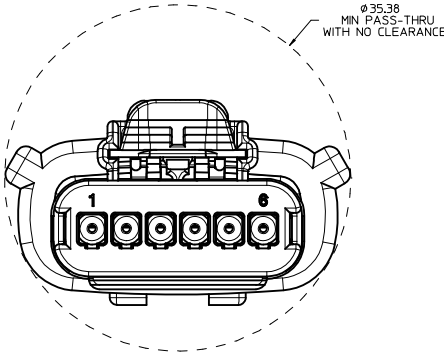
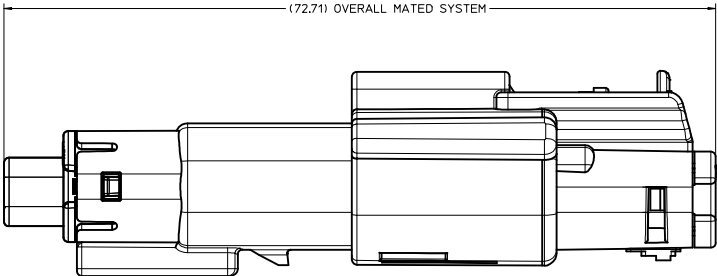
SECTION Y-Y

<div>REVISED</div> <div>IEC NO. UAU2013-1487</div> <div>2013/03/20</div> <div>DRAWN BY: CHYKHOLOK</div> <div>2013/03/21</div> <div>APPR: VKOSHY</div> <div>2013/03/26</div>	<div>QUALITY SYMBOLS</div> <div>▽=0</div> <div>▽=0</div> <div>▽=0</div>	<div>DESCRIPTION</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	<div>THIRD ANGLE PROJECTION</div>
					MM ONLY		4:1	METRIC	
					DRAWN BY	DATE	TITLE		
					DMARCOUX	06-14-02			
					CHECKED BY	DATE			
					DGRIFTH	06-14-02			
					APPROVED BY	DATE			
					VKOSHY	2010/11/04			
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE		SEE BOM		SD-33481-061		3 OF 5	
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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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

SYSTEM PACKAGING



REVISED EC NO: UAU2013-1487 DRAWN: PROFFITT CHKD: MOICK APP: VKOSHY	2013/03/20 2013/03/21 2013/03/26	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE				SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
								MM ONLY				4:1	METRIC				
								mm		INCH		DRAWN BY		DATE		TITLE	
				▽=0				4 PLACES ±		±		DMARCOUX		06-14-02		MX150 1X6 BLADE	
				▽=0				3 PLACES ±		---		CHECKED BY		DATE		SEALED ASSEMBLY	
				▽=0				2 PLACES ±		0.10		DGR IFFTH		06-14-02		MAT SEAL	
								1 PLACE ±		0.3		APPROVED BY		DATE		molex	
								0 PLACE ±		±		VKOSHY		2010/11/04			
								ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM		SD-33481-061		4 OF 5	

SIZE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

BOM SHEET 1


ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)						STATUS	COMMENTS
			1	2	3	4	5	6		
33481-0601	BLACK	A							SALEABLE	
33481-0602	LT.GRAY	B								
33481-0603	BROWN	C								NOT RECOMMENDED, SEE P/N 33481-0618
33481-0604	GREEN	D								NOT RECOMMENDED, SEE P/N 33481-0619
33481-0605	YELLOW	A							SALEABLE	
33481-0606	BLACK	A						X	SALEABLE	
33481-0607	LT.GRAY	B						X		
33481-0608	BROWN	C						X		
33481-0609	GREEN	D						X		
33481-0610	YELLOW	A						X	SALEABLE	
33481-0611	BLACK	A	X					X	SALEABLE	
33481-0612	LT.GRAY	B	X					X		
33481-0613	BROWN	C	X					X		
33481-0614	GREEN	D	X					X		
33481-0615	YELLOW	A	X					X	SALEABLE	
33481-0616	BLACK	A	X	X	X	X	X	X	SALEABLE	
33481-0617	BLACK	A					X		SALEABLE	
33481-0618	DK.GRAY	C								
33481-0619	ST.GRAY	D								

R

R

R

R

REVISED EC NO: UAU2013-1487 DRAWN: PROFFITT CHECKED: CHYKMO/CK APPROVED: VKOSHY 2013/03/20 2013/03/21 2013/03/26	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		
					MM ONLY			METRIC		
					DRAWN BY	DATE	TITLE			
			4 PLACES ± ± ± ±		DMARCOUX	06-14-02	MX150 1X6 BLADE			
			3 PLACES ± ± ± ±		CHECKED BY	DATE	SEALED ASSEMBLY			
			2 PLACES ± ± ± ±		DGRIFITH	06-14-02	MAT SEAL			
1 PLACE ± ± 0,3 ± ±		APPROVED BY	DATE	molex						
0 PLACE ± ± ± ±		VKOSHY	2010/11/04							
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-061		SHEET NO. 5 OF 5		
				SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					