



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

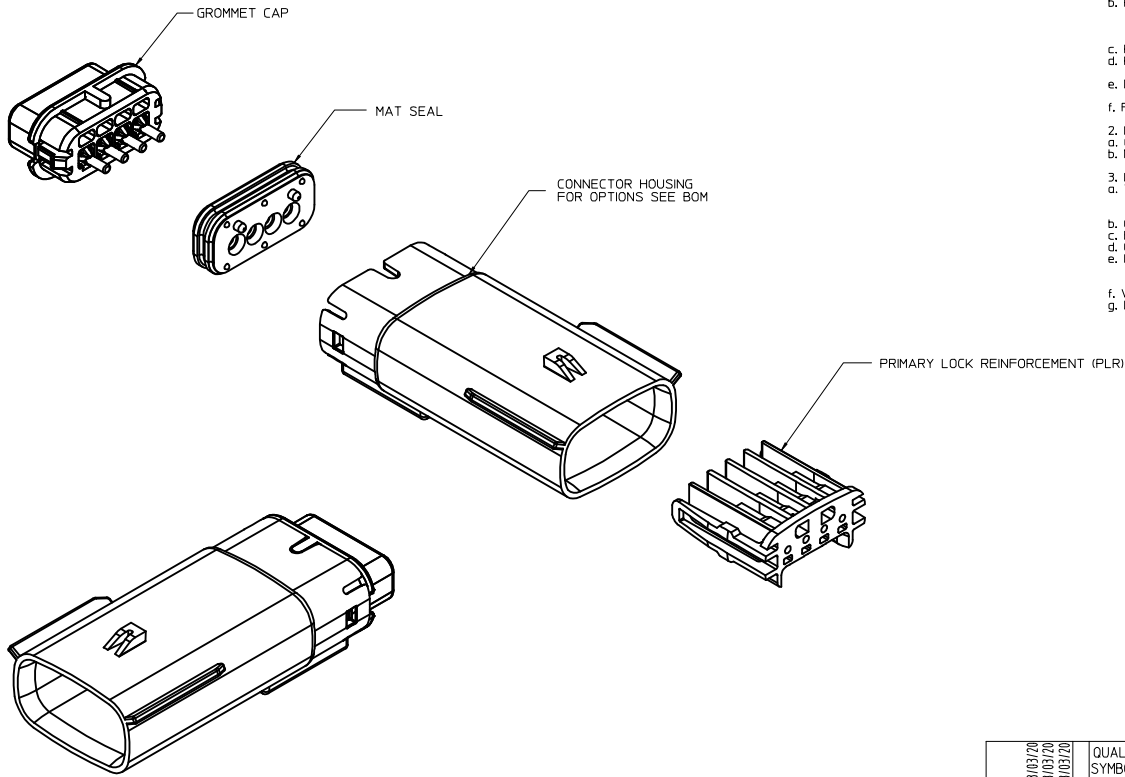
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SHEET NO.	SHEET DESCRIPTION
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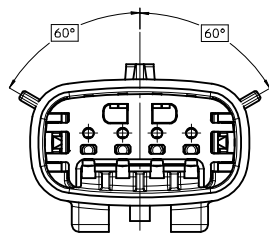
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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-33471-041.  
-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 1.2mm 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) <<http://www.molex.com>>  
-ASSEMBLY CONFORMS TO SAE/JEUSCAR-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#1325)
  - f. FOR INFORMATION ON 1X4 BLADE SEALED ASSEMBLY WITH SHORTING BAR SEE SD-31280-200.
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

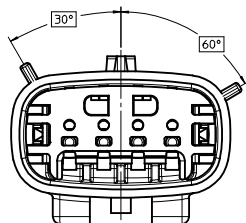
U	UPDATED GROMMET CAP
T1	UPDATED DIMENSIONS TO MATCH MODEL
T	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD
S	REDRAWN
REV	DESCRIPTION

REVISED EC NO: UAU2013-4479 DRAWN BY: CHYKHOI CK CHECKED BY: APPR:VKOSHY 2013/03/20 2013/03/20 2013/03/20	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± 0.10	MM ONLY	3:1	METRIC	☉
	▽=0	3 PLACES ± 0.05	mm	DRAWN BY: DMARCOUX	DATE: 06-14-02	TITLE: MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL
	▽=0	2 PLACES ± 0.03	INCH	CHECKED BY: DGRIFFIT	DATE: 06-14-02	APPROVED BY: FHOLUB
		0 PLACE ± 0.03		DATE: 06-14-02		
		ANGULAR ± 3 °	MATERIAL NO.	DOCUMENT NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE BOM	SD-33481-041		
			SIZE D			

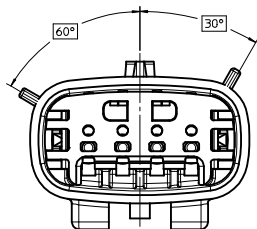
KEY CONFIGURATIONS



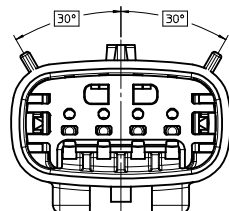
KEY A



KEY B

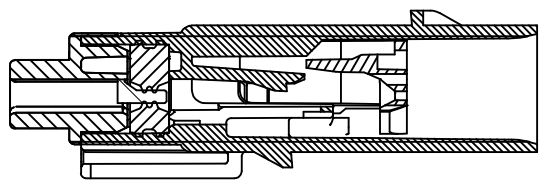
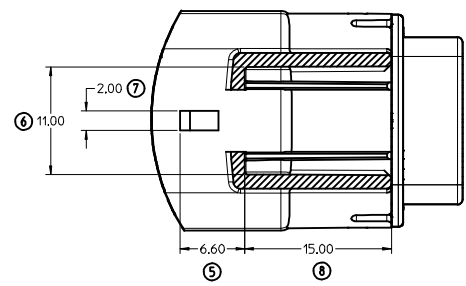
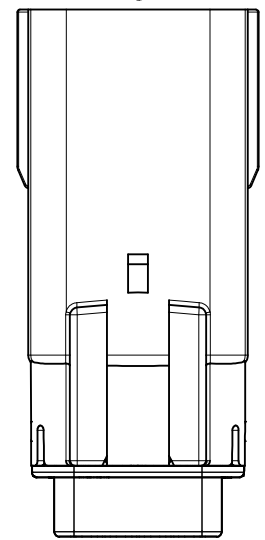
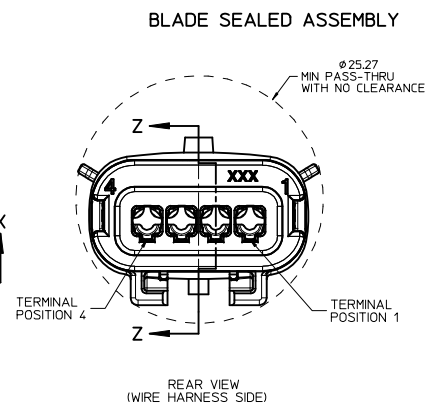
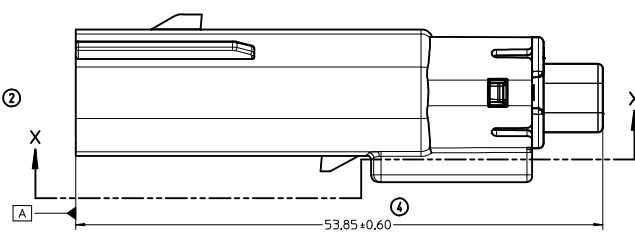
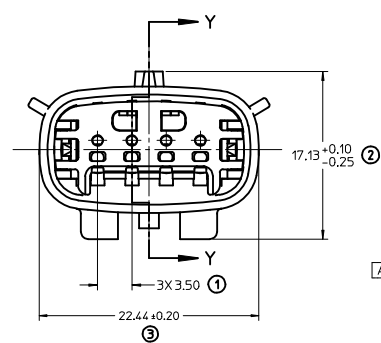
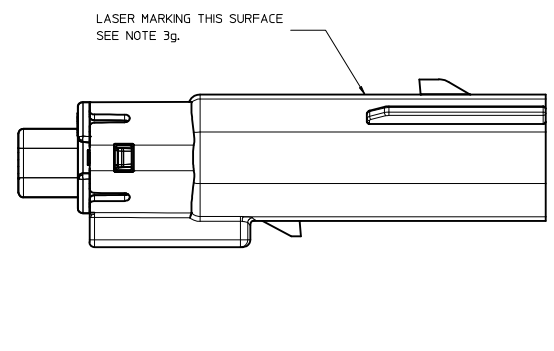


KEY C



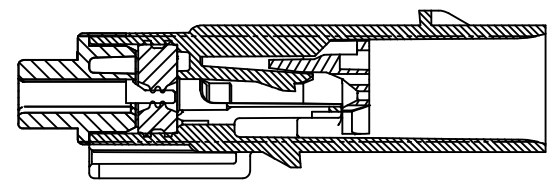
KEY D

REVISED IEC NO. UAU2013-1479 U DRAWN: PROFFITT CHYKHOLOK APPR: IKOSHY	2013/03/20 2013/03/20 2013/03/20	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
						DRAWN BY DMARCOUX	DATE 06-14-02	TITLE <b>MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL</b>		
						CHECKED BY DGRIFFIT	DATE 06-14-02	MATERIAL NO. <b>SEE BOM</b>		DOCUMENT NO. <b>SD-33481-041</b>
						APPROVED BY FHOLUB	DATE 06-14-02	SHEET NO. 2 OF 5		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 3 °		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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

SECTION Z-Z



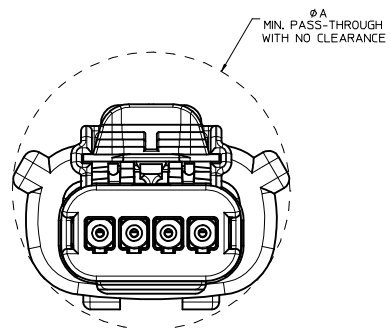
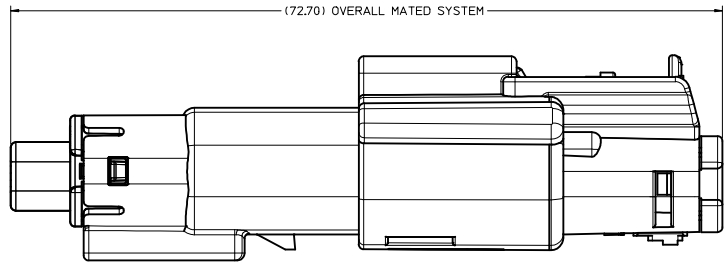
PRIMARY LOCK REINFORCEMENT (PLR) SHOWN  
IN FINAL-LOCK POSITION

SECTION Y-Y

<b>REVISED</b> EC NO: UAU2013-1479 DRAWN BY: DMARCOUX CHKD BY: DGRIFFIT APPR: KOSHY 2013/03/20 2013/03/20 2013/03/20 DESCRIPTION	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 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
	MATERIAL NO. SEE BOM		DATE 06-14-02 DATE 06-14-02 DATE 06-14-02		TITLE MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL		DOCUMENT NO. SD-33481-041		SHEET NO. 3 OF 5		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	ANGULAR $\pm 3^\circ$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DATE 06-14-02		DATE 06-14-02		DATE 06-14-02		DATE 06-14-02	
	APPROVED BY FHOLUB		DATE 06-14-02		DATE 06-14-02		DATE 06-14-02		DATE 06-14-02		DATE 06-14-02	

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

SYSTEM PACKAGING



CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X4 RECPT SEALED ASSY - STANDARD	29.14
MX150 1X4 RECPT SEALED ASSY - ERGO	29.33
MX150 1X4 RECPT SEALED ASSY - SHORTING (SHRT) BAR	29.14

<b>REVISED</b> IEC NO. UAU2013-1479 DRAWN: PROFFITT 2013/03/20 CHECKED: DICK 2013/03/20 APPR: WOSHY 2013/03/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ±	mm INCH	DRAWN BY DMARCOUX	DATE 06-14-02	TITLE <b>MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL</b>			
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY FHOLUB	DATE 06-14-02	MATERIAL NO. <b>SEE BOM</b>			
				DOCUMENT NO. <b>SD-33481-041</b>		SHEET NO. 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		
33481-0401	BLACK	A						
33481-0402	LT. GRAY	B						
33481-0403	BROWN	C						NOT RECOMMENDED, SEE P/N 33481-0424
33481-0404	GREEN	D						NOT RECOMMENDED, SEE P/N 33481-0425
33481-0405	BLACK	C						
33481-0406	BLACK	A				X		
33481-0407	LT. GRAY	B				X		
33481-0408	BROWN	C				X		
33481-0409	GREEN	D				X		
33481-0410	CUSTOM	TBD				X		
33481-0411	BLACK	A	X			X		
33481-0412	LT. GRAY	B	X			X		
33481-0413	BROWN	C	X			X		
33481-0414	GREEN	D	X			X		
33481-0415	CUSTOM	TBD	X			X		
33481-0416	BLACK	A	X	X	X	X		
33481-0417	LT. GRAY	B	X	X	X	X		
33481-0418	BROWN	C	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-0426
33481-0419	GREEN	D	X	X	X	X		NOT RECOMMENDED, SEE P/N 33481-0427
33481-0420	CUSTOM	TBD	X	X	X	X		
33481-0421	BLACK	A			X			
33481-0422	BLACK	A			X	X		
33481-0423	LT. GRAY	B	X	X				
33481-0424	DK. GRAY	C						
33481-0425	ST. GRAY	D						
33481-0426	DK. GRAY	C	X	X	X	X		
33481-0427	ST. GRAY	D	X	X	X	X		

33481-0424  
 33481-0425  
 33481-0426  
 33481-0427

REVISED IEC NO. UAU2013-1479 U DRAWN: APPROFIT 2013/03/20 CHYKHOLOK 2013/03/20 APPR: VKOSHY 2013/03/20 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	4 PLACES ± mm 3 PLACES ± mm 2 PLACES ± 0.10 1 PLACE ± 0.3 0 PLACE ±	UNLESS SPECIFIED mm INCH ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MM ONLY DRAWN BY DATE DMARCOUX 06-14-02 CHECKED BY DATE DGRIFFIT 06-14-02 APPROVED BY DATE FHOLUB 06-14-02		METRIC	MX150 1X4 BLADE SEALED ASSEMBLY MAT SEAL <b>molex</b>
			MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
			SEE BOM	SD-33481-041		5 OF 5	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				