

## Excellent Integrated System Limited

Stocking Distributor

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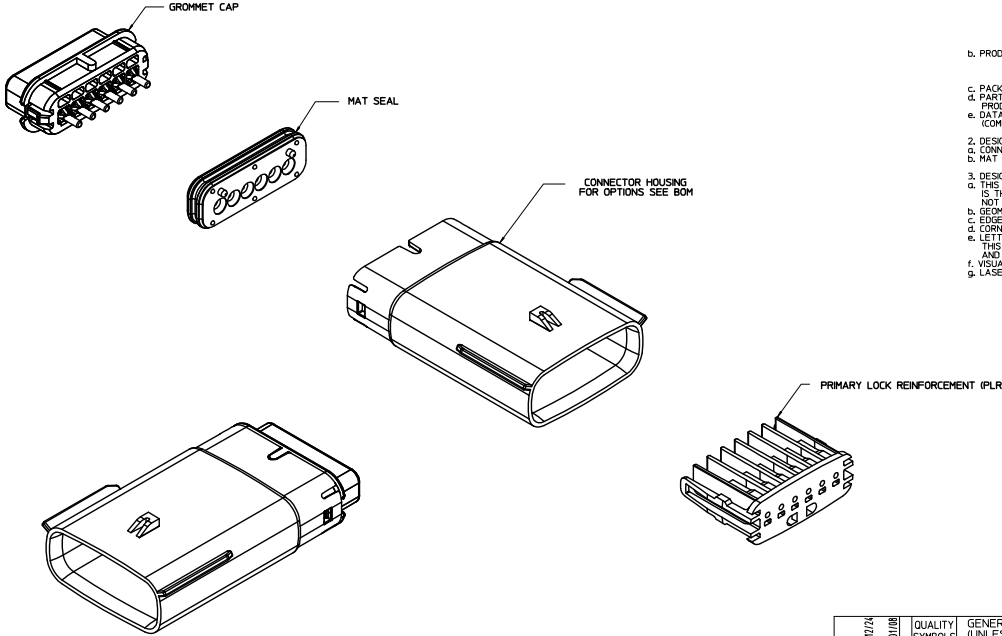
[Molex Connector Corporation](#)  
[0334810602](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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

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SHEET NO.	SHEET DESCRIPTION
1	NOTES
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3	BLADE SEALED ASSEMBLY
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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-33471-06-1.  
 -FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.  
 -SYSTEM TO BE USED WITH WIRE WITH 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-34464-001, AVAILABLE AT [www.molex.com](http://www.molex.com) - <http://www.molex.com>.  
 -ASSEMBLY CONFORMS TO SAFESCAR-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-33000-635  
 d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION ES-40000-5096  
 e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY 049295)

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 3D 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 UNDIMENSIONS PER ASME Y14.5M - 1994  
 d. CORNERS SHOWN AS SHARP, TO BE R 0.2 MAX.  
 e. LETTERING SHALL BE 0.5 MAX. RAISED IN 0.25 MAX. RECESS PAD.  
 f. AND CUSTOMER MATERIAL NUMBER SHALL BE INCORPORATED IN THE PART NUMBER.  
 g. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)  
 h. LASER MARKING: TBD

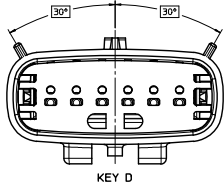
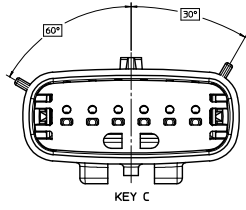
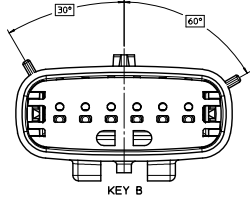
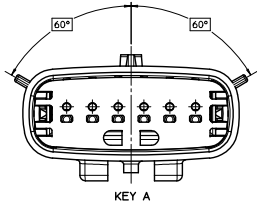
INSPECTION NUMBER LOG  
 LAST NUMBER USED: 8  
 ADDED:  
 REMOVED:

REV#	DESCRIPTION
V2	ADD NEW P/N 33481-0624
V1	ADD NEW P/N 33481-0623
U	ADD NEW P/N 33481-0621 33481-0622
T	ADD NEW P/N 33481-0620
S	UPDATED GROMMET CAP
R1	UPDATED DIMENSIONS TO MATCH MODEL
R	COLOR REPLACEMENT FOR KEY 'C' AND 'D' PER USCAR STANDARD
Q	RE-DRAWN

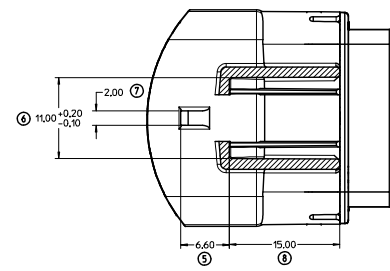
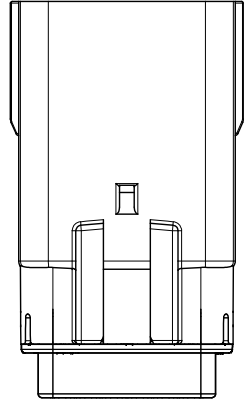
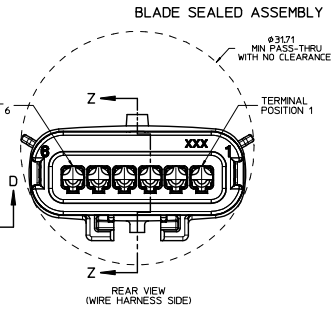
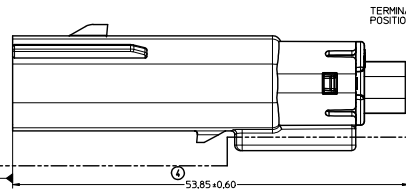
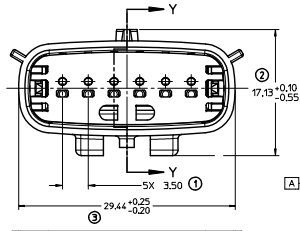
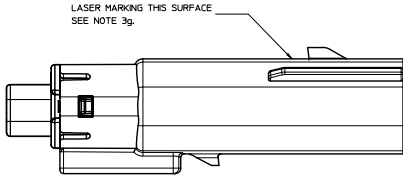
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	MM ONLY	INCH	MM ONLY	INCH			
∇=0	4 PLACES ±----	±----	DRAWN BY	DATE	3:1	METRIC	☉
∇=0	3 PLACES ±---	±---	DMARCOUX	06-14-02			
∇=0	2 PLACES ±--	±--	CREGEBY	DATE			
∇=0	1 PLACE ±-	±-	DGRIFTH	06-14-02			
∇=0	0 PLACE ±	±	APPROVED BY	DATE			
			WKOSHY	2010/11/04			
			MATERIAL NO.				
			ANGULAR ± 3 °				
			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				

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

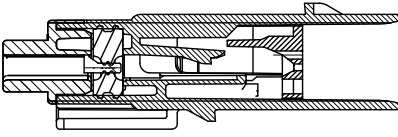
KEY CONFIGURATIONS



REVISED EC NO. LA/2016-0981 DRAWN BY VZ CHECKED APPR. BY DATE 2016/07/08	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DRIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.50 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ±	MM ONLY DRAWN BY DATE DMARLOUX 06-14-02 CHECKED BY DATE DGRIFETH 06-14-02 APPROVED BY DATE WKOSHY 2010/11/04	4:1	METRIC	MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL <b>molex</b>
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM SIZE D	DOCUMENT NO. SD-33481-061	SHEET NO. 2 OF 3		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

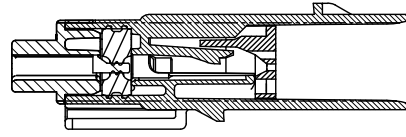


SECTION D-D



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

SECTION Z-Z

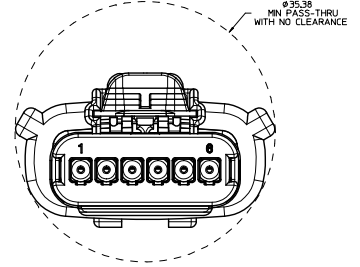
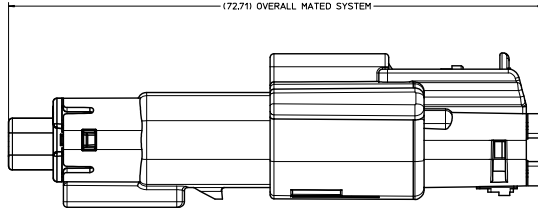


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN IN FINAL-LOCK POSITION

SECTION Y-Y

REVISED EC NO. LA020706-0981 DRAWN BY: VZ CHECKED: CHIK APPROVED BY: [Signature] DATE: 2015/12/24 2016/07/08	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± 0.15 3 PLACES ± 0.10 2 PLACES ± 0.10 1 PLACE ± 0.3 0 PLACE ± 0.3 ANGULAR ± 3° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: DMARLOUX CHECKED BY: DGRIFTH APPROVED BY: WKOSHY DATE: 06-14-02 DATE: 06-14-02 DATE: 2010/11/04	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL <b>molex</b> SEE BOM THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DOCUMENT NO. SD-33481-061	SHEET NO. 3 OF 3
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SYSTEM PACKAGING



REVISED EC NO. LA/2006-0981 VZ DRAWN BY CHKD: APP. BY REV:	2005/10/24	2010/07/08	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DRIMON STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																						
			$\nabla=0$ $\nabla=0$ $\nabla=0$	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </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>+0.50</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	+0.50	+---	1 PLACE	+0.3	+---	0 PLACE	±	±	<table border="1"> <tr> <th>DRAWN BY</th> <th>DATE</th> <th>TITLE</th> </tr> <tr> <td>DMARLOUX</td> <td>06-14-02</td> <td rowspan="3">MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>DGRIFETH</td> <td>06-14-02</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> <th></th> </tr> <tr> <td>WKOSHY</td> <td>2010/11/04</td> <td></td> </tr> </table>	DRAWN BY	DATE	TITLE	DMARLOUX	06-14-02	MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL	CHECKED BY	DATE	DGRIFETH	06-14-02	APPROVED BY	DATE		WKOSHY	2010/11/04		<table border="1"> <tr> <th>MATERIAL NO.</th> <th>DOCUMENT NO.</th> <th>SHEET NO.</th> </tr> <tr> <td>SEE BOM</td> <td>SD-33481-061</td> <td>4 OF 5</td> </tr> </table>	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	SEE BOM	SD-33481-061	4 OF 5
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<p style="text-align: center;"><b>molex</b></p>																																														

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				X	SALEABLE	
33481-0616	BLACK	A	X	X	X	X	X	X	SALEABLE	
33481-0617	BLACK	A					X	X	SALEABLE	
33481-0618	DK.GRAY	C								
33481-0619	ST.GRAY	D								
33481-0620	BLACK	A		X					SALEABLE	
33481-0621	ST.GRAY	D	X	X	X	X	X	X	SALEABLE	
33481-0622	ST.GRAY	D	X					X	SALEABLE	
33481-0623	BLACK	A	X	X			X		SALEABLE	
33481-0624	BLACK	A					X	X	SALEABLE	

REVISED E.C. NO. UAL22006-0981 DATE 2015/12/24 DRAWN BY VZ CHECKED APPROVED BY DATE 2016/01/09 DESIGNED BY	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ±.004	mm INCH	DRAWN BY	DATE	TITLE
	▽=0	3 PLACES ±.005		DMARCOUX	06-14-02	MX150 1X6 BLADE SEALED ASSEMBLY MAT SEAL
	▽=0	2 PLACES ±.010		DGR	FFTH	06-14-02
	1 PLACE ±.03		APPROVED BY	DATE		
	0 PLACE ±		WKOSHY	2010/11/04		
	ANGULAR ± 3 0		MATERIAL	SEE BOM	DOCUMENT NO.	SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	D	SD-33481-061	5 OF 5
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			