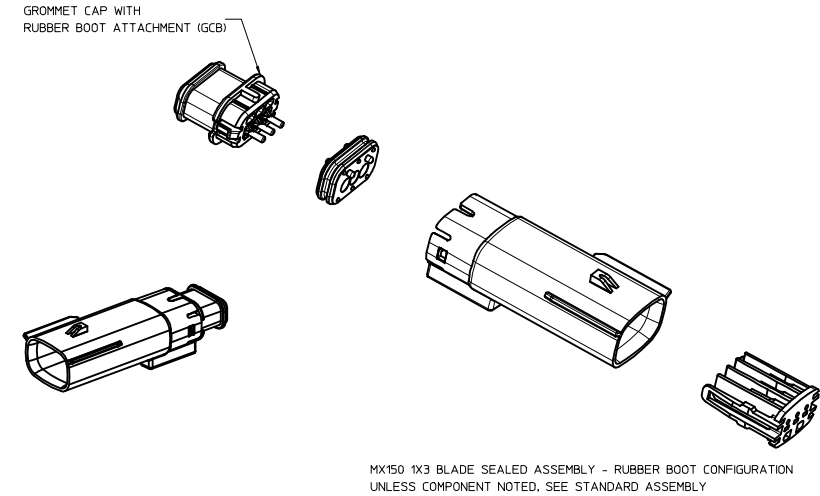
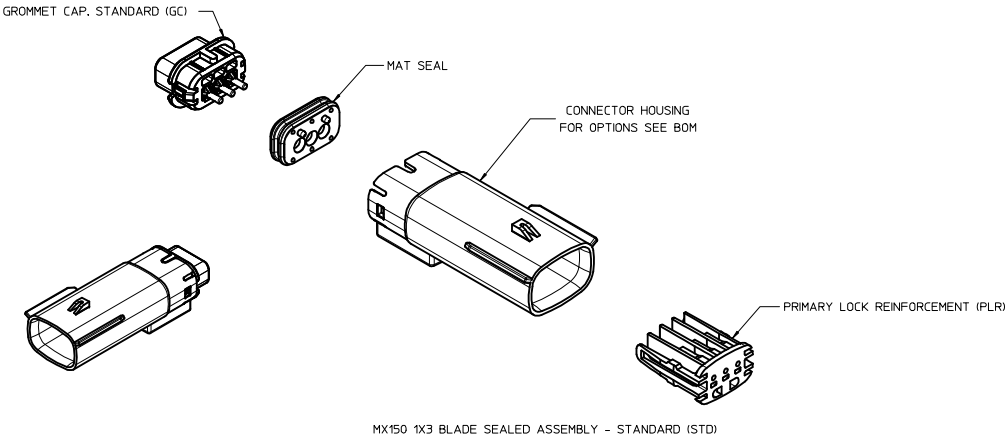


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	RUBBER BOOT CONFIGURATION
6	BOM
7	RUBBER BOOT INTERFACE

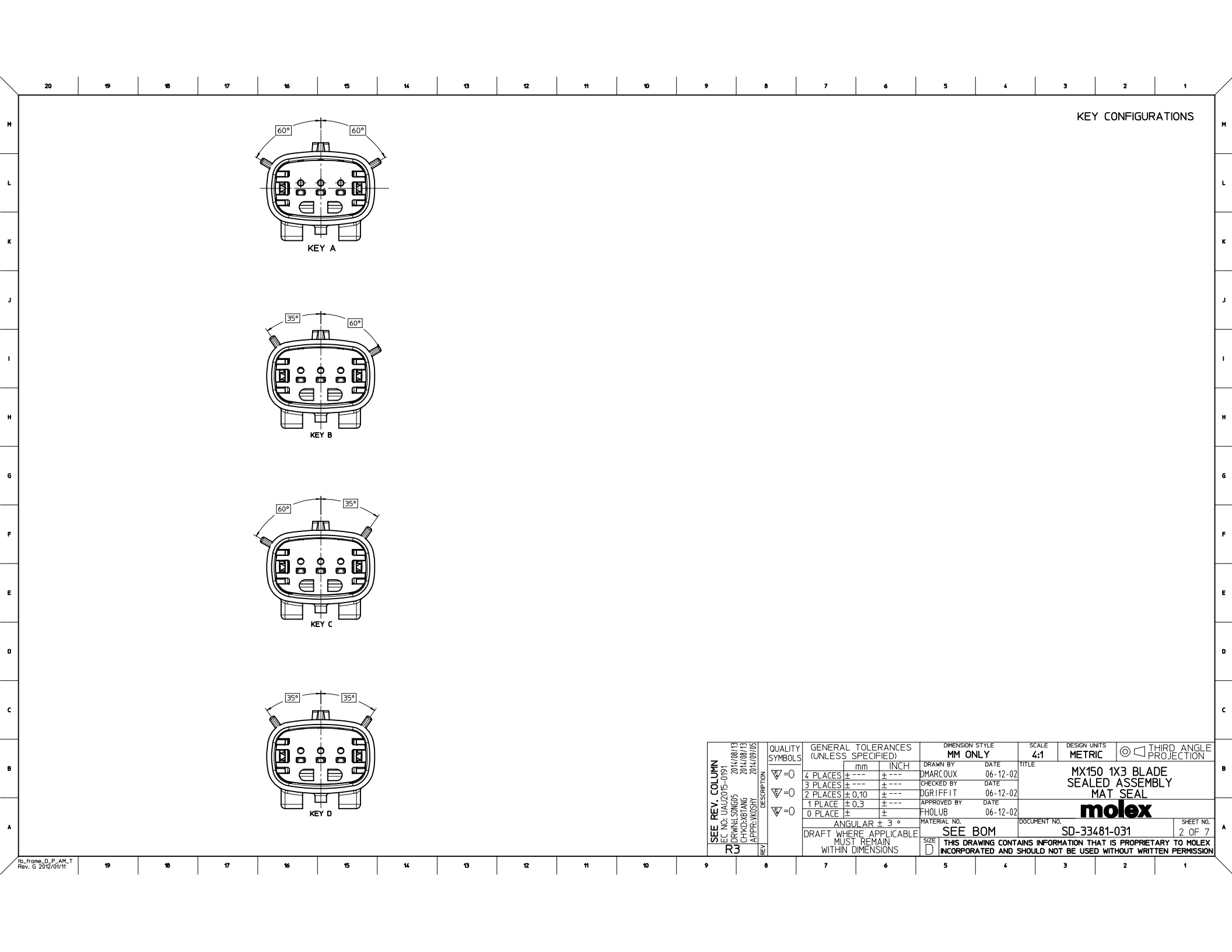


NOTES: VALID UNLESS OTHERWISE SPECIFIED

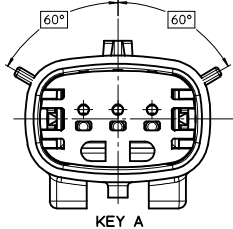
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-031.
-FOR 1.5mm 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 PS-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

INSPECTION NUMBER LOG
LAST NUMBER USED: 21
ADDED:
REMOVED:

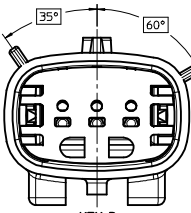
SEE REV. COLUMN EC NO: UAU2015-0191 DRAWN: SONGOS 2014/08/13 CHKD: BTANG 2014/08/13 APPR: IKOSHY 2014/09/05 REV R3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DMARCOUX 06-12-02 CHECKED BY DATE DGRIFFIT 06-12-02 APPROVED BY DATE FHOLUB 06-12-02 MATERIAL NO. SEE BOM SIZE D	SCALE 3:1 TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex SD-33481-031 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REVISION R3 R2 R1 R Q P N M3 M2 M1 M REV	DESCRIPTION DEVIATED THE DIM 16 RELEASED P/N 33481-0341 RELEASED P/N 33481-0340, DELETED P/N 33481-0331 ADD RUBBER BOOT CONFIGURATION UPDATE P/N 33481-0326 TO 33481-0330 ADD NEW P/N 33481-0326 UPDATED GROMMET CAP UPDATED DIMENSIONS TO MATCH MODEL COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD UPDATED NOTES REDRAWN	THIRD ANGLE PROJECTION	SHEET NO. 1 OF 7



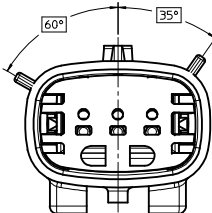
KEY CONFIGURATIONS



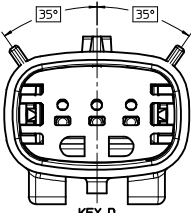
KEY A



KEY B



KEY C



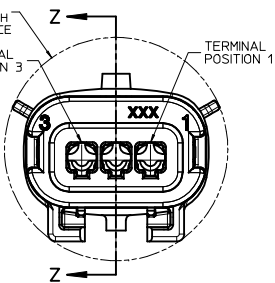
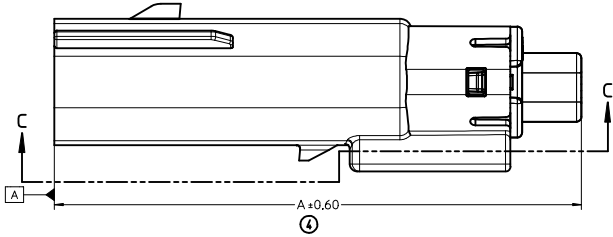
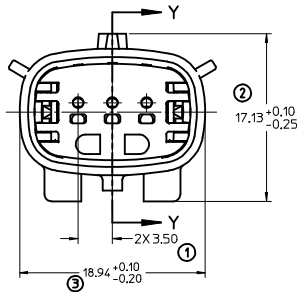
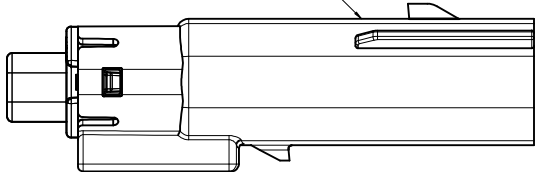
KEY D

SEE REV. COLUMN EC NO: UAU2015-0191 R3 DRAWN: SONG05 CHKD: XBTANG APPR: WKSHY	2014/08/13 2014/08/13 2014/09/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33481-031
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-031		2 OF 7			
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

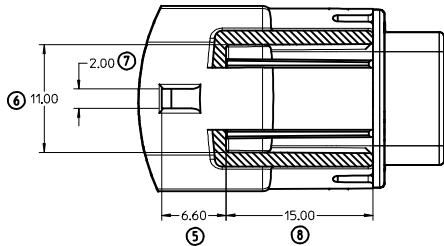
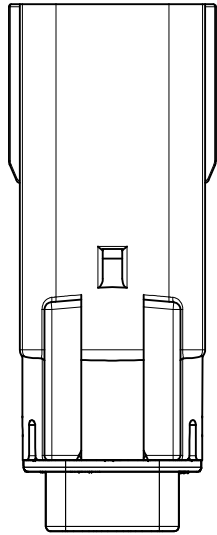
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BLADE SEALED ASSEMBLY

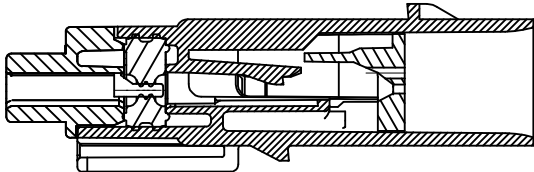
LASER MARKING THIS SURFACE
SEE NOTE 3g.



REAR VIEW
(WIRE HARNESS SIDE)

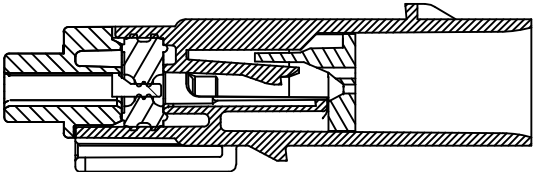


SECTION C-C



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

SECTION Z-Z



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

SECTION Y-Y

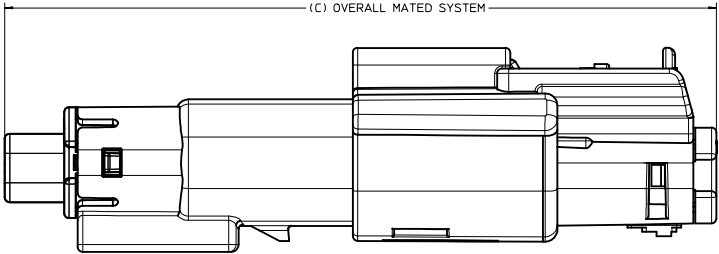
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	57.85

SEE REV. COLUMN EC NO. UAU2015-0191 DRAWN: SONGS CHKD: XTANG APPR: WOSHY REV R3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33481-031	SHEET NO. 3 OF 7
			mm INCH		DRAWN BY DATE		TITLE					
			4 PLACES ± --- ± ---		DMARCOUX 06-12-02							
			3 PLACES ± --- ± ---		CHECKED BY DATE							
			2 PLACES ± 0.10 ± 0.10		DGRIFFIT 06-12-02							
			1 PLACE ± 0.3 ± 0.3		APPROVED BY DATE							
0 PLACE ± ±		FHOLUB 06-12-02										
ANGULAR ± 3 °		MATERIAL NO.										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM										
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

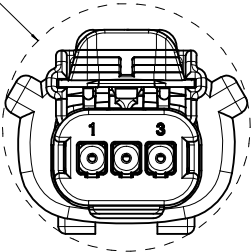
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SYSTEM PACKAGING



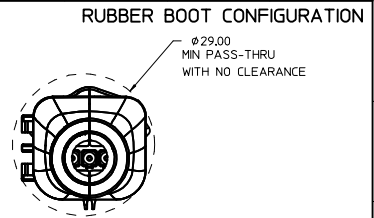
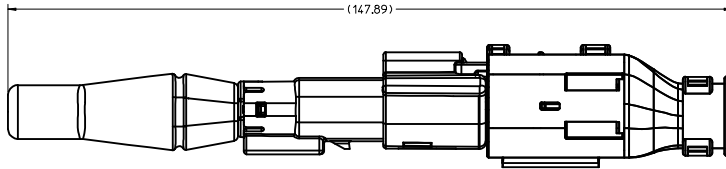
Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



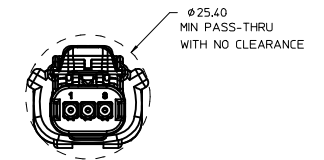
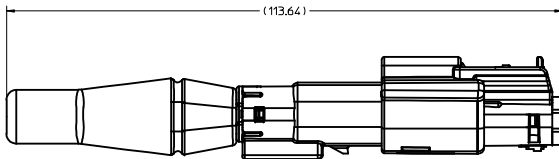
CHARTED DIMENSIONS	
CONFIGURATION	C
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	72.71
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	76.71

SEE REV. COLUMN EC NO: UAU2015-0191 DRAWN: SONG05 CHKD: XBTANG APPR: WKSHY	REV R3	DESCRIPTION 2014/08/13 2014/08/13 2014/09/05	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 ± ± ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE DMARCOUX 06-12-02 CHECKED BY DATE DGRIFFIT 06-12-02 APPROVED BY DATE FHOLUB 06-12-02	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33481-031	SHEET NO. 4 OF 7

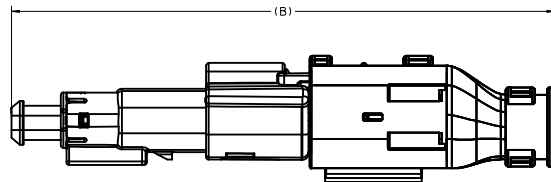
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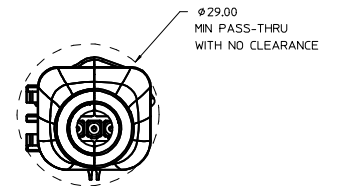
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL



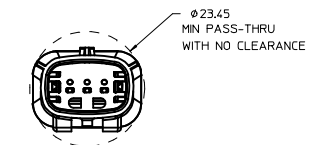
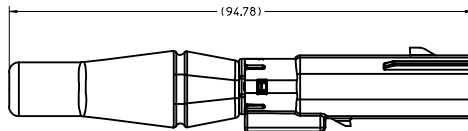
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



CHARTED DIMENSIONS		
CONFIGURATION		B
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD		106.96
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION		110.96



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE RUBBER BOOT

SEE REV. COLUMN			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
LEC NO: UAU2015-0191			▽=0		mm		MM ONLY		2:1		METRIC			
DRAWN: SONG05			▽=0		4 PLACES ± ---		DRAWN BY		DATE		TITLE		MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL	
CHKD: XBTANG			▽=0		3 PLACES ± ---		CHECKED BY		DATE					
APPR: WKSHY			▽=0		2 PLACES ± 0.10		DGRIFIT		DATE					
					1 PLACE ± 0.3		APPROVED BY		DATE					
					0 PLACE ±		FHOLUB		DATE					
					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
R3					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE BOM		SD-33481-031				5 OF 7	
							SIZE							

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

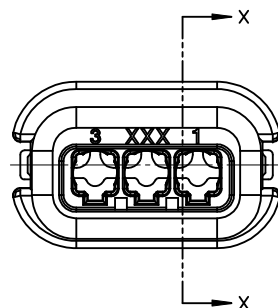
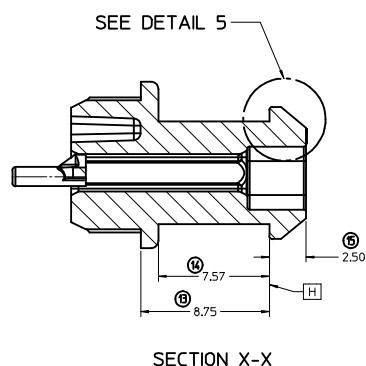
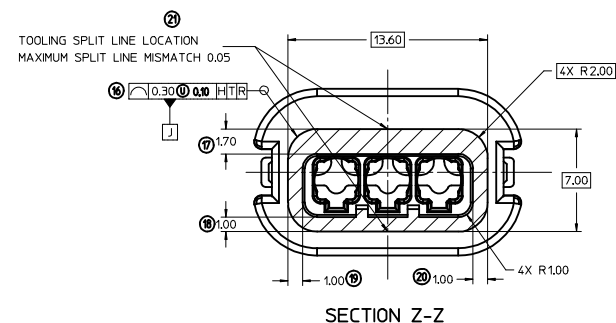
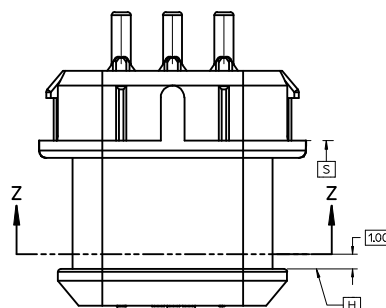
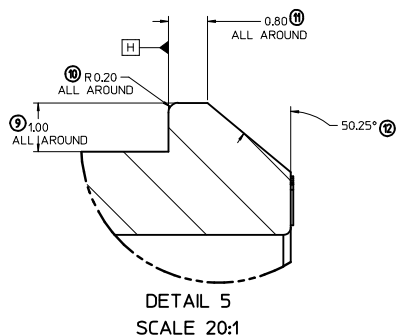
BOM

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3		
33481-0301	BLACK	A					NOT AVAILABLE
33481-0302	LT. GRAY	B					NOT AVAILABLE
33481-0303	BROWN	C				NOT RECOMMENDED, SEE P/N 33481-0322	NOT AVAILABLE
33481-0304	GREEN	D				NOT RECOMMENDED, SEE P/N 33481-0323	NOT AVAILABLE
33481-0305	CUSTOM	TBD					NOT AVAILABLE
33481-0306	BLACK	A			X		NOT AVAILABLE
33481-0307	LT. GRAY	B			X		NOT AVAILABLE
33481-0308	BROWN	C			X		NOT AVAILABLE
33481-0309	GREEN	D			X		NOT AVAILABLE
33481-0310	CUSTOM	TBD			X		NOT AVAILABLE
33481-0311	BLACK	A	X		X		NOT AVAILABLE
33481-0312	LT. GRAY	B	X		X		NOT AVAILABLE
33481-0313	BROWN	C	X		X		NOT AVAILABLE
33481-0314	GREEN	D	X		X		NOT AVAILABLE
33481-0315	CUSTOM	TBD	X		X		NOT AVAILABLE
33481-0316	BLACK	A	X	X	X		NOT AVAILABLE
33481-0317	LT. GRAY	B	X	X	X		NOT AVAILABLE
33481-0318	BROWN	C	X	X	X	NOT RECOMMENDED, SEE P/N 33481-0324	NOT AVAILABLE
33481-0319	GREEN	D	X	X	X	NOT RECOMMENDED, SEE P/N 33481-0325	NOT AVAILABLE
33481-0320	CUSTOM	TBD	X	X	X		NOT AVAILABLE
33481-0321	BLACK	A		X			NOT AVAILABLE
33481-0322	DK. GRAY	C					NOT AVAILABLE
33481-0323	ST. GRAY	D					NOT AVAILABLE
33481-0324	DK. GRAY	C	X	X	X		NOT AVAILABLE
33481-0325	ST. GRAY	D	X	X	X		NOT AVAILABLE
33481-0330	YELLOW	A					NOT AVAILABLE
33481-0340	BLACK	A				RUBBER BOOT CONFIGURATION	P/N TBD
33481-0341	BLACK	A	X	X	X	RUBBER BOOT CONFIGURATION	P/N TBD

SEE REV. COLUMN SEC NO. UAU2015-0191 DRAWN: SONGOS CHKD: XTANG APPR: IKOSHY REV R3	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
					MM ONLY			METRIC		
					DRAWN BY	DATE	TITLE			MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex
			4 PLACES ±mm ±INCH		DMARCOUX	06-12-02				
			3 PLACES ±mm ±INCH		CHECKED BY	DATE				
			2 PLACES ±mm ±INCH		DGR IFKIT	06-12-02				
			1 PLACE ±0.10 ±		APPROVED BY	DATE				
			0 PLACE ±0.3 ±		FHOLUB	06-12-02				
					MATERIAL NO.	DOCUMENT NO.				
					SEE BOM		SD-33481-031			SHEET NO. 6 OF 7
		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

RUBBER BOOT INTERFACE



SEE REV. COLUMN EC NO. IAU2015-0191 DRAWING SWG05 CHKD BY RANG APPR: WASHY 2014/08/19 2014/08/19 2014/08/19	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	▽=0	mm		INCH		DRAWN BY DMARCOUX		DATE 06-12-02		MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex
	▽=0	±		±		CHECKED BY		DATE		
	▽=0	±0.10		±		DGRIFFIT		06-12-02		
	▽=0	±0.3		±		APPROVED BY		DATE		
	▽=0	±		±		FHOLUB		06-12-02		
		ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.		SD-33481-031
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE BOM		SHEET NO. 7 OF 7		
						SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

MX150 1X3 BLADE
SEALED ASSEMBLY
MAT SEAL

molex

SD-33481-031

SHEET NO.
7 OF 7