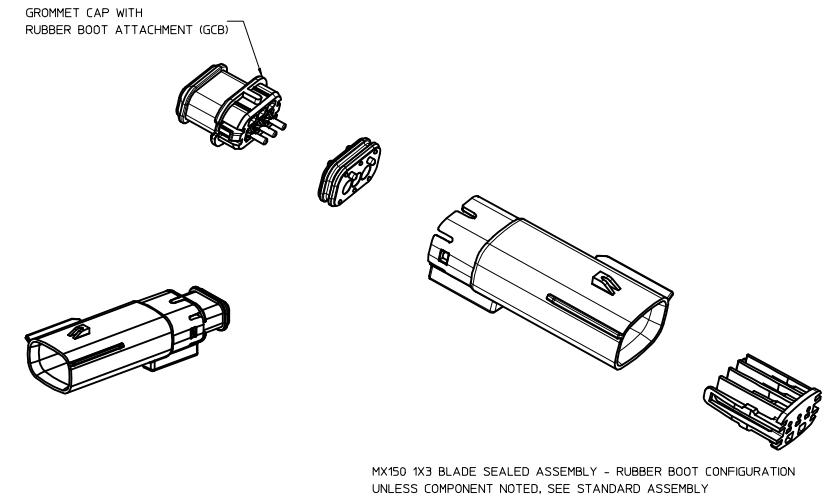
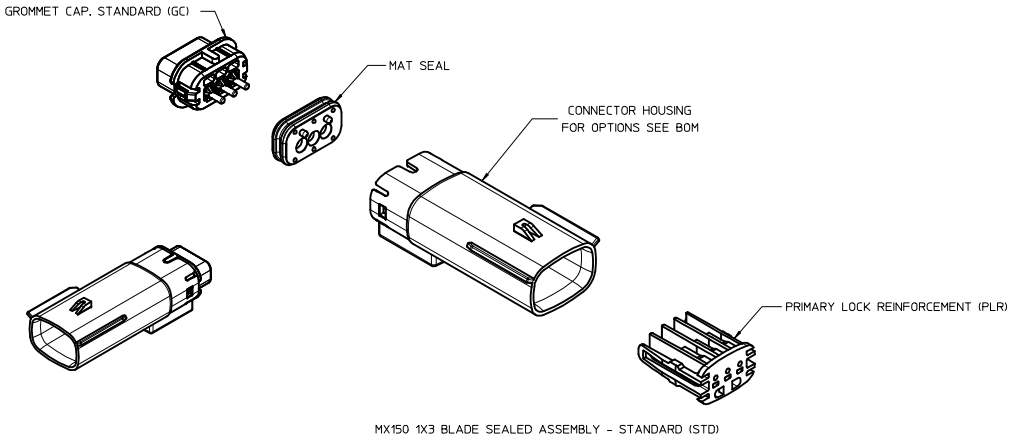


TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	BLADE SEALED ASSEMBLY
4	SYSTEM PACKAGING
5	RUBBER BOOT CONFIGURATION
6	BOM
7	RUBBER BOOT INTERFACE

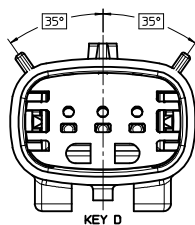


NOTES: VALID UNLESS OTHERWISE SPECIFIED

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:

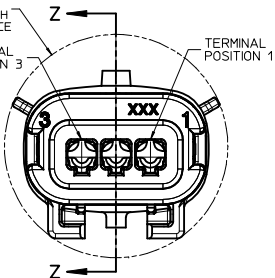
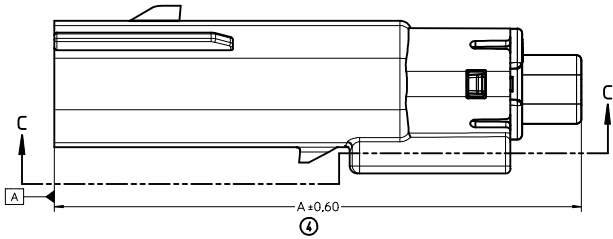
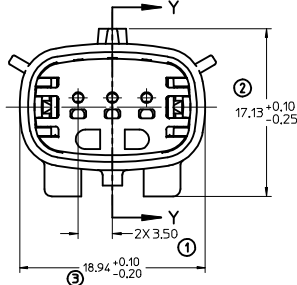
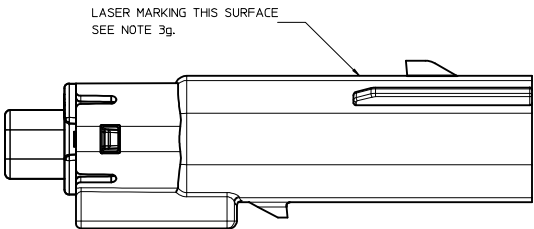
SEE REV. COLUMN EC NO: UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD:MANSI.AMBROU 2017/10/18 APPR:MANSI.AMBROU 2017/10/30 R4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.10 ± --- 2 PLACES ± 0.3 ± --- 1 PLACE ± ± --- 0 PLACE ± ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY SCALE 3:1 MATERIAL NO. SEE BOM SIZE D	DESIGN UNITS DATE 06-12-02 DATE 06-12-02 DATE 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex SD-33481-031	SHEET NO. 1 OF 7
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



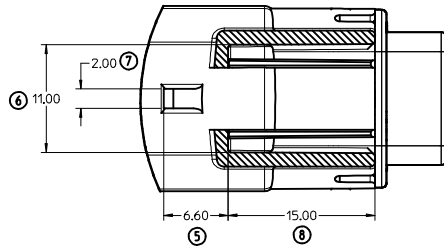
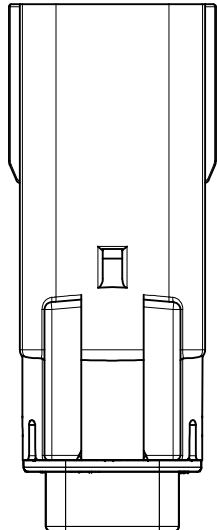
SEE REV. COLUMN REF NO. IIA2018-0293 DR. NING SINGO 2017/01/04 CHK. CHOWHAN IAMBOLDI2017/01/08 APP. WANS IAMBOLDI2017/01/20 R4	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .01</td><td>± .0004</td></tr><tr><td>3 PLACES</td><td>± .01</td><td>± .0004</td></tr><tr><td>2 PLACES</td><td>± .010</td><td>± .0004</td></tr><tr><td>1 PLACE</td><td>± .03</td><td>± .0015</td></tr><tr><td>0 PLACE</td><td>± .0</td><td>± .0</td></tr></table>		mm	INCH	4 PLACES	± .01	± .0004	3 PLACES	± .01	± .0004	2 PLACES	± .010	± .0004	1 PLACE	± .03	± .0015	0 PLACE	± .0	± .0	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN INTS METRIC	 THIRD ANGLE PROJECTION	SHEET NO. 2 OF 7
				mm	INCH																				
			4 PLACES	± .01	± .0004																				
			3 PLACES	± .01	± .0004																				
			2 PLACES	± .010	± .0004																				
			1 PLACE	± .03	± .0015																				
			0 PLACE	± .0	± .0																				
			DRAWN BY DATE DMARCIOUX 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL																					
			CHECKED BY DATE DGRIFFIT 06-12-02	molex																					
			APPROVED BY DATE FHOLUB 06-12-02	DOCUMENT NO. SD-33481-031																					
MATERIAL NO. SEE BOM	SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																									

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

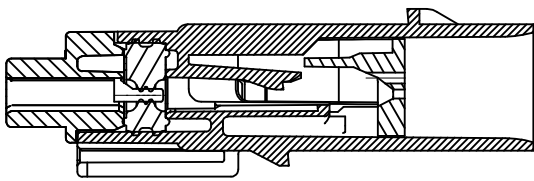
BLADE SEALED ASSEMBLY



REAR VIEW
(WIRE HARNESS SIDE)

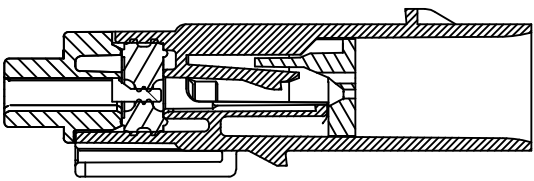


SECTION C-C



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

SECTION Z-Z



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

SECTION Y-Y

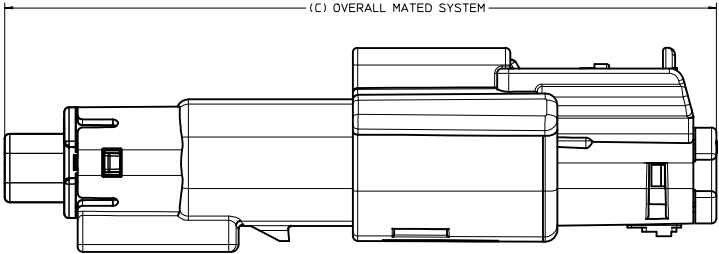
CHARTED DIMENSIONS	
CONFIGURATION	A
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	53.85
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	57.85

SEE REV. COLUMN EC NO: UAU2018-0293 DRAWN: SONGS 2017/10/14 CHKD: WJANS/ANBROU/2017/10/18 APPR: WJANS/ANBROU/2017/10/30	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	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex	MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031	SHEET NO. 3 OF 7

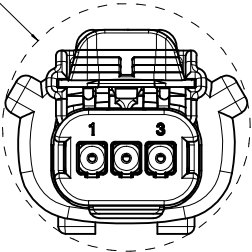
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

SYSTEM PACKAGING



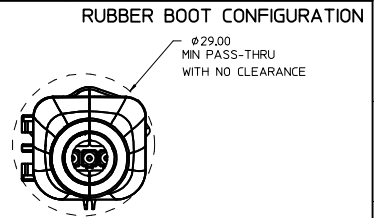
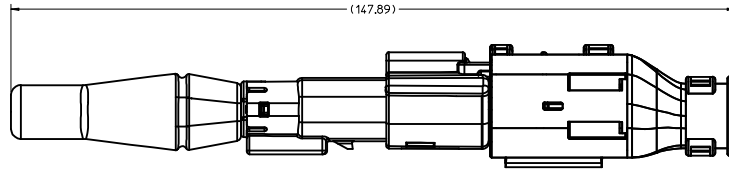
Ø25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE



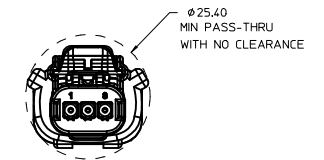
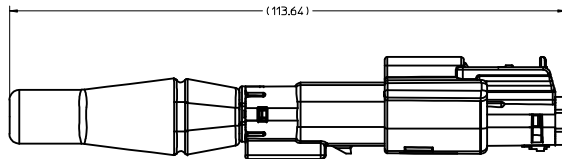
CHARTED DIMENSIONS	
CONFIGURATION	C
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	72.71
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	76.71

SEE REV. COLUMN EC NO: UAU2018-0293 DRAWN: SONG05 2017/10/14 CHKD: WJANSI, AMBROU 2017/10/18 APPR: WJANSI, AMBROU 2017/10/30	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	
					MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031
					SIZE D	SHEET NO. 4 OF 7

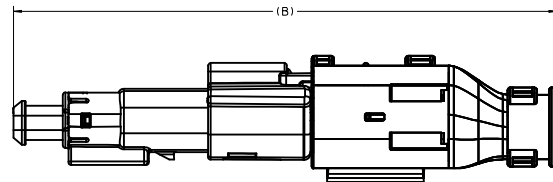
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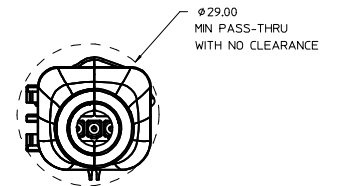
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL



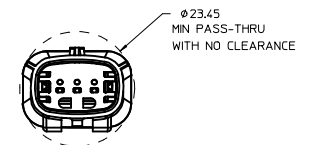
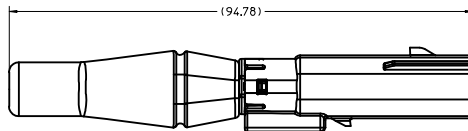
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



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	
IEC NO: UAU2018-0293		DRAWN BY: 2017/10/14		mm		MM ONLY		2:1	METRIC	DATE	
R4		CHYKOWANSI/AMROU/2017/10/18		4 PLACES ± --- ± ---		DRAWN BY: DMARCOUX		06-12-02		DATE	
		APPR: MWANSI/AMROU/2017/10/30		3 PLACES ± --- ± ---		CHECKED BY: DGRIFFIT		06-12-02		DATE	
				2 PLACES ± 0.10 ± ---		APPROVED BY: FHOLUB		06-12-02		DATE	
				1 PLACE ± 0.3 ± ---		MATERIAL NO.		SEE BOM		DOCUMENT NO.	
				0 PLACE ± ±		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.	
				ANGULAR ± 3 °						5 OF 7	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

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

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3		
33481-3301	BLACK	A					NOT AVAILABLE
33481-3302	LT. GRAY	B					NOT AVAILABLE
33481-3303	BROWN	C				NOT RECOMMENDED, SEE P/N 33481-3322	NOT AVAILABLE
33481-3304	GREEN	D				NOT RECOMMENDED, SEE P/N 33481-3323	NOT AVAILABLE
33481-3305	CUSTOM	TBD					NOT AVAILABLE
33481-3306	BLACK	A			X		NOT AVAILABLE
33481-3307	LT. GRAY	B			X		NOT AVAILABLE
33481-3308	BROWN	C			X		NOT AVAILABLE
33481-3309	GREEN	D			X		NOT AVAILABLE
33481-3310	CUSTOM	TBD			X		NOT AVAILABLE
33481-3311	BLACK	A	X		X		NOT AVAILABLE
33481-3312	LT. GRAY	B	X		X		NOT AVAILABLE
33481-3313	BROWN	C	X		X		NOT AVAILABLE
33481-3314	GREEN	D	X		X		NOT AVAILABLE
33481-3315	CUSTOM	TBD	X		X		NOT AVAILABLE
33481-3316	BLACK	A	X	X	X		NOT AVAILABLE
33481-3317	LT. GRAY	B	X	X	X		NOT AVAILABLE
33481-3318	BROWN	C	X	X	X	NOT RECOMMENDED, SEE P/N 33481-3324	NOT AVAILABLE
33481-3319	GREEN	D	X	X	X	NOT RECOMMENDED, SEE P/N 33481-3325	NOT AVAILABLE
33481-3320	CUSTOM	TBD	X	X	X		NOT AVAILABLE
33481-3321	BLACK	A		X			NOT AVAILABLE
33481-3322	DK. GRAY	C					NOT AVAILABLE
33481-3323	ST. GRAY	D					NOT AVAILABLE
33481-3324	DK. GRAY	C	X	X	X		NOT AVAILABLE
33481-3325	ST. GRAY	D	X	X	X		NOT AVAILABLE
33481-3330	YELLOW	A					NOT AVAILABLE
33481-3340	BLACK	A				RUBBER BOOT CONFIGURATION	P/N TBD
33481-3341	BLACK	A	X	X	X	RUBBER BOOT CONFIGURATION	P/N TBD

SEE REV. COLUMN
SEC NO: UAU2018-0293
DRAWN: SONGOS 2017/10/14
CHKD: MYANS LAMBROU 2017/10/18
APPR: MYANS LAMBROU 2017/10/30

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

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
MX150 1X3 BLADE
SEALED ASSEMBLY
MAT SEAL

molex

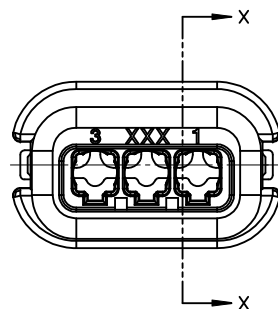
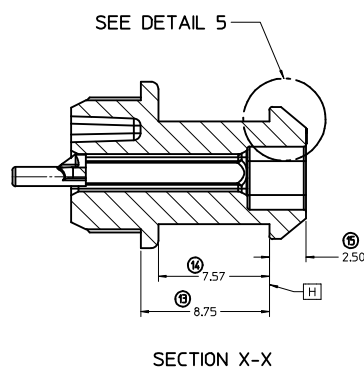
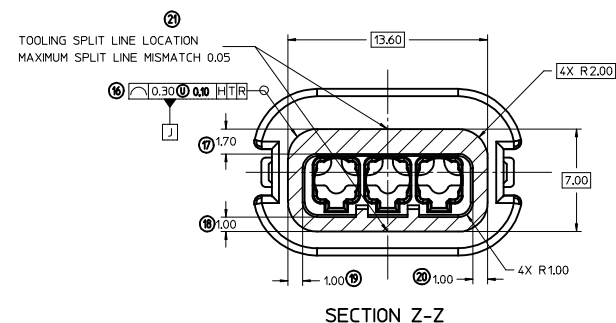
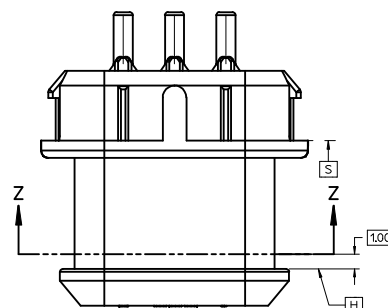
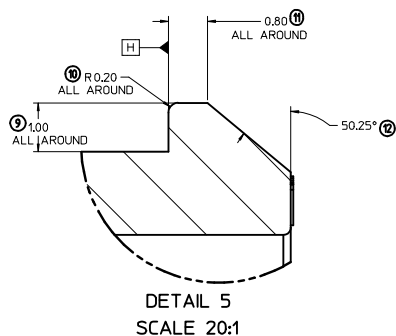
DOCUMENT NO.
SD-33481-031

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

RUBBER BOOT INTERFACE



REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	DOCUMENT NO.	SHEET NO.
			mm	inch		MM ONLY							
1	SEE REV. COLUMN	▽=0	4 PLACES ±	---	±	---	---	---	---	---	---	---	---
2	EC NO: UAU2018-0293	▽=0	3 PLACES ±	---	±	---	---	---	---	---	---	---	---
3	DRWN: SONGS 2017/10/14	▽=0	2 PLACES ±	0.10	±	---	---	---	---	---	---	---	---
4	CHKD: WJANS/AMBROU 2017/10/18	▽=0	1 PLACE ±	0.3	±	---	---	---	---	---	---	---	---
5	APPR: WJANS/AMBROU 2017/10/30	▽=0	0 PLACE ±	---	±	---	---	---	---	---	---	---	---
6													
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