



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

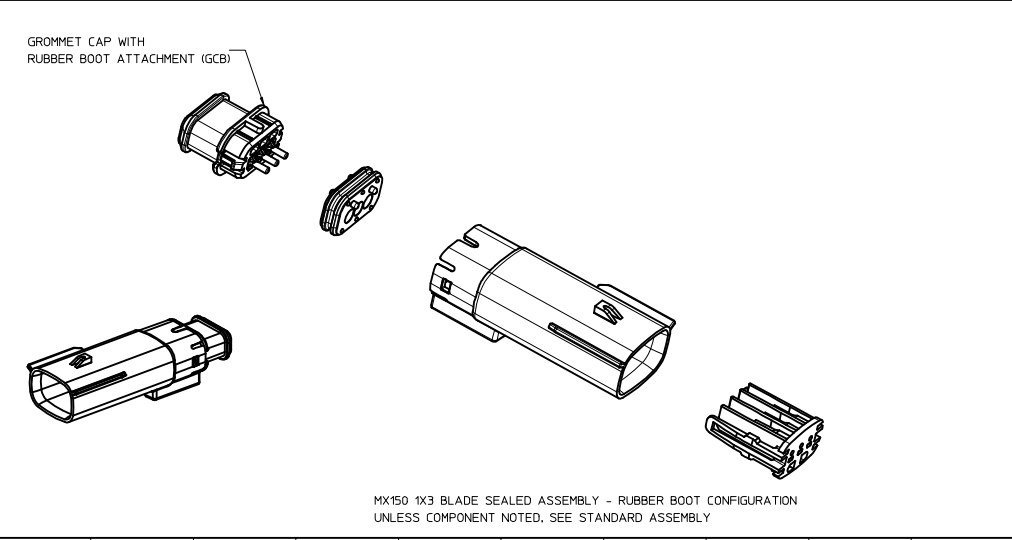
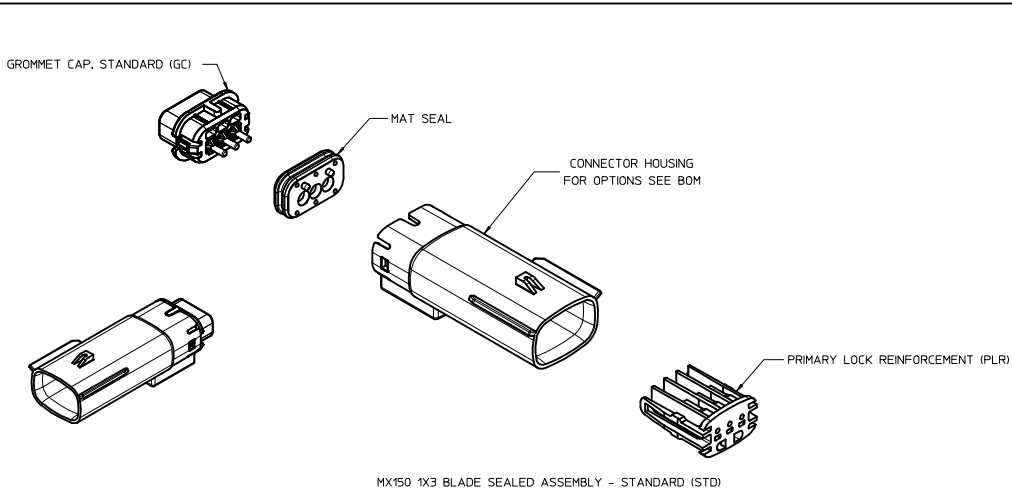
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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

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



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



NOTES: VALID UNLESS OTHERWISE SPECIFIED

- GENERAL:
 - 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 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-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.
 - PRODUCT SPECIFICATION SEE: PS-33471-000
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
 - PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635
 - PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATIONS PS-40000-5016
 - DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- DESIGN - MATERIALS:
 - CONNECTOR HOUSING, GROMMET CAP, PLR: SPS/NYLON BLEND 20% GLASS FILLED
 - MAT SEAL: INHERENTLY LUBRICATED SILICONE
- DESIGN - GEOMETRY:
 - 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.
 - GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
 - EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - 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.
 - VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
 - LASER MARKING: TBD

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

R3	DEVIATED THE DM 16
R2	RELEASED P/N 33481-0341
R1	RELEASED P/N 33481-0340, DELETED P/N 33481-0331
R	ADD RUBBER BOOT CONFIGURATION
Q	UPDATE P/N 33481-0326 TO 33481-0330
P	ADD NEW P/N 33481-0326
N	UPDATED GROMMET CAP
M3	UPDATED DIMENSIONS TO MATCH MODEL
M2	COLOR REPLACEMENT FOR KEY C AND D PER USCAR STANDARD
M1	UPDATED NOTES
M	REDRAWN
REV	DESCRIPTION
	MM ONLY
	SCALE 3:1
	METRIC
	THIRD ANGLE PROJECTION
	DRAWN BY DATE TITLE
	DMARCOUX 06-12-02
	CHECKED BY DATE
	DGRIFFIT 06-12-02
	APPROVED BY DATE
	FHOLUB 06-12-02
	MATERIAL NO. DOCUMENT NO.
	SEE BOM 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

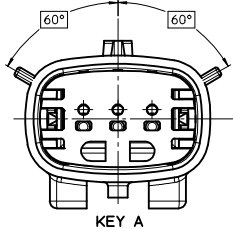
REV	DESCRIPTION	DATE	BY
R3	SEE REV. COLUMN	2014/08/13	DRWNS,SONGOS
		2014/08/13	CHYO,XI,LANG
		2014/09/05	APPR:IKOSHY

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

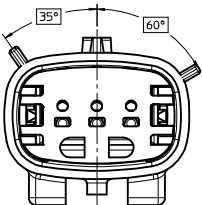
SCALE	THIRD ANGLE PROJECTION
3:1	THIRD ANGLE PROJECTION

DATE	TITLE
06-12-02	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL
06-12-02	
06-12-02	

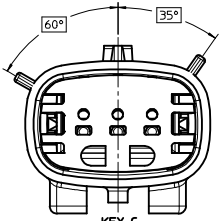
KEY CONFIGURATIONS



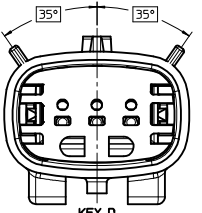
KEY A



KEY B



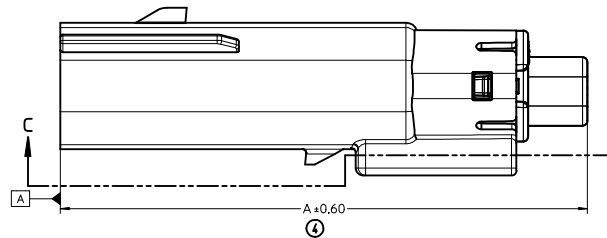
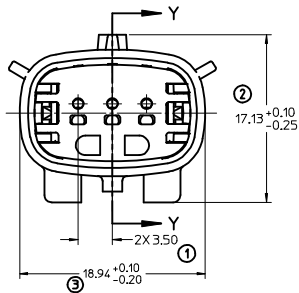
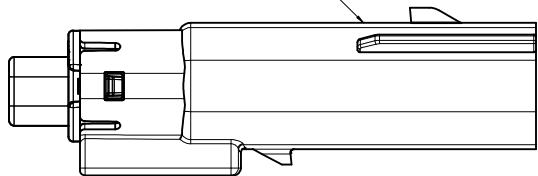
KEY C



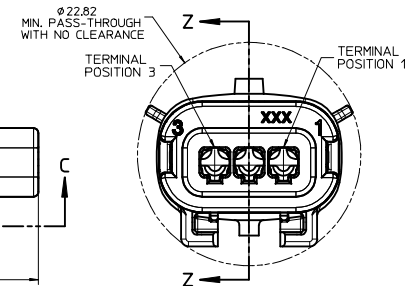
KEY D

SEE REV. COLUMN EC NO. UAU2015-0191 DRAWN: LONGOS 2014/08/13 CHKD: XIANG 2014/08/13 APPR: IKOSHY 2014/09/05	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± mm ± INCH	DRAWN BY DMARCOUX	DATE 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL		
		3 PLACES ± 0.10 ± 0.004	CHECKED BY DGRIFFIT	DATE 06-12-02	MATERIAL NO. SEE BOM		
		2 PLACES ± 0.3 ± 0.012	APPROVED BY FHOLUB	DATE 06-12-02	DOCUMENT NO. SD-33481-031	SHEET NO. 2 OF 7	
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			

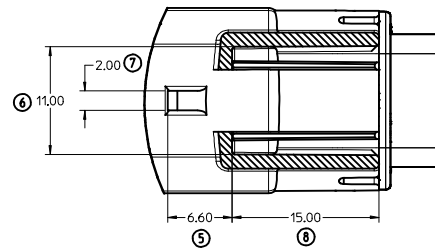
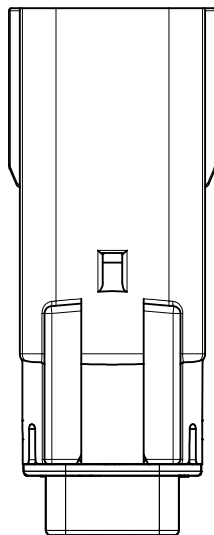
LASER MARKING THIS SURFACE
SEE NOTE 3g.



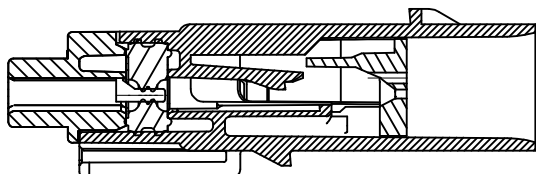
BLADE SEALED ASSEMBLY



REAR VIEW
(WIRE HARNESS SIDE)

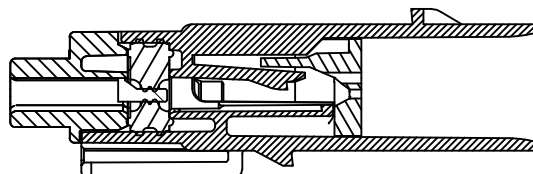


SECTION C-C



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

SECTION Z-Z



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

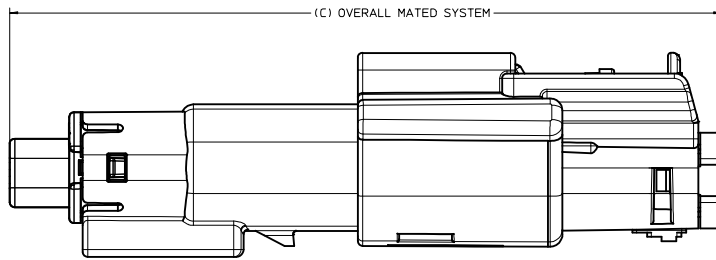
SECTION Y-Y

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

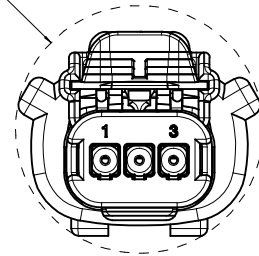
SEE REV. COLUMN ELEC. NO. UAU2015-0191 DRAWN BY: CHYKX818ANG CHECKED BY: CHYKX818ANG APPR: WJOSHY 2014/08/13 2014/08/13 2014/09/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ±	MM ONLY	4:1	METRIC	DRAWN BY: DMARCOUX DATE: 06-12-02 CHECKED BY: DGRIFFIT DATE: 06-12-02 APPROVED BY: FHOLUB DATE: 06-12-02	MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM SIZE D	DOCUMENT NO. SD-33481-031 SHEET NO. 3 OF 7				
	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

SYSTEM PACKAGING



∅25.30
MIN. PASS-THROUGH
WITH NO CLEARANCE

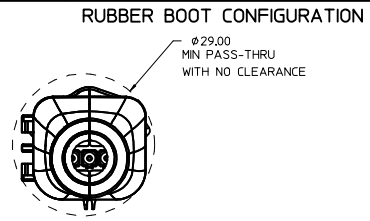
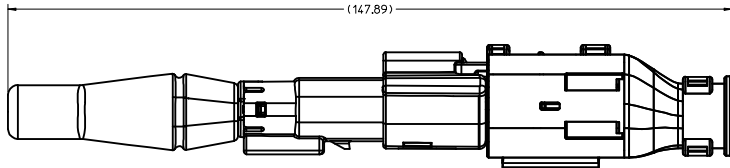


CHARTED DIMENSIONS	
CONFIGURATION	C
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	72.71
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	76.71

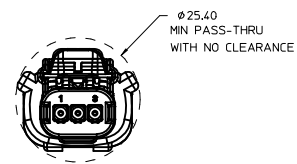
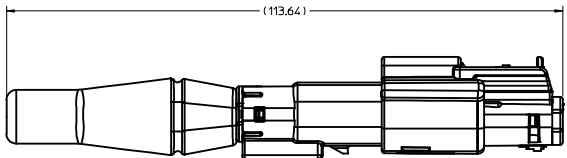
SEE REV. COLUMN EEC NO. UAU2015-0191 R3 DRAWN: LSONGOS 2014/08/13 CHECK: XBTANG 2014/08/13 APPR: WKOSHY 2014/09/05	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ±	mm INCH	DRAWN BY DMARCOUX 06-12-02 CHECKED BY DGRIFFIT 06-12-02 APPROVED BY FHOLUB 06-12-02	DATE	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL		
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031	SHEET NO. 4 OF 7		
		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

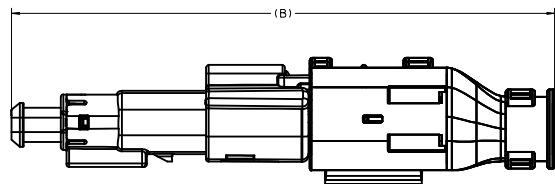
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



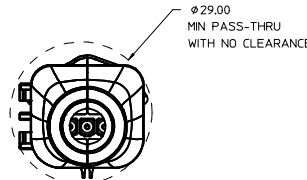
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL



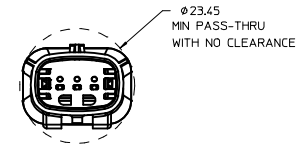
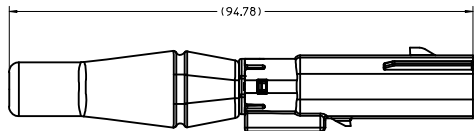
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT



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

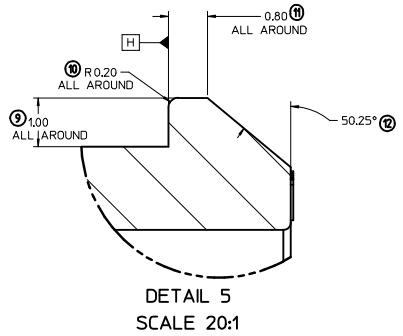
SEE REV. COLUMN ELEC. NO. UAU2015-0191 DRAWN BY: CHYKONGSANG CHECKED BY: CHYKONGSANG APPR: WJOSHY	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± mm ± INCH 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.3 ± --- 0 PLACE ± ±	DRAWN BY: DMARCOUX DATE: 06-12-02 CHECKED BY: DGRIFFIT DATE: 06-12-02 APPROVED BY: FHOLUB DATE: 06-12-02	TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL			
		ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE BOM	DOCUMENT NO. SD-33481-031		
				SHEET NO. 5 OF 7			

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

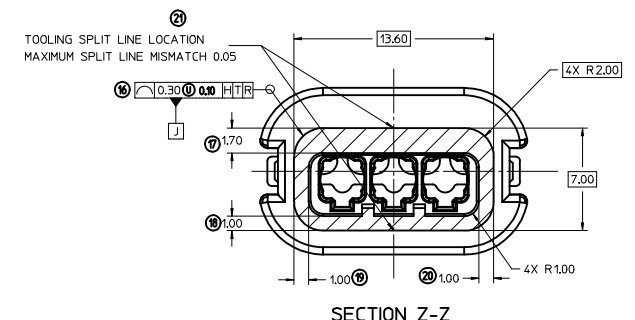
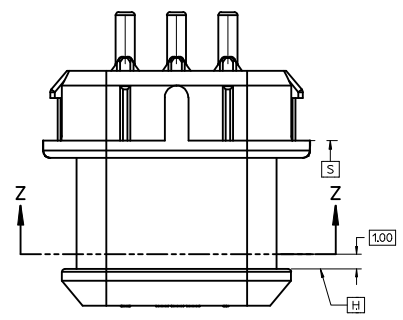
ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (X = PLUGGED)			COMMENTS	OPTIONAL ATTACHMENT SOLD SEPARATELY SMP RUBBER BOOT
			1	2	3		
33481-0301	BLACK	A					NOT AVAILABLE
33481-0302	LT. GRAY	B					NOT AVAILABLE
33481-0303	BROWN	C				NOT RECOMMENDED, SEE P/N 33481-0322	NOT AVAILABLE
33481-0304	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: SONGS 2014/08/13 CHECKED: BTANG 2014/08/13 APPR: IKOSHI 2014/09/05	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH		DIMENSION STYLE MM ONLY	SCALE DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ±.004 ±.004 3 PLACES ±.005 ±.005 2 PLACES ±0.10 ±.005 1 PLACE ±0.3 ±.005 0 PLACE ± ±	DRAWN BY: DMARCOUX 06-12-02 CHECKED BY: DGRIFFIT 06-12-02 APPROVED BY: FHOLUB 06-12-02	MATERIAL NO. SEE BOM		DOCUMENT NO. SD-33481-031
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

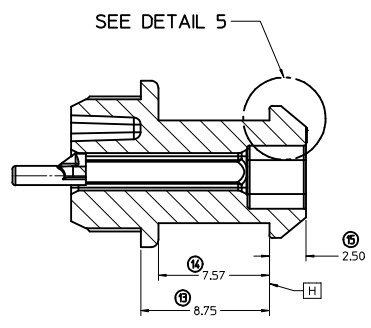
RUBBER BOOT INTERFACE



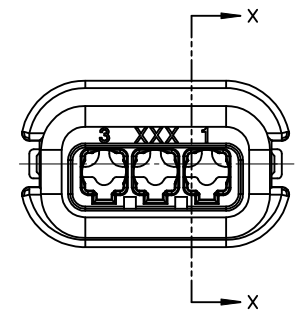
DETAIL 5
SCALE 20:1



SECTION Z-Z



SECTION X-X



SEE REV. COLUMN ELEC NO. UAU2015-0191 DRAWN: SONGS 2014/08/13 CHKD: XBTANG 2014/08/13 APPR: WKOSHY 2014/09/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	4 PLACES ± mm 3 PLACES ± 0.10 2 PLACES ± 0.3 1 PLACE ± 0 PLACE ±	MM ONLY INCH	DRAWN BY: DMARCOUX CHECKED BY: DGRIFFIT APPROVED BY: FHOLUB	DATE: 06-12-02 DATE: 06-12-02 DATE: 06-12-02	METRIC	
	ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE BOM SIZE D	TITLE: MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL DOCUMENT NO. SD-33481-031	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	SHEET NO. 7 OF 7						