TABLE OF CONTENTS	
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1	NOTES AND BOM
2	CONFIGURATIONS
3-4	KEY CONFIGURATIONS
5	BLADE SEALED ASSEMBLY
6	SYSTEM PACKAGING
7	BACKSHELL NOTES
8	BACKSHELL
9	BACKSHELL CONFIGURATIONS

MATING CONNECTOR DRAWINGS	
DESCRIPTION	MOLEX INLINE
1X2	SD-33471-0001
1X6	SD-33471-0001

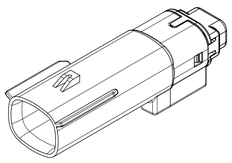
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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 AS SPECIFIED IN THE MATING CONNECTOR DRAWINGS CHART.
*DENOTES DRAWINGS THAT CAN BE ACCESSED AT http://ewcap.uscarteams.org/
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 5).

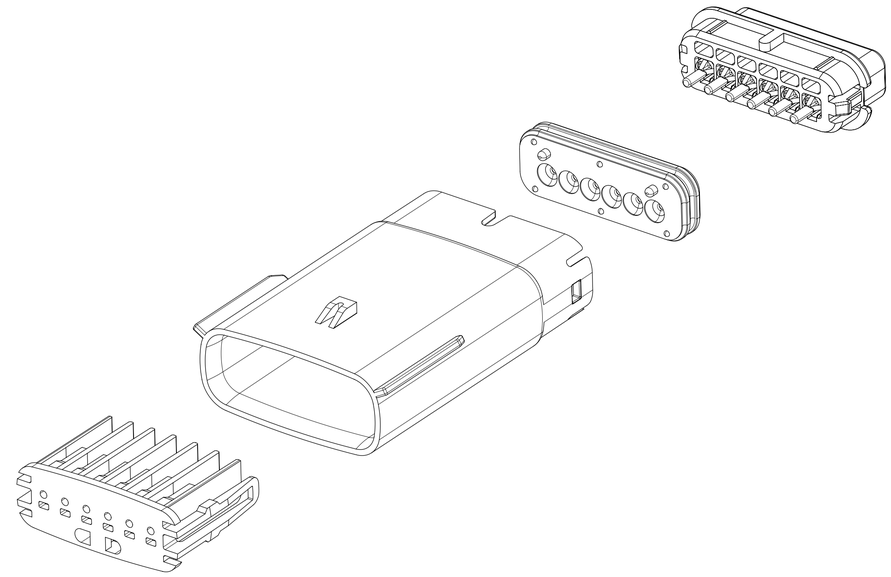
b. PRODUCT SPECIFICATION SEE:
-STANDARD CONFIGURATION: PS-33471-000
-UL V0 CONFIGURATION: PS-160105-0001
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS.
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-635 (PK-33471-000 FOR 1X5)
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

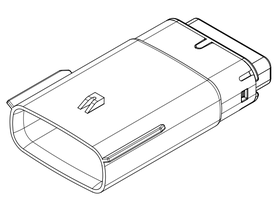
2. DESIGN - MATERIALS:
a. FOR BILL OF MATERIALS SEE:
-STANDARD CONFIGURATION: SD-33481-0002
-UL V0 CONFIGURATION: SD-160106-0002

3. DESIGN - GEOMETRY:
a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
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:
1. PART NUMBER
2. DAY OF THE YEAR
3. SHIFT
4. YEAR
FOR ADDITIONAL INFORMATION SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.



1X2





1X6

INSPECTION NUMBER LOG
LAST NUMBER: 9
ADDED:
REMOVED:

REV	REV DESCRIPTION
A1	NX REMASTERING , CHANGE PS DRAWING NUMBER FROM PS-160105-0001 TO PS-160074-0001 IN NOTES 1.b
A	MINOR GEOMETRY CHANGE FOR UL V0
2	UPDATED VIEWSETS
1	INITIAL RELEASE

SYMBOLS	
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= 0	
= 0	
= 0	
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= 0	
= 0	
= 0	
= 0	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM ONLY	1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 602373
DRWN: DSHETTY01 2018/05/25
CHK'D: MVANSLAMBROU 2018/10/04
APPR: MVANSLAMBROU 2018/10/04

INITIAL REVISION:
DRWN: APROFFITT 2015/07/21
APPR: KDEKOSKI 2016/06/14

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 33481

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

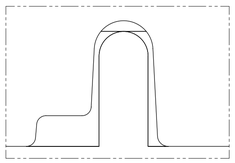
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE NOTE 2a.	GENERAL MARKET	1 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

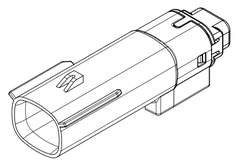
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TEMPLATE: 0.0.0
DATE: 2018/01/16

SHEET DESCRIPTION

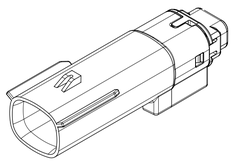
CONFIGURATIONS



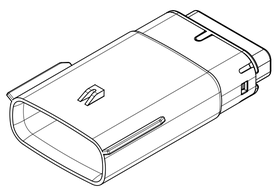
UL V0 UNIQUE FEATURE
Partial1
SCALE 10:1



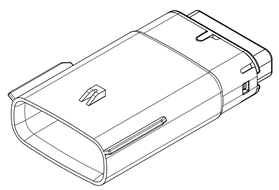
1x2 - STD



1X2 - UL V0*



1x6 - STD



1x6 - UL V0*

* MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION.
SEE NOTES 1 & 2 FOR MORE INFORMATION

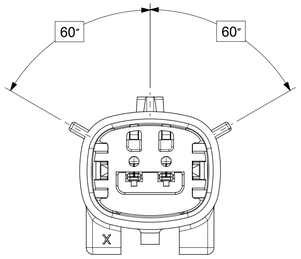
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

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A = 0	DIMENSION UNITS: MM ONLY	SCALE: 1.5:1	CURRENT REV DESC:		molex	
B = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				MX150 BLADE SINGLE ROW SEALED ASSY MAT SEAL	
C = 0	ANGULAR TOL ± 1.0 °		EC NO: 602373		PRODUCT CUSTOMER DRAWING	
D = 0	4 PLACES ±		DRWN: DSHETTY01	2018/05/25	DOCUMENT NUMBER: SD-33481-0001	DOC TYPE: PSD / DOC PART: 001 / REVISION: A1
E = 0	3 PLACES ±		CHK'D: MVANSLAMBROU	2018/10/04		
F = 0	2 PLACES ± 0.1		APPR: MVANSLAMBROU	2018/10/04		
G = 0	1 PLACE ± 0.2		INITIAL REVISION:			
	0 PLACES ±		DRWN: APROFFITT	2015/07/21		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: KDEKOSKI	2016/06/14		
	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 33481	MATERIAL NUMBER: SEE NOTE 2a.	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 2 OF 9

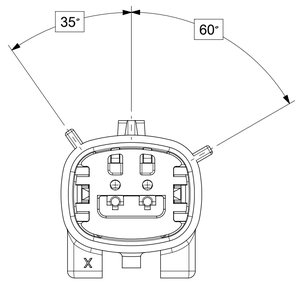
SHEET DESCRIPTION

KEY CONFIGURATIONS

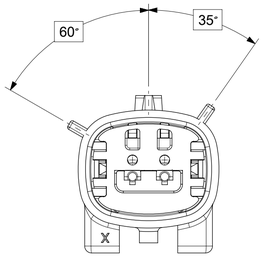
1X2



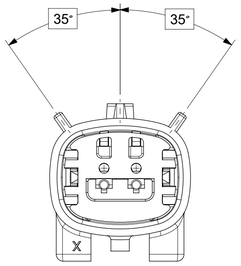
KEY A



KEY B



KEY C



KEY D

SYMBOLS	
A =	0
C =	0
F =	0
S =	0
=	0
C =	0
=	0
=	0
S =	0

DIMENSION UNITS	SCALE
MM ONLY	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC:

EC NO: 602373

DRWN:	DSHETTY01	2018/05/25
CHK'D:	MVANSLAMBROU	2018/10/04
APPR:	MVANSLAMBROU	2018/10/04

INITIAL REVISION:

DRWN:	APROFFITT	2015/07/21
APPR:	KDEKOSKI	2016/06/14

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 33481

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE NOTE 2a.	GENERAL MARKET	3 OF 9

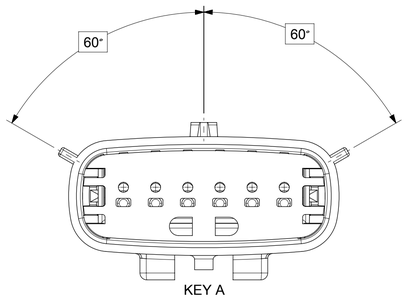
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

COPYRIGHT, molex-llc-prod-A1
REVISION: H
DATE: 2018/01/18

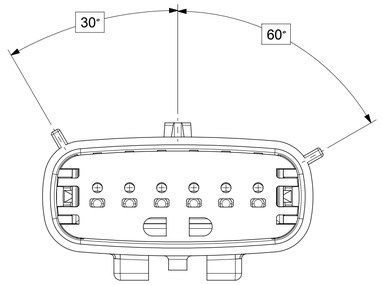
SHEET DESCRIPTION

KEY CONFIGURATIONS CONT.

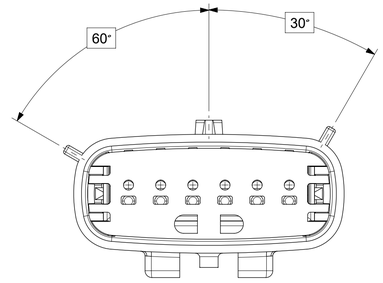
1X6



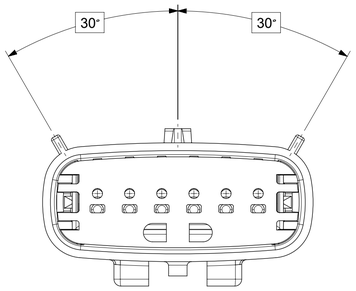
KEY A



KEY B



KEY C



KEY D

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D = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
= 0	

DIMENSION UNITS	SCALE
MM ONLY	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC:

EC NO: 602373

DRWN:	DSHETTY01	2018/05/25
CHK'D:	MVANSLAMBROU	2018/10/04
APPR:	MVANSLAMBROU	2018/10/04

INITIAL REVISION:

DRWN:	APROFFITT	2015/07/21
APPR:	KDEKOSKI	2016/06/14

THIRD ANGLE PROJECTION

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
A1-SIZE	33481	SEE NOTE 2a.	GENERAL MARKET	4 OF 9

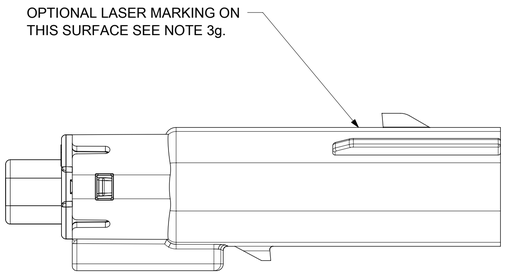
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

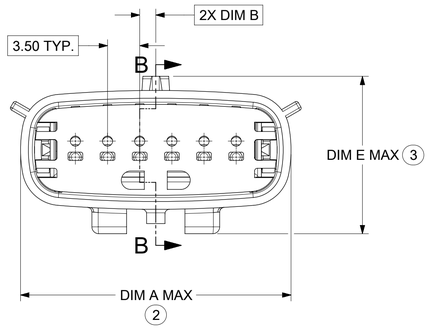
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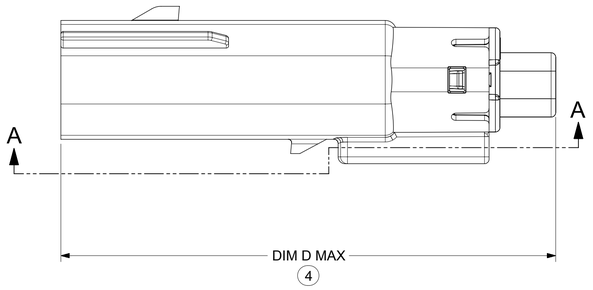
BLADE SEALED ASSEMBLY

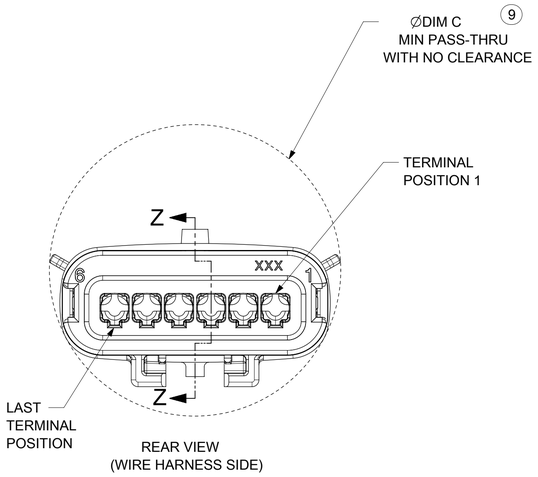
CHARTED DIMENSIONS

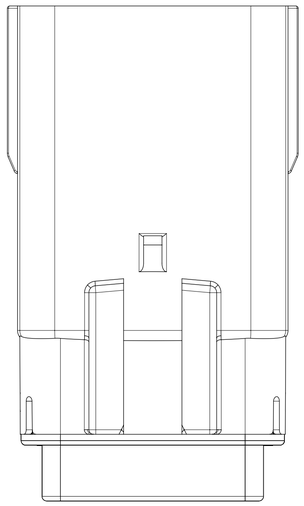
DESCRIPTION	DIMENSIONS				
	A	B	C	D	E
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1X6	29.69	1.75	31.71	54.45	17.23

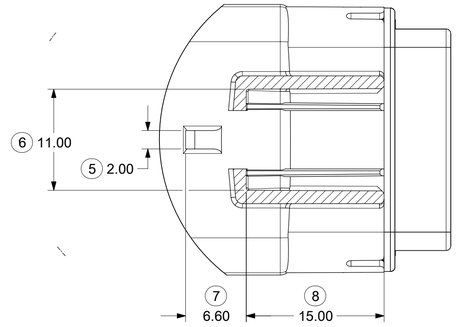




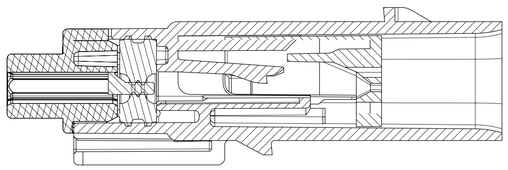




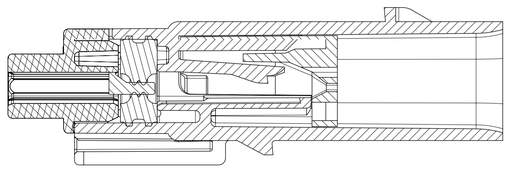




PARTIAL A-A
SCALE 3:1



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



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

SECTION Z-Z

SYMBOLS	
A = 0	
B = 0	
C = 0	
D = 0	
E = 0	
F = 0	
G = 0	

DIMENSION UNITS	MM ONLY	SCALE 3:1
GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC:

EC NO: 602373
DRWN: DSHETTY01 2018/05/25
CHK'D: MVANSLAMBROU 2018/10/04
APPR: MVANSLAMBROU 2018/10/04

INITIAL REVISION:
DRWN: APROFFITT 2015/07/21
APPR: KDEKOSKI 2016/06/14

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 33481

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

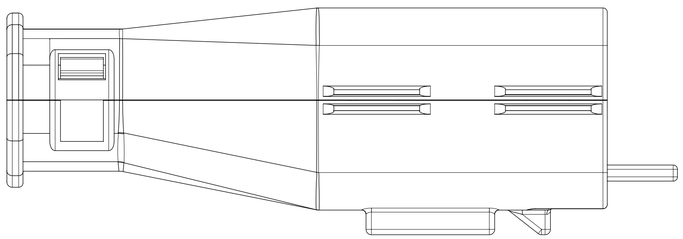
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

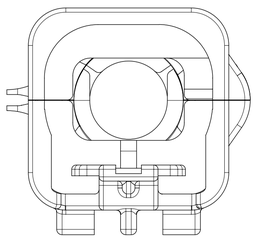
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE NOTE 2a.	GENERAL MARKET	5 OF 9

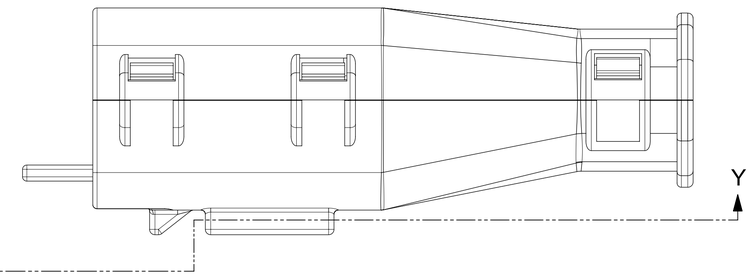
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

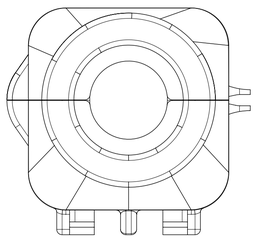
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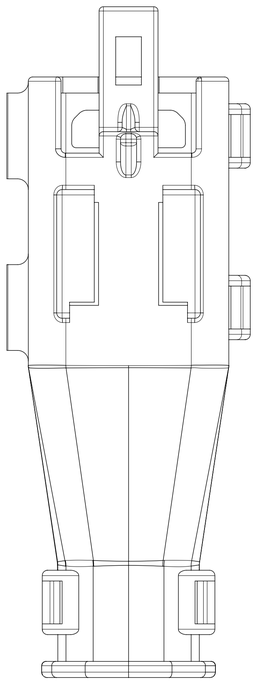
BACKSHELL

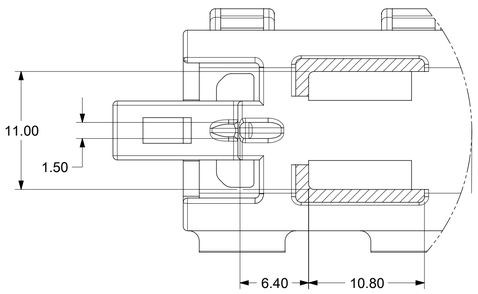












PARTIAL Y-Y
SCALE 3.5:1

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E =	0
S =	0
=	0
C =	0
=	0
=	0
=	0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM ONLY	3.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 602373
DRWN: DSHETTY01 2018/05/25
CHK'D: MVANSLAMBROU 2018/10/04
APPR: MVANSLAMBROU 2018/10/04

INITIAL REVISION:
DRWN: APROFFITT 2015/07/21
APPR: KDEKOSKI 2016/06/14

THIRD ANGLE PROJECTION | DRAWING: A1-SIZE | SERIES: 33481

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE NOTE 2a.	GENERAL MARKET	8 OF 9

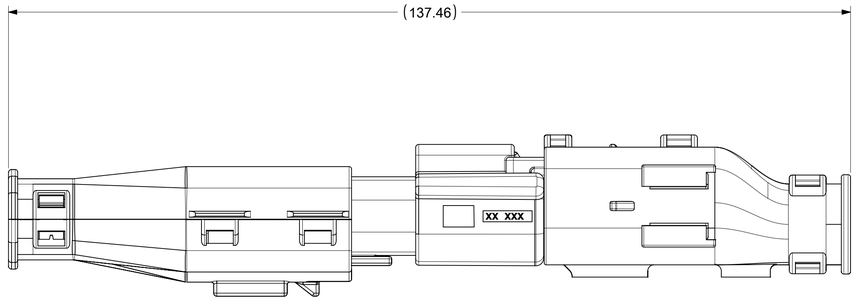
DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

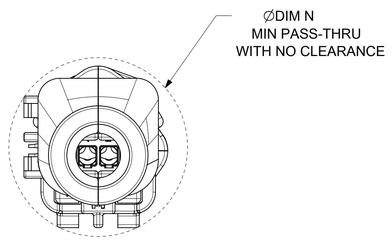
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DEFAULTS_R
DATE: 2018/01/16

SHEET DESCRIPTION

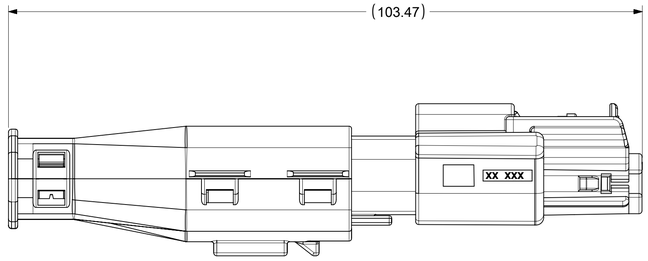
BACKSHELL CONFIGURATIONS

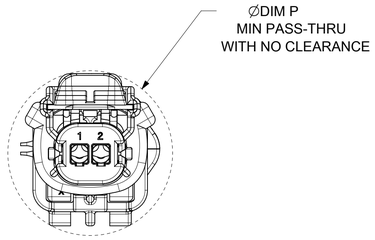
CHARTED DIMENSIONS							
CKT	BLADE CONFIGURATION	RECEPTACLE CONFIGURATION	DIMENSIONS				
			M	N	P	R	S
1X2	STANDARD	STANDARD	107.84	29.50	27.00	26.25	25.00



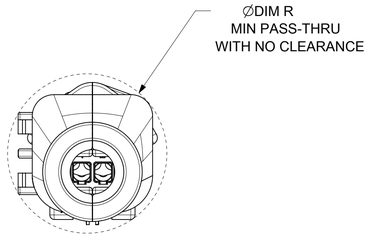


OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL

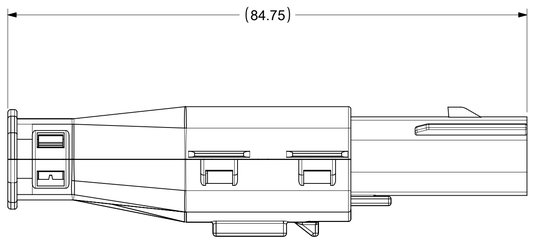


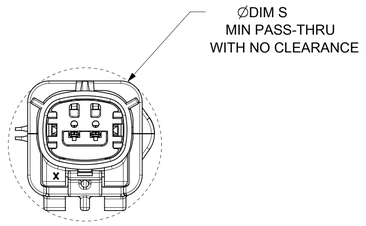


OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL





BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

SYMBOLS	
A = 0	
C = 0	
D = 0	
S = 0	
= 0	
B = 0	
= 0	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM ONLY	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.2
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 602373
DRWN: DSHETTY01 2018/05/25
CHK'D: MVANSLAMBROU 2018/10/04
APPR: MVANSLAMBROU 2018/10/04

INITIAL REVISION:
DRWN: APROFFITT 2015/07/21
APPR: KDEKOSKI 2016/06/14

molex

MX150 BLADE
SINGLE ROW SEALED ASSY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33481-0001	PSD	001	A1

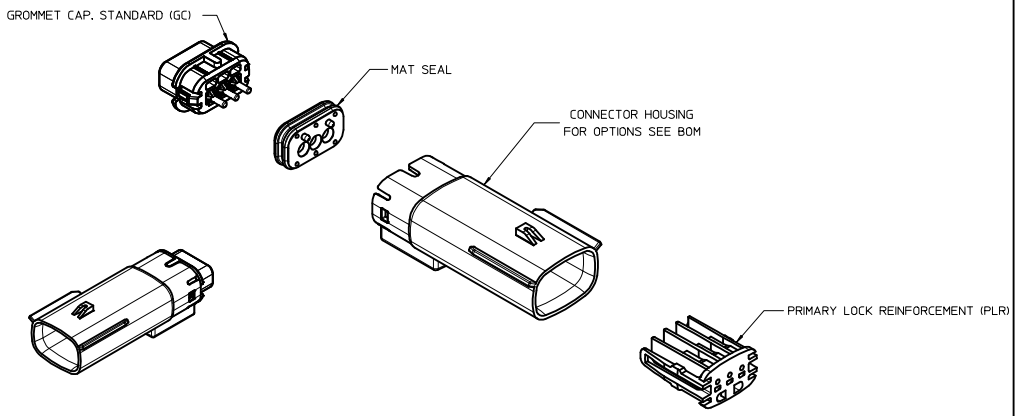
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A1-SIZE	33481	SEE NOTE 2a.	GENERAL MARKET	9 OF 9

DOCUMENT STATUS	P1	RELEASE DATE	2018/10/04 15:02:02

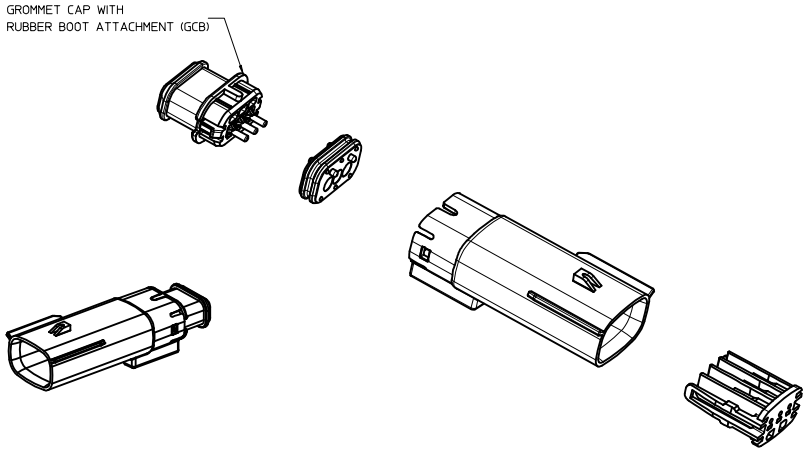
PDMWT, master-tb.prot.A1
DATE: 2018/10/04
DATE: 2018/10/04

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



MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD (STD)



MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION
UNLESS COMPONENT NOTED, SEE STANDARD ASSEMBLY

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: ES-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:

REV	DESCRIPTION
R4	ADD P/NS 33481-3301 TO 33481-3341
R3	DEVIATED THE DIM 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

SEE REV. COLUMN
EC NO: UAU2018-0293 2017/10/14
DRWN:LSONG05 2017/10/18
CHKD:MYANS,LAMBROU 2017/10/18
APPR:MYANS,LAMBROU 2017/10/30
DESCRIPTION

REV: R4

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
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DMARCOUX DATE: 06-12-02
CHECKED BY: DGRIFFIT DATE: 06-12-02
APPROVED BY: FHOLUB DATE: 06-12-02

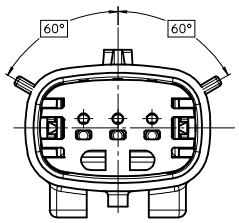
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molex

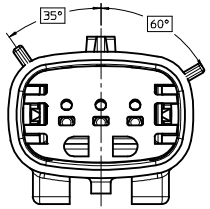
MATERIAL NO.: SEE BOM
DOCUMENT NO.: SD-33481-031
SHEET NO.: 1 OF 7
SIZE: D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

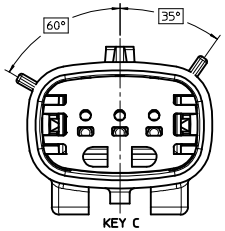
KEY CONFIGURATIONS



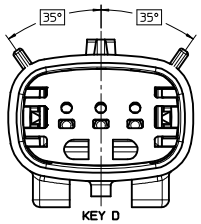
KEY A



KEY B



KEY C



KEY D

SEE REV. COLUMN
EC NO: UAU2018-0293 2017/10/14
DRWN:L.SONG05 2017/10/18
CHKD:MYANS;LAMBROU2017/10/18
APPR:MYANS;LAMBROU2017/10/30
DESCRIPTION
REV
R4

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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DMARCOUX DATE: 06-12-02
CHECKED BY: DGRIFFIT DATE: 06-12-02
APPROVED BY: FHOLUB DATE: 06-12-02
MATERIAL NO.: SEE BOM

TITLE: MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL

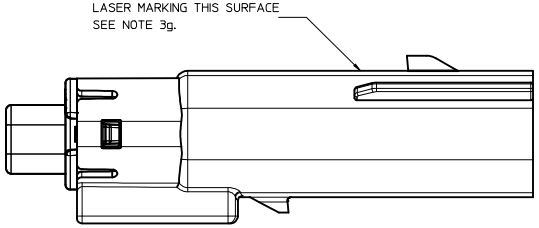
molex

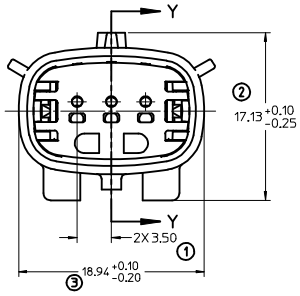
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SHEET NO.: 2 OF 7

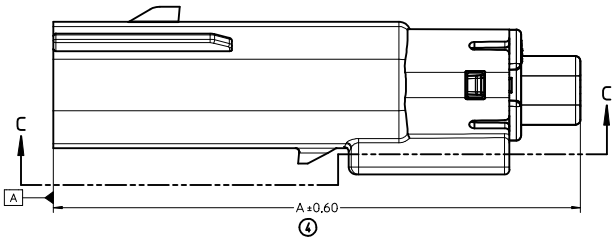
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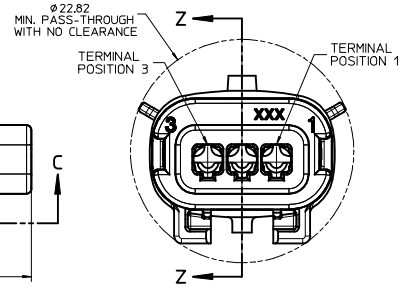
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

BLADE SEALED ASSEMBLY

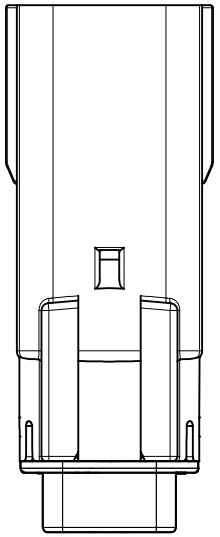


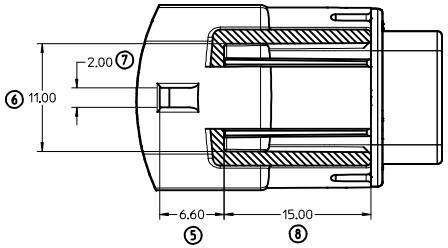




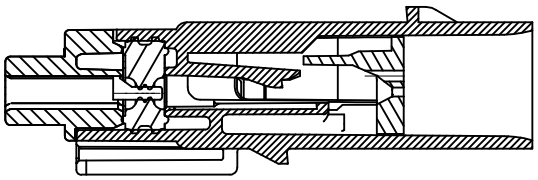


REAR VIEW
(WIRE HARNESS SIDE)



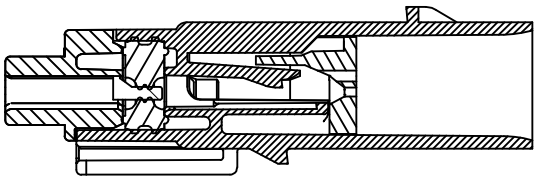


SECTION C-C



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 2017/10/14
DRWN:L.SONG05 2017/10/18
CH'KD:M.VANSLAMBROUCK2017/10/18
APPR:M.VANSLAMBROUCK2017/10/30
DESCRIPTION
REV
R4

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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	DMARCOUX	DATE 06-12-02
CHECKED BY	DGRIFFIT	DATE 06-12-02
APPROVED BY	FHOLUB	DATE 06-12-02
MATERIAL NO.	SEE BOM	

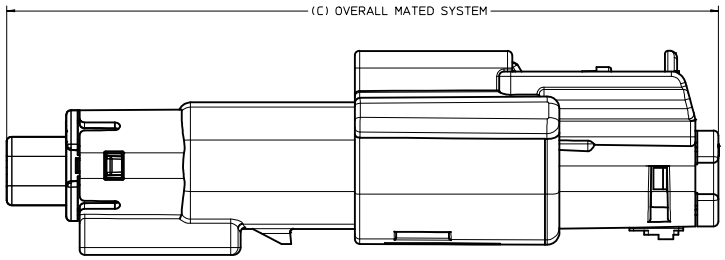
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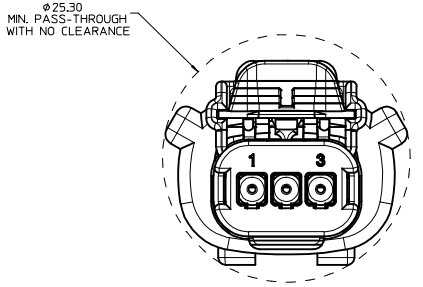
molex

DOCUMENT NO.: SD-33481-031
SHEET NO.: 3 OF 7
SIZE: D

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SYSTEM PACKAGING





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 2017/10/14
DRWN:L.SONG05 2017/10/18
CHKD:MVANSLAMBROU2017/10/18
APPR:MVANSLAMBROU2017/10/30
DESCRIPTION
REV
R4

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

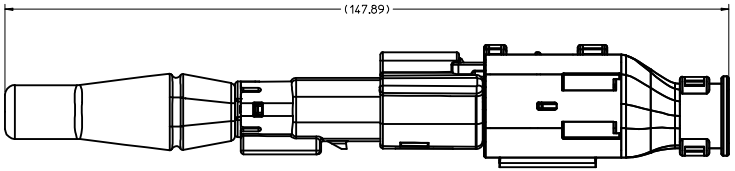
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THIRD ANGLE PROJECTION

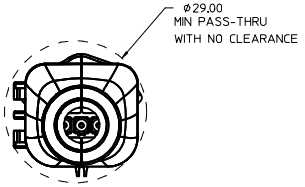
DRAWN BY	DMARCOUX	DATE 06-12-02
CHECKED BY	DGRIFFIT	DATE 06-12-02
APPROVED BY	FHOLUB	DATE 06-12-02
MATERIAL NO.	SEE BOM	

TITLE: MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL
molex
DOCUMENT NO.: SD-33481-031
SHEET NO.: 4 OF 7
SIZE: D

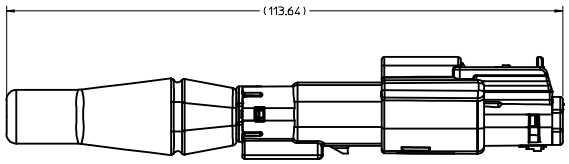
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

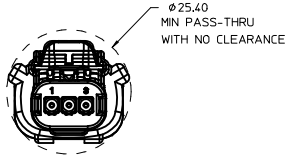
RUBBER BOOT CONFIGURATION



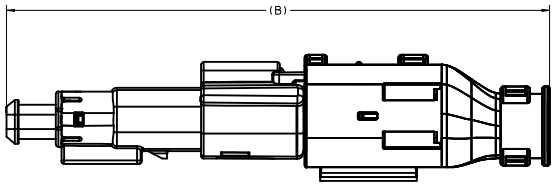


OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT AND RECEPTACLE BACKSHELL

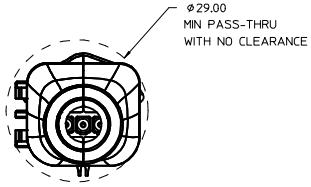




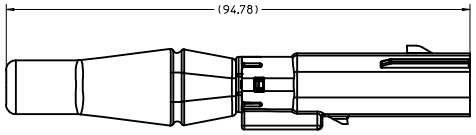
OVERALL MATED SYSTEM WITH BLADE RUBBER BOOT

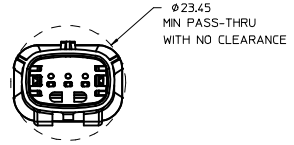


CHARTED DIMENSIONS	
CONFIGURATION	B
MX150 1X3 BLADE SEALED ASSEMBLY - STANDARD	106.96
MX150 1X3 BLADE SEALED ASSEMBLY - RUBBER BOOT CONFIGURATION	110.96



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL





BLADE SEALED ASSEMBLY WITH BLADE RUBBER BOOT

SEE REV. COLUMN
EC NO: UAU2018-0293 2017/10/14
DRWN:L.SONG05 2017/10/18
CHKD:MWANSLAMBROU2017/10/18
APPR:MWANSLAMBROU2017/10/30
DESCRIPTION
REV
R4

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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	DMARCOUX	06-12-02
CHECKED BY	DGRIFFIT	06-12-02
APPROVED BY	FHOLUB	06-12-02

TITLE: MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL

molex

MATERIAL NO.: SEE BOM
DOCUMENT NO.: SD-33481-031
SHEET NO.: 5 OF 7
SIZE: D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

(R4)

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
EC NO: UAU2018-0293 2017/10/14
DRWN:LSONG05 2017/10/18
CHKD:MVANSLAMBROU2017/10/30
APPR:MVANSLAMBROU2017/10/30
DESCRIPTION
REV
R4

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
SCALE
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DMARCOUX 06-12-02
CHECKED BY: DGRIFFIT 06-12-02
APPROVED BY: FHOLUB 06-12-02

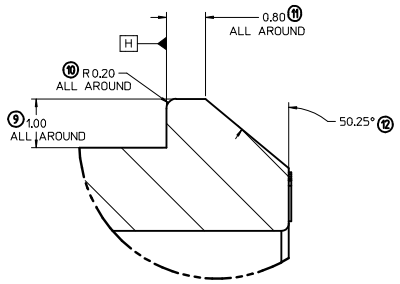
TITLE: MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL

molex

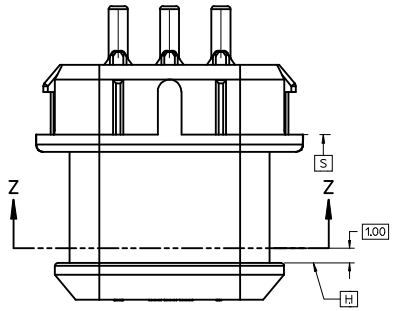
MATERIAL NO.: SEE BOM
DOCUMENT NO.: SD-33481-031
SHEET NO.: 6 OF 7
SIZE: D

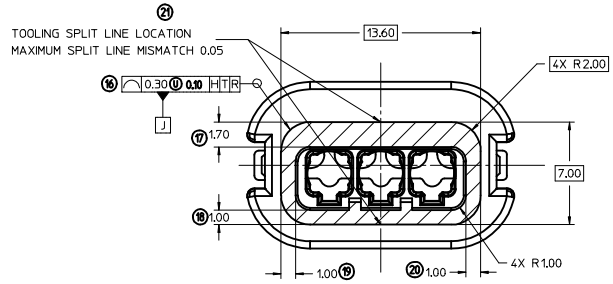
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RUBBER BOOT INTERFACE

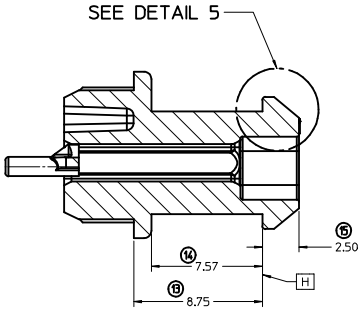


DETAIL 5
SCALE 20:1

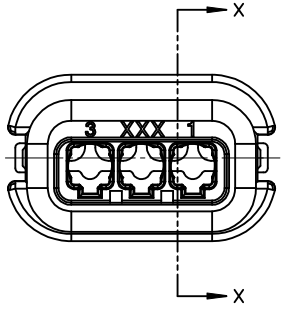




SECTION Z-Z



SECTION X-X



SEE REV. COLUMN EC NO: UAU2018-0293 2017/10/14 DRWN:L.SONG05 2017/10/18 CHKD:MVANSLAMBROU2017/10/18 APPR:MVANSLAMBROU2017/10/30	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 DMARCOUX 06-12-02 CHECKED BY DGRIFFIT 06-12-02 APPROVED BY FHOLUB 06-12-02 MATERIAL NO. SEE BOM	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MX150 1X3 BLADE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33481-031 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
REV R4	DESCRIPTION					