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SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3-4	KEY CONFIGURATIONS
5	RECEPTACLE CONNECTOR ASSEMBLY
6	BACKSHELL NOTES
7	BACKSHELL
8	BACKSHELL CONFIGURATIONS

NOTES: VALID UNLESS OTHERWISE SPECIFIED

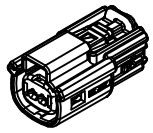
1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-33472-100
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH DEVICE OR CONNECTOR AS SPECIFIED IN THE MATING INTERFACE/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: SEE PACKAGING CHART
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-301
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-33471-0002
-UL V0 CONFIGURATION SD-160105-0002

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.

PACKAGING	
DESCRIPTION	DRAWING NO.
1X2	PK-31300-635
1X6	PK-31300-903

MATING INTERFACE/CONNECTOR DRAWINGS		
DESCRIPTION	INTERFACE DEFINITION	MOLEX INLINE
1X2	*150-S-002-1-Z05	SD-33481-0001
1X6	*150-S-006-1-Z03	SD-33481-0001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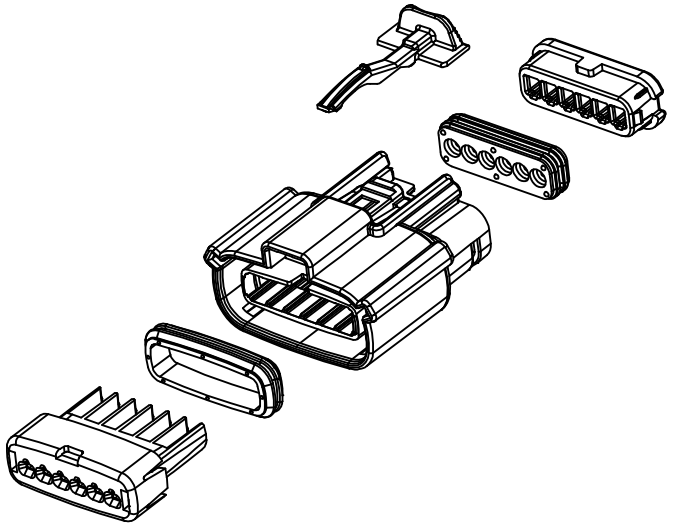
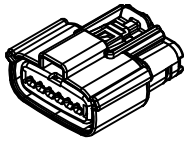



1x6

REV	REV DESCRIPTION
A	MINOR GEOMETRY CHANGE FOR UL V0
2	UPDATE VIEWSETS
1	INITIAL RELEASE

INSPECTION NUMBER LOG
LAST NUMBER: 11
ADDED: 11
REMOVED:

ENTER DESCRIPTION
EC NO: UAU2016-1641 2016/05/10
DRWN:XBTANG
CHKD:
APPR:KDEKOSKI 2016/06/14
DESCRIPTION
REV
A

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: APROFFITT DATE: 2015/11/04
CHECKED BY: DATE:
APPROVED BY: KDEKOSKI DATE: 2016/06/14
MATERIAL NO.: SEE NOTE 2a.
DOCUMENT NO.: SD-33471-0001
SHEET NO.: 1 OF 8
SIZE: A1

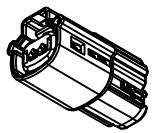
TITLE: MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL

molex

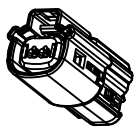
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET DESCRIPTION

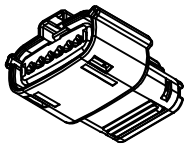
CONFIGURATIONS



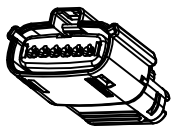
1x2 - STD



1x2 - UL V0*



1x6 - STD



1x6 - UL V0*

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

ENTER DESCRIPTION
EC NO: UAU2016-1641 2016/05/10
DRWN:XBTANG
CHKD:
APPR:KDEKOSKI 2016/06/14
DESCRIPTION
REV
A

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: APROFFITT DATE: 2015/11/04
CHECKED BY: DATE:
APPROVED BY: KDEKOSKI DATE: 2016/06/14
MATERIAL NO.: SEE NOTE 2a.

TITLE
MX150 RCPT
SINGLE ROW SEALED ASSY
MAT SEAL

molex

DOCUMENT NO.: SD-33471-0001
SHEET NO.: 2 OF 8

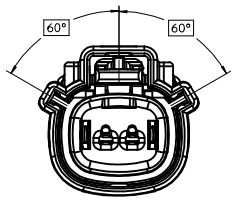
SIZE: A1

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

SHEET DESCRIPTION

KEY CONFIGURATIONS

1X2



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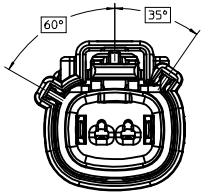

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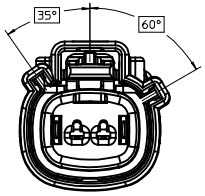
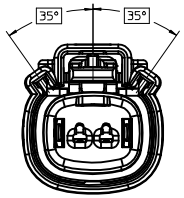


KEY C



KEY D

ENTER DESCRIPTION
EC NO: UAU2016-1641 2016/05/10
DRWN:XBTANG
CHKD:
APPR:KDEKOSKI 2016/06/14
DESCRIPTION
REV
A

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: APROFFITT DATE: 2015/11/04
CHECKED BY: DATE:
APPROVED BY: KDEKOSKI DATE: 2016/06/14
MATERIAL NO.: SEE NOTE 2a.

TITLE
MX150 RCPT
SINGLE ROW SEALED ASSY
MAT SEAL

molex

DOCUMENT NO.: SD-33471-0001
SHEET NO.: 3 OF 8

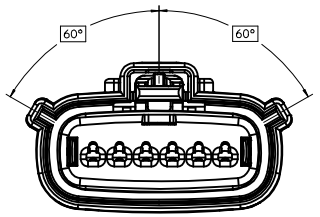
SIZE: A1

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

SHEET DESCRIPTION

KEY CONFIGURATIONS CONT.

1X6



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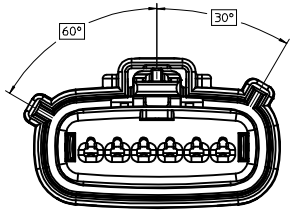

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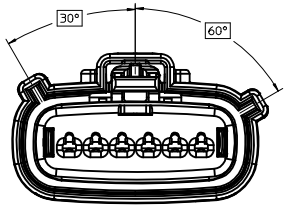

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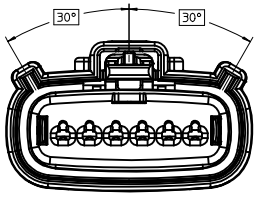


KEY D

ENTER DESCRIPTION
EC NO: UAU2016-16411 2016/05/10
DRWN:XBTANG
CHKD:
APPR:KDEKOSKI 2016/06/14
DESCRIPTION
REV
A

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: APROFFITT DATE: 2015/11/04
CHECKED BY: DATE:
APPROVED BY: KDEKOSKI DATE: 2016/06/14
MATERIAL NO.: SEE NOTE 2a.

TITLE
MX150 RCPT
SINGLE ROW SEALED ASSY
MAT SEAL

molex

DOCUMENT NO.: SD-33471-0001
SHEET NO.: 4 OF 8

SIZE A1

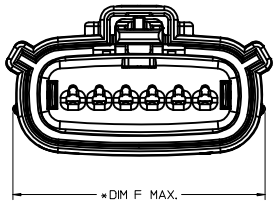
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY - STD

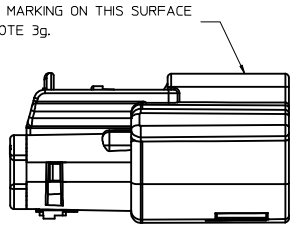
CHARTED DIMENSIONS

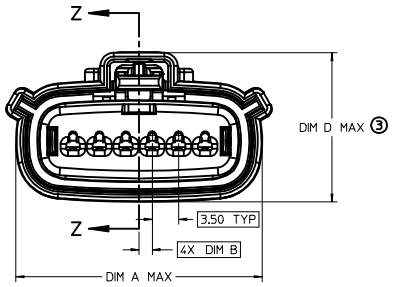
DESCRIPTION	DIMENSIONS					
	A	B	C	D	E	F
1X2	19.40	1.75	21.73	20.55	37.65	19.64
1X6	32.75	1.75	35.21	19.90	37.65	N/A
1X6 UL V0	N/A	1.75	35.23	19.90	37.65	33.64

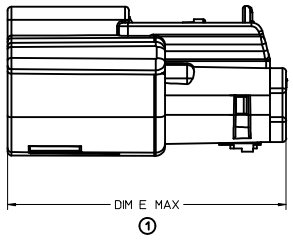


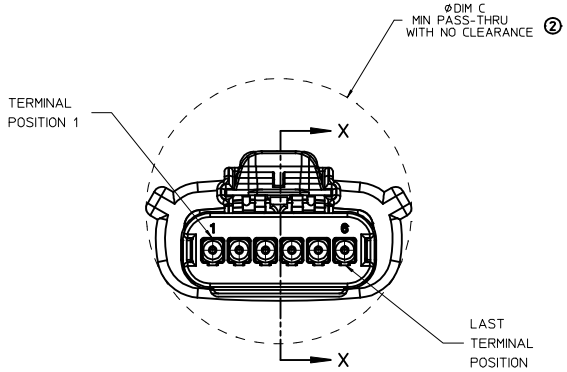
*APPLIE TO UL V0 CONFIGURATIONS ONLY

⑪

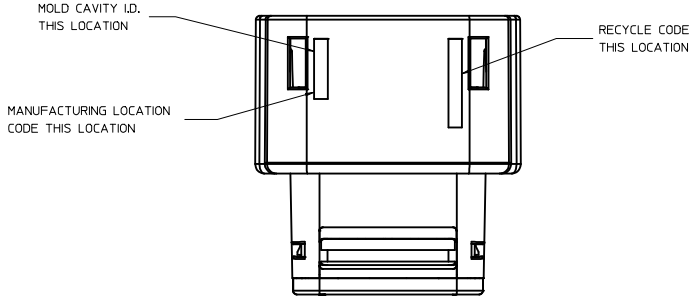


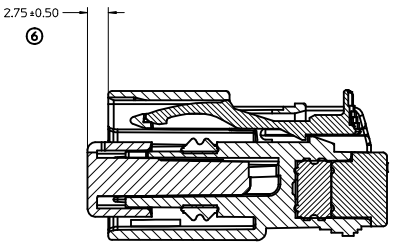






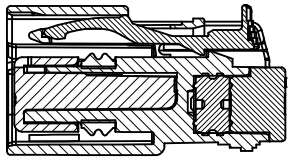
REAR VIEW
(WIRE HARNESS SIDE)





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

SECTION Z-Z



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

SECTION X-X

ENTER DESCRIPTION
EC NO: UAU2016-1641 2016/05/10
DRWN:XBTANG
CHKD:
APPR:KDEKOSKI 2016/06/14
DESCRIPTION
REV
A

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: APROFFITT DATE: 2015/11/04
CHECKED BY: DATE:
APPROVED BY: KDEKOSKI DATE: 2016/06/14
MATERIAL NO.: SEE NOTE 2a.

TITLE: MX150 RCPT
SINGLE ROW SEALED ASSY
MAT SEAL

molex

DOCUMENT NO.: SD-33471-0001
SHEET NO.: 5 OF 8
SIZE: A1

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

SHEET DESCRIPTION

BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. APPLICATION SPECIFICATION SEE: AS-34951-001

-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-0001.

-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.

-COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.

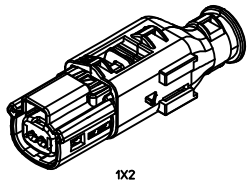
-BACKSHELL DESIGN IS OWNED BY SCHLEMMER.

-FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34949-0001.

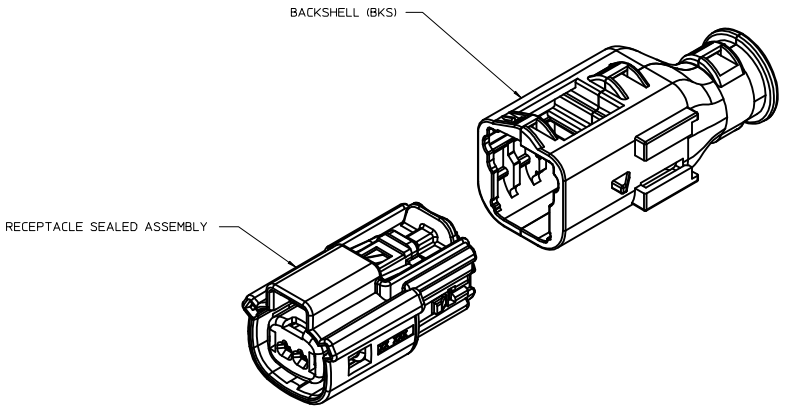
BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34949-XXXX

- CUSTOMER MODEL COMPONENTS
  - 0 - BACKSHELL ONLY
  - 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
  - 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
  - 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
  - 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY
- BACKSHELL FEATURES
  - 1 - WITH RIBS
  - 2 - WITHOUT RIBS
- MX150 CIRCUIT SIZE 02, 03, 04, 05, 06



1X2



ENTER DESCRIPTION	REV	DESCRIPTION	
EC NO: UAU2016-1641	A	DRWN:XBTANG	2016/05/10
		CHKD:	
		APPR:KDEKOSKI	2016/06/14

QUALITY SYMBOLS

▽=0	4 PLACES
▽=0	3 PLACES
▽=0	2 PLACES
▽=0	1 PLACE
▽=0	0 PLACE

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	APROFFITT
DATE	2015/11/04
CHECKED BY	
DATE	
APPROVED BY	KDEKOSKI
DATE	2016/06/14
MATERIAL NO.	SEE NOTE 2a.
DOCUMENT NO.	SD-33471-0001
SHEET NO.	6 OF 8
SIZE	A1

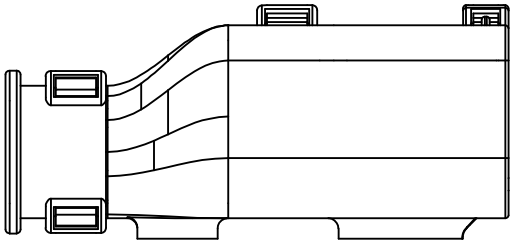
TITLE: MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL

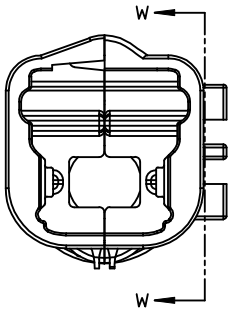
molex

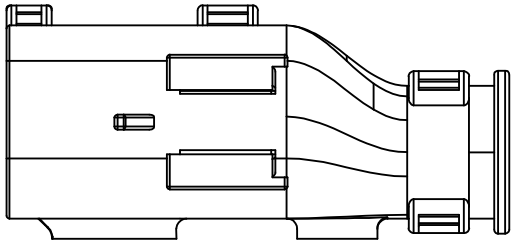
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

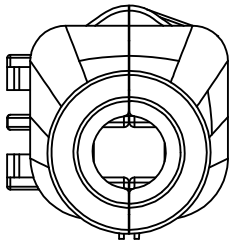
SHEET DESCRIPTION

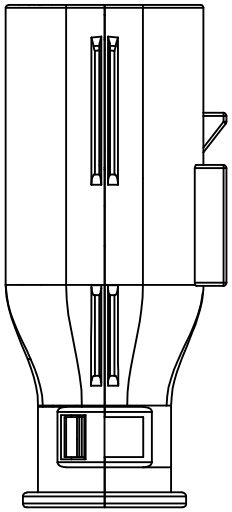
BACKSHELL

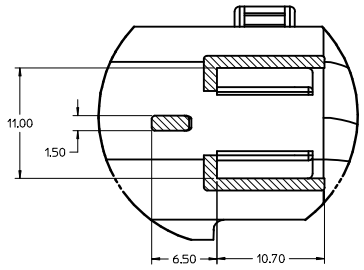










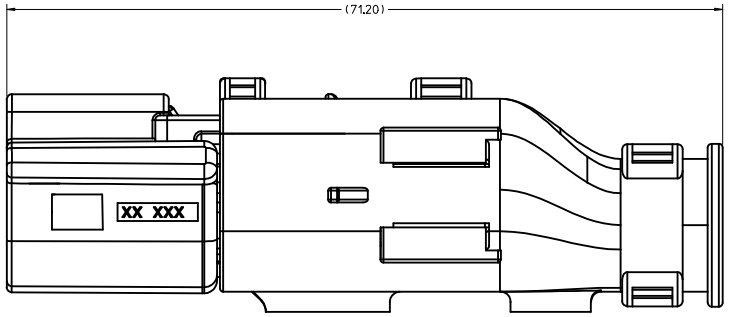


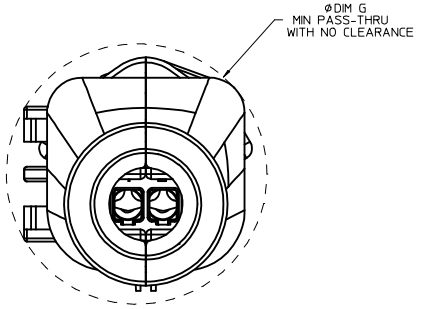
Partial W-W
SCALE 4:1

ENTER DESCRIPTION EC NO: UAU2016-16411 2016/05/10 DRWN:XBTANG CHKD: APPR:KDEKOSKI 2016/06/14 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE: MM ONLY	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY: APROFFITT DATE: 2015/11/04	TITLE: MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL		
	=0	4 PLACES ± ---	± ---	CHECKED BY: DATE:			
	=0	3 PLACES ± ---	± ---				
	=0	2 PLACES ± 0.10	± ---				
	=0	1 PLACE ± 0.2	± ---	APPROVED BY: KDEKOSKI DATE: 2016/06/14	molex		
	=0	0 PLACE ± ---	± ---				
		ANGULAR ± 1 °		MATERIAL NO.: SEE NOTE 2a.	DOCUMENT NO.: SD-33471-0001		SHEET NO.: 7 OF 8
REV: A		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE: A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

CHARTED DIMENSIONS	
DESCRIPTION	DIMENSIONS
	G
1X2	26.00





RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO: UAU2016-16411 DRWN:XBTANG 2016/05/10 CHKD: APPR:KDEKOSKI 2016/06/14 DESCRIPTION REV A	QUALITY SYMBOLS =0 =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.10 / ± --- 1 PLACE ± 0.2 / ± --- 0 PLACE ± --- / ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY APROFFITT DATE 2015/11/04 CHECKED BY DATE APPROVED BY KDEKOSKI DATE 2016/06/14 MATERIAL NO. SEE NOTE 2a.	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL molex DOCUMENT NO. SD-33471-0001 SHEET NO. 8 OF 8 SIZE A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

TABLE OF CONTENTS

SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	POLARIZATIONS
3	RCPT CONNECTOR ASSY
4	BOM SHEET 1
5	BOM SHEET 2
6	BOM SHEET 3

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 DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-006-1-Z03, AVAILIBLE AT http://ewcap.uscarteams.org/.
-DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-061
-FOR 1.5mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY. SEE MOLEX DRAWING SD-33012-002.
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2 mm TO 2.69 mm.
-ASSEMBLY SHIPPED WITH PLR AND CPA IN PRE-LOCK POSITION (SEE SECTION Z-Z PRE-LOCK).
-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:
ENGAGEMENT FORCE TO MOVE CPA FROM PRE-LOCK TO FINAL LOCK POSITION WHEN UNMATED: 40N MIN.
DISENGAGEMENT FORCE TO MOVE CPA FROM FINAL LOCK TO PRE-LOCK POSITION: 3N MIN, 40N MAX
TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 40 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-31300-903

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. CPA: PBT 20% GLASS FILLED

c. MAT SEAL AND RING 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.

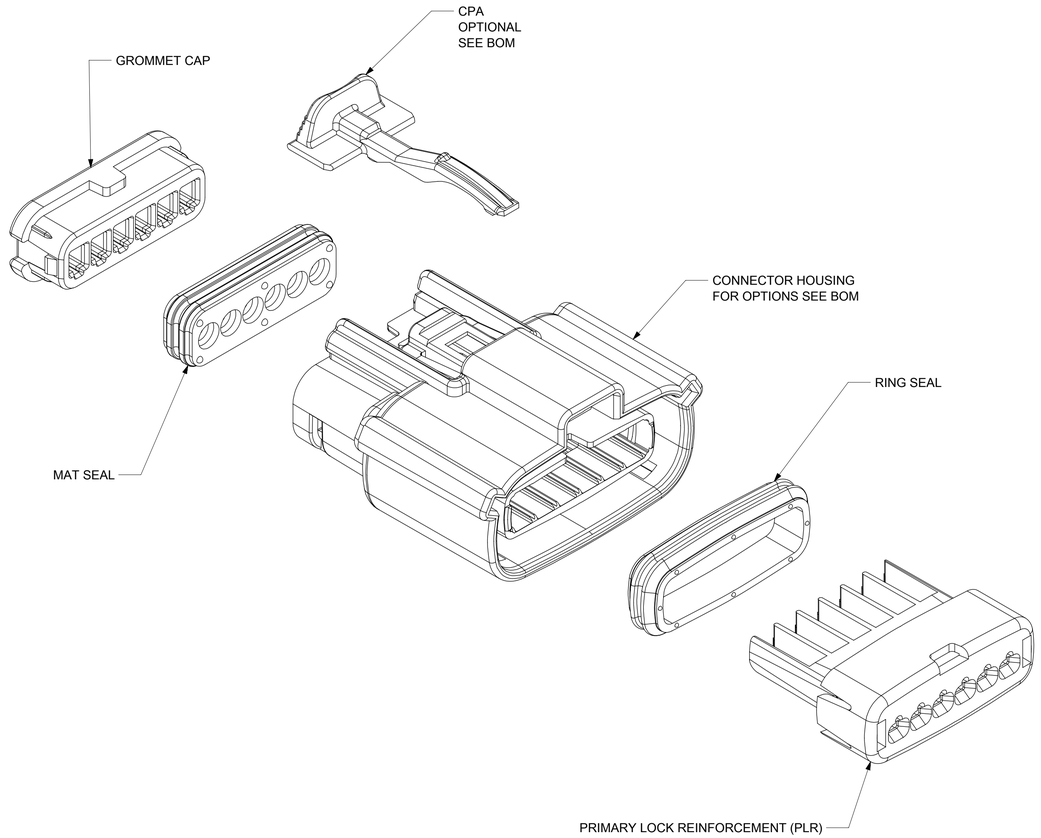
e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.

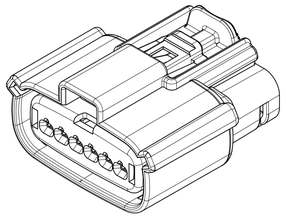
f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

g. LASER MARKING: TBD

MATING INTERFACE CHART

DESCRIPTION	CIRCUIT SIZE	SERIES	COLOR	INTERFACE MODEL NUMBER	STATUS
MX150 1X6 RCPT ASSY, KEY A	6	33471	BLACK	CM-150-S-006-1-A03	SALEABLE
MX150 1X6 RCPT ASSY, KEY B	6	33471	DARK GRAY	CM-150-S-006-1-B03	SALEABLE
MX150 1X6 RCPT ASSY, KEY C	6	33471	LIGHT GRAY	CM-150-S-006-1-C03	SALEABLE
MX150 1X6 RCPT ASSY, KEY D	6	33471	BLACK	CM-150-S-006-1-D03	SALEABLE





REV	REV DESCRIPTION
U4	Updated status of parts based on new mat seal
U3	ADDED 33471-6080
U2	UPDATED 33471-60** PARTS TO SALEABLE AND REMOVED "NOT RECOMMENDED" PART NUMBERS
U1	Remastered, Added 33471-60** Part Numbers

INSPECTION NUMBER LOG

LAST NUMBER: 5

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

SYMBOLS
F = 0
E = 0
F = 0
S = 0
▼ = 0
C = 0
☒ = 0
■ = 0
▽ = 0

DIMENSION UNITS	SCALE
mm	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 614171
DRWN: DBARTHLOW 2019/04/08
CHK'D: MVANSLAMBROU 2019/04/12
APPR: MVANSLAMBROU 2019/04/12

INITIAL REVISION:
DRWN: DGRIFFITHS 2005/08/26
APPR: smarceau 2005/08/29

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 33471

molex

MX150 1X6 RECEPTACLE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

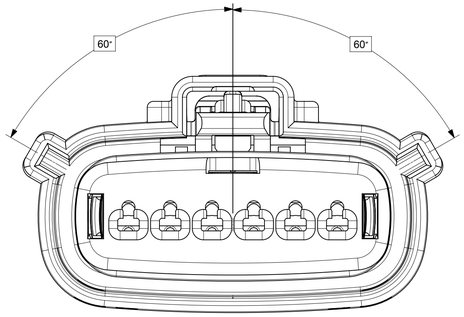
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33471-061	PSD	001	U4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/12 23:27:03

SHEET DESCRIPTION

POLARIZATIONS



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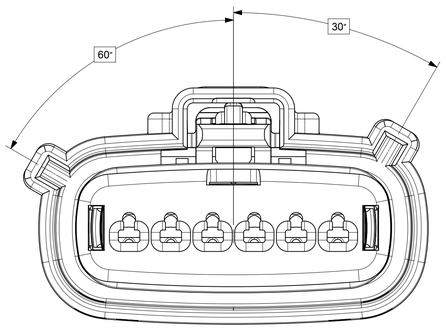

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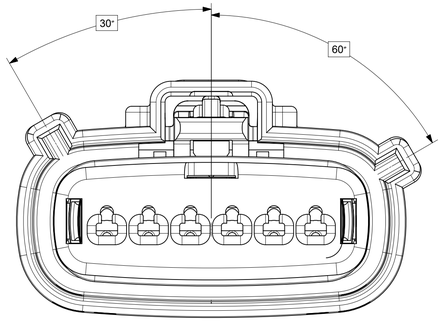

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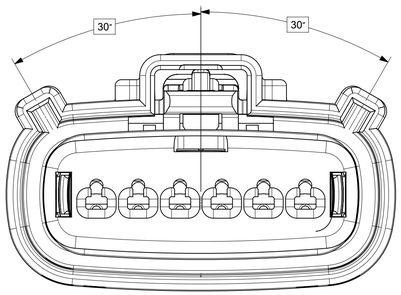

KEY D

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/12 23:27:03

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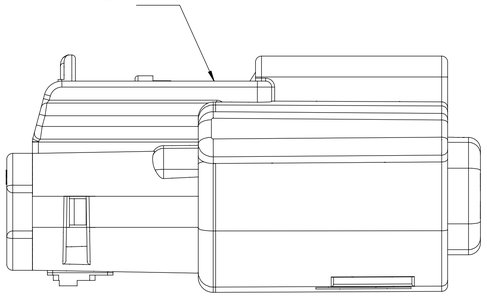
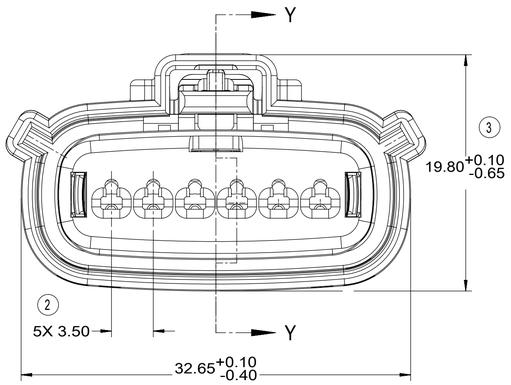
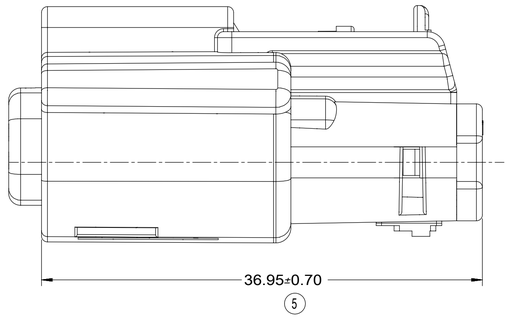
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			MX150 1X6 RECEPTACLE SEALED ASSEMBLY MAT SEAL
FB = 0	ANGULAR TOL ± 3.0 °		EC NO: 614171	
S = 0	4 PLACES ±		DRWN: DBARTHLOW 2019/04/08	PRODUCT CUSTOMER DRAWING
▼ = 0	3 PLACES ±		CHK'D: MVANSLAMBROU 2019/04/12	
C = 0	2 PLACES ± 0.1		APPR: MVANSLAMBROU 2019/04/12	DOCUMENT NUMBER: SD-33471-061 / DOC TYPE: PSD / DOC PART: 001 / REVISION: U4
☒ = 0	1 PLACE ± 0.3		INITIAL REVISION:	
■ = 0	0 PLACES ±		DRWN: DGRIFFITHS 2005/08/26	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: smarceau 2005/08/29	
	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 33471	MATERIAL NUMBER / CUSTOMER: GENERAL MARKET / SHEET NUMBER: 2 OF 6

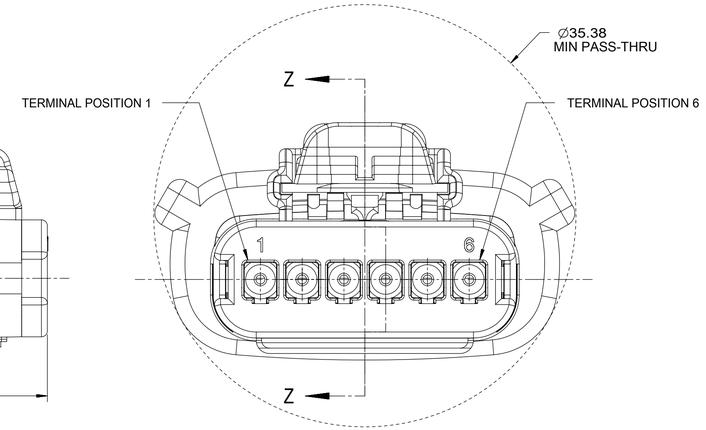
SHEET DESCRIPTION

RCPT CONNECTOR ASSY

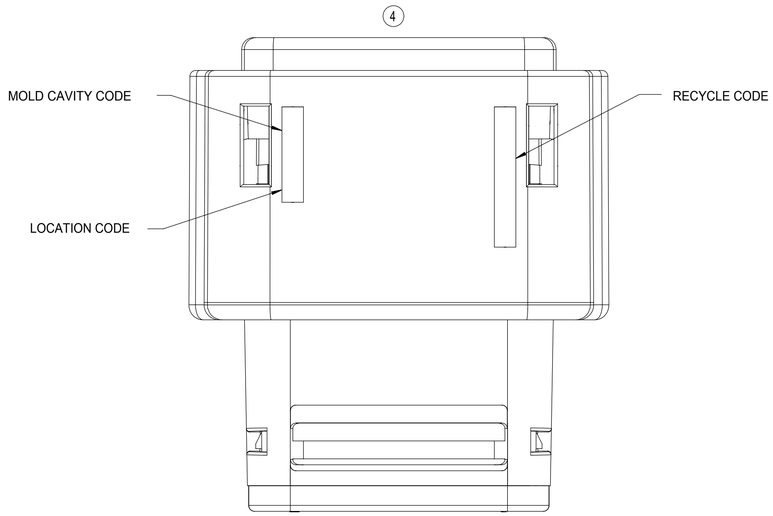




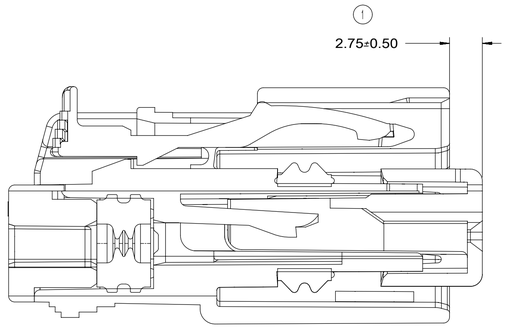




REAR VIEW
(WIRE HARNESS SIDE)

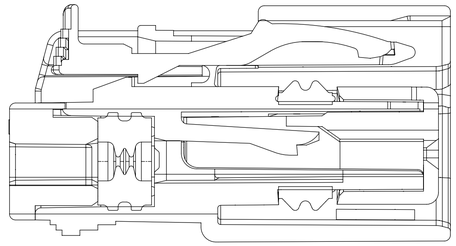


Bottom1



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

SECTION Z-Z



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

SECTION Y-Y

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= 0	
C = 0	
= 0	
= 0	
V = 0	

DIMENSION UNITS	SCALE
mm	4:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.1
1 PLACE	± 0.3
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: 614171
DRWN: DBARTHLOW 2019/04/08
CHK'D: MVANSLAMBROU 2019/04/12
APPR: MVANSLAMBROU 2019/04/12

INITIAL REVISION:
DRWN: DGRIFFITHS 2005/08/26
APPR: smarceau 2005/08/29

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 33471

molex

MX150 1X6 RECEPTACLE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33471-061	PSD	001	U4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 6

SHEET DESCRIPTION

BOM SHEET 1

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (NUMBER PRESENT = PLUGGED)						CPA	STATUS	COMMENTS
			1	2	3	4	5	6			
33471-0601	BLACK	A							—	PLANNED OBSOLESCENCE	
33471-0602	LT.GRAY	B							—	PLANNED OBSOLESCENCE	
33471-0603	BROWN	C							—	NOT RECOMMENDED	SEE P/N 33471-0659
33471-0604	GREEN	D							—	NOT RECOMMENDED	SEE P/N 33471-0660
33471-0605	YELLOW	A							—	PLANNED OBSOLESCENCE	
33471-0606	BLACK	A							YES	PLANNED OBSOLESCENCE	
33471-0607	LT.GRAY	B							YES	PLANNED OBSOLESCENCE	
33471-0608	BROWN	C							YES	NOT RECOMMENDED	SEE P/N 33471-0661
33471-0609	GREEN	D							YES	NOT RECOMMENDED	SEE P/N 33471-0662
33471-0610	YELLOW	A							YES	PLANNED OBSOLESCENCE	
33471-0611	BLACK	A						6	—	PLANNED OBSOLESCENCE	
33471-0612	LT.GRAY	B						6	—	PLANNED OBSOLESCENCE	
33471-0613	BROWN	C						6	—	NOT RECOMMENDED	SEE P/N 33471-0663
33471-0614	GREEN	D						6	—	NOT RECOMMENDED	SEE P/N 33471-0664
33471-0615	YELLOW	A						6	—	PLANNED OBSOLESCENCE	
33471-0616	BLACK	A						6	YES	PLANNED OBSOLESCENCE	
33471-0617	LT.GRAY	B						6	YES	PLANNED OBSOLESCENCE	
33471-0618	BROWN	C						6	YES	NOT RECOMMENDED	SEE P/N 33471-0665
33471-0619	GREEN	D						6	YES	NOT RECOMMENDED	SEE P/N 33471-0666
33471-0620	YELLOW	A						6	YES	PLANNED OBSOLESCENCE	
33471-0621	BLACK	A	1					6	—	PLANNED OBSOLESCENCE	
33471-0622	LT.GRAY	B	1					6	—	PLANNED OBSOLESCENCE	
33471-0623	BROWN	C	1					6	—	NOT RECOMMENDED	SEE P/N 33471-0667
33471-0624	GREEN	D	1					6	—	NOT RECOMMENDED	SEE P/N 33471-0668
33471-0625	YELLOW	A	1					6	—	PLANNED OBSOLESCENCE	
33471-0626	BLACK	A	1					6	YES	PLANNED OBSOLESCENCE	
33471-0627	LT.GRAY	B	1					6	YES	PLANNED OBSOLESCENCE	
33471-0628	BROWN	C	1					6	YES	NOT RECOMMENDED	SEE P/N 33471-0669
33471-0629	GREEN	D	1					6	YES	NOT RECOMMENDED	SEE P/N 33471-0670
33471-0630	YELLOW	A	1					6	YES	PLANNED OBSOLESCENCE	
33471-0631	BLACK	A	1	2	3	4	5	6	—	PLANNED OBSOLESCENCE	
33471-0632	LT.GRAY	B	1	2	3	4	5	6	—	PLANNED OBSOLESCENCE	
33471-0633	BROWN	C	1	2	3	4	5	6	—	NOT RECOMMENDED	SEE P/N 33471-0671
33471-0634	GREEN	D	1	2	3	4	5	6	—	NOT RECOMMENDED	SEE P/N 33471-0672
33471-0635	YELLOW	A	1	2	3	4	5	6	—	PLANNED OBSOLESCENCE	
33471-0650	BLACK	A					5	6	—	PLANNED OBSOLESCENCE	
33471-0651	BLACK	A	1	2	3	4	5	6	YES	PLANNED OBSOLESCENCE	
33471-0652	BLACK	A				4			YES	PLANNED OBSOLESCENCE	
33471-0653	BLACK	A			3				YES	PLANNED OBSOLESCENCE	
33471-0654	BLACK	A			3				—	PLANNED OBSOLESCENCE	
33471-0655	BLACK	A			3	4	5		—	PLANNED OBSOLESCENCE	
33471-0656	BLACK	A					5		—	PLANNED OBSOLESCENCE	
33471-0657	BLACK	A				4			—	PLANNED OBSOLESCENCE	
33471-0658	BLACK	A	1	2	3	4			—	PLANNED OBSOLESCENCE	
33471-0659	DARK GRAY	C							—	PLANNED OBSOLESCENCE	
33471-0660	STONE GRAY	D							—	PLANNED OBSOLESCENCE	
33471-0661	DARK GRAY	C							YES	PLANNED OBSOLESCENCE	
33471-0662	STONE GRAY	D							YES	PLANNED OBSOLESCENCE	
33471-0663	DARK GRAY	C						6	—	PLANNED OBSOLESCENCE	
33471-0664	STONE GRAY	D						6	—	PLANNED OBSOLESCENCE	
33471-0665	DARK GRAY	C						6	YES	PLANNED OBSOLESCENCE	
33471-0666	STONE GRAY	D						6	YES	PLANNED OBSOLESCENCE	
33471-0667	DARK GRAY	C	1					6	—	PLANNED OBSOLESCENCE	
33471-0668	STONE GRAY	D	1					6	—	PLANNED OBSOLESCENCE	
33471-0669	DARK GRAY	C	1					6	YES	PLANNED OBSOLESCENCE	
33471-0670	STONE GRAY	D	1					6	YES	PLANNED OBSOLESCENCE	
33471-0671	DARK GRAY	C	1	2	3	4	5	6	—	PLANNED OBSOLESCENCE	
33471-0672	STONE GRAY	D	1	2	3	4	5	6	—	PLANNED OBSOLESCENCE	
33471-0673	BLACK	A			3			6	—	PLANNED OBSOLESCENCE	
33471-0674	BLACK	A		2					—	PLANNED OBSOLESCENCE	
33471-0675	BLACK	A	1		3		5		YES	PLANNED OBSOLESCENCE	
33471-0676	BLACK	A	1						—	PLANNED OBSOLESCENCE	
33471-0677	BLACK	A		2	3	4			—	PLANNED OBSOLESCENCE	
33471-0678	BLACK	A				4	5		—	PLANNED OBSOLESCENCE	

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/12 23:27:03

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DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.1
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 614171

DRWN: DBARTHLOW 2019/04/08

CHK'D: MVANSLAMBROU 2019/04/12

APPR: MVANSLAMBROU 2019/04/12

INITIAL REVISION:

DRWN: DGRIFFITHS 2005/08/26

APPR: smarceau 2005/08/29

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 33471

molex

MX150 1X6 RECEPTACLE
SEALED ASSEMBLY MAT SEAL

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-33471-061	PSD	001	U4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	4 OF 6

SHEET DESCRIPTION
BOM SHEET 2

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (NUMBER PRESENT = PLUGGED)						CPA	STATUS	COMMENTS
			1	2	3	4	5	6			
33471-6601	BLACK	A							—	PLANNED OBSOLESCENCE	
33471-6606	BLACK	A							YES	PLANNED OBSOLESCENCE	

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/12 23:27:03

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mm	1:1

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SD-33471-061	PSD	001	U4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	5 OF 6

SHEET DESCRIPTION

BOM SHEET 3

ASSEMBLY PART NUMBER	COLOR	KEYING OPTION	CAVITY TYPE & STATUS (NUMBER PRESENT = PLUGGED)						CPA	STATUS	COMMENTS
			1	2	3	4	5	6			
33471-6001	BLACK	A							—	SALEABLE	
33471-6002	LT.GRAY	B							—	SALEABLE	
33471-6003	BROWN	C							—	NOT RECOMMENDED	SEE P/N 33471-6059
33471-6004	GREEN	D							—	NOT RECOMMENDED	SEE P/N 33471-6060
33471-6005	YELLOW	A							—	SALEABLE	
33471-6006	BLACK	A							YES	SALEABLE	
33471-6007	LT.GRAY	B							YES	SALEABLE	
33471-6008	BROWN	C							YES	NOT RECOMMENDED	SEE P/N 33471-6061
33471-6009	GREEN	D							YES	NOT RECOMMENDED	SEE P/N 33471-6062
33471-6010	YELLOW	A							YES	SALEABLE	
33471-6011	BLACK	A						6	—	SALEABLE	
33471-6012	LT.GRAY	B						6	—	SALEABLE	
33471-6015	YELLOW	A						6	—	SALEABLE	
33471-6016	BLACK	A						6	YES	SALEABLE	
33471-6017	LT.GRAY	B						6	YES	SALEABLE	
33471-6020	YELLOW	A						6	YES	SALEABLE	
33471-6021	BLACK	A	1					6	—	SALEABLE	
33471-6022	LT.GRAY	B	1					6	—	SALEABLE	
33471-6025	YELLOW	A	1					6	—	SALEABLE	
33471-6026	BLACK	A	1					6	YES	SALEABLE	
33471-6027	LT.GRAY	B	1					6	YES	SALEABLE	
33471-6030	YELLOW	A	1					6	YES	SALEABLE	
33471-6031	BLACK	A	1	2	3	4	5	6	—	SALEABLE	
33471-6032	LT.GRAY	B	1	2	3	4	5	6	—	SALEABLE	
33471-6035	YELLOW	A	1	2	3	4	5	6	—	SALEABLE	
33471-6050	BLACK	A					5	6	—	SALEABLE	
33471-6051	BLACK	A	1	2	3	4	5	6	YES	SALEABLE	
33471-6052	BLACK	A				4			YES	SALEABLE	
33471-6053	BLACK	A			3				YES	SALEABLE	
33471-6054	BLACK	A			3				—	SALEABLE	
33471-6055	BLACK	A			3	4	5		—	SALEABLE	
33471-6056	BLACK	A					5		—	SALEABLE	
33471-6057	BLACK	A				4			—	SALEABLE	
33471-6058	BLACK	A	1	2	3	4			—	SALEABLE	
33471-6059	DARK GRAY	C							—	SALEABLE	
33471-6060	STONE GRAY	D							—	SALEABLE	
33471-6061	DARK GRAY	C							YES	SALEABLE	
33471-6062	STONE GRAY	D							YES	SALEABLE	
33471-6063	DARK GRAY	C						6	—	SALEABLE	
33471-6064	STONE GRAY	D						6	—	SALEABLE	
33471-6065	DARK GRAY	C						6	YES	SALEABLE	
33471-6066	STONE GRAY	D						6	YES	SALEABLE	
33471-6067	DARK GRAY	C	1					6	—	SALEABLE	
33471-6068	STONE GRAY	D	1					6	—	SALEABLE	
33471-6069	DARK GRAY	C	1					6	YES	SALEABLE	
33471-6070	STONE GRAY	D	1					6	YES	SALEABLE	
33471-6071	DARK GRAY	C	1	2	3	4	5	6	—	SALEABLE	
33471-6072	STONE GRAY	D	1	2	3	4	5	6	—	SALEABLE	
33471-6073	BLACK	A			3			6	—	SALEABLE	
33471-6074	BLACK	A		2					—	SALEABLE	
33471-6075	BLACK	A	1		3		5		YES	SALEABLE	
33471-6076	BLACK	A	1						—	SALEABLE	
33471-6077	BLACK	A		2	3	4			—	SALEABLE	
33471-6078	BLACK	A				4	5		—	SALEABLE	
33471-6079	BLACK	A	1						YES	SALEABLE	
33471-6080	BLACK	A			3	4			YES	SALEABLE	

DOCUMENT STATUS	P1	RELEASE DATE	2019/04/12 23:27:03

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mm	1:1

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MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	6 OF 6