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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:

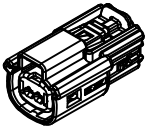
- a. FOR BILL OF MATERIALS SEE:
- STANDARD CONFIGURATION SD-33471-0002
 - UL V0 CONFIGURATION SD-160105-0002

3. DESIGN - GEOMETRY:

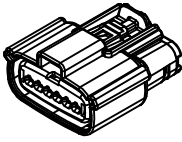
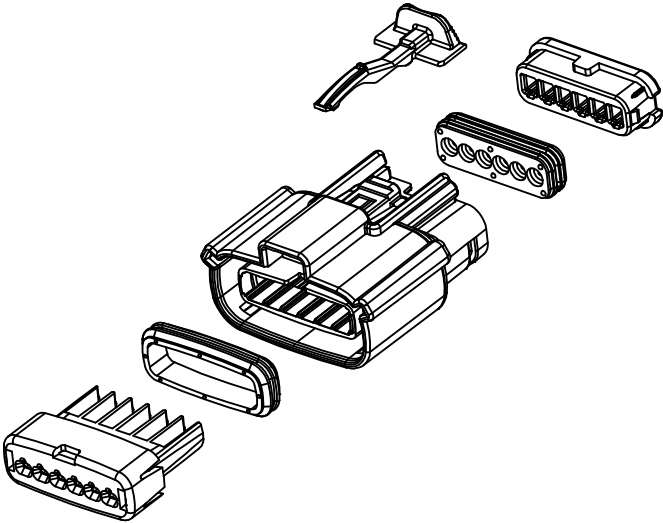
- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS, DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
- c. EDGES AND UNDIMENSIONED 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



1x2



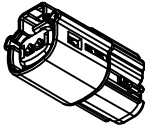
1x6

INSPECTION NUMBER LOG		A	MINOR GEOMETRY CHANGE FOR UL V0
LAST NUMBER: 11		2	UPDATE VIEWSETS
ADDED: 11		1	INITIAL RELEASE
REMOVED:		REV	REV DESCRIPTION
SCALE 1.5:1		SCALE	DESIGN UNITS METRIC
DIMENSION STYLE MM ONLY		THIRD ANGLE PROJECTION	
DRAWN BY DATE 2015/11/04		TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL	
CHECKED BY DATE		molex	
APPROVED BY DATE 2016/06/14		DOCUMENT NO. SD-33471-0001	
MATERIAL NO.		SHEET NO. 1 OF 8	
SEE NOTE 2a.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

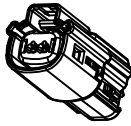
ENTER DESCRIPTION EC NO: UAU2016-1641 DRAWN BY: DRWNBETANG CHKD: CHKD: APPR: KDEKOSKI REV	DESCRIPTION 2016/05/10 2016/06/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
			mm	INCH
			4 PLACES ± .--- ± .---	
			3 PLACES ± .--- ± .---	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE 1	ANGULAR ± 1 °	2 PLACES ± 0.10 ± .---	
			1 PLACE ± 0.2 ± .---	
			0 PLACE ± .--- ± .---	

SHEET DESCRIPTION

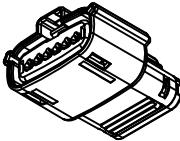
CONFIGURATIONS



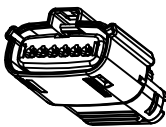
1x2 - STD



1x2 - UL V0*



1x6 - STD



1x6 - UL V0*

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

ENTER DESCRIPTION EC NO: UAU2016-1641 DRAWN&BTANG 2016/05/10 CHKD: A APPR:KDEKOSKI 2016/06/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1.5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY APPROFIT	DATE 2015/11/04	TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL molex				
		4 PLACES	± ---	± ---	CHECKED BY	DATE					
		3 PLACES	± ---	± ---	APPROVED BY KDEKOSKI						DATE 2016/06/14
		▽=0	4 PLACES	± 0.10	± ---	MATERIAL NO.		DOCUMENT NO.		SD-33471-0001	
		▽=0	1 PLACE	± 0.2	± ---	SEE NOTE 2a.		SD-33471-0001			
		▽=0	0 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 2 OF 8			
		REV	DESCRIPTION	ANGULAR ± 1 °			SIZE A1		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
SHEET DESCRIPTION KEY CONFIGURATIONS																			
1X2																			
<																			

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

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	DATE
APPROFIT	2015/11/04
CHECKED BY	DATE
APPROVED BY	DATE
KDEKOSKI	2016/06/14
MATERIAL NO.	
SEE NOTE 2a.	
SIZE	1

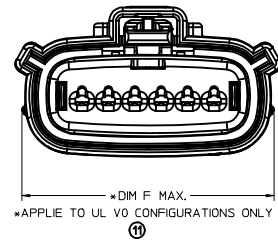
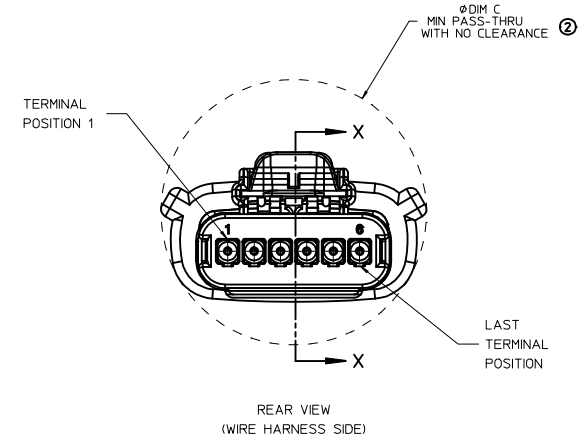
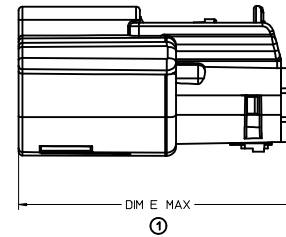
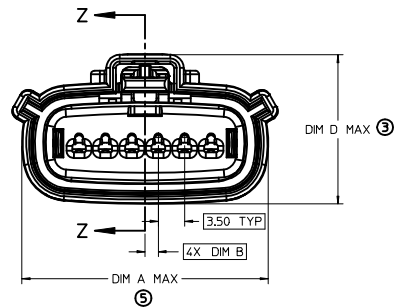
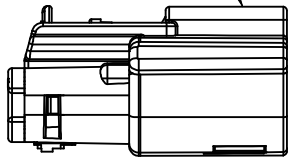
SCALE	3:1	DESIGN UNITS	METRIC	THIRD ANGLE PROJECTION
TITLE				
MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL				
molex				
DOCUMENT NO.				
SD-33471-0001				
SHEET NO.				
3 OF 8				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY - STD

CHARTED DIMENSIONS

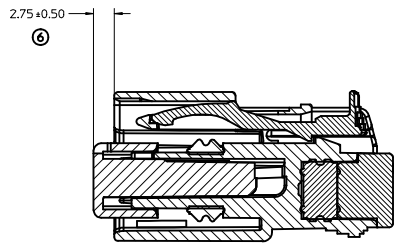
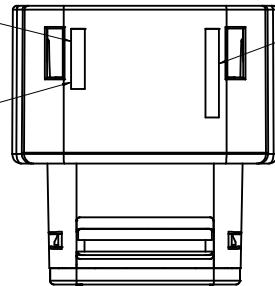
DESCRIPTION	DIMENSIONS					
	A	B	C	D	E	F
1X2	19.40	1.75	21.73	20.55	37.65	19.64
1X6	32.75	1.75	35.21	19.90	37.65	N/A
1X6 UL V0	N/A	1.75	35.23	19.90	37.65	33.64

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.

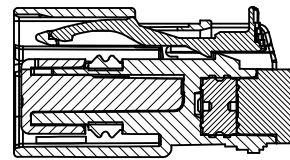
MOLD CAVITY I.D.
THIS LOCATION

RECYCLE CODE
THIS LOCATION

MANUFACTURING LOCATION
CODE THIS LOCATION



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

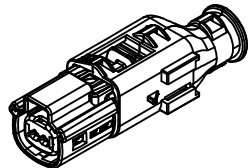


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION
SECTION X-X

ENTER DESCRIPTION EC NO: UAU2016-1641 DRAWN BY: DRWNBKTBANG CHKD: CHYKD APPR: KDEKOSKI REV: A	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm INCH		DRAWN BY APPROFFITT	DATE 2015/11/04	TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL molex		
				CHECKED BY	DATE			
				APPROVED BY KDEKOSKI	DATE 2016/06/14			
				MATERIAL NO.				
ANGULAR ± 1°		SEE NOTE 2a.		SD-33471-0001		SHEET NO. 5 OF 8		
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						

SHEET DESCRIPTION

BACKSHELL NOTES



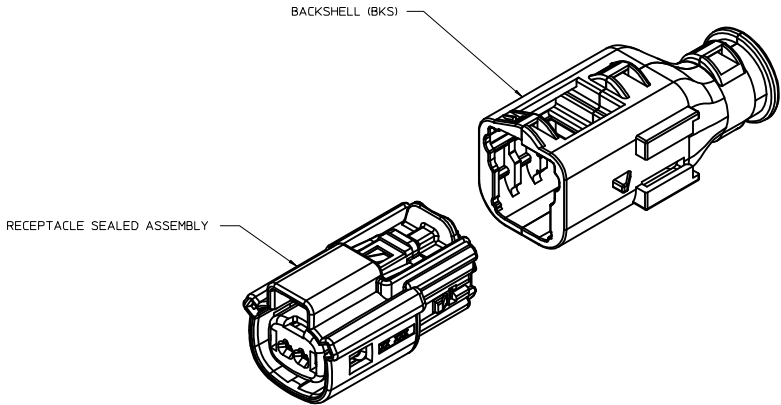
1X2

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

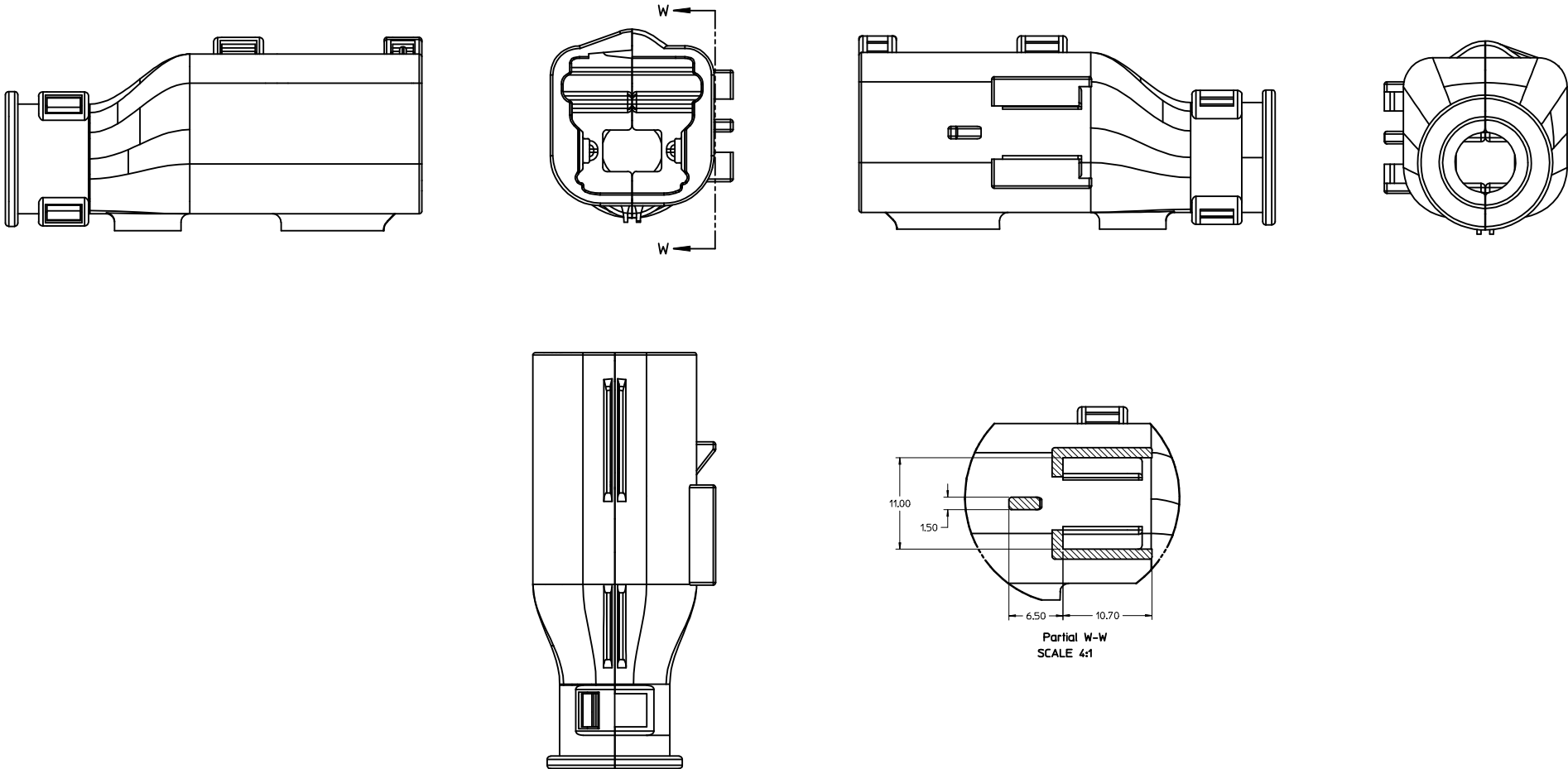
- 34949-XXXX
- CUSTOMER MODEL COMPONENTS
 - 0 - BACKSHELL ONLY
 - 1 - BACKSHELL & MX150 HOUSING KEY A ASSEMBLY
 - 2 - BACKSHELL & MX150 HOUSING KEY B ASSEMBLY
 - 3 - BACKSHELL & MX150 HOUSING KEY C ASSEMBLY
 - 4 - BACKSHELL & MX150 HOUSING KEY D ASSEMBLY
 - BACKSHELL FEATURES
 - 1 - WITH RIBS
 - 2 - WITHOUT RIBS
 - MX150 CIRCUIT SIZE 02, 03, 04, 05, 06



ENTER DESCRIPTION EC NO: UAU2016-1641 DRAWN BY: TANG CHKD: CHEN APPR: KDKOSKI REV: A	DESCRIPTION 2016/06/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			mm		INCH		DRAWN BY APPROFIT	DATE 2015/11/04	TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL		
			4 PLACES ± --- ± ---				CHECKED BY	DATE	molex		
			3 PLACES ± --- ± ---				APPROVED BY KDEKOSKI				
			2 PLACES ± 0.10 ± ---				DATE 2016/06/14				
			1 PLACE ± 0.2 ± ---				MATERIAL NO. SEE NOTE 2a.		DOCUMENT NO. SD-33471-0001		SHEET NO. 6 OF 8
			0 PLACE ± --- ± ---								
						ANGULAR ± 1 °					
						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

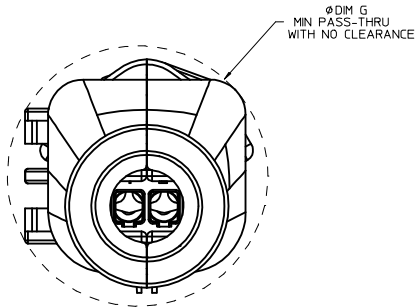
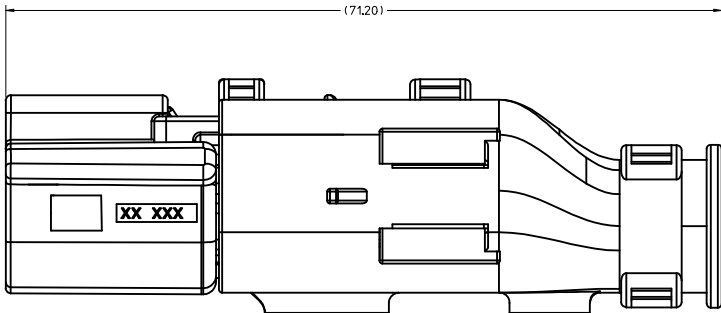
BACKSHELL



ENTER DESCRIPTION EC NO: UAU2016-1641 DRWN: BTANG CHKD: APPR: KDEKOSKI	DESCRIPTION 2016/06/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm INCH		DRAWN BY DATE APROFFITT 2015/11/04		TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL molex			
			4 PLACES ± --- ± ---		CHECKED BY DATE					
			3 PLACES ± --- ± ---		APPROVED BY DATE KDEKOSKI 2016/06/14					
			2 PLACES ± 0.10 ± ---		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			1 PLACE ± 0.2 ± ---		SEE NOTE 2a.		SD-33471-0001		7 OF 8	
0 PLACE ± --- ± ---		ANGULAR ± 1 °		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

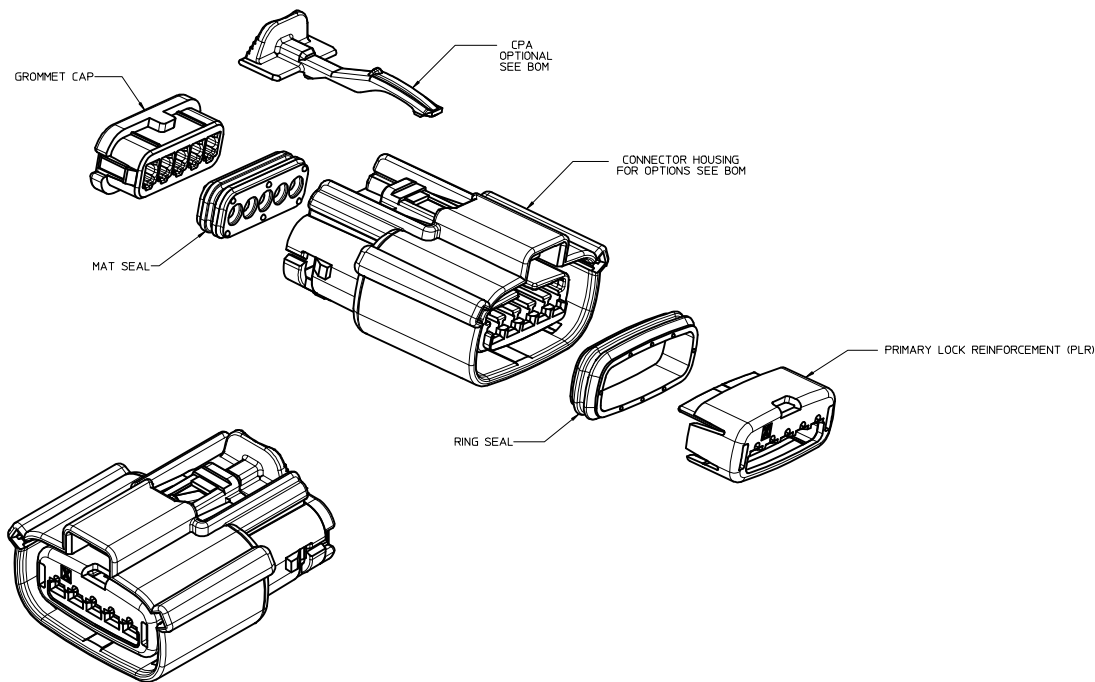
CHARTED DIMENSIONS	
DESCRIPTION	DIMENSIONS
	G
1X2	26.00



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO: UAU2016-1641 DRWN: BTANG 2016/05/10 CHKD: APPR: KDEKOSKI 2016/06/14	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				DRAWN BY DATE APPROFIT 2015/11/04		TITLE MX150 RCPT SINGLE ROW SEALED ASSY MAT SEAL		
				CHECKED BY DATE				
				APPROVED BY DATE KDEKOSKI 2016/06/14				
				MATERIAL NO.		DOCUMENT NO.		
	ANGULAR ± 1 °		SEE NOTE 2a.		SD-33471-0001		SHEET NO. 8 OF 8	
	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					
			molex					

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES
2	KEY CONFIGURATIONS
3	RECEPTACLE SEALED ASSEMBLY
4	BOM



NOTES: VALID UNLESS OTHERWISE SPECIFIED

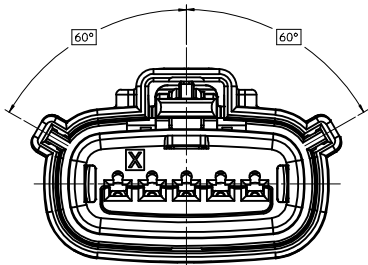
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-33472-100
 - CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-005-1-Z03, AVAILABLE AT <http://ewcap.uscorteam.org/>.
 - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING SD-33481-051.
 - FOR 15mm RECEPTACLE TERMINALS TO BE USED WITH THIS ASSEMBLY, SEE MOLEX DRAWING SD-33012-002.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 12mm TO 2.69mm.
 - 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. SEE BOM TABLE
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.02 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

M7	ADD NEW P/N 33471-0542
M6	CHANGE THE STATUS TO SALEABLE FROM TOOLED BUT NOT VALIDATED FOR DK GREY AND ST GREY
M5	UPDATE 33471-0503 33471-0504 33471-0508 33471-0509 PRODUCTION STATUS
M4	UPDATED SHEET 3 NOMENCLATURE
M3	UPDATED PACKAGING DIMENSIONS
M2	UPDATED COMPONENT BOM
M1	UPDATED WIRE DIAMETER RANGE
M	UPDATED NOTE 1c
L	UPDATE PER PRODUCTION DESIGN
REV	DESCRIPTION

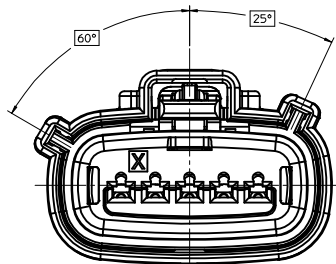
INSPECTION BALLOON NUMBER LOG	
PER DRAWING REVISION: M3	
LAST BALLOON NUMBER USED: 4	
ADDED BALLOON NUMBERS: 1a, 2a	
REMOVED BALLOON NUMBERS:	

SEE REV. COLUMN EC NO: UAU2014-1363 DRAWN BY: CHYO CHKD: APPR:WDSHY REV: M7	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE		TITLE MX150 1X5 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
		4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± ± 1 PLACE ± 0.10 0 PLACE ± 0.2 ±		MDICK 2012/06/01 CHECKED BY DATE					
		ANGULAR ± 3 °		APPROVED BY DATE		DOCUMENT NO. SD-33471-051 SHEET NO. 1 OF 5			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE BOM SIZE D					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

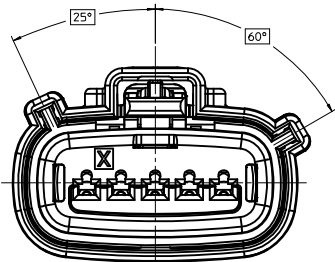
KEY CONFIGURATIONS



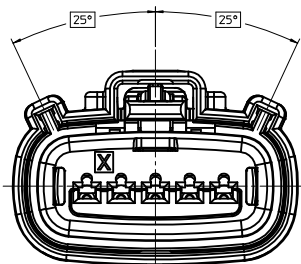
KEY A



KEY B



KEY C



KEY D

SEE REV. COLUMN EC NO: UAU2014-1363 DRAWN BY: CHYO: M7 APPR: WKOSHY 2014/03/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					DRAWN BY DATE		TITLE MX150 1X5 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex			
					MDICK 2012/06/01					
			4 PLACES ± --- ± ---		CHECKED BY DATE		MATERIAL NO. DOCUMENT NO. SD-33471-051			
			3 PLACES ± --- ± ---							
			2 PLACES ± 0.10 ± ---							
			1 PLACE ± 0.2 ± ---		APPROVED BY DATE		SHEET NO. 2 OF 5			
			0 PLACE ± ±							
			ANGULAR ± 3 °		SEE BOM					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

MX150 1X5 RECEPTACLE
SEALED ASSEMBLY
MAT SEAL

molex

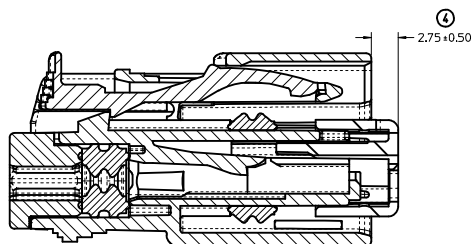
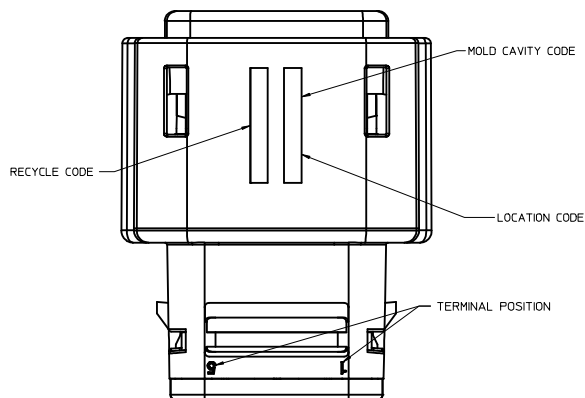
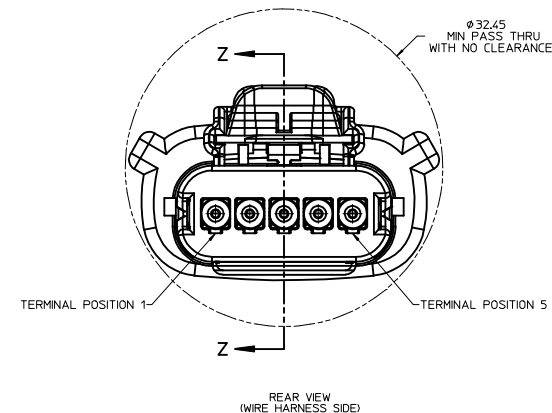
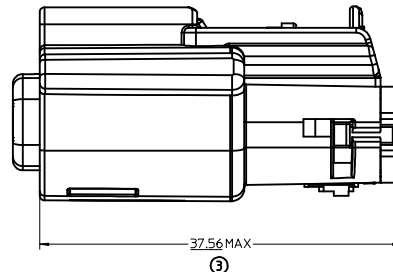
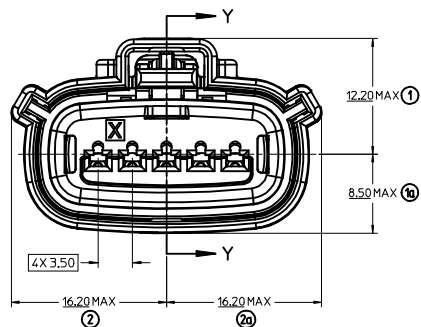
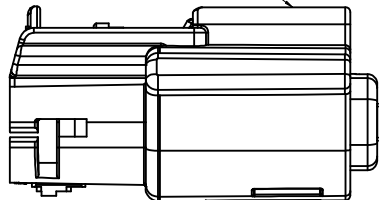
SD-33471-051

2 OF 5

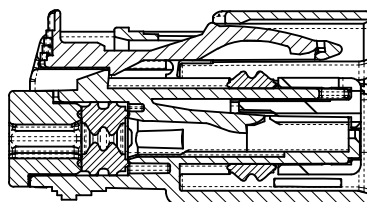
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

RECEPTACLE SEALED ASSEMBLY

LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



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



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

SEE REV. COLUMN EC NO: UAU2014-1363 DRAWN BY: 2014/03/03 CHKD: 2014/03/05 APPR: W05HY REV: M7	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 ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 1X5 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33471-051	SHEET NO. 3 OF 5		
			DRAWN BY MDICK		DATE 2012/06/01	CHECKED BY						
			APPROVED BY		DATE	MATERIAL NO.						
			SEE BOM								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
			SIZE D									

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

KEY A W/ CPA, BLACK	33471-0541	A								GCP	CPA	1	2	3	4	5	SALEABLE	
KEY D W/ CPA, STONE GRAY	33471-0540									D GCO	CPA						SALEABLE	
KEY C W/ CPA, DARK GRAY	33471-0539									C GCO	CPA						SALEABLE	
KEY D, STONE GRAY	33471-0538									D GCO							SALEABLE	
KEY C, DARK GRAY	33471-0537									C GCO							SALEABLE	
KEY A W/ CPA, BLACK	33471-0536	A								GCP	CPA		2		4		SALEABLE	
VOID KEY	33471-0535																	
KEY D, GREEN	33471-0534									D GCP		1	2	3	4	5	OBSOLETE	
KEY C, BROWN	33471-0533									C GCP		1	2	3	4	5	OBSOLETE	
KEY B, LIGHT GRAY	33471-0532									B GCP		1	2	3	4	5	TOOLED BUT NOT VALIDATED	
KEY A, BLACK	33471-0531	A								GCP		1	2	3	4	5	SALEABLE	
VOID KEY	33471-0530																	
KEY D W/ CPA, GREEN	33471-0529									D GCP	CPA	1				5	OBSOLETE	
KEY C W/ CPA, BROWN	33471-0528									C GCP	CPA	1				5	OBSOLETE	
KEY B W/ CPA, LIGHT GRAY	33471-0527									B GCP	CPA	1				5	TOOLED BUT NOT VALIDATED	
KEY A W/ CPA, BLACK	33471-0526	A								GCP	CPA	1				5	SALEABLE	
VOID KEY	33471-0525																	
KEY D, GREEN	33471-0524									D GCP		1				5	OBSOLETE	
KEY C, BROWN	33471-0523									C GCP		1				5	OBSOLETE	
KEY B, LIGHT GRAY	33471-0522									B GCP		1				5	TOOLED BUT NOT VALIDATED	
KEY A, BLACK	33471-0521	A								GCP		1				5	SALEABLE	
VOID KEY	33471-0520																	
KEY D W/ CPA, GREEN	33471-0519									D GCP	CPA					5	OBSOLETE	
KEY C W/ CPA, BROWN	33471-0518									C GCP	CPA					5	OBSOLETE	
KEY B W/ CPA, LIGHT GRAY	33471-0517									B GCP	CPA					5	TOOLED BUT NOT VALIDATED	
KEY A W/ CPA, BLACK	33471-0516	A								GCP	CPA					5	SALEABLE	
VOID KEY	33471-0515																	
KEY D, GREEN	33471-0514									D GCP						5	OBSOLETE	
KEY C, BROWN	33471-0513									C GCP						5	OBSOLETE	
KEY B, LIGHT GRAY	33471-0512									B GCP						5	TOOLED BUT NOT VALIDATED	
KEY A, BLACK	33471-0511	A								GCP						5	SALEABLE	
VOID KEY	33471-0510																	
KEY D W/ CPA, GREEN	33471-0509									D GCO	CPA						NOT RECOMMENDED USE/PLEASE USE 33471-0540	
KEY C W/ CPA, BROWN	33471-0508									C GCO	CPA						NOT RECOMMENDED USE/PLEASE USE 33471-0539	
KEY B W/ CPA, LIGHT GRAY	33471-0507									B GCO	CPA						TOOLED BUT NOT VALIDATED	
KEY A W/ CPA, BLACK	33471-0506	A								GCO	CPA						SALEABLE	
VOID KEY	33471-0505																	
KEY D, GREEN	33471-0504									D GCO							NOT RECOMMENDED USE/PLEASE USE 33471-0538	
KEY C, BROWN	33471-0503									C GCO							NOT RECOMMENDED USE/PLEASE USE 33471-0537	
KEY B, LIGHT GRAY	33471-0502									B GCO							TOOLED BUT NOT VALIDATED	
KEY A, BLACK	33471-0501	A								GCO							SALEABLE	
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	A	B	C	D	C	D	D	GCO	GCP	CPA	1	2	3	4	5	STATUS	COMMENTS
BLOCKED TERMINAL																		
CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION																		
CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		

MAT SEAL	ROYAL BLUE	INHERENTLY LUBRICATED SILICONE
RING SEAL	ROYAL BLUE	INHERENTLY LUBRICATED SILICONE
PLR	NATURAL	SPS/NYLON GF20
CPA	RED	PBT GF30
GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
HOUSING KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION D	GREEN	SPS/NYLON GF20
HOUSING KEYING OPTION C	BROWN	SPS/NYLON GF20
HOUSING KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
HOUSING KEYING OPTION A	BLACK	SPS/NYLON GF20
DESCRIPTION	COLOR	MATERIAL
BOM/APPLICABLE COMPONENTS TABLE		

LEGEND TABLE	
ABREVIATION	COMPONENT
A	HOUSING KEY A
B	HOUSING KEY B
C	HOUSING KEY C
D	HOUSING KEY D
GCO	GROMMET CAP (OPEN)
GCP	GROMMET CAP (PLUGGED)
M	MAT SEAL
R	RING SEAL
P	PLR, STANDARD
CPA	CPA

SEE REV. COLUMN
SEC NO: UAU2014-1363
DRAWN BY: CHKO
DATE: 2014/03/05
CHKD: APPR: WOSHY
DATE: 2014/03/05

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 ± 3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY: MDICK
DATE: 2012/06/01
CHECKED BY: DATE
APPROVED BY: DATE

SCALE
2:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
MX150 1X5 RECEPTACLE SEALED ASSEMBLY MAT SEAL

molex

MATERIAL NO. SEE BOM
DOCUMENT NO. SD-33471-051
SHEET NO. 4 OF 5

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

tb_frame.D_P_AM.T
Rev. 5 2012/01/11

(M7)	KEY A W/CPA, YELLOW	33471-0542	A	B	C	D	E	F	G	GCO	GCP	CPA	1	2	3	4	5	SALEABLE														
	ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER											BLOCKED TERMINAL					STATUS			COMMENTS											
													CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION																			
													CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																			
																						MAT SEAL		ROYAL BLUE	INHERENTLY LUBRICATED SILICONE							
																						RING SEAL		ROYAL BLUE	INHERENTLY LUBRICATED SILICONE							
																						PLR		NATURAL	SPS/NYLON GF20							
																						CPA		RED	PBT GF30							
																						GROMMET CAP (PLUGGED)		BLACK	SPS/NYLON GF20							
																						GROMMET CAP (OPEN)		BLACK	SPS/NYLON GF20							
																						HOUSING KEYING OPTION A		YELLOW	SPS/NYLON GF20							
																						HOUSING KEYING OPTION D		STONE GRAY	SPS/NYLON GF20							
																						HOUSING KEYING OPTION C		DARK GRAY	SPS/NYLON GF20							
																						HOUSING KEYING OPTION D		GREEN	SPS/NYLON GF20							
																						HOUSING KEYING OPTION C		BROWN	SPS/NYLON GF20							
																						HOUSING KEYING OPTION B		LIGHT GRAY	SPS/NYLON GF20							
																						HOUSING KEYING OPTION A		BLACK	SPS/NYLON GF20							
																									DESCRIPTION		COLOR	MATERIAL				
BOM/APPLICABLE COMPONENTS TABLE																																

ENTER DESCRIPTION EC NO. IAU2014-1363 DRAWING (CHKD) APPR: WDSHY 2014/03/08 2014/03/05		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±0.1</td><td>±0.004</td></tr><tr><td>3 PLACES</td><td>±0.1</td><td>±0.004</td></tr><tr><td>2 PLACES</td><td>±0.10</td><td>±0.004</td></tr><tr><td>1 PLACE</td><td>±0.2</td><td>±0.008</td></tr><tr><td>0 PLACE</td><td>±0.2</td><td>±0.008</td></tr></table> ANGULAR ± 3°		mm	INCH	4 PLACES	±0.1	±0.004	3 PLACES	±0.1	±0.004	2 PLACES	±0.10	±0.004	1 PLACE	±0.2	±0.008	0 PLACE	±0.2	±0.008	DIMENSION STYLE MM ONLY DRAWN BY DATE MDICK 2012/06/01 CHECKED BY DATE APPROVED BY DATE MATERIAL NO. SIZE D	SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MX150 1X5 RECEPTACLE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33471-051	SHEET NO. 5 OF 5
	mm	INCH																						
4 PLACES	±0.1	±0.004																						
3 PLACES	±0.1	±0.004																						
2 PLACES	±0.10	±0.004																						
1 PLACE	±0.2	±0.008																						
0 PLACE	±0.2	±0.008																						
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																					