

Excellent Integrated System Limited

Stocking Distributor

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[Molex Connector Corporation](#)
[0334722006](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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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://ewcapuscarteams.org/>.

-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION (SEE PLR PRE-LOCK VIEW SHEET 5).

b. PRODUCT SPECIFICATION SEE:

-STANDARD CONFIGURATION (STD): PS-33472-000

-TRANSMISSION CONFIGURATION (TRNS):

CONTAINS SILICONE: TS-160038-0001

SILICONE FREE: TBD

-UL V0 CONFIGURATION (UL V0): TBD

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: GHS-699000-301

e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID:15255)

2. DESIGN - MATERIALS:

a. FOR BILL OF MATERIALS SEE:

-STANDARD CONFIGURATION SD-33472-0002

-TRANSMISSION CONFIGURATION

CONTAINS SILICONE: SD-160038-0002

SILICONE FREE: SD-160092-0002

-UL V0 CONFIGURATION SD-160074-0002

b. TRANSMISSION CONNECTOR COMPONENTS MUST MEET THE MATERIAL REQUIREMENTS SPECIFIED IN TS-160038-0001 & TBD

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.
2X2	PK-31300-635
2X3	PK-31300-903
2X4	PK-31300-903
2X6	PK-31300-903
2X8	PK-31300-903
2X10	PK-31300-903

MATING INTERFACE/CONNECTOR DRAWINGS

DESCRIPTION	INTERFACE DEFINITION	MOLEX INLINE
STANDARD 2X2	150-S-004-2-Z02	SD-33482-0001
UL V0 2X2	150-S-004-2-Z02	SD-33482-0001
STANDARD 2X3	150-S-006-2-Z02	SD-33482-0001
TRANSMISSION 2X3	150-S-006-2-Z02	N/A
STANDARD 2X4	150-S-008-2-Z02	SD-33482-0001
UL V0 2X4	150-S-008-2-Z02	SD-33482-0001
STANDARD 2X6	150-S-012-2-Z01	SD-33482-0001
STANDARD 2X8	150-S-016-2-Z01	SD-33482-0001
STANDARD 2X10	SD-33472-0001	SD-33482-0001
UL V0 2X10	SD-33472-0001	SD-33482-0001

2x2

2x3

2x4

2x6

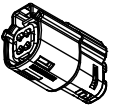
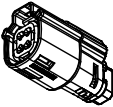
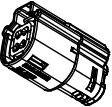
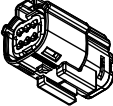
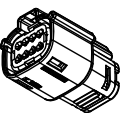
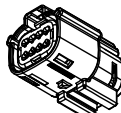
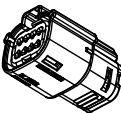
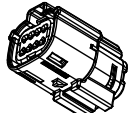
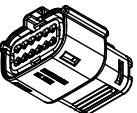
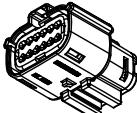
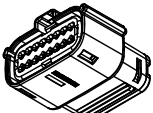
2x8

2x10

INSPECTION NUMBER LOG

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A			INITIAL RELEASE

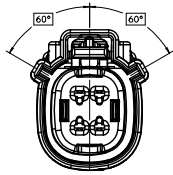
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	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																																																		
H	SHEET DESCRIPTION CONFIGURATIONS																				H																																																	
L	 2X2 - STD. 2X2 - TRNS. - SILICONE FREE †																				L																																																	
K	 2X2 - STD. - LENGTHENED																				K																																																	
J	 † 2X2 - UL V0																				J																																																	
I	 2X3 - STD. 2X3 - TRNS. - CONTAINS SILICONE †																				I																																																	
H	 2X3 - STD. - WITH CLIPSLOT *																				H																																																	
G	 2X4 - STD.																				G																																																	
F	 2X4 - STD. - WITH CLIPSLOT *																				F																																																	
E	 † 2X4 - UL V0																				E																																																	
D	 † 2X4 - UL V0 - WITH CLIPSLOT *																				D																																																	
C	 2X6 - STD.																				C																																																	
B	 2X6 - STD. - WITH CLIPSLOT *																				B																																																	
A	 2X8 - STD.																				A																																																	
	 2X10 - STD.																																																																					
	 † 2X10 - UL V0																																																																					
	* WITH CLIPSLOT CONFIGURATION DOES NOT MEET THE USCAR PACKAGING FRAME REQUIREMENTS † MINOR GEOMETRY DIFFERENCE THAN STANDARD CONFIGURATION. SEE NOTES 1a & 2a-b FOR MORE INFORMATION																																																																					
	<table><tr><td rowspan="6"> ENTER DESCRIPTION EC NO. 0334722006-5539 DRWS. DTG 2016/05/24 CHKD. CHYD. APPROVED/OKI REV. A11 </td><td rowspan="6"> QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0 </td><td colspan="2" rowspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td>mm</td><td>INCH</td><td colspan="2" rowspan="4">DIMENSION STYLE</td><td>MM ONLY</td><td>DRAWN BY</td><td>DATE</td><td>SCALE</td><td>DESIGN UNITS</td><td rowspan="6"> THIRD ANGLE PROJECTION </td></tr><tr><td>4 PLACES ±---</td><td>±---</td><td>APPROF/ITT</td><td>2014/05/14</td><td>TITLE</td><td>1:5:1</td><td>METRIC</td></tr><tr><td colspan="2" rowspan="2">ANGULAR ± 1 °</td><td>3 PLACES ±---</td><td>±---</td><td>CHECKED BY</td><td>DATE</td><td colspan="4" rowspan="2">MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33472-0001 SHEET NO. 2 OF 9</td></tr><tr><td>2 PLACES ±0.10</td><td>±---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td colspan="2" rowspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2" rowspan="2">SEE NOTE 2a.</td><td>1 PLACE ± 0.2</td><td>±---</td><td colspan="2" rowspan="2">NATURAL NO.</td><td colspan="2" rowspan="2">SIZE</td><td colspan="4" rowspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td>0 PLACE ±---</td><td>±---</td></tr></table>																		ENTER DESCRIPTION EC NO. 0334722006-5539 DRWS. DTG 2016/05/24 CHKD. CHYD. APPROVED/OKI REV. A11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		mm	INCH	DIMENSION STYLE		MM ONLY	DRAWN BY	DATE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	4 PLACES ±---	±---	APPROF/ITT	2014/05/14	TITLE	1:5:1	METRIC	ANGULAR ± 1 °		3 PLACES ±---	±---	CHECKED BY	DATE	MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33472-0001 SHEET NO. 2 OF 9				2 PLACES ±0.10	±---	APPROVED BY	DATE	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE NOTE 2a.		1 PLACE ± 0.2	±---	NATURAL NO.		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				0 PLACE ±---	±---	
ENTER DESCRIPTION EC NO. 0334722006-5539 DRWS. DTG 2016/05/24 CHKD. CHYD. APPROVED/OKI REV. A11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		mm	INCH	DIMENSION STYLE		MM ONLY	DRAWN BY	DATE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																																																									
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						0 PLACE ±---	±---																																																															

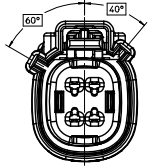
SHEET DESCRIPTION

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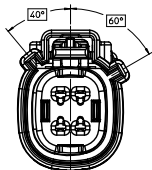
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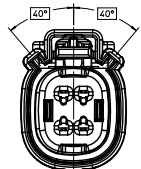
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KEY B

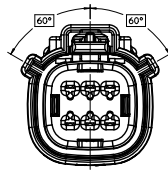


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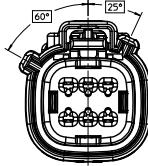


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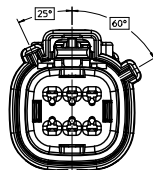
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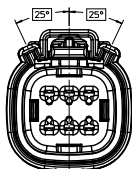
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KEY B

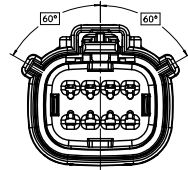


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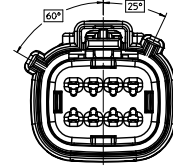


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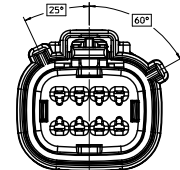
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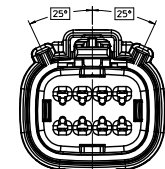
KEY A



KEY B



KEY C



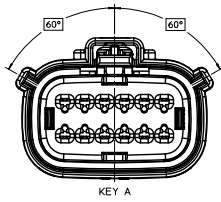
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		mm INCH		DRAWN BY DATE APPROFIT T 2014/05/14		TITLE MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL				SHEET NO. 3 OF 9	
		4 PLACES ±.--- ±.--- 3 PLACES ±.--- ±.--- 2 PLACES ±0.10 ±.--- 1 PLACE ±0.2 ±.--- 0 PLACE ±.--- ±.---		CHECKED BY DATE APPROVED BY DATE WKOSHY 2014/06/27							
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE NOTE 2a. SIZE 11 INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO. SD-33472-0001					

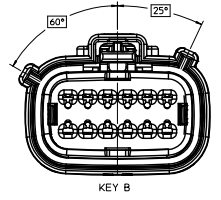
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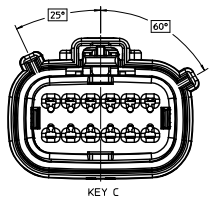
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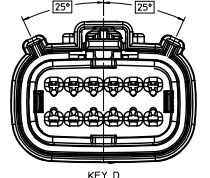
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KEY B

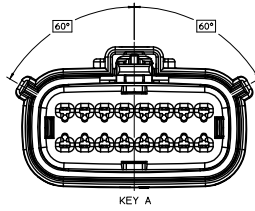


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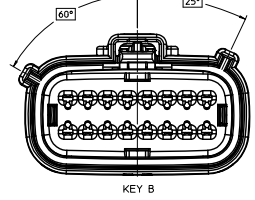


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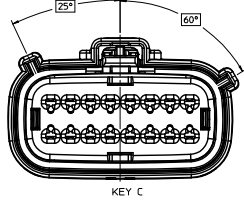
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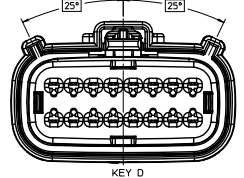
KEY A



KEY B

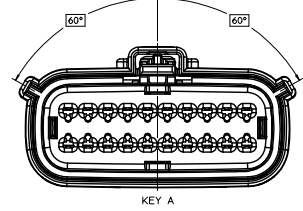


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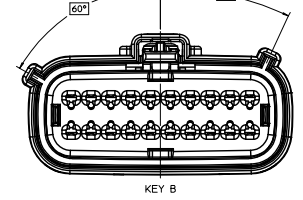


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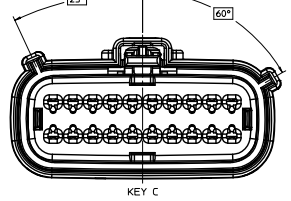
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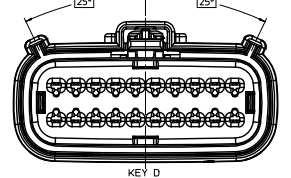
KEY A



KEY B



KEY C



KEY D

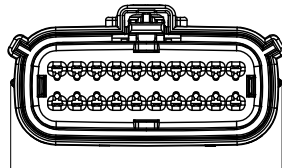
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	mm	INCH																									
4 PLACES	±---	±---																									
3 PLACES	±---	±---																									
2 PLACES	±0.10	±---																									
1 PLACE	±0.2	±---																									
0 PLACE	±---	±---																									
ANGULAR ± 1° SIZE 11		SEE NOTE 2a.		DOCUMENT NO. SD-33472-0001		SHEET NO. 4 OF 9																					
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

RECEPTACLE CONNECTOR ASSEMBLY

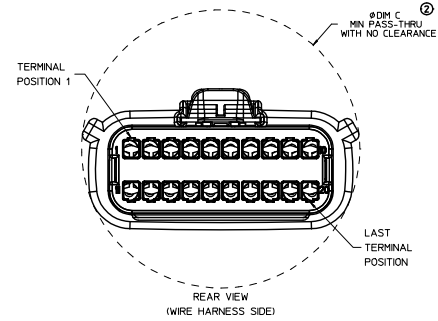
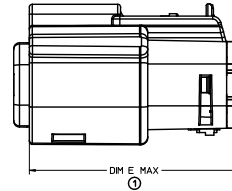
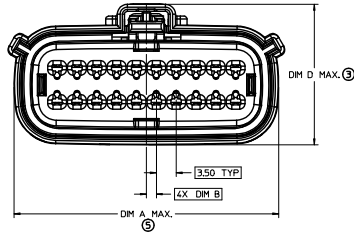
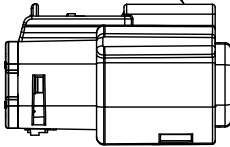
CHARTED DIMENSIONS

DESCRIPTION	DIMENSIONS							
	A	B	C	D	E	F	G	J
2X2 STANDARD	18.58	1.75	25.45	24.81	37.65	N/A	2.75±0.50	20.04
2X2 LENGTHENED	18.58	1.75	25.45	24.81	42.25	N/A	2.75±0.50	
2X3 W/ CLIPSLOT	22.25	3.50	30.50	N/A	37.65	27.96	4.0±0.4	
2X3 W/O CLIPSLOT	22.25	3.50	26.24	24.90	37.65	N/A	4.0±0.4	
2X4 W/ CLIPSLOT	25.75	1.75	31.50	N/A	37.65	28.00	2.75±0.50	27.04
2X4 W/O CLIPSLOT	25.75	1.75	29.19	24.81	37.65	N/A	2.75±0.50	27.04
2X6 W/ CLIPSLOT	32.75	1.75	35.58	N/A	37.65	27.76	2.75±0.50	
2X6 W/O CLIPSLOT	32.75	1.75	35.58	24.90	37.65	N/A	2.75±0.40	
2X8 W/O CLIPSLOT	39.80	1.75	42.25	24.90	37.65	N/A	4.0±0.4	
2X10 W/O CLIPSLOT	46.75	1.75	49.05	24.90	37.65	N/A	2.75±0.50	48.04



• DIM J MAX.
• APPLIES TO UL-V0 CONFIGURATIONS ONLY

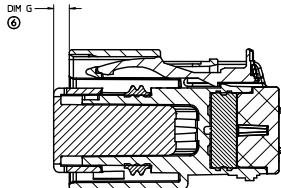
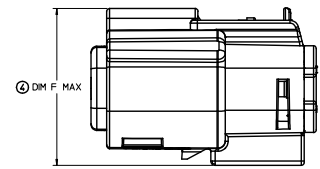
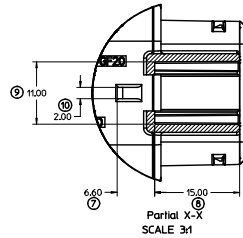
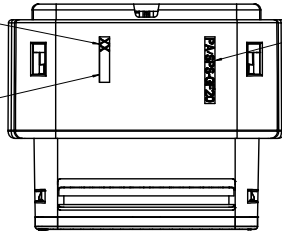
LASER MARKING ON THIS SURFACE
SEE NOTE 3g.



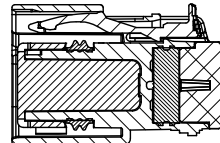
MOLD CAVITY ID.
THIS LOCATION

RECYCLE CODE
THIS LOCATION

MANUFACTURING LOCATION
CODE THIS LOCATION



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



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

ENTER DESCRIPTION REF. NO. 0334722006-5539 DATE 2014/05/14 CHKD: A11 APPROVED: KOSHY	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-0001	SHEET NO. 5 OF 9
		mm	INCH	DRAWN BY ARPROF1 TT	DATE 2014/05/14						
		4 PLACES ±---	±---	CHECKED BY	DATE						
		2 PLACES ±0.10	±---	APPROVED BY	DATE						
		1 PLACE ±0.2	±---	W/ KOSHY	DATE 2014/06/27						
		0 PLACE ±---	±---	MATERIAL NO.							
		ANGULAR ± 1°		SEE NOTE 2a.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		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
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SHEET DESCRIPTION
BACKSHELL NOTES

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

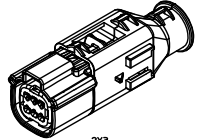
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-0001.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY.
 - BACKSHELL DESIGN IS OWNED BY SCHLEMMER.
 - FOR ADDITIONAL INFORMATION SEE THE BACKSHELL COMPONENT DRAWING SD-34951-0001.

BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

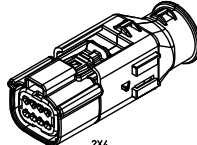
34951-XXXX

- 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 RBS
 - 2 - WITHOUT RBS

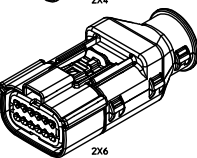
MX150 CIRCUIT SIZE 04, 06, 08, 12, 16, 20



ZK3

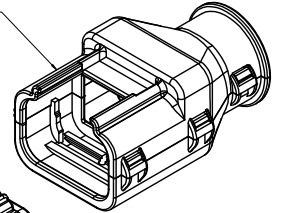


ZK4

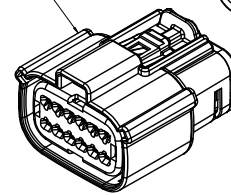


ZK6

BACKSHELL (BKS)



RECEPTACLE SEALED ASSEMBLY

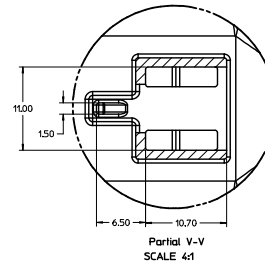
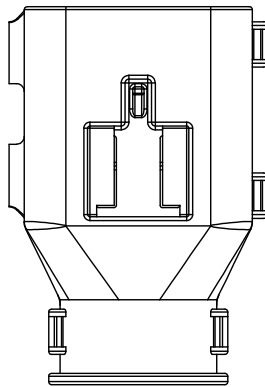
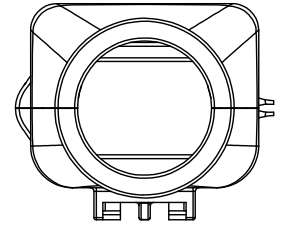
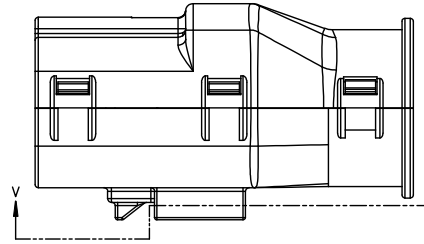
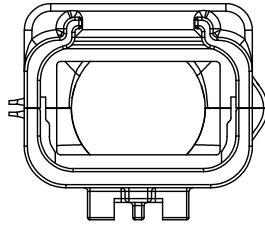
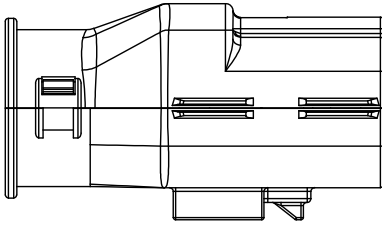


ENTER DESCRIPTION LAUDING-1539 DRAWING CHKD: A11	DESCRIPTION 2014/05/03 2014/05/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-0001	SHEET NO. 6 OF 9
4 PLACES ± ---	mm	INCH	DRAWN BY APPROVED BY CHECKED BY	DATE 2014/05/14 DATE								
3 PLACES ± 0.10	± ---											
2 PLACES ± 0.2	± ---											
1 PLACE ± 0.2	± ---											
0 PLACE ± ---	± ---											
ANGULAR ± 1 °			APPROVED BY WKSCH		DATE 2014/06/27							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE NOTE 2a.		SD-33472-0001							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

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

BACKSHELL

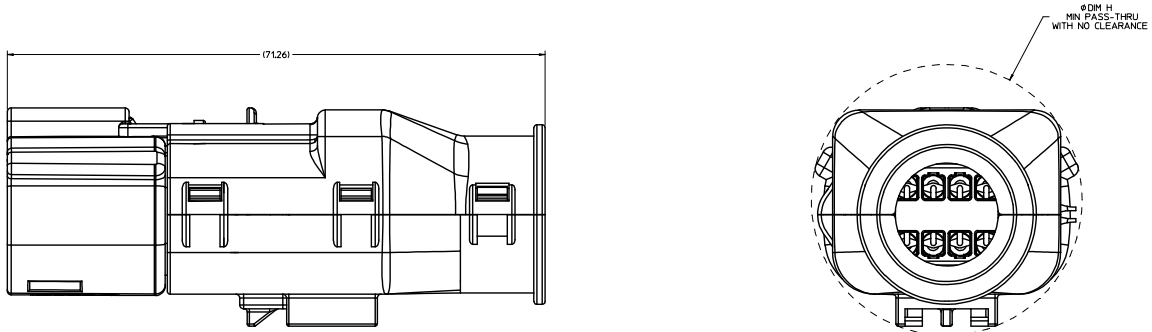


ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO. UAI2006-1539		DRAWN BY DATE		mm INCH		MM ONLY		4:1	METRIC	DATE	
DRAWN BY DATE		APPROVED BY DATE		4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE		2014/05/14	
CHECKED BY DATE		APPROVED BY DATE		3 PLACES ± --- ± ---		CHECKED BY DATE		MX150 RCPT		2014/05/14	
APPROVED BY DATE		APPROVED BY DATE		2 PLACES ± 0.10 ± ---		APPROVED BY DATE		DUAL ROW SEALED ASSEMBLY		DATE	
APPROVED BY DATE		APPROVED BY DATE		1 PLACE ± 0.2 ± ---		APPROVED BY DATE		MAT SEAL		2014/06/27	
APPROVED BY DATE		APPROVED BY DATE		0 PLACE ± --- ± ---		APPROVED BY DATE		molex		2014/06/27	
APPROVED BY DATE		APPROVED BY DATE		ANGULAR ± 1 °		APPROVED BY DATE		DOCUMENT NO.		SD-33472-0001	
APPROVED BY DATE		APPROVED BY DATE		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY DATE		SHEET NO.		7 OF 9	
APPROVED BY DATE		APPROVED BY DATE		SIZE 1		APPROVED BY DATE		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
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SHEET DESCRIPTION
BACKSHELL CONFIGURATIONS

CHARTED DIMENSIONS	
DESCRIPTION	DIMENSIONS
	H
2X2 STANDARD	TBD
2X2 LENGTHENED	TBD
2X3 W/ CLIPSLOT	TBD
2X3 W/O CLIPSLOT	28.50
2X4 W/ CLIPSLOT	TBD
2X4 W/O CLIPSLOT	30.75
2X6 W/ CLIPSLOT	TBD
2X6 W/O CLIPSLOT	35.83
2X8 W/O CLIPSLOT	TBD
2X10 W/O CLIPSLOT	TBD



RECEPTACLE SEALED ASSEMBLY WITH RECEPTACLE BACKSHELL

ENTER DESCRIPTION EC NO. 0334722006-1539 CHKD: APPROVED: 2014/05/14 A11	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE MX150 RCPT DUAL ROW SEALED ASSEMBLY MAT SEAL molex	DOCUMENT NO. SD-33472-0001	SHEET NO. 8 OF 9
		mm	INCH	MM ONLY	DATE						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	▽=0	4 PLACES ±.005	±.005	DRAWN BY	2014/05/14	APPROVED BY VKOSHY	DATE 2014/06/27	MATERIAL NO.	SEE NOTE 2a	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		3 PLACES ±.010	±.010	CHECKED BY							
		2 PLACES ±.020	±.020	APPROVED BY							
		1 PLACE ±.040	±.040	DATE							

