



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

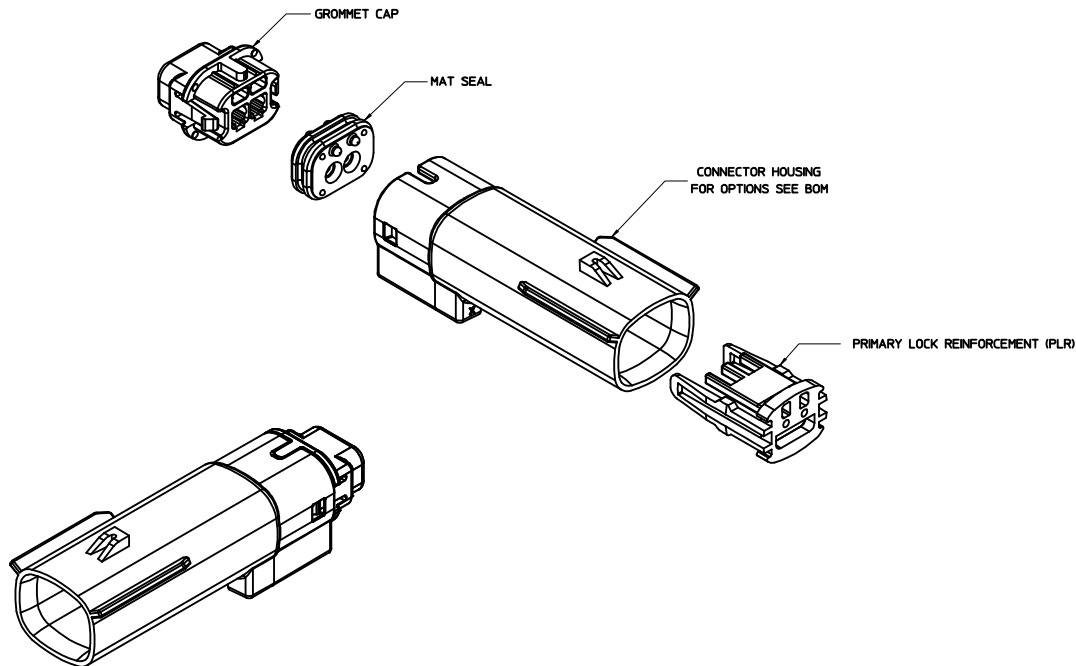
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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




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| 7 | BACKSHELL CONFIGURATIONS |
| 8 | BOM |



NOTES: VALID UNLESS OTHERWISE SPECIFIED

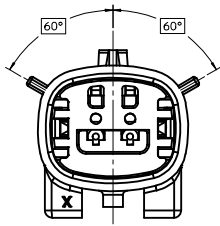
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-33472-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33471-021.
-FOR 15mm BLADE TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33000-001.
- SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.2mm TO 2.69mm.
-ASSEMBLY SHIPPED WITH PLR IN PRE-LOCK POSITION
-IN THE EVENT THAT THE PLR IS FOUND IN THE SEATED (FINAL LOCK) POSITION, REFER TO MOLEX SPECIFICATION PS-34646-001, AVAILABLE AT www.molex.com <<http://www.molex.com>>
-ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 WITH THE FOLLOWING EXCEPTIONS:
TERMINAL INSERTION FORCE FOR WIRE DIAMETER ABOVE 2.5mm NOT EXCEEDING 2.69mm SHALL NOT EXCEED 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-31300-635
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#19295)
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 0.2 MAX.
- e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- g. LASER MARKING: TBD

INSPECTION LOG
LAST NUMBER USED: 57
ADDED:
REMOVED:

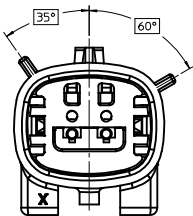
| | | | |
|--------------|------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|
| A10 | ADD NEW P/N 33481-0210 | | |
| A9 | UPDATED VIEWSET & NOTES | | |
| A8 | RENAMED BACKSHELLS | | |
| A7 | REMOVED DIMENSION 57 | | |
| A6 | UPDATED NOTES | | |
| A5 | UPDATED P/N ORDER IN BOM | | |
| A4 | REDRAWN, ADDED BACKSHELL | | |
| REV | DESCRIPTION | | |
| SCALE 3:1 | DESIGN UNITS METRIC |  | THIRD ANGLE PROJECTION |
| TITLE | MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL | | |
| molex | | | |
| DOCUMENT NO. | SD-33481-021 | | SHEET NO. 1 OF 8 |

| | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------|------------------------------------------|---------------|-------|--------------|----------------------------|---------------------|-----------------|--------------|-------------------------------------------------------------------------|--|---------------------------|--|
| ENTER DESCRIPTION DEC NO: UAU2014-1319 DRAWN BY CHKD: APPR: WOSHY A10 | 2014/02/21 2014/02/25 | 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 M. VANS LAMBRO | | DATE 9/16/08 | | TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex | | | |
| | | | 4 PLACES ± --- | | ± --- | | CHECKED BY | | DATE | | | | | |
| | | | 3 PLACES ± --- | | ± --- | | MVANS LAMBROU | | 2012/07/12 | | | | | |
| | | | 2 PLACES ± 0.10 | | ± --- | | APPROVED BY | | DATE | | | | | |
| | | | 1 PLACE ± 0.20 | | ± --- | | VKOSHY | | 2010/03/16 | | | | | |
| 0 PLACE ± --- | | ± --- | | ANGULAR ± 3 ° | | MATERIAL NO. | | DOCUMENT NO. | | SD-33481-021 | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SIZE D | | SEE BOM | | | | SHEET NO. 1 OF 8 | | | | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | |

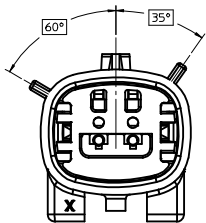
KEY CONFIGURATIONS



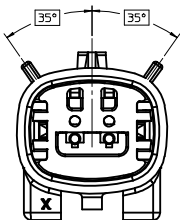
KEY A




KEY B



KEY C



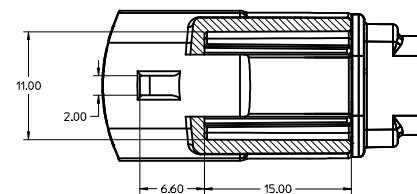
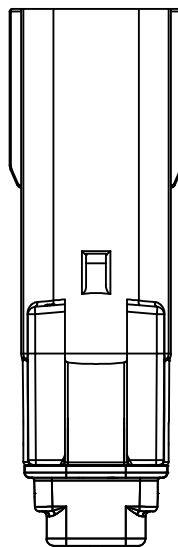
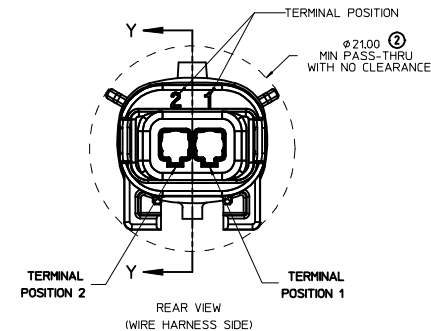
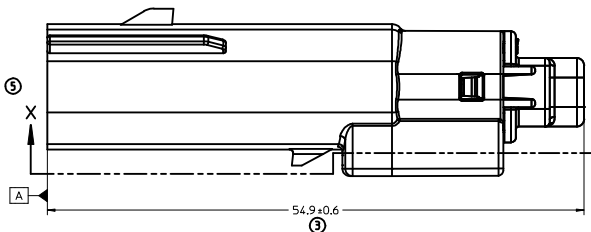
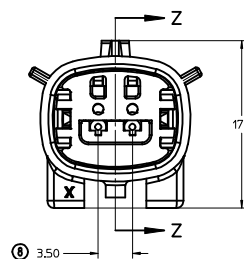
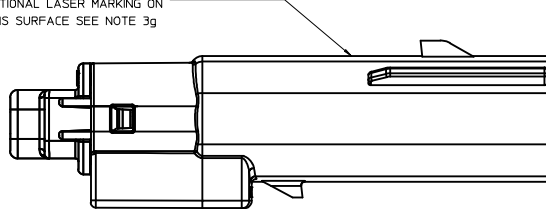
KEY D

| | | | | | | | | | | | | | | |
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| ENTER DESCRIPTION EC. NO. UAU2014-1319 DRAWN BY CHKD: APPR: VKOSHY A10 | 2014/02/21 2014/02/25 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | DIMENSION STYLE MM ONLY | | SCALE 4:1 | DESIGN UNITS METRIC |  THIRD ANGLE PROJECTION | TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex | | |
| | | | mm | | INCH | | DRAWN BY | DATE | 9/16/08 | | | | | |
| | | | 4 PLACES ± --- ± --- | | M. VANS LAMBRO | | | | | | | | | |
| | | | 3 PLACES ± --- ± --- | | CHECKED BY | | | | | | | | | |
| | | | 2 PLACES ± 0.10 ± --- | | MYANSLAMBROU | | | | | | | | | |
| | | | 1 PLACE ± 0.20 ± --- | | APPROVED BY | | DATE | | | | | | | |
| | | | 0 PLACE ± --- ± --- | | VKOSHY | | 2010/03/16 | | | | | | | |
| | | | ANGULAR ± 3 ° | | | | MATERIAL NO. | | DOCUMENT NO. | | | | | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | SEE BOM | | SD-33481-021 | | | | SHEET NO. 2 OF 8 | |
| | | | SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | |

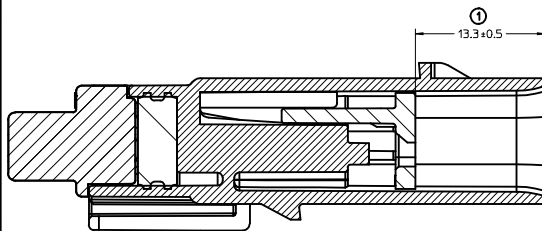
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BLADE SEALED ASSEMBLY

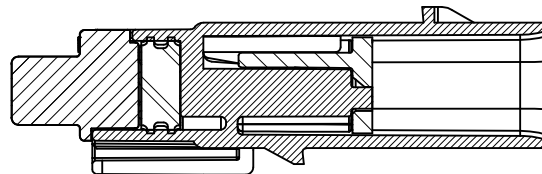
OPTIONAL LASER MARKING ON
THIS SURFACE SEE NOTE 3g




Partial X-X



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

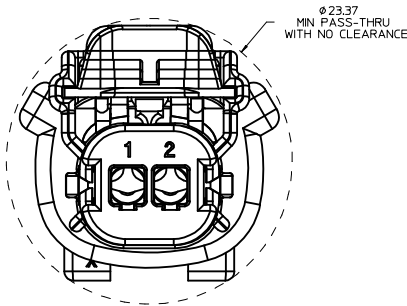
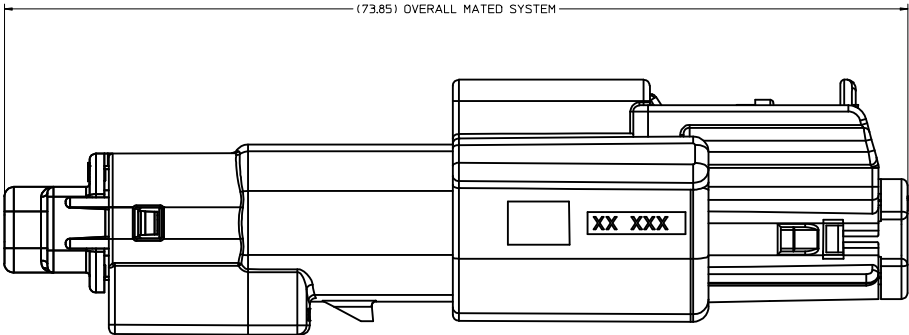


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION
SECTION Y-Y

| | | | | | | | | |
|---------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|-----------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: VKOSHY REV A10 | 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 DATE | | TITLE | | |
| | | 4 PLACES + - - - - + - - - - | | M. VANS LAMBRO 9/16/08 | | MX150 1X2 BLADE | | |
| | | 3 PLACES + - - - - + - - - - | | CHECKED BY DATE | | SEALED ASSEMBLY | | |
| | | 2 PLACES + 0.10 - - - - - | | MYVANS LAMBROU 2012/07/12 | | MAT SEAL | | |
| 1 PLACE + 0.20 - - - - - | | APPROVED BY DATE | | molex | | | | |
| 0 PLACE + - - - - + - - - - | | VKOSHY 2010/03/16 | | | | | | |
| ANGULAR ± 3 ° | | MATERIAL NO. | | | | | DOCUMENT NO. | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE BOM | | SD-33481-021 | | | SHEET NO. 3 OF 8 | |
| SIZE D | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |

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SYSTEM PACKAGING

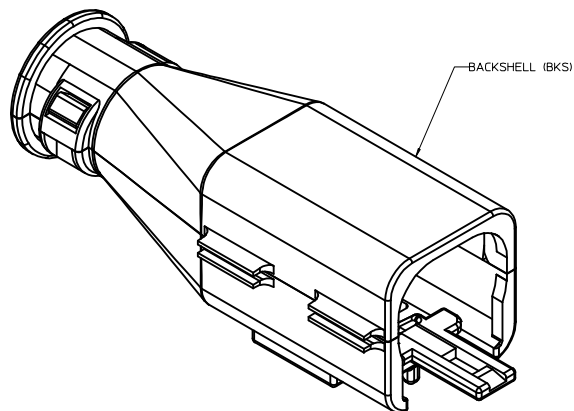


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| ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: VKOSHY A10 | 2014/02/21 2014/02/25 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | | | | DRAWN BY DATE M. VANSAMBRO 9/16/08 | | TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL | | | |
| | | | | | CHECKED BY DATE MVANSAMBRO 2012/07/12 | | | | | |
| | | | | | APPROVED BY DATE VKOSHY 2010/03/16 | | | | | |
| | | | | | MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | |
| | | | ANGULAR ± 3 ° | | SEE BOM | | SD-33481-021 | | 4 OF 8 | |
| | | | 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 | | | |
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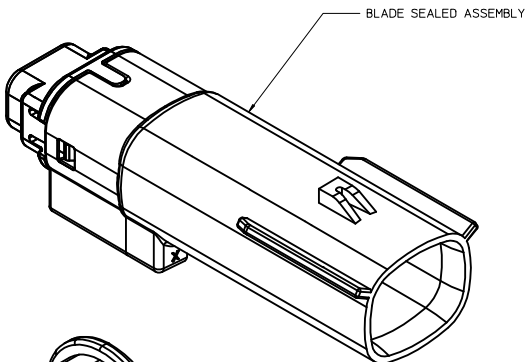
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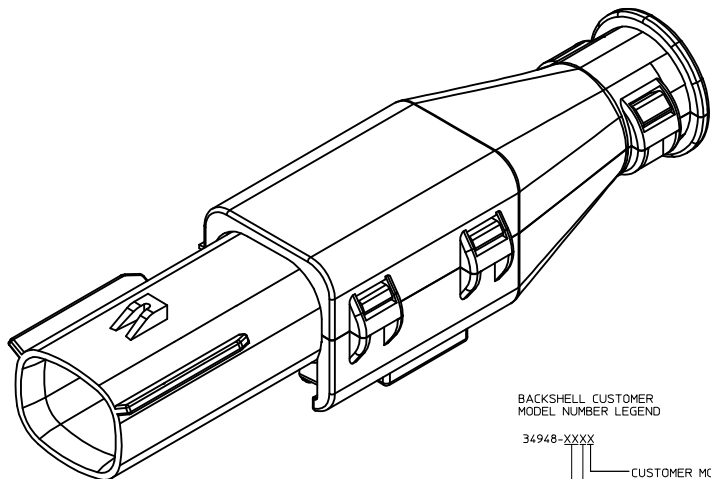
BACKSHELL NOTES



BACKSHELL (BKS)



BLADE SEALED ASSEMBLY



BACKSHELL CUSTOMER
MODEL NUMBER LEGEND

34948-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

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

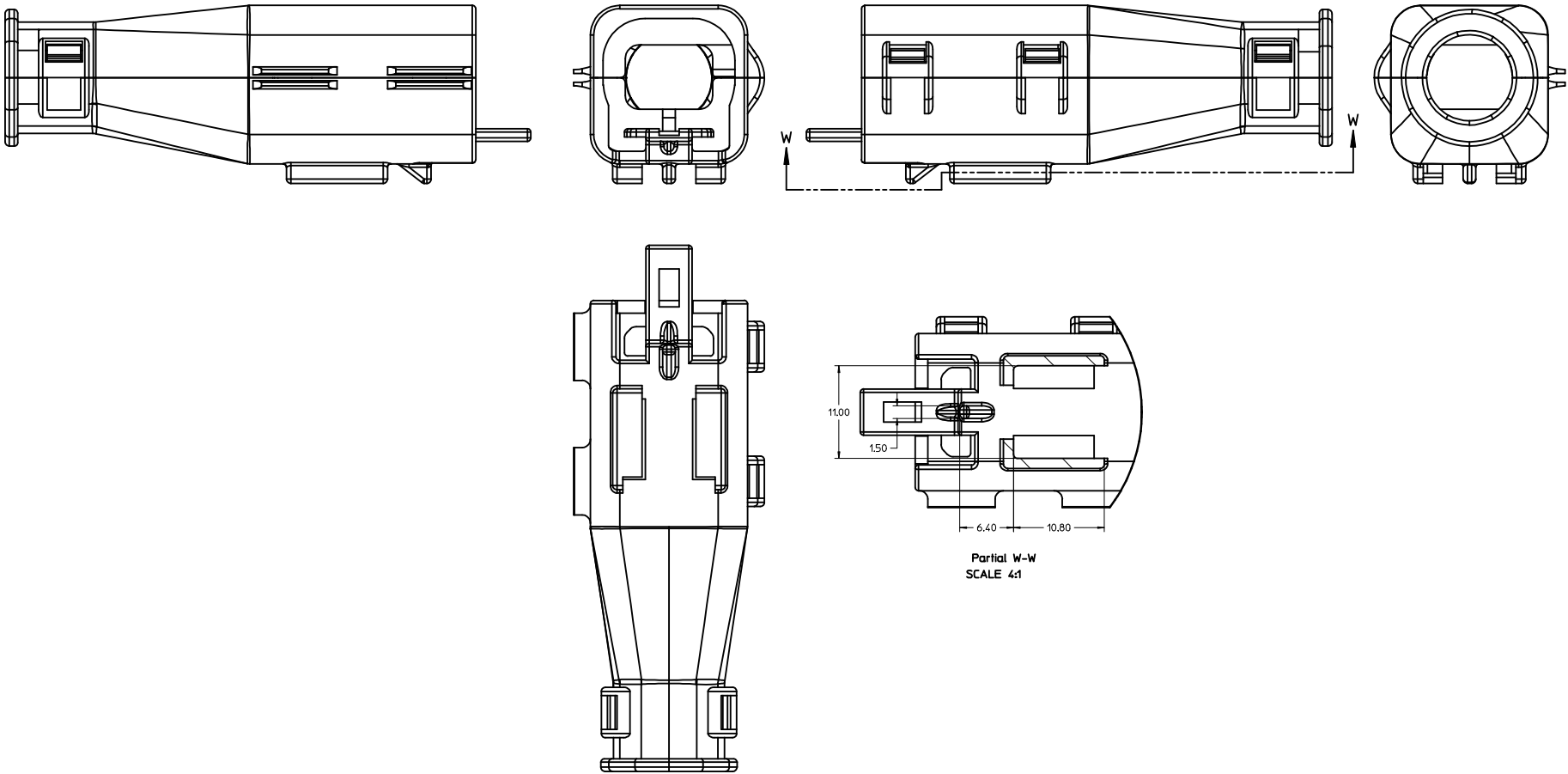
1. GENERAL:

- Q. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY SPECIFIED IN MOLEX DRAWING SD-33472-021.
 - SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 12mm 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-34948-0001.


| | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------|------------------------------------------------------------|--|------|--|----------------------------------------------|--|--------------|------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------|---------------------|
| ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY: CHYK CHKD: APPR: WKSHY REV: A10 | 2014/02/21 2014/02/25 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | DIMENSION STYLE MM ONLY | | SCALE 4:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL molex DOCUMENT NO. SD-33481-021 | SHEET NO. 5 OF 8 |
| | | | mm | | INCH | | DRAWN BY DATE M. VANS LAMBRO 9/16/08 | | | | | | |
| | | | 4 PLACES ± --- ± --- | | | | CHECKED BY DATE MYVANS LAMBROU 2012/07/12 | | | | | | |
| | | | 3 PLACES ± --- ± --- | | | | APPROVED BY DATE VKOSHY 2010/03/16 | | | | | | |
| | | | 2 PLACES ± 0.10 ± --- | | | | MATERIAL NO. SEE BOM | | | | | | |
| | | | 1 PLACE ± 0.20 ± --- | | | | | | | | | | |
| | | | 0 PLACE ± --- ± --- | | | | | | | | | | |
| | | | ANGULAR ± 3 ° | | | | | | | | | | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | SIZE D | | | | | | |
| | | | | | | | | | | | | | |

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

BACKSHELL
THE VIEWS ON THIS SHEET ARE
IN THE CLOSED UN-ASSEMBLED POSITION

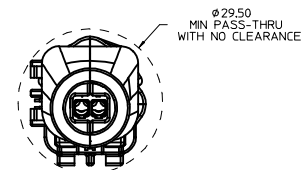
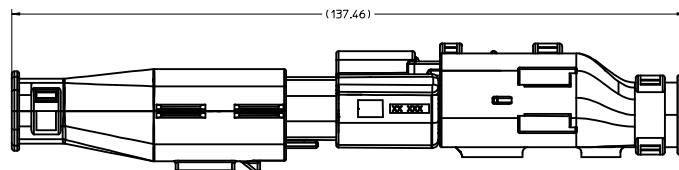


Partial W-W
SCALE 4:1

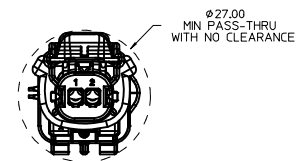
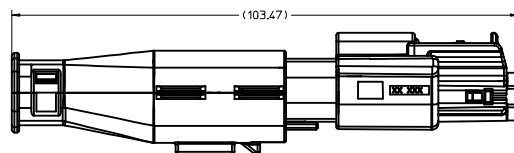
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| | | | MM ONLY | | 4:1 | METRIC |  | | |
| | | | | | TITLE | | MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL | | |
| | | | | | | | molex | | |
| | | | | | | | SHEET NO. 6 OF 8 | | |
| | | | | | | | SD-33481-021 | | |
| | | | | | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

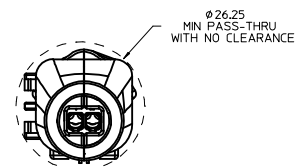
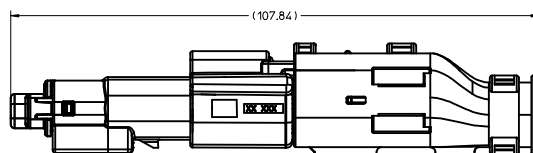
BACKSHELL CONFIGURATIONS



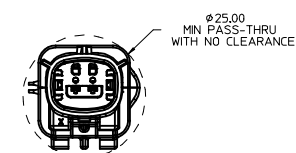
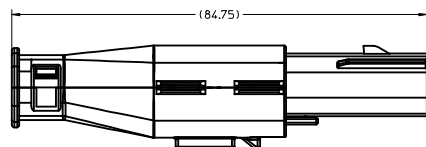
OVERALL MATED SYSTEM WITH BLADE AND RECEPTACLE BACKSHELL



OVERALL MATED SYSTEM WITH BLADE BACKSHELL



OVERALL MATED SYSTEM WITH RECEPTACLE BACKSHELL



BLADE SEALED ASSEMBLY WITH BLADE BACKSHELL

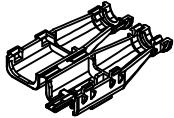
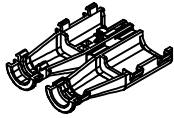
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| ENTER DESCRIPTION EC NO: UAU2014-1319 DRAWN BY CHKD: APPR: WOSHY A10 | 2014/02/21 2014/02/25 | QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| | | | | | | DRAWN BY M. VANSAMBRO | | DATE 9/16/08 | TITLE MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL | |
| | | | | | | CHECKED BY MVANSAMBROU | | DATE 2012/07/12 | | |
| | | | | | | APPROVED BY VKOSHY | | DATE 2010/03/16 | | |
| | | | | | | MATERIAL NO. SEE BOM | | DOCUMENT NO. SD-33481-021 | SHEET NO. 7 OF 8 | |
| | | | | | | ANGULAR ± 3° | | | | |
| | | 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 | | | | |

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

| | | |
|---------------------------------|------------|--------------------------------|
| MAT SEAL | RUST RED | INHERENTLY LUBRICATED SILICONE |
| PLR | NATURAL | SPS/NYLON GF20 |
| GROMMET CAP (CAVITY 2 PLUGGED) | BLACK | SPS/NYLON GF20 |
| 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 B | LIGHT GRAY | SPS/NYLON GF20 |
| HOUSING - KEYING OPTION A | BLACK | SPS/NYLON GF20 |
| DESCRIPTION | COLOR | MATERIAL |
| BOM/APPLICABLE COMPONENTS TABLE | | |

| LEGEND TABLE | |
|--------------|--------------------------------|
| ABBREVIATION | 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) |
| GCP2 | GROMMET CAP (CAVITY 2 PLUGGED) |
| P | PLR, STANDARD |
| M | MAT SEAL |
| BKS | BACKSHELL |

| ENTER DESCRIPTION EC NO.: IAL2014-439 CHKD: APPR: WOSHY DATE: 2014/07/12 DATE: 2014/07/25 REV: A10 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|------------------------|------|----------|------|------|----------|------|------|---------|-------|------|---------|-------|------|---------------------------------------|--|-------|------------------------------------------------|--|
| | $\nabla=0$ | <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>1 PLACE</td><td>±0.10</td><td>±---</td></tr><tr><td>0 PLACE</td><td>±0.20</td><td>±---</td></tr></table> | | mm | INCH | 4 PLACES | ±--- | ±--- | 3 PLACES | ±--- | ±--- | 2 PLACES | ±--- | ±--- | 1 PLACE | ±0.10 | ±--- | 0 PLACE | ±0.20 | ±--- | DRAWN BY DATE M.VANSLAMBRO 9/16/08 | | TITLE | MX150 1X2 BLADE SEALED ASSEMBLY MAT SEAL | |
| | | mm | INCH | | | | | | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | | | | | | |
| | 3 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | | | | | | |
| | 2 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ±0.10 | ±--- | | | | | | | | | | | | | | | | | | | | | | | |
| 0 PLACE | ±0.20 | ±--- | | | | | | | | | | | | | | | | | | | | | | | |
| $\nabla=0$ | | | CHECKED BY DATE MVANSI AMBROU 2012/07/12 | | | | | | | | | | | | | | | | | | | | | | |
| $\nabla=0$ | | | APPROVED BY DATE VKOSHY 2010/03/16 | | | | | | | | | | | | | | | | | | | | | | |
| | | ANGULAR ± 3 ° | | MATERIAL NO. | DOCUMENT NO. | SHEET NO. 8 OF 8 | | | | | | | | | | | | | | | | | | | |
| | | DRAFT WHEN APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE BOM | | SD-33481-021 | | | | | | | | | | | | | | | | | | | |
| | | SIZE D | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | | | | | |



1X2 BLADE

| TABLE OF CONTENTS | |
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| SHEET NO. | SHEET DESCRIPTION |
| 1 | NOTES AND BOM |
| 2 | CONFIGURATIONS |
| 3 | BACKSHELL DETAIL |

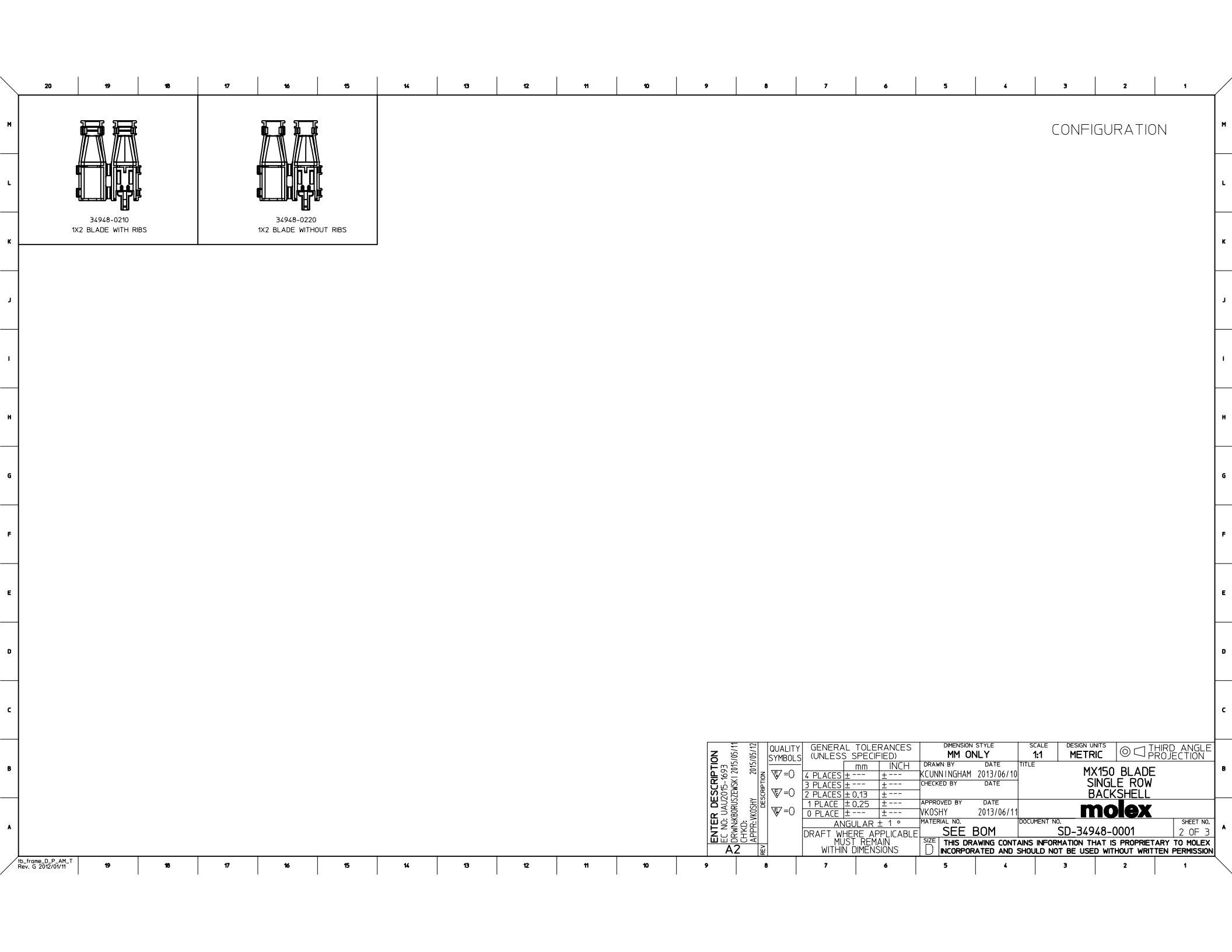
| BILL OF MATERIALS (BOM) | | | | |
|-------------------------|--------------|------|----------|-------------------------|
| PART NUMBER | CIRCUIT SIZE | RIBS | STATUS | MATING ASSEMBLY DRAWING |
| 34948-0210 | 1X2 | YES | SALEABLE | SD-33481-021 |
| 34948-0220 | 1X2 | NO | SALEABLE | SD-33481-021 |

BACKSHELL NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34951-001
- DESIGNED TO MATE WITH RECEPTACLE SEALED ASSEMBLY AS SPECIFIED IN BOM
 - COMPONENTS ARE OPTIONAL AND MUST BE PURCHASED SEPERATELY
 - BACKSHELL DESIGN IS OWNED BY SCHLEMMER
- b. PRODUCT SPECIFICATION
- THESE PRODUCTS ARE ONE TIME USE ONLY.
 - REMOVAL FORCE OF THE BACKSHELL FROM THE MOLEX CONNECTOR TO BE 100N MIN.
 - REMOVAL FORCE OF SLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
 - REMOVAL FORCE OF UNSLIT CONVOLUTE FROM THE WITH RIB OPTION BACKSHELLS TO BE 100N MIN.
- c. PACKAGING SPECIFICATION SEE PK-31302-118
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: OEHS-699000-300
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. FOLLOWING PRODUCTION CODES TO BE PRESENT
- DATE CODE
 - MOLD CAVITY CODE
 - MOLEX LOGO
 - RECYCLE CODE
 - SUPPLIER PART NUMBER
2. DESIGN - MATERIALS:
- a. PA66 0% GLASS FILLED
- b. BLACK
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 - 2009
- c. CORNERS SHOWN AS SHARP TO BE R 0.1.
- d. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B).
- e. DRAFT OF 2° PRESENT.
- f. ALLOWABLE FLASH, PARTING LINES MISMATCH, EJECTOR PINS MARK, AND GATE VESTIGE TO BE +0.30 MAX PROTUSION.

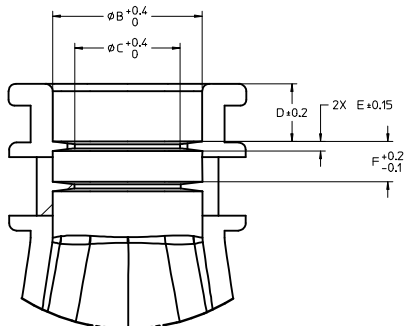
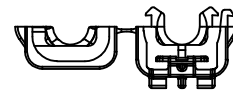
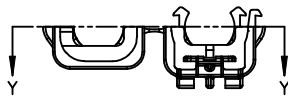
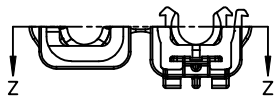
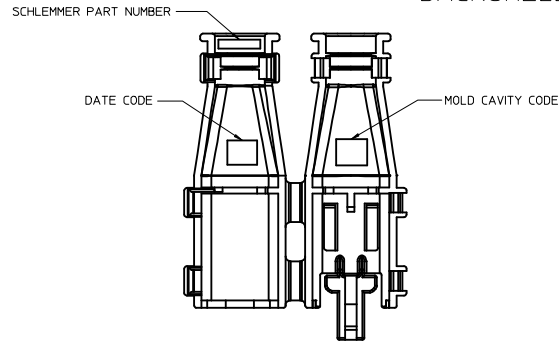
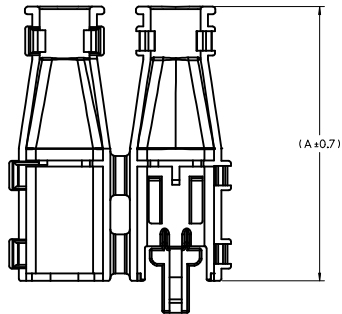
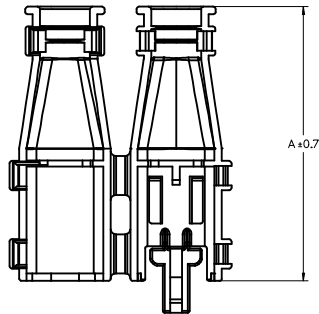
| | | | |
|--------------|--------------|----------------------------------------|--|
| A2 | | UPDATED BILL OF MATERIALS | |
| A1 | | UPDATED STATUS COLUMN | |
| A | | INITIAL RELEASE | |
| REV | DESCRIPTION | | |
| SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| 1.5:1 | METRIC | THIRD ANGLE PROJECTION | |
| TITLE | | MX150 BLADE SINGLE ROW BACKSHELL | |
| MATERIAL NO. | | SD-34948-0001 | |
| DOCUMENT NO. | | SD-34948-0001 | |
| SHEET NO. | | 1 OF 3 | |

| | | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------|-----------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|---------|
| ENTER DESCRIPTION IEC NO: UAU2015-1693 DRAWN BY: BORUSZENSKI 2015/05/11 CHKD: APPR: VKOSHY 2015/05/12 REV A2 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | DRAWN BY DATE | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| | | 4 PLACES ± mm INCH 3 PLACES ± INCH 2 PLACES ± 0.13 INCH 1 PLACE ± 0.25 INCH 0 PLACE ± INCH | MM ONLY | CHECKED BY DATE | APPROVED BY DATE VKOSHY 2013/06/11 | | | | |
| | | | | | | | ANGULAR ± 1 ° | MATERIAL NO. | SEE BOM |
| | | | | | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SIZE D | |

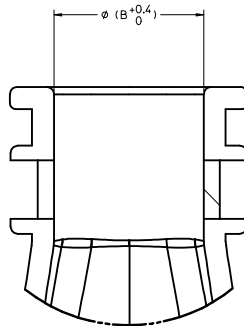


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

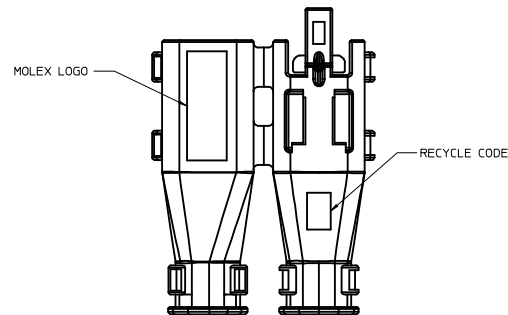
BACKSHELL DETAIL



Partial Z-Z
SCALE 6:1
WITH RIBS



Partial Y-Y
SCALE 6:1
WITHOUT RIBS



| PART NUMBER | DIMENSIONS | | | | | |
|----------------|------------|------|-----|-----|------|-----|
| | A | B | C | D | E | F |
| 34948-0210 | 56 | 10.2 | 7.2 | 3.9 | 0.65 | 2.7 |
| 34948-0220 | 56 | 10.2 | N/A | N/A | N/A | N/A |

| | | | | | |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| ENTER DESCRIPTION IEC NO: UAU2015-1693 DRAWN BY: BORUSZENSKI 2015/05/11 CHKD: WKOSHY APPR: WKOSHY REV: A2 | QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES \pm --- \pm --- 3 PLACES \pm --- \pm --- 2 PLACES \pm 0.13 \pm --- 1 PLACE \pm 0.25 \pm --- 0 PLACE \pm --- \pm --- ANGULAR \pm 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE MM ONLY DRAWN BY: KCUNNINGHAM CHECKED BY: DATE: 2013/06/10 APPROVED BY: WKOSHY DATE: 2013/06/11 MATERIAL NO.: SEE BOM SIZE: D | SCALE 3:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION | TITLE MX150 BLADE SINGLE ROW BACKSHELL molex DOCUMENT NO.: SD-34948-0001 SHEET NO.: 3 OF 3 |
| | | | | | |
| | | | | | |
| | | | | | |

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