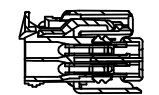
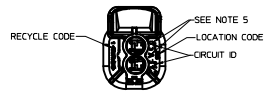
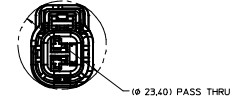
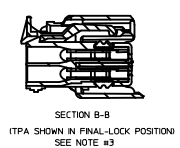
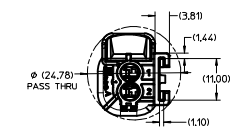
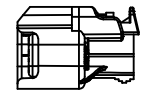
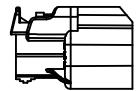
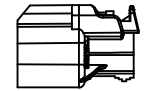
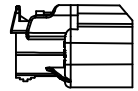
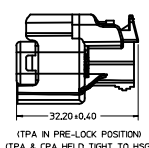
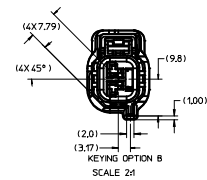
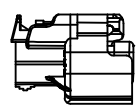
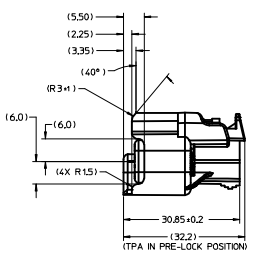
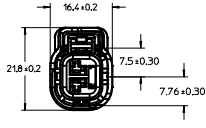
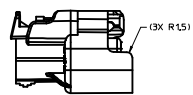
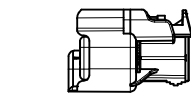
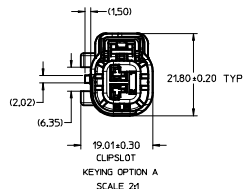
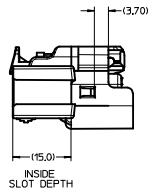
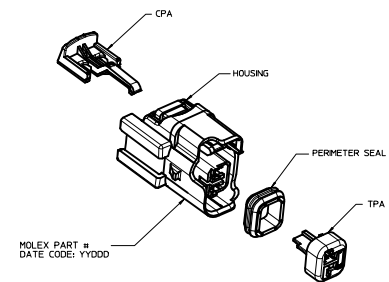
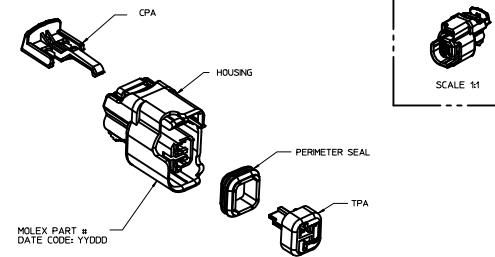
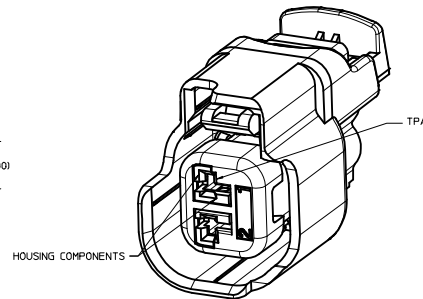
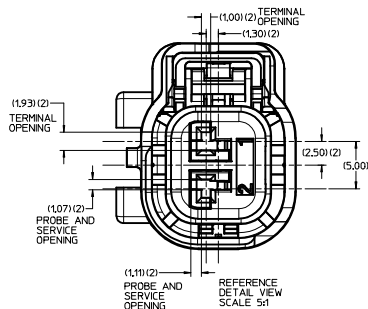


| ASSEMBLY<br>PART<br>NUMBER | COLOR | KEYING<br>OPTION | CPA | CLIPSLOT | TOOLED | STATUS<br>SEE NOTE 8                                  |
|----------------------------|-------|------------------|-----|----------|--------|-------------------------------------------------------|
| 34062-0001                 | BLACK | A                | NO  | NO       | YES    | OBSELETE                                              |
| 34062-0002                 | GRAY  | B                | NO  | NO       | YES    | OBSELETE                                              |
| 34062-0003                 | BLACK | C                | NO  | NO       | YES    | OBSELETE                                              |
| 34062-0004                 | BLACK | D                | NO  | NO       | YES    | OBSELETE                                              |
| 34062-0005                 | BLACK | A                | YES | NO       | YES    | OBSELETE                                              |
| 34062-0006                 | GRAY  | B                | YES | NO       | YES    | PLANNED FOR OBSOLESCENCE SEE REFERENCE P/N 34062-0026 |
| 34062-0007                 | BLACK | C                | YES | NO       | YES    | OBSELETE                                              |
| 34062-0008                 | BLACK | D                | YES | NO       | YES    | OBSELETE                                              |
| 34062-0009                 | GRAY  | D                | NO  | NO       | YES    | OBSELETE                                              |
| 34062-0010                 | GRAY  | D                | YES | NO       | YES    | OBSELETE                                              |
| 34062-0011                 | BLACK | A                | NO  | YES      | YES    | OBSELETE                                              |
| 34062-0012                 | GRAY  | B                | NO  | YES      | NO     | OBSELETE                                              |
| 34062-0013                 | BLACK | C                | NO  | YES      | NO     | OBSELETE                                              |
| 34062-0014                 | BLACK | D                | NO  | YES      | NO     | OBSELETE                                              |
| 34062-0015                 | BLACK | A                | YES | YES      | YES    | OBSELETE                                              |
| 34062-0016                 | GRAY  | B                | YES | YES      | NO     | OBSELETE                                              |
| 34062-0017                 | BLACK | C                | YES | YES      | NO     | OBSELETE                                              |
| 34062-0018                 | BLACK | D                | YES | YES      | NO     | OBSELETE                                              |
| 34062-0019                 | GRAY  | D                | NO  | YES      | NO     | OBSELETE                                              |
| 34062-0020                 | GRAY  | D                | YES | YES      | NO     | OBSELETE                                              |



SECTION C-C  
(TPA SHOWN IN PRE-LOCK POSITION)  
SEE NOTE #3

- NOTES: UNLESS OTHERWISE SPECIFIED
1. ASSEMBLY CONFORMS TO:  
SAE/JSCAR-12, REV 2.  
SAE/JSCAR-2 REV 4  
EXCEPT TPA REMOVAL FROM FINAL LOCK - SECOND CYCLE.  
SHALL NOT BE LESS THAN 12 NEWTONS.  
SAE/JSCAR-20 DEC. 2001.
  2. DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN EWCAP  
DRAWING 150-5-002-1-201 REV A (9-18-2003).
  3. ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK POSITION (SEE SECTION B-B  
PRE-LOCK). UPON FULL TERMINAL ASSEMBLY, EACH TPA MUST BE SNAPPED  
INTO ITS FINAL-LOCK POSITION.
  4. OPTIONAL CPA SHOWN IN ALL VIEWS. SEE TABLES FOR SPECIFIC ASSEMBLY  
OPTION AND NUMBER.
  5. KEYING OPTION AND ASSEMBLY MACHINE IDENTIFIER.
  6. RECYCLE CODE FOR PERMETER SEAL: SILICON 50 DUREMETER  
HOUSING PPE/PA-GF10  
TPA/CPA: PET-GF30
  7. SYSTEM TESTED USING E58-M123-A, 16/18/20&22 AWG WIRE, MS-8288 AND  
MS9502 ARE ACCEPTABLE ALTERNATIVES.
  8. FOR RECOMMENDED PART NUMBERS NOT SHOWN ON THIS DRAWING SEE SD-34062-002 & SD-34062-004.

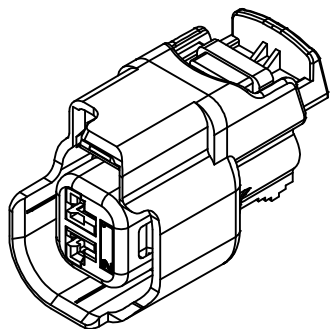
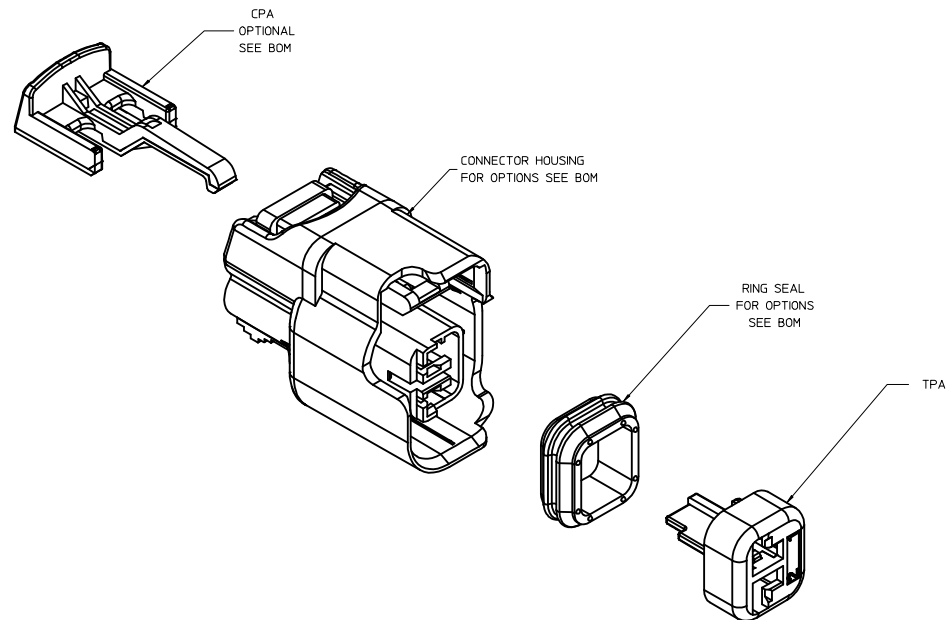
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|-----------|--------------------|-------------------|------------------|---------|------|-------|--------------|---------------|-------|-----------|---------------|--------|
| 22        | 0.50               | 34083-2003        | 34083-0003       | RIGHT   | TIN  | 22    | 7158-3030-50 | 120-170       | RED   | E-1644-01 | 119-165       | PINK   |
| 22        | 0.50               | 34083-3003        | 34083-1003       | LEFT    | TIN  | 22    | 7158-3030-50 | 120-170       | RED   | E-1644-01 | 119-165       |        |
| 22        | 0.50               | 34081-2005        | 34081-0005       | RIGHT   | GOLD | 22    | 7158-3030-50 | 120-170       | RED   | E-1644-01 | 119-165       |        |
| 22        | 0.50               | 34081-3005        | 34081-1005       | LEFT    | GOLD | 22    | 7158-3030-50 | 120-170       | RED   | E-1644-01 | 119-165       |        |
| 20        | 0.75               | 34083-2002        | 34083-0002       | RIGHT   | TIN  | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       | GREEN  |
| 20        | 0.75               | 34083-3002        | 34083-1002       | LEFT    | TIN  | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       |        |
| 20        | 0.75               | 34081-2004        | 34081-0004       | RIGHT   | GOLD | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       |        |
| 20        | 0.75               | 34081-3004        | 34081-1004       | LEFT    | GOLD | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       |        |
| 18        | 1.0                | 34083-2002        | 34083-0002       | RIGHT   | TIN  | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       | GREEN  |
| 18        | 1.0                | 34083-3002        | 34083-1002       | LEFT    | TIN  | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       |        |
| 18        | 1.0                | 34081-2004        | 34081-0004       | RIGHT   | GOLD | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       |        |
| 18        | 1.0                | 34081-3004        | 34081-1004       | LEFT    | GOLD | 18/20 | 7158-3031-90 | 163-240       | BLUE  | E-1644-00 | 160-210       |        |
| 16        | 1.5                | 34083-2001        | 34083-0001       | RIGHT   | TIN  | 14/16 | 7158-3031-90 | 163-240       | BLUE  | E-1644-02 | 210-250       | YELLOW |
| 16        | 1.5                | 34083-3001        | 34083-1001       | LEFT    | TIN  | 14/16 | 7158-3031-90 | 163-240       | BLUE  | E-1644-02 | 210-250       |        |
| 16        | 1.5                | 34081-2003        | 34081-0003       | RIGHT   | GOLD | 16    | 7158-3031-90 | 163-240       | BLUE  | E-1644-02 | 210-250       |        |
| 16        | 1.5                | 34081-3003        | 34081-1003       | LEFT    | GOLD | 16    | 7158-3031-90 | 163-240       | BLUE  | E-1644-02 | 210-250       |        |
| AWG       | METRIC             |                   |                  |         |      |       | YAZAKI P/N   | WIRE OD RANGE | COLOR | OSR P/N   | WIRE OD RANGE | COLOR  |
| WIRE SIZE | PREFERRED TERMINAL | OPTIONAL TERMINAL | PAYOFF DIRECTION | PLATING | GRP  |       | YAZAKI       |               |       | OSR       |               |        |
|           |                    |                   |                  |         |      |       |              |               |       |           |               |        |

|                                                                        |                                      |                                                                                                                                                                                                                                           |                                                                                                                                                                        |                                                                  |                                                                                            |                              |                     |
|------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------|---------------------|
| ENTER DESCRIPTION<br>ECL NO: UAU2006-1545<br>DRAWING: 2016/03/08<br>L3 | QUALITY SYMBOLS<br>V=0<br>V=1<br>V=2 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.1 ± ---<br>1 PLACE ± 0.3 ± ---<br>0 PLACE ± ±<br>ANGULAR ± 3°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY<br>P.L.M<br>DATE<br>2002/11/15<br>CHECKED BY<br>DKOEHLER<br>DATE<br>2002/11/25<br>APPROVED BY<br>CPENDLEY<br>DATE<br>2002/11/25 | SCALE<br>2:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>CONNECTOR ASSEMBLY<br>2-WAY FUEL 1.5MM FEMALE<br>FUEL INJECTOR CONNECTOR<br>molex | DOCUMENT NO.<br>SD-34062-001 | SHEET NO.<br>1 OF 1 |
|------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------|---------------------|

| TABLE OF CONTENTS |                               |
|-------------------|-------------------------------|
| SHEET NO.         | SHEET DESCRIPTION             |
| 1                 | NOTES                         |
| 2, 3              | CONFIGURATIONS                |
| 4                 | RECEPTACLE CONNECTOR ASSEMBLY |
| 5                 | MOLEX INTERFACE               |

NOTES: VALID UNLESS OTHERWISE SPECIFIED

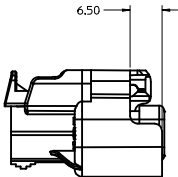
1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34062-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
  - DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP\_150-S-002-1-Z01. AVAILABLE AT <http://ewcap.uscarteams.org/>.
  - DESIGNED TO MATE WITH BLADE SEALED ASSEMBLY AS SPECIFIED IN DRAWING: SD-34675-001
  - ASSEMBLY SHIPPED WITH TPA IN PRE-LOCK (SEE TPA PRE-LOCK VIEW IN SHEET 4)
- b. PRODUCT SPECIFICATION SEE: PS-34062-000
- CONTAINS: SCOPE, PRODUCT DESCRIPTION, INTEGRAL COMPONENTS AND ACCESSORIES, APPLICABLE DOCUMENTS AND SPECIFICATIONS, RATINGS, PERFORMANCE, PACKAGING, GAUGE AND FIXTURES, AND OTHER INFORMATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-30907-879
- 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. SEE BOM TABLE IN SD-34062-004
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 ISO13175
- d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- e. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
- f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
- g. LASER MARKING: TBD



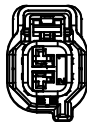
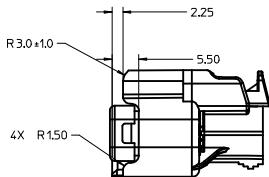
INSPECTION NUMBER LOG  
LAST NUMBER USED: ICD 64  
ADDED: ICD 64  
REMOVED: ICD 7, ICD 8, ICD 9,  
ICD 18, ICD 19, ICD 20, ICD 41, ICD 42

|                                                                                                                    |                 |                                                      |                                                                                                                               |                                  |              |                        |                              |                     |                                                              |
|--------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|------------------------|------------------------------|---------------------|--------------------------------------------------------------|
| ENTER DESCRIPTION<br>IEC NO: UAU2016-1241<br>DRAWN BY: BORUSZENSKI 2016/02/19<br>CHKD:<br>APPR: VKOSHY<br>REV: J18 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE                                                                                                               | SCALE                            | DESIGN UNITS | THIRD ANGLE PROJECTION | DOCUMENT NO.<br>SD-34062-002 | SHEET NO.<br>1 OF 5 |                                                              |
|                                                                                                                    | ▽=0             | 4 PLACES ± ---                                       | mm                                                                                                                            | MM ONLY                          | 4:1          | METRIC                 |                              |                     | ☉                                                            |
|                                                                                                                    | ▽=0             | 3 PLACES ± ---                                       | INCH                                                                                                                          | DRAWN BY: KCUNNINGHAM 2011/11/08 | DATE         | TITLE                  |                              |                     | MX150 2 WAY CABLE SEAL RECEPTACLE CONN. SYSTEM (5.0MM PITCH) |
|                                                                                                                    | ▽=0             | 2 PLACES ± 0.10                                      | DATE                                                                                                                          | DATE                             | DATE         | DATE                   |                              |                     |                                                              |
|                                                                                                                    |                 | 1 PLACE ± 0.3                                        | APPROVED BY                                                                                                                   |                                  |              |                        |                              |                     |                                                              |
|                                                                                                                    |                 | 0 PLACE ±                                            |                                                                                                                               |                                  |              |                        |                              |                     |                                                              |
|                                                                                                                    |                 | ANGULAR ± 3 °                                        | MATERIAL NO.                                                                                                                  |                                  |              |                        |                              |                     |                                                              |
|                                                                                                                    |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SEE NOTE 2a.                                                                                                                  |                                  |              |                        |                              |                     |                                                              |
|                                                                                                                    |                 |                                                      | SIZE D                                                                                                                        |                                  |              |                        |                              |                     |                                                              |
|                                                                                                                    |                 |                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                  |              |                        |                              |                     |                                                              |

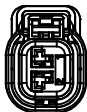
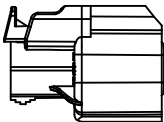
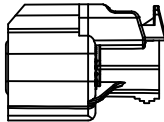
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|---|---------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
|   | 20                                                                  | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |
|   | <div> <div>SHEET DESCRIPTION</div> <div>CONFIGURATIONS</div> </div> |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |
| M |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | M |
| L |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | L |
| K |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | K |
| J |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | J |
| I |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | I |
| H |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | H |
| G |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | G |
| F |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | F |
| E |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | E |
| D |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | D |
| C |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | C |
| B |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | B |
| A |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | A |
|   |                                                                     |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |



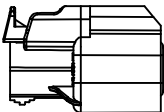
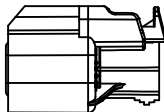
OPTION A



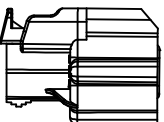
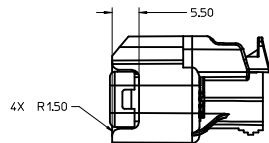
OPTION B



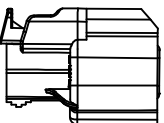
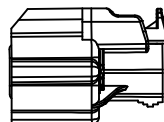
OPTION C



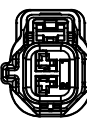
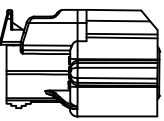
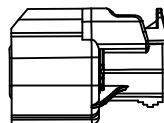
OPTION D



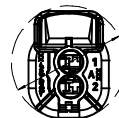
OPTION E



OPTION F

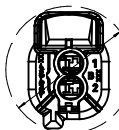


OPTION G



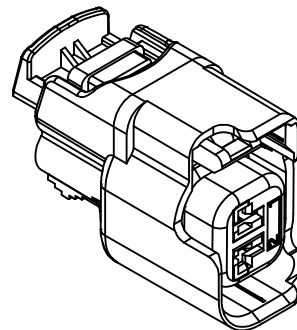
REAR VIEW

Ø 23.40  
MINIMUM PASS-THRU WITH  
NO CLEARANCE  
APPLIES TO NON CLIP-SLOT  
OPTIONS A, C, D, & G



REAR VIEW

Ø 26.00  
MINIMUM PASS-THRU WITH  
NO CLEARANCE  
APPLIES TO NON CLIP-SLOT  
OPTIONS B, E, & F

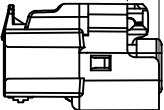


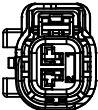
NON CLIP-SLOT OPTION  
SCALE 4:1

|                                                                                                                             |                                                                                          |                                       |                      |                                           |                                                                                                                               |                                                                             |                        |                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------|----------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| ENTER DESCRIPTION<br>EC NO: UAU2016-1241<br>DRWN:GBORUSZENSKI 2016/02/19<br>CHKD:<br>APPR:WOSHY<br>2016/02/22<br>REV<br>J18 | QUALITY SYMBOLS                                                                          | GENERAL TOLERANCES (UNLESS SPECIFIED) |                      | DIMENSION STYLE<br>MM ONLY                |                                                                                                                               | SCALE<br>2:1                                                                | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |
|                                                                                                                             |  =0 |                                       |                      | DRAWN BY DATE<br>KCUNNINGHAM 2011/11/08   |                                                                                                                               | TITLE<br>MX150 2 WAY CABLE SEAL<br>RECEPTACLE CONN. SYSTEM<br>(5.0MM PITCH) |                        |                                                                                                              |
|                                                                                                                             |  =0 | 4 PLACES ± mm ± INCH                  | 3 PLACES ± mm ± INCH | CHECKED BY DATE<br>MYANSLAMBROU 1/26/2012 |                                                                                                                               | molex<br>SHEET NO. 2 OF 5                                                   |                        |                                                                                                              |
|                                                                                                                             |  =0 | 2 PLACES ± 0.10                       | 1 PLACE ± 0.3        | APPROVED BY DATE                          |                                                                                                                               |                                                                             |                        |                                                                                                              |
|                                                                                                                             |                                                                                          | 0 PLACE ±                             |                      |                                           |                                                                                                                               |                                                                             |                        |                                                                                                              |
|                                                                                                                             | ANGULAR ± 3 °                                                                            |                                       | MATERIAL NO.         |                                           | DOCUMENT NO.                                                                                                                  |                                                                             |                        |                                                                                                              |
|                                                                                                                             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                     |                                       | SEE NOTE 2a.         |                                           | SD-34062-002                                                                                                                  |                                                                             |                        |                                                                                                              |
|                                                                                                                             |                                                                                          |                                       | SIZE                 |                                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                             |                        |                                                                                                              |
|                                                                                                                             |                                                                                          |                                       |                      |                                           |                                                                                                                               |                                                                             |                        |                                                                                                              |
|                                                                                                                             |                                                                                          |                                       |                      |                                           |                                                                                                                               |                                                                             |                        |                                                                                                              |

SHEET DESCRIPTION  
CONFIGURATIONS

6.50





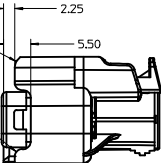
OPTION A W/CLIP-SLOT \*

R3.0x1.0

2.25

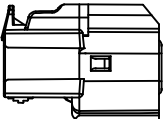
5.50

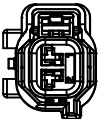
4X R1.50



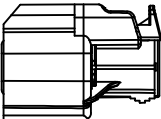


Ø 25.50  
MINIMUM PASS-THRU WITH  
NO CLEARANCE  
APPLIES TO CLIP-SLOT  
OPTIONS A, C AND D



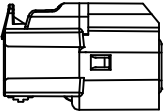


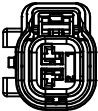
OPTION B W/CLIP-SLOT \*



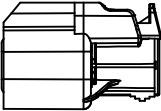


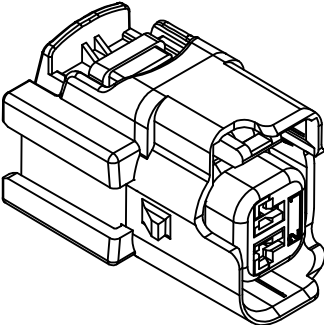
Ø 26.00  
MINIMUM PASS-THRU WITH  
NO CLEARANCE  
APPLIES TO CLIP-SLOT  
OPTION B



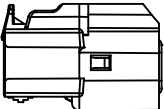


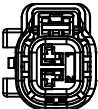
OPTION C W/CLIP-SLOT \*





CLIP-SLOT OPTION  
SCALE 4:1

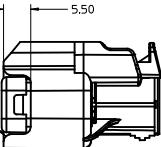




OPTION D W/CLIP-SLOT \*

5.50

4X R1.50



ENTER DESCRIPTION  
LEC NO: UAU2016-1241  
DRAWN BY: DRWN480RUSZESKI 2016/02/19  
CHKD:  
APPR: IKOSHY 2016/02/22  
REV  
J18

QUALITY SYMBOLS  
▽=0  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± ---  
2 PLACES ± 0.10 ± ---  
1 PLACE ± 0.3 ± ---  
0 PLACE ± ±  
ANGULAR ± 3 °  
DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY  
DRAWN BY DATE  
KCUNNINGHAM 2011/11/08  
CHECKED BY DATE  
MVANSLAMBROU 1/26/2012  
APPROVED BY DATE

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

TITLE  
MX150 2 WAY CABLE SEAL  
RECEPTACLE CONN. SYSTEM  
(5.0MM PITCH)

molex

MATERIAL NO. SEE NOTE 2a.  
DOCUMENT NO. SD-34062-002  
SHEET NO. 3 OF 5

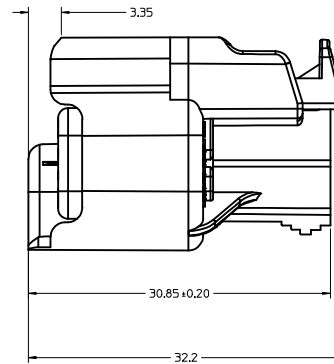
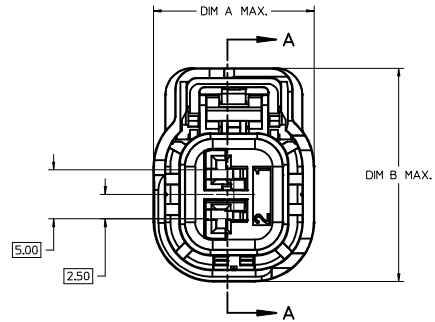
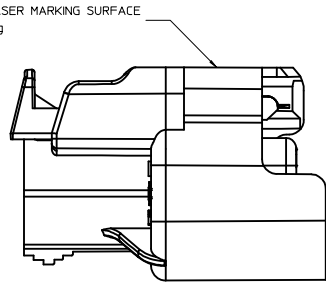
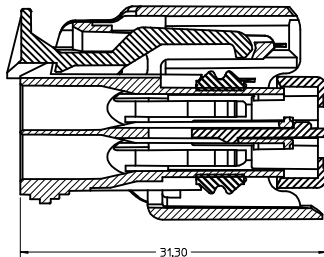
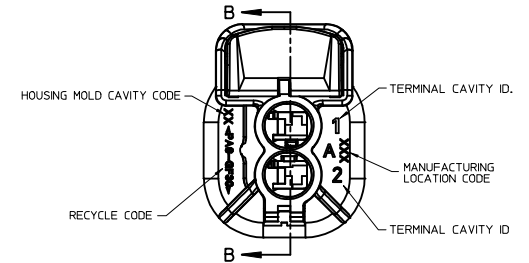
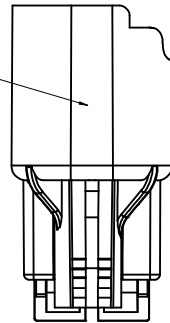
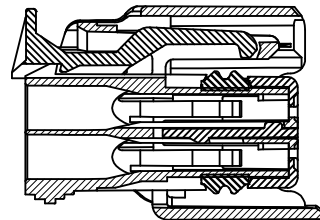
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

## SHEET DESCRIPTION

RECEPTACLE CONNECTOR ASSEMBLY

## CHARTED DIMENSIONS

| CONFIGURATIONS              | DIMENSIONS |      |
|-----------------------------|------------|------|
|                             | A          | B    |
| OPTIONS A, C, D             | 16.6       | 22.0 |
| OPTION B                    | 16.6       | 23.9 |
| OPTION E                    | 20.2       | 23.9 |
| OPTION F                    | 16.6       | 23.9 |
| OPTION G                    | 18.4       | 22.0 |
| OPTIONS A, C, D W/CLIP-SLOT | 19.2       | 22.0 |
| OPTION B W/CLIP-SLOT        | 19.2       | 23.9 |

OPTIONAL LASER MARKING SURFACE  
SEE NOTE 3gOPTIONAL LASER MARKING SURFACE  
SEE NOTE 3gTPA SHOWN IN THE  
PRE-STAGED POSITION  
SECTION A-ASECTION B-B  
TPA SHOWN IN  
FINAL-LOCK POSITION

|                                                                                                            |                                      |                                                                                                                                                                                                                                          |                                                                                                                                             |                                                                  |                                                                                                                          |                     |
|------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------|
| ENTER DESCRIPTION<br>IEC NO: UAU2016-1241<br>DRAWN BY: BORUSZSKI<br>CHKD: WOSHY<br>APPR: WOSHY<br>REV: J18 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.10 ± ---<br>1 PLACE ± 0.3 ± ---<br>0 PLACE ± ±<br>ANGULAR ± 3 °<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY: KCUNNINGHAM<br>CHECKED BY: MYANSLAMBROU<br>APPROVED BY: DATE<br>MATERIAL NO. SEE NOTE 2a.<br>SIZE D | SCALE<br>4:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>MX150 2 WAY CABLE SEAL<br>RECEPTACLE CONN. SYSTEM<br>(5.0MM PITCH)<br><b>molex</b><br>DOCUMENT NO. SD-34062-002 | SHEET NO.<br>4 OF 5 |
|                                                                                                            |                                      |                                                                                                                                                                                                                                          |                                                                                                                                             |                                                                  |                                                                                                                          |                     |

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



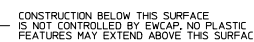
PACKAGING FRAME



| KEY     | DIMENSIONS |       |       |
|---------|------------|-------|-------|
| OPTION  | DIM A      | DIM B | DIM C |
| A, C, D | 9.90       | 9.20  | 9.20  |
| B       | 11.80      | 9.20  | 9.20  |
| E       | 11.80      | 11.00 | 11.00 |
| F       | 11.80      | 9.20  | 9.20  |
| G       | 9.90       | 9.20  | 11.00 |
| H       | 9.90       | 11.00 | 9.20  |



SECTION Y-Y



SECTION X-X

1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
3. 0.25 RADII ON ALL CORNERS SHOWN SHARP.
4. UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED.
5. STANDARD COLORS FOR POLARIZATION (SEE CHART).  
DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
6. REFER TO SAE/USCAR 12 CONNECTOR GUIDELINES  
FOR ADDITIONAL REQUIREMENTS.
7. EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE  
WITHIN TOLERANCE.
8.  SYMBOL INDICATES DRAFT DIRECTION.
9. FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS  
AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS  
DRAWING SEE EWCAP DWG. NO. EWCAP-001
10. A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED  
TO ENSURE THAT THE CONNECTOR-HEADER POLARIZATION  
FEATURES (OPTIONS A THRU H) WILL FUNCTION. THE FULL  
SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER  
PINS. REFER TO SAE/USCAR-12 CONNECTOR DESIGN  
GUIDE LINES FOR ADDITIONAL INFORMATION.
11. REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE  
<http://www.uscarteams.org>
12. THIS IS A 100% CAD GENERATED PART. THE CAT MATHEMATICAL DATA  
IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION  
NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.

|         |            |                                                              |                               |
|---------|------------|--------------------------------------------------------------|-------------------------------|
| A, C, D | BLACK      | A                                                            |                               |
| B       | LIGHT GRAY | B                                                            |                               |
| E       | BLACK      | E                                                            | NOT RECOMMENDED               |
| F       | LIGHT GRAY | D                                                            | MATING CONNECTOR IS UNIVERSAL |
| G       | BLACK      | C                                                            |                               |
| H       | LIGHT GRAY | F                                                            |                               |
| OPTION  | COLOR      | SIMILAR TO AFL DRAWING R63461<br>(OPTION GEOMETRY IDENTICAL) | COMMENTS                      |

[illegible]