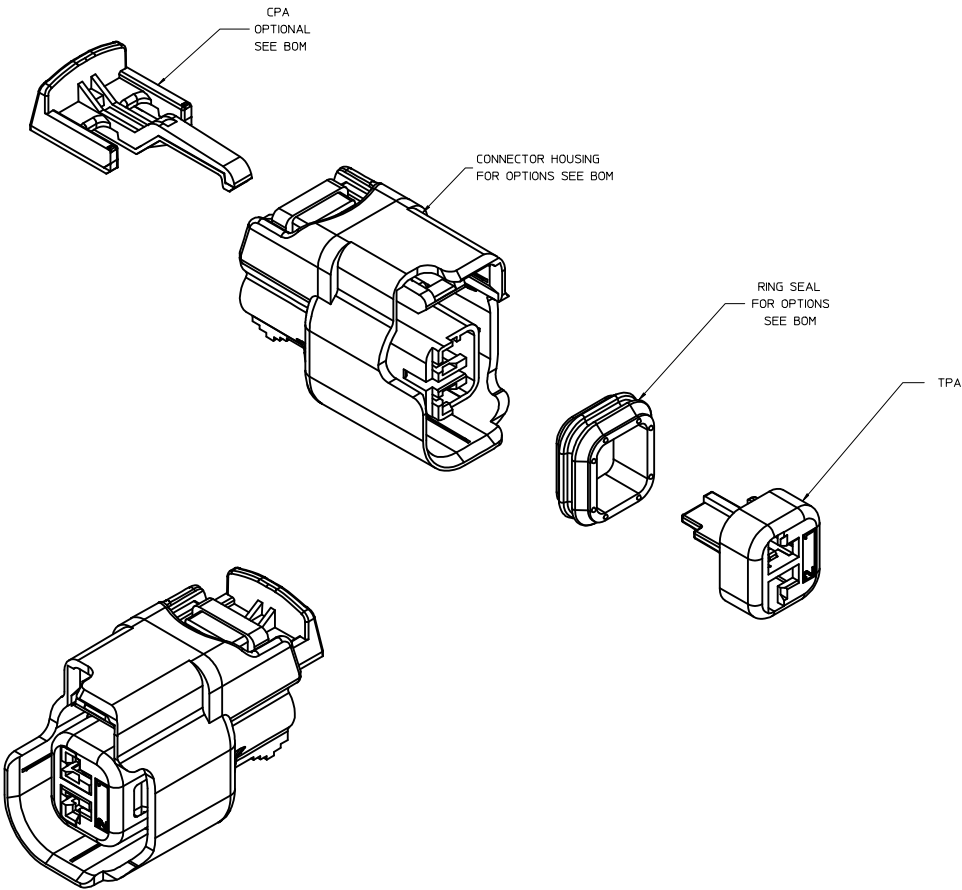


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

| TABLE OF CONTENTS |                                 |
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| SHEET NO.         | SHEET DESCRIPTION               |
| 1                 | NOTES                           |
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| 4                 | RCPT. HRN. CONN.                |
| 5,6               | BOM                             |
| 7                 | 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.
  - ASSEMBLY CONFORMS TO SAE/USCAR-2 REV.4 AND SAE/USCAR-12 REV.2 WITH THE FOLLOWING EXCEPTIONS:
  - TPA REMOVAL FROM FINAL LOCK - SECOND CYCLE: 12N MIN.
  - POLARIZATION FEATURE EFFECTIVENESS: CONFORMS TO USCAR-2 REV 5
  - CPA DISENGAGE FORCE FROM FINAL-LOCK TO PRE-LOCK SHALL BE 10N MIN AND 40N MAX.
- b. PRODUCT SPECIFICATION SEE: PS-34062-000
- CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RECOMMENDED MATING CONNECTORS AND INTERFACES, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-30907-879
- d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016
- e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
- f. DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN DRAWING EWCAP 150-S-002-1-201. AVAILABLE AT <http://ewcap.uscarteams.org/>.
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) CAD MODEL
- g. LASER MARKING: TBD

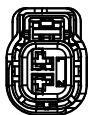
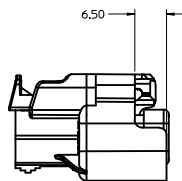
INSPECTION NUMBER LOG  
LAST NUMBER USED:  
ADDED:  
REMOVED:

|     |                                             |
|-----|---------------------------------------------|
| J8  | UPDATE 34062-0057                           |
| J7  | ADDED P/N 34062-0057                        |
| J6  | P/N 34062-0041, 0043, 0044, & 0046 SALEABLE |
| J5  | ADDED P/N 34062-0056                        |
| J4  | ADDED P/N 34062-4003 & 34062-4004           |
| J3  | 34062-0042 & 34062-0045 SALEABLE            |
| J2  | UPDATED VIEWS                               |
| REV | DESCRIPTION                                 |

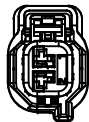
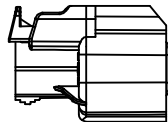
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|-----------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------|--|----------------------------|--|------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|
| ENTER DESCRIPTION<br>IEC NO: UAU2014-1656<br>DRAWN BY: 2014/04/24<br>CHKD: J8<br>APPR: W05HY<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>4:1           |  | DESIGN UNITS<br>METRIC                                                                                                        |  | THIRD ANGLE PROJECTION                                                                  |  |
|                                                                                                     |                                      | mm                                                   |  | INCH                       |  | DRAWN BY DATE          |  | TITLE                                                                                                                         |  | CONNECTOR ASSEMBLY<br>2-WAY FUEL 15MM FEMALE<br>FUEL INJECTOR CONNECTOR<br><b>molex</b> |  |
|                                                                                                     |                                      | 4 PLACES ± ---                                       |  | ± ---                      |  | KUNNINGHAM 2011/11/08  |  |                                                                                                                               |  |                                                                                         |  |
|                                                                                                     |                                      | 3 PLACES ± ---                                       |  | ± ---                      |  | CHECKED BY DATE        |  |                                                                                                                               |  |                                                                                         |  |
|                                                                                                     |                                      | 2 PLACES ± 0.10                                      |  | ± ---                      |  | MYANSLAMBROU 1/26/2012 |  |                                                                                                                               |  |                                                                                         |  |
|                                                                                                     |                                      | 1 PLACE ± 0.3                                        |  | ± ---                      |  | APPROVED BY DATE       |  |                                                                                                                               |  |                                                                                         |  |
|                                                                                                     |                                      | 0 PLACE ±                                            |  | ±                          |  |                        |  |                                                                                                                               |  |                                                                                         |  |
|                                                                                                     |                                      | ANGULAR ± 3 °                                        |  |                            |  | MATERIAL NO.           |  | DOCUMENT NO.                                                                                                                  |  | SHEET NO.                                                                               |  |
|                                                                                                     |                                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |                            |  | SEE BOM                |  | SD-34062-002                                                                                                                  |  | 1 OF 7                                                                                  |  |
|                                                                                                     |                                      |                                                      |  |                            |  | SIZE D                 |  | 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

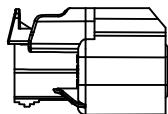
M  
L  
K  
J  
I  
H  
G  
F  
E  
D  
C  
B  
A



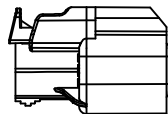
OPTION A



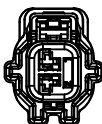
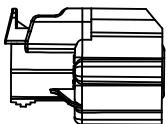
OPTION B



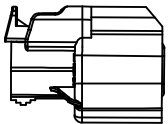
OPTION C



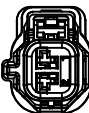
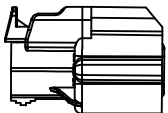
OPTION D



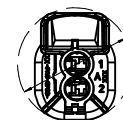
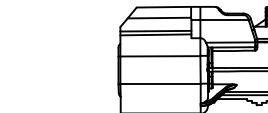
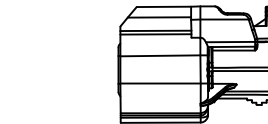
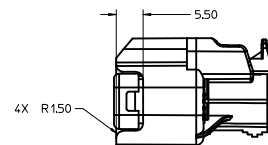
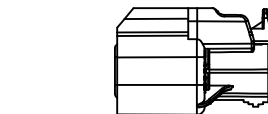
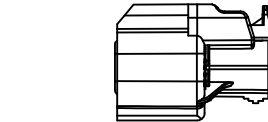
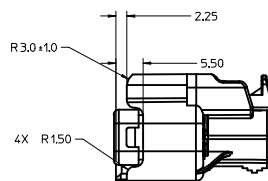
OPTION E



OPTION F

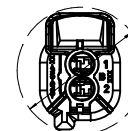


OPTION G



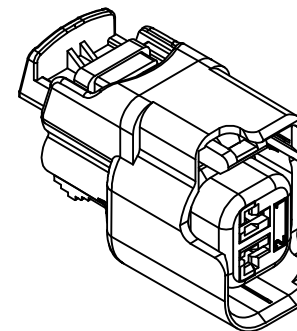
REAR VIEW

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

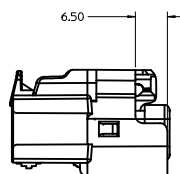
RCPT. HRN. CONN. CONFIGURATIONS 1

|                                                                                      |                                      |                           |                                                            |                                                                                                                                  |      |  |                            |                    |              |                                                                         |                           |
|--------------------------------------------------------------------------------------|--------------------------------------|---------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------|--|----------------------------|--------------------|--------------|-------------------------------------------------------------------------|---------------------------|
| ENTER DESCRIPTION<br>EC NO: UAU2014-1656<br>2014/04/24<br>CHKD:<br>APPR: WOSHY<br>J8 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | DESCRIPTION<br>2014/04/29 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                                                                                                                                  |      |  | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>2:1 | DESIGN UNITS<br>METRIC                                                  | THIRD ANGLE<br>PROJECTION |
|                                                                                      |                                      |                           | mm                                                         |                                                                                                                                  | INCH |  | DRAWN BY<br>KUNNINGHAM     | DATE<br>2011/11/08 | TITLE        | CONNECTOR ASSEMBLY<br>2-WAY FUEL 15MM FEMALE<br>FUEL INJECTOR CONNECTOR |                           |
|                                                                                      |                                      |                           | 4 PLACES                                                   |                                                                                                                                  | +    |  | CHECKED BY<br>MYANSLAMBROU | DATE<br>1/26/2012  |              |                                                                         |                           |
|                                                                                      |                                      |                           | 3 PLACES                                                   |                                                                                                                                  | +    |  |                            |                    |              |                                                                         |                           |
|                                                                                      |                                      |                           | 3 PLACES                                                   |                                                                                                                                  | +    |  |                            |                    |              |                                                                         |                           |
|                                                                                      |                                      |                           | 0 PLACES                                                   |                                                                                                                                  | +    |  |                            |                    |              |                                                                         |                           |
|                                                                                      |                                      |                           | 1 PLACE                                                    |                                                                                                                                  | +    |  |                            |                    |              |                                                                         |                           |
|                                                                                      |                                      |                           | 0 PLACE                                                    |                                                                                                                                  | +    |  |                            |                    |              |                                                                         |                           |
|                                                                                      |                                      |                           | ANGULAR ± 3 °                                              |                                                                                                                                  |      |  |                            |                    |              |                                                                         |                           |
|                                                                                      |                                      |                           | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  |      |  |                            |                    |              |                                                                         |                           |
| SIZE<br>D                                                                            |                                      |                           |                                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |      |  |                            |                    |              |                                                                         |                           |

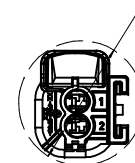
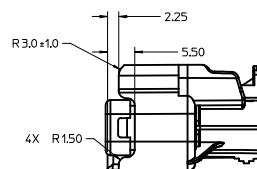
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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

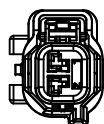
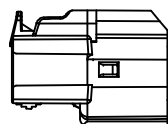
RCPT. HRN. CONN. CONFIGURATIONS 2



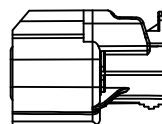
OPTION A W/CLIP-SLOT



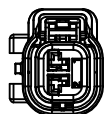
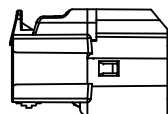
25.50  
MINIMUM PASS-THRU WITH  
NO CLEARANCE  
APPLIES TO CLIP-SLOT  
OPTIONS A, C AND D



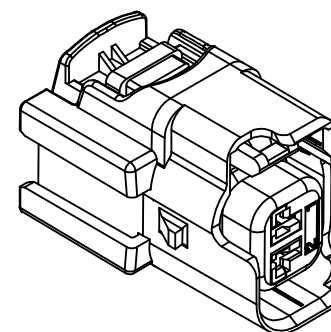
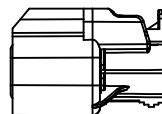
OPTION B W/CLIP-SLOT



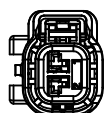
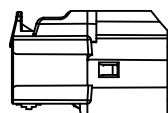
26.00  
MINIMUM PASS-THRU WITH  
NO CLEARANCE  
APPLIES TO CLIP-SLOT  
OPTIONS B



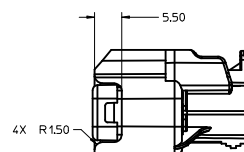
OPTION C W/CLIP-SLOT



CLIP-SLOT OPTION  
SCALE 4:1



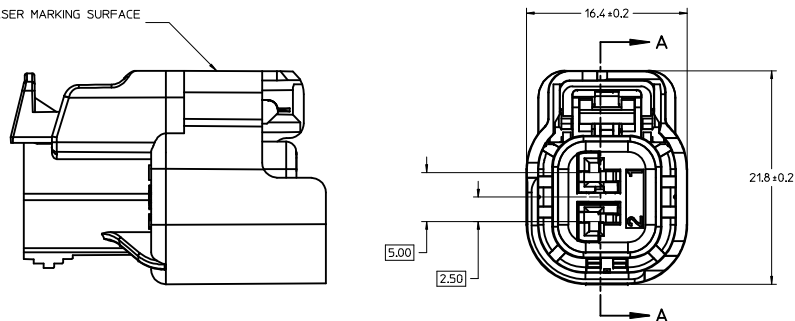
OPTION D W/CLIP-SLOT



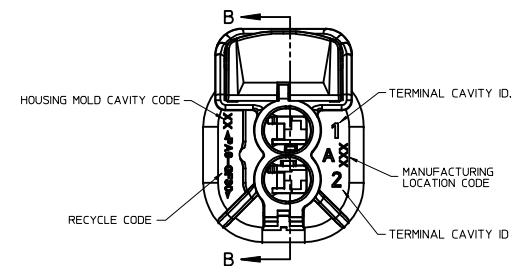
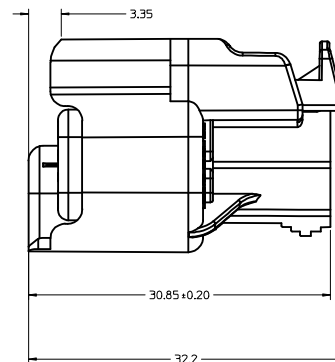
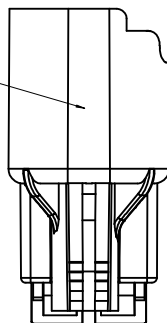
|                                                                                                                   |  |                                                            |                                       |                                                                                                                                  |                            |              |                    |                                                   |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------|--------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| ENTER DESCRIPTION<br>IEC NO: UAU2014-1656<br>DRAWN BY: KUNNINGHAM<br>CHKD: MVANSLAMBROU<br>APPR: WOSHY<br>REV: J8 |  | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0                       | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |              | SCALE<br>2:1       | DESIGN UNITS<br>METRIC                            |  THIRD ANGLE<br>PROJECTION |
|                                                                                                                   |  |                                                            |                                       |                                                                                                                                  | DRAWN BY<br>KUNNINGHAM     |              | DATE<br>2011/11/08 | TITLE<br>CONNECTOR ASSEMBLY                       |                                                                                                                 |
|                                                                                                                   |  |                                                            |                                       |                                                                                                                                  | CHECKED BY<br>MVANSLAMBROU |              | DATE<br>1/26/2012  | 2-WAY FUEL 15MM FEMALE<br>FUEL INJECTOR CONNECTOR |                                                                                                                 |
|                                                                                                                   |  |                                                            |                                       |                                                                                                                                  | APPROVED BY                |              | DATE               | <b>molex</b>                                      |                                                                                                                 |
|                                                                                                                   |  | ANGULAR ± 3 °                                              |                                       | MATERIAL NO.                                                                                                                     |                            | DOCUMENT NO. |                    | SHEET NO.                                         |                                                                                                                 |
|                                                                                                                   |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | SEE BOM                                                                                                                          |                            | SD-34062-002 |                    | 3 OF 7                                            |                                                                                                                 |
|                                                                                                                   |  |                                                            |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>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

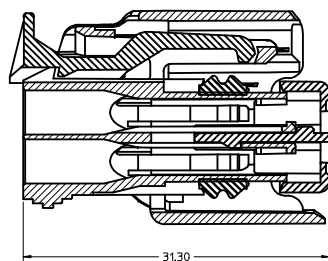
OPTIONAL LASER MARKING SURFACE  
SEE NOTE h.



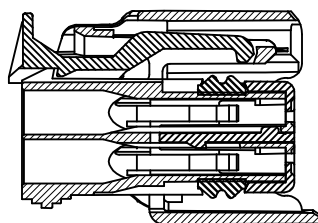
OPTIONAL LASER MARKING SURFACE  
SEE NOTE h.



RCPT. HRN. CONN.



TPA SHOWN IN THE  
PRE-STAGED POSITION  
SECTION A-A



SECTION B-B

TPA SHOWN IN  
FINAL-LOCK POSITION

|                                                                                     |                                         |                                          |                                       |  |               |                            |            |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     |             |      |
|-------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|---------------------------------------|--|---------------|----------------------------|------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------|------------------------------|---------------------|-------------|------|
| ENTER DESCRIPTION<br>EC NO: UAU2014-1656<br>DRAWN BY<br>CHKD:<br>APPR: WOSHY<br>REV | DESCRIPTION<br>2014/04/24<br>2014/04/29 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |  |               | DIMENSION STYLE<br>MM ONLY |            | SCALE<br>4:1 | DESIGN UNITS<br>METRIC                                                                                                           |  THIRD ANGLE<br>PROJECTION | TITLE<br>CONNECTOR ASSEMBLY<br>2-WAY FUEL 15MM FEMALE<br>FUEL INJECTOR CONNECTOR<br><br><b>molex</b> | MATERIAL NO.<br>SEE BOM | DOCUMENT NO.<br>SD-34062-002 | SHEET NO.<br>4 OF 7 |             |      |
|                                                                                     |                                         |                                          | mm INCH                               |  |               | DRAWN BY                   | DATE       |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     | APPROVED BY | DATE |
|                                                                                     |                                         |                                          | 4 PLACES ±                            |  |               | KCUNNINGHAM                | 2011/11/08 |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     |             |      |
|                                                                                     |                                         |                                          | 3 PLACES ±                            |  |               | CHECKED BY                 | DATE       |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     |             |      |
|                                                                                     |                                         |                                          | 2 PLACES ± 0.10                       |  |               | MYANSLAMBROU               | 1/26/2012  |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     |             |      |
|                                                                                     |                                         |                                          | 1 PLACE ± 0.3                         |  |               |                            |            |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     |             |      |
| 0 PLACE ±                                                                           |                                         |                                          |                                       |  | ANGULAR ± 3 ° |                            |            |              |                                                                                                                                  |                                                                                                                 |                                                                                                      |                         |                              |                     |             |      |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                          |                                         |                                          |                                       |  |               | SIZE<br>D                  |            |              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>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

|                                        |                      |                                |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |                        |          |          |   |                           |   |
|----------------------------------------|----------------------|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|------------------------|----------|----------|---|---------------------------|---|
| OPTION A, W/ CPA, BLACK                | 34062-0047           | -40°C TO 125°C                 | A |   |   |   |   |   |   |   |   |   |   |   |   |    |    | R3  | CPA                    | SALEABLE | 1        |   |                           |   |
| OPTION G, W/ CPA, BLACK                | 34062-0046           | -40°C TO 155°C                 |   |   |   |   |   |   |   | G |   |   |   |   |   |    |    |     | R4                     | CPA      | SALEABLE |   | 2                         |   |
| OPTION F, W/ CPA, LT. GRAY             | 34062-0045           | -40°C TO 155°C                 |   |   |   |   |   |   |   | F |   |   |   |   |   |    |    |     | R4                     | CPA      | SALEABLE |   | 2                         |   |
| OPTION E, W/ CPA, BLACK                | 34062-0044           | -40°C TO 155°C                 |   |   |   |   |   |   |   | E |   |   |   |   |   |    |    |     | R4                     | CPA      | SALEABLE |   | 2                         |   |
| OPTION G, BLACK                        | 34062-0043           | -40°C TO 155°C                 |   |   |   |   |   |   |   | G |   |   |   |   |   |    |    |     | R4                     |          | SALEABLE |   | 2                         |   |
| OPTION F, LT. GRAY                     | 34062-0042           | -40°C TO 155°C                 |   |   |   |   |   |   |   | F |   |   |   |   |   |    |    |     | R4                     |          | SALEABLE |   | 2                         |   |
| OPTION E, BLACK                        | 34062-0041           | -40°C TO 155°C                 |   |   |   |   |   |   |   | E |   |   |   |   |   |    |    |     | R4                     |          | SALEABLE |   | 2                         |   |
| OPTION D, W/ CPA, & WITH RIBS, BLACK   | 34062-4009           | -40°C TO 155°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R4                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION C, W/ CPA & WITH RIBS, BLACK    | 34062-4008           | -40°C TO 155°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | C  |     | R4                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION D, W/ CPA & CLIP-SLOT, LT. GRAY | 34062-0040           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION D, W/ CPA & CLIP-SLOT, BLACK    | 34062-0039           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION C, W/ CPA & CLIP-SLOT, BLACK    | 34062-0038           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | C  |     | R3                     | CPA      | SALEABLE | 1 |                           | 3 |
| OPTION B, W/ CPA & CLIP-SLOT, LT. GRAY | 34062-0037           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | B  |     | R3                     | CPA      | SALEABLE | 1 |                           | 3 |
| OPTION A, W/ CPA & CLIP-SLOT, BLACK    | 34062-0036           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | A  |     | R3                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION D, W/ CLIP-SLOT, LT. GRAY       | 34062-0035           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     |          | SALEABLE | 1 |                           |   |
| OPTION D, W/ CLIP-SLOT, BLACK          | 34062-0034           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     |          | SALEABLE | 1 |                           |   |
| OPTION C, W/ CLIP-SLOT, BLACK          | 34062-0033           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | C  |     | R3                     |          | SALEABLE | 1 |                           | 3 |
| OPTION B, W/ CLIP-SLOT, LT. GRAY       | 34062-0032           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | B  |     | R3                     |          | SALEABLE | 1 |                           | 3 |
| OPTION A, W/ CLIP-SLOT, BLACK          | 34062-0031           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | A  |     | R3                     |          | SALEABLE | 1 |                           |   |
| OPTION D, W/ CPA, LT. GRAY             | 34062-0030           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION D, W/ CPA, BLACK                | 34062-0028           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION C, W/ CPA, BLACK                | 34062-0027           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | C  |     | R3                     | CPA      | SALEABLE | 1 |                           | 3 |
| OPTION B, W/ CPA, LT. GRAY             | 34062-0026           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | B  |     | R3                     | CPA      | SALEABLE | 1 |                           | 3 |
| OPTION A, W/ CPA, BLACK                | 34062-0025           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | A  |     | R3                     | CPA      | SALEABLE | 1 |                           |   |
| OPTION D, LT. GRAY                     | 34062-0029           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     |          | SALEABLE | 1 |                           |   |
| OPTION D, BLACK                        | 34062-0024           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | D  |     | R3                     |          | SALEABLE | 1 |                           |   |
| OPTION C, BLACK                        | 34062-0023           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | C  |     | R3                     |          | SALEABLE | 1 |                           | 3 |
| OPTION B, LT. GRAY                     | 34062-0022           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | B  |     | R3                     |          | SALEABLE | 1 |                           | 3 |
| OPTION A, BLACK                        | 34062-0021           | -40°C TO 125°C                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | A  |     | R3                     |          | SALEABLE | 1 |                           |   |
| ASSEMBLY DESCRIPTION                   | ASSEMBLY PART NUMBER | ASSEMBLY OPERATING TEMPERATURE | A | B | C | D | E | F | G | A | B | C | D | C | D | R3 | R4 | CPA | PRODUCTION TOOL STATUS |          |          | 1 | 2                         | 3 |
|                                        |                      |                                |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |                        |          |          |   | RECOMMENDED MATING DEVICE |   |

| LEGEND TABLE |                                             |
|--------------|---------------------------------------------|
| ABBREVIATION | COMPONENT                                   |
| A            | HOUSING OPTION A                            |
| B            | HOUSING OPTION B                            |
| C            | HOUSING OPTION C                            |
| D            | HOUSING OPTION D                            |
| E            | HOUSING OPTION E                            |
| F            | HOUSING OPTION F                            |
| G            | HOUSING OPTION G                            |
| R3           | RING SEAL TEMP. CLASS 3                     |
| R4           | RING SEAL TEMP. CLASS 4                     |
| TPA          | INSERT, TPA                                 |
| CPA          | CPA                                         |
| 1            | 150-S-002-1-201<br>USCAR INTERFACE          |
| 2            | MOLEX INTERFACE<br>SEE SHEET 7              |
| 3            | SD-34675-001<br>MOLEX INLINE MALE CONNECTOR |

| INSERT, TPA                     | NATURAL     | PBT GF30                       |
|---------------------------------|-------------|--------------------------------|
| CPA                             | RED         | PBT GF30                       |
| RING SEAL TEMP. CLASS 4         | GREEN       | INHERENTLY LUBRICATED SILICONE |
| RING SEAL TEMP. CLASS 3         | MEDIUM BLUE | INHERENTLY LUBRICATED SILICONE |
| HOUSING OPTION D WITH RIBS      | BLACK       | PA6 GF30                       |
| HOUSING OPTION C WITH RIBS      | BLACK       | PA6 GF30                       |
| HOUSING OPTION D W/CLIP-SLOT    | LT. GRAY    | PA6 GF30                       |
| HOUSING OPTION D W/CLIP-SLOT    | BLACK       | PA6 GF30                       |
| HOUSING OPTION C W/CLIP-SLOT    | BLACK       | PA6 GF30                       |
| HOUSING OPTION B W/CLIP-SLOT    | LT. GRAY    | PA6 GF30                       |
| HOUSING OPTION A W/CLIP-SLOT    | BLACK       | PA6 GF30                       |
| HOUSING OPTION G                | BLACK       | PA6 GF30                       |
| HOUSING OPTION F                | LT. GRAY    | PA6 GF30                       |
| HOUSING OPTION E                | BLACK       | PA6 GF30                       |
| HOUSING OPTION D                | LT. GRAY    | PA6 GF30                       |
| HOUSING OPTION D                | BLACK       | PA6 GF30                       |
| HOUSING OPTION C                | BLACK       | PA6 GF30                       |
| HOUSING OPTION B                | LT. GRAY    | PA6 GF30                       |
| HOUSING OPTION A                | BLACK       | PA6 GF30                       |
| DESCRIPTION                     | COLOR       | MATERIAL                       |
| BOM/APPLICABLE COMPONENTS TABLE |             |                                |

|                                                                                           |                                      |                                                                                                                               |  |                                           |  |                                                                                  |                        |                                                                                                              |
|-------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|----------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| ENTER DESCRIPTION<br>EC NO: UAU2014-1656<br>DRAWN BY: CHYK<br>CHKD: APPR: WOSHY<br>REV: 1 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |  | DIMENSION STYLE<br>MM ONLY                |  | SCALE                                                                            | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |
|                                                                                           |                                      |                                                                                                                               |  | DRAWN BY DATE<br>KUNNINGHAM 2011/11/08    |  | TITLE<br>CONNECTOR ASSEMBLY<br>2-WAY FUEL 15MM FEMALE<br>FUEL INJECTOR CONNECTOR |                        |                                                                                                              |
|                                                                                           |                                      |                                                                                                                               |  | CHECKED BY DATE<br>MYANSLAMBROU 1/26/2012 |  | <b>molex</b>                                                                     |                        |                                                                                                              |
|                                                                                           |                                      |                                                                                                                               |  | APPROVED BY DATE                          |  |                                                                                  |                        |                                                                                                              |
|                                                                                           |                                      |                                                                                                                               |  | MATERIAL NO.<br>SEE BOM                   |  |                                                                                  |                        |                                                                                                              |
| ANGULAR ± 3 °                                                                             |                                      | DOCUMENT NO.<br>SD-34062-002                                                                                                  |  | SHEET NO.<br>5 OF 7                       |  |                                                                                  |                        |                                                                                                              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                   |                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                           |  |                                                                                  |                        |                                                                                                              |



Figure 1 shows two dimensional drawings of the connector. The left drawing is a front view showing three pins. The first pin has a width of 13.90 MIN. The second pin has a width of 15.80 MIN. The total width of the three pins is 15.65 MIN. The right drawing is a side view showing the same three pins. The first pin has a height of 11.00 MIN. The second pin has a height of 11.00 MIN. Both drawings indicate DATUM A and DATUM B.

A technical line drawing of a U-shaped metal profile, likely a component of a mechanical assembly. The profile has a wide, flat base and two vertical flanges on either side. The flanges are slightly curved and have a small, rectangular protrusion at their outer ends. The drawing is shown in a perspective view, highlighting the three-dimensional shape of the component.

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a cross-section of a cylindrical component with a flange. Key dimensions and callouts include:

- 12 R (4.00)**: Dimension for the radius of the top flange.
- 11 0.65 ± 0.15 ALL AROUND**: Dimension for the thickness of the flange, specified as 0.65 ± 0.15 mm all around.
- 2.20**: Dimension for the thickness of the main body of the component.

CD 10 2X 3,40±0,15

R0.5 MAX.

150 ALL AROUND

CD 10

SURFACE MUST BE FREE

D

Technical drawing of a connector housing. Dimensions include: 9.50 (width), 1.70 (height), 3.17 (height), 2X R0.30 MAX. (fillet radius), 16.20 (width), and 16.20 (width). Datums are labeled: DATUM A (bottom center), DATUM B (left side), and DATUM C (top center). Surface finish symbols are present: CD 17 (top surface), CD 16 (right side), CD 20 (bottom surface), and CD 19 (left side).

[illegible][illegible]

(120)  
 (CD 30) (CD 30) (CD 30) (CD 37)  
 REFER TO EWCAP DWG. NO. EWCAP-001  
 150-T001  
 15 TERMINAL BLADE CONFIGURATION

(CD 50) 1.35  
 (CD 50) R10  
 (CD 52) 6.60  
 (CD 52) 6.00 MIN. TYPICAL  
 (CD 53) 1.00  
 (CD 50) 30  
 (R0.50) (CD 50)  
 R10  
 6.00 MIN. (CD 50)  
 8.5" x 4"  
 (CD 50)  
 (CD 49) R0.20 MAX.  
 (CD 48) R0.20 MAX.  
 (CD 47) 0.75

CONSTRUCTION BELOW THIS SURFACE  
 IS NOT CONTROLLED BY EWCAP. NO PLASTIC  
 FEATURES MAY EXTEND ABOVE THIS SURFACE

SECTION X-X

|        |       |                                                             |
|--------|-------|-------------------------------------------------------------|
| E      | BLACK | E                                                           |
| F      | GRAY  | D                                                           |
| G      | BLACK | C                                                           |
| OPTION | COLOR | SIMILAR TO AFL DRAWING R6341<br>(OPTION GEOMETRY IDENTICAL) |

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 INSURE THAT THE CONNECTOR-HEADER POLARIZATION  
FEATURES (OPTIONS A THRU D) 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 SAE/USCAR 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.

|                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                      |                                               |                                                                                                                 |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| ENTER DESCRIPTION<br>EC NO. UA102/04-1656<br>DRAWING<br>APPR: MOSH<br>DATE: 2014/04/29 | QUALITY SYMBOLS<br><br><br><br> | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.3 ± ---<br>1 PLACE ± 0.0 ± ---<br>0 PLACE ± ± | DIMENSION STYLE<br><b>MM ONLY</b><br>DRAWN BY DATE<br>KXUNINGHAM 2011/11/08<br>CHECKED BY<br>WMSANLAMBROU 1/26/2012<br>APPROVED BY DATE                                                                                                                                                              | SCALE<br>5:1<br>DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE<br> PROJECTION |
|                                                                                        | CONNECTOR ASSEMBLY<br>2-WAY FUEL 15MM FEMALE<br>FUEL INJECTOR CONNECTOR                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                      |                                               |                                                                                                                 |
|                                                                                        |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                      |                                               |                                                                                                                 |
|                                                                                        | DRAFT HERE APPLICABLE<br>MUST BE<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                | MATERIAL NO.<br><b>SEE TABLE</b><br>SIZE<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX AND SHOULD NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. | DOCUMENT NO.<br><b>SD-34062-002</b>           | SHEET NO.<br>7 OF 7                                                                                             |