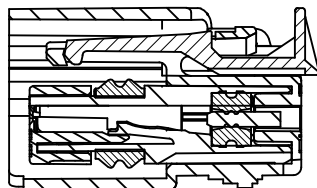
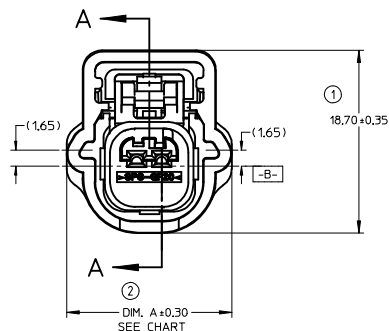


SECTION A-A  
TPA SHOWN IN AS-SHIPPED  
PRE-LOCKED POSITION  
SEE NOTE 3

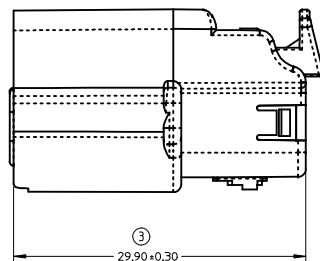


SECTION A-A  
TPA SHOWN IN FINAL  
LOCKED POSITION

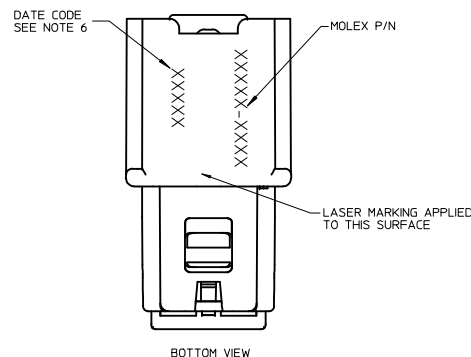


FRONT VIEW

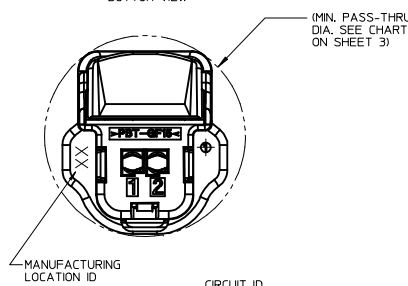
POLARIZATION A



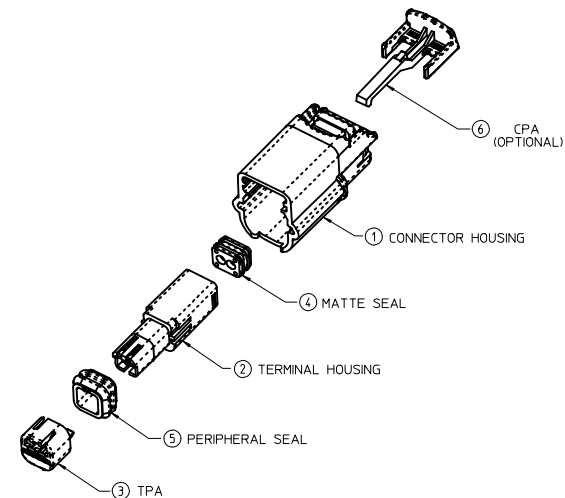
RIGHT SIDE VIEW



BOTTOM VIEW



BACK VIEW



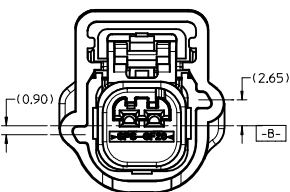
| ITEM | DESCRIPTION       | COLOR     |
|------|-------------------|-----------|
| 1    | CONNECTOR HOUSING | SEE CHART |
| 2    | TERMINAL HOUSING  | BLACK     |
| 3    | TPA               | NATURAL   |
| 4    | MATTE SEAL        | SEE CHART |
| 5    | PERIPHERAL SEAL   | SEE CHART |
| 6    | CPA - OPTIONAL    | RED       |

NOTES:

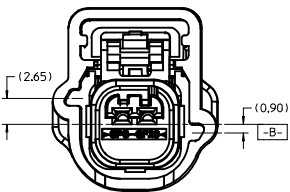
- DESIGNED TO MATE WITH DEVICE CONNECTION AS SPECIFIED IN USCAR DRAWINGS AVAILABLE AT <<http://ewcap.uscarteams.org/>>.  
1X2 064-S-002-1-Z02  
1X3 064-S-003-1-Z01  
1X4 064-S-004-1-Z02  
1X5 064-S-005-1-Z02  
1X6 064-S-006-1-Z02  
1X8 064-S-008-1-Z02
- ASSEMBLY SHIPPED WITH TPA IN PRE-LOCKED POSITION (SEE SECTION A-A). UPON FULL TERMINAL ASSEMBLY, TPA MUST BE SEATED TO THE FINAL LOCKED POSITION.
- TPA'S MAY BECOME SEATED DURING TRANSIT. IF THIS OCCURS, TPA'S SHOULD BE MOVED TO THE PRE-LOCKED POSITION PRIOR TO FEMALE TERMINAL INSTALLATION. REFERENCE PRODUCT SPECIFICATION: PS-34646-001
- SYSTEM TO BE USED WITH OUTSIDE WIRE DIAMETERS RANGING FROM 1.20MM TO 2.06MM WITHIN RANGE OF:  
- SAE 22 AWG TO 18 AWG PER ESB-MIL123-A2  
- ISO 0.35MM<sup>2</sup> TO 0.75MM<sup>2</sup> PER GMW15626 AND ES-AU5T-1A348-AA
- POLARIZATION FEATURE EFFECTIVENESS PER USCAR-2 PARAGRAPH 5.4.4 IS REDUCED WHEN TESTING ALL POLARIZATION OPTIONS: 100N MIN.
- DATE CODE: FIRST TWO DIGITS ARE THE CALENDAR YEAR (EXAMPLE: 04 = 2004), THIRD THROUGH 5TH DIGIT DAY # OF THE CALENDAR YEAR (EXAMPLE: FEB. 3RD = '034').
- SEE SHEET #2 FOR CONNECTOR ASSEMBLY WITH CLIP SLOT.
- FOR CLIPSLLOT CONNECTOR: CLIP OVERHANGS CONNECTOR. PLEASE CHECK APPLICATION (COULD CAUSE WIRE CHAFING)-SHORTER CLIP IS A RECOMMENDATION.

PART NUMBER LEGEND  
CONNECTOR ASSEMBLY

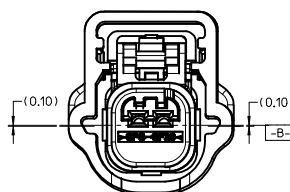
- 3140X-XXXX
- SEAL PLUG CONFIGURATION (AS MOLDED)  
0 - ALL CIRCUITS OPEN  
1-9 SEE CHART
  - CPA OPTION  
0 OR 2 - WITHOUT CPA  
1 OR 3 - WITH CPA  
4 - WITHOUT CPA, WITH CLIPSLLOT  
5 - WITH CPA, WITH CLIPSLLOT
  - USCAR POLARIZATION OPTION  
1 - POLARIZATION OPTION A  
2 - POLARIZATION OPTION B  
3 - POLARIZATION OPTION C  
4 - POLARIZATION OPTION D  
5 - POLARIZATION OPTION B, BLACK  
6 - POLARIZATION OPTION C, BLACK  
7 - POLARIZATION OPTION D, BLACK  
8 - POLARIZATION OPTION C, NATURAL  
9 - POLARIZATION OPTION D, GRAY
  - CIRCUIT SIZE 2, 3, 4, 5, 6 & 8
  - TERMINAL OPTION  
2 - TYCO/MOLEX GET 0.64  
3 - MOLEX 0.64  
4 - YAZAKI KAIZEN 0.64



POLARIZATION B



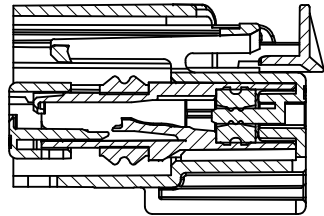
POLARIZATION C



POLARIZATION D

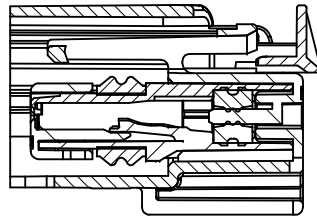
CONNECTOR ASSEMBLY  
WITHOUT CLIPSLLOT

|                                                                             |                                  |                                      |                                                                                                                                                               |                                                                                                                                                       |                                                                  |                                                                         |                                                           |                     |
|-----------------------------------------------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------|---------------------|
| ADD NEW P/N<br>EC NO: UAU2015-0819<br>DRWN: DENG02<br>CHKD:<br>APPR: VKOSHY | REV<br>DESCRIPTION<br>2014/11/21 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ±.--- ±.---<br>3 PLACES ±.--- ±.---<br>2 PLACES ±.13 ±.---<br>1 PLACE ±.3 ±.---<br>0 PLACE ±. ±. | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>RCARLSON 2003/09/25<br>CHECKED BY DATE<br>RCARLSON 2004/09/28<br>APPROVED BY DATE<br>VKOSHY 2010/11/22 | SCALE<br>4:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>0.64 USCAR CONNECTOR<br>SEALED SINGLE ROW<br>ASSEMBLY<br>molex | MATERIAL NO.<br>SEE CHART<br>DOCUMENT NO.<br>SD-31402-211 | SHEET NO.<br>1 OF 5 |
|                                                                             |                                  |                                      |                                                                                                                                                               |                                                                                                                                                       |                                                                  |                                                                         |                                                           |                     |



SECTION C-C

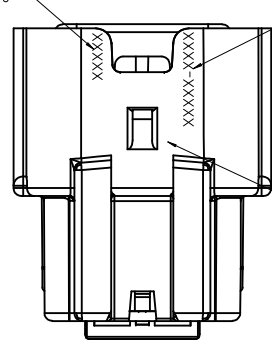
TPA SHOWN IN AS-SHIPED  
PRE-LOCKED POSITION  
SEE NOTE 3



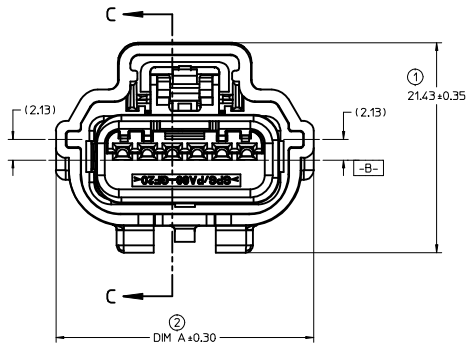
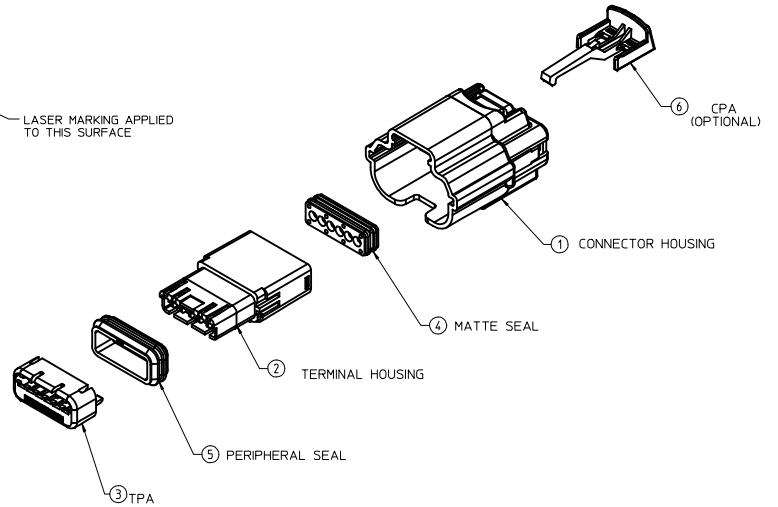
SECTION C-C

TPA SHOWN IN FINAL  
LOCKED POSITION

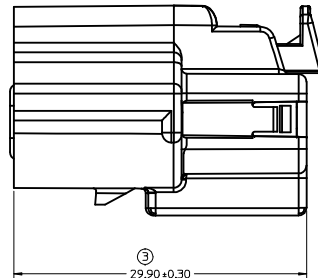
DATE CODE  
SEE NOTE 6



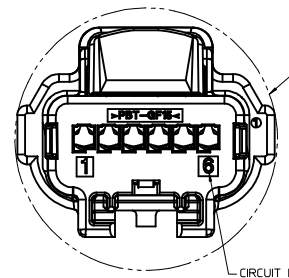
BOTTOM VIEW



FRONT VIEW  
POLARIZATION A



RIGHT SIDE VIEW



BACK VIEW

## CONNECTOR ASSEMBLY WITH CLIPSLOT

|                                                                                      |                           |                                      |                                                                                                                                                                                                            |                                                                                                |                                                                                                                                           |                                                                         |                              |                     |
|--------------------------------------------------------------------------------------|---------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------|---------------------|
| ADD NEW P/N<br>EC NO: UAU2015-0819<br>DRAWN: JENG02<br>CHKD: APPR: VKOSHY<br>REV: K1 | DESCRIPTION<br>2014/11/21 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>4 PLACES ± ---<br>3 PLACES ± ---<br>2 PLACES ± 0.13<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>SCALE<br>4:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | DRAWN BY<br>RCARLSON<br>CHECKED BY<br>RCARLSON<br>APPROVED BY<br>VKOSHY<br>DATE<br>2003/09/25<br>DATE<br>2004/09/28<br>DATE<br>2010/11/22 | TITLE<br>0.64 USCAR CONNECTOR<br>SEALED SINGLE ROW<br>ASSEMBLY<br>molex | DOCUMENT NO.<br>SD-31402-211 | SHEET NO.<br>2 OF 5 |
|                                                                                      |                           |                                      |                                                                                                                                                                                                            |                                                                                                |                                                                                                                                           |                                                                         |                              |                     |

| PART NUMBER WITHOUT CPA | PART NUMBER WITH CPA | CLIPSLOT OPTION | ROW/ CIRCUITS | KEY* | MATTE SEAL COLOR | PERIMETER SEAL COLOR | CONNECTOR COLOR | WIDTH DIM (A) | MIN. PASS THRU DIA. | FEMALE TERMINAL SUPPLIER | USCAR FOOTPRINT DRAWING NO. | STATUS                    |
|-------------------------|----------------------|-----------------|---------------|------|------------------|----------------------|-----------------|---------------|---------------------|--------------------------|-----------------------------|---------------------------|
| 31402-2100              | 31402-2110           | NO              | 1 X 2         | A    | ROYAL BLUE       | BLUE                 | BLACK           | 16.88         | (20,80)             | TYCO OR MOLEX GET 0.64   | 064-S-002-1-Z02             | TOOLED                    |
| 31402-2200              | 31402-2210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31402-2300              | 31402-2310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31402-2400              | 31402-2410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31402-2500              | 31402-2510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-2600              | 31402-2610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-2700              | 31402-2710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-2100              | 31403-2110           |                 |               | A    |                  |                      | BLACK           |               |                     | MOLEX 0.64               |                             | TOOLED                    |
| 31403-2200              | 31403-2210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31403-2300              | 31403-2310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31403-2400              | 31403-2410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31403-2500              | 31403-2510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED BUT NOT VALIDATED  |
| 31403-2600              | 31403-2610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-2700              | 31403-2710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-2800              | 31403-2810           |                 |               | C    |                  |                      | NATURAL         |               |                     | OK TO TOOL               |                             |                           |
| 31403-2900              | 31403-2910           |                 |               | D    |                  |                      | GRAY            |               |                     | TOOLED                   |                             |                           |
| 31404-2100              | 31404-2110           |                 |               | A    |                  |                      | BLACK           |               |                     | YAZAKI KAIZEN 0.64       |                             | NOT TOOLED                |
| 31404-2200              | 31404-2210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31404-2300              | 31404-2310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31404-2400              | 31404-2410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31404-2500              | 31404-2510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-2600              | 31404-2610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-2700              | 31404-2710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31402-3100              | 31402-3110           | NO              | 1 X 3         | A    | LIGHT BLUE       | RUST RED             | BLACK           | 18.70         | (22,00)             | TYCO OR MOLEX GET 0.64   | 064-S-003-1-Z01             | TOOLED                    |
| 31402-3200              | 31402-3210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31402-3300              | 31402-3310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31402-3400              | 31402-3410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31402-3500              | 31402-3510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-3600              | 31402-3610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-3700              | 31402-3710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-3100              | 31403-3110           |                 |               | A    |                  |                      | BLACK           |               |                     | MOLEX 0.64               |                             | TOOLED                    |
| 31403-3200              | 31403-3210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31403-3300              | 31403-3310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31403-3400              | 31403-3410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31403-3500              | 31403-3510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-3600              | 31403-3610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-3700              | 31403-3710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-3100              | 31404-3110           |                 |               | A    |                  |                      | BLACK           |               |                     | YAZAKI KAIZEN 0.64       |                             | TOOLED                    |
| 31404-3200              | 31404-3210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31404-3300              | 31404-3310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31404-3400              | 31404-3410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31404-3500              | 31404-3510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-3600              | 31404-3610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-3700              | 31404-3710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-4100              | 31402-4110           | NO              | 1 X 4         | A    | TBD              | TBD                  | BLACK           | 21.25         | (22,34)             | TYCO OR MOLEX GET 0.64   | 064-S-004-1-Z02             | NOT TOOLED                |
| 31402-4200              | 31402-4210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31402-4300              | 31402-4310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31402-4400              | 31402-4410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31402-4500              | 31402-4510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31402-4600              | 31402-4610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31402-4700              | 31402-4710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31403-4100              | 31403-4110           |                 |               | A    |                  |                      | BLACK           |               |                     | MOLEX 0.64               |                             | NOT TOOLED                |
| 31403-4200              | 31403-4210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31403-4300              | 31403-4310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31403-4400              | 31403-4410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31403-4500              | 31403-4510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31403-4600              | 31403-4610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31403-4700              | 31403-4710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-4100              | 31404-4110           |                 |               | A    |                  |                      | BLACK           |               |                     | YAZAKI KAIZEN 0.64       |                             | NOT TOOLED                |
| 31404-4200              | 31404-4210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31404-4300              | 31404-4310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31404-4400              | 31404-4410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31404-4500              | 31404-4510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-4600              | 31404-4610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-4700              | 31404-4710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-4800              | 31404-4810           |                 |               | A    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED                |

|                                                                                     |                                      |                                                                                                                                                                                                                               |                            |  |                              |                                                          |                        |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|------------------------------|----------------------------------------------------------|------------------------|
| ADD NEW P/N<br>EC NO: UAU2015-0819<br>DRAWN: JENG02<br>CHKD:<br>APPR: VKOSHY<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.3 ± ---<br>0 PLACE ± ±<br>ANGULAR ± 3 °<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>4:1                 | DESIGN UNITS<br>METRIC                                   | THIRD ANGLE PROJECTION |
|                                                                                     |                                      |                                                                                                                                                                                                                               | DRAWN BY<br>RCARLSON       |  | DATE<br>2003/09/25           | TITLE<br>0.64 USCAR CONNECTOR SEALED SINGLE ROW ASSEMBLY |                        |
|                                                                                     |                                      |                                                                                                                                                                                                                               | CHECKED BY<br>RCARLSON     |  | DATE<br>2004/09/28           | APPROVED BY<br>VKOSHY                                    |                        |
|                                                                                     |                                      |                                                                                                                                                                                                                               | MATERIAL NO.<br>SEE CHART  |  | DOCUMENT NO.<br>SD-31402-211 | SHEET NO.<br>3 OF 5                                      |                        |

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

| PART NUMBER WITHOUT CPA | PART NUMBER WITH CPA | CLIPSLOT OPTION | ROW/ CIRCUITS | KEY*       | MATTE SEAL COLOR | PERMETER SEAL COLOR | CONNECTOR COLOR | WIDTH DIM (A) | MIN. PASS THRU DIA. | FEMALE TERMINAL SUPPLIER | USCAR FOOTPRINT DRAWING NO. | STATUS                    |
|-------------------------|----------------------|-----------------|---------------|------------|------------------|---------------------|-----------------|---------------|---------------------|--------------------------|-----------------------------|---------------------------|
| 31402-5100              | 31402-5110           | NO              | 1 X 5         | A          | TBD              | TBD                 | BLACK           | 23.80         | (24.28)             | TYCO OR MOLEX GET 0.64   | 064-S-005-1-Z02             | NOT TOOLED                |
| 31402-5200              | 31402-5210           |                 |               | B          |                  |                     | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31402-5300              | 31402-5310           |                 |               | C          |                  |                     | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31402-5400              | 31402-5410           |                 |               | D          |                  |                     | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31402-5500              | 31402-5510           |                 |               | B          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31402-5600              | 31402-5610           |                 |               | C          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31402-5700              | 31402-5710           |                 |               | D          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31403-5100              | 31403-5110           |                 |               | A          |                  |                     | BLACK           |               |                     | MOLEX 0.64               |                             | NOT TOOLED                |
| 31403-5200              | 31403-5210           |                 |               | B          |                  |                     | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31403-5300              | 31403-5310           |                 |               | C          |                  |                     | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31403-5400              | 31403-5410           |                 |               | D          |                  |                     | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31403-5500              | 31403-5510           |                 |               | B          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31403-5600              | 31403-5610           |                 |               | C          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31403-5700              | 31403-5710           |                 |               | D          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-5100              | 31404-5110           |                 |               | A          |                  |                     | BLACK           |               |                     | YAZAKI KAIZEN 0.64       |                             | NOT TOOLED                |
| 31404-5200              | 31404-5210           |                 |               | B          |                  |                     | GRAY            |               |                     |                          |                             | NOT TOOLED                |
| 31404-5300              | 31404-5310           |                 |               | C          |                  |                     | BROWN           |               |                     |                          |                             | NOT TOOLED                |
| 31404-5400              | 31404-5410           |                 |               | D          |                  |                     | GREEN           |               |                     |                          |                             | NOT TOOLED                |
| 31404-5500              | 31404-5510           |                 |               | B          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-5600              | 31404-5610           |                 |               | C          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31404-5700              | 31404-5710           |                 |               | D          |                  |                     | BLACK           |               |                     |                          |                             | NOT TOOLED                |
| 31402-6100              | 31402-6110           | NO              | 1 X 6         | A          | ROYAL BLUE       | LIGHT BLUE          | BLACK           | 26.33         | (26.82)             | TYCO OR MOLEX GET 0.64   | 064-S-006-1-Z02             | TOOLED                    |
| 31402-6200              | 31402-6210           |                 |               | B          |                  |                     | GRAY            |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31402-6300              | 31402-6310           |                 |               | C          |                  |                     | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31402-6400              | 31402-6410           |                 |               | D          |                  |                     | GREEN           |               |                     |                          |                             | TOOLED                    |
| 31402-6500              | 31402-6510           |                 |               | B          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-6600              | 31402-6610           |                 |               | C          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31402-6700              | 31402-6710           |                 |               | D          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-6100              | 31403-6110           |                 |               | A          |                  |                     | BLACK           |               |                     | MOLEX 0.64               |                             | TOOLED                    |
| 31403-6200              | 31403-6210           |                 |               | B          |                  |                     | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31403-6300              | 31403-6310           |                 |               | C          |                  |                     | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31403-6400              | 31403-6410           |                 |               | D          |                  |                     | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31403-6500              | 31403-6510           |                 |               | B          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-6600              | 31403-6610           |                 |               | C          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31403-6700              | 31403-6710           |                 |               | D          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-6100              | 31404-6110           |                 |               | A          |                  |                     | BLACK           |               |                     | YAZAKI KAIZEN 0.64       |                             | TOOLED                    |
| 31404-6200              | 31404-6210           |                 |               | B          |                  |                     | GRAY            |               |                     |                          |                             | TOOLED                    |
| 31404-6300              | 31404-6310           |                 |               | C          |                  |                     | BROWN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31404-6400              | 31404-6410           |                 |               | D          |                  |                     | GREEN           |               |                     |                          |                             | TOOLED, COLOR UNAVAILABLE |
| 31404-6500              | 31404-6510           |                 |               | B          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-6600              | 31404-6610           |                 |               | C          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-6700              | 31404-6710           |                 |               | D          |                  |                     | BLACK           |               |                     |                          |                             | TOOLED                    |
| 31404-6800              | 31404-6810           | C               | NATURAL       | OK TO TOOL |                  |                     |                 |               |                     |                          |                             |                           |

|                                                                                                           |                                      |                                                                                                                               |       |                                   |  |                                                 |                        |                        |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|--|-------------------------------------------------|------------------------|------------------------|
| ADD NEW P/N<br>EC NO. UAU2015-0819<br>DRAWN: JENGOZ 2014/11/20<br>CHKD:<br>APPR: VKOSHY 2014/11/21<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  | DATE                              |  | TITLE                                           |                        |                        |
|                                                                                                           |                                      | 4 PLACES ± ---                                                                                                                | ± --- | DRAWN BY<br>RCARLSON 2003/09/25   |  | 0.64 USCAR CONNECTOR SEALED SINGLE ROW ASSEMBLY |                        |                        |
|                                                                                                           |                                      | 3 PLACES ± ---                                                                                                                | ± --- | CHECKED BY<br>RCARLSON 2004/09/28 |  | molex                                           |                        |                        |
| ANGULAR ± 3 °                                                                                             |                                      | MATERIAL NO.                                                                                                                  |       | DOCUMENT NO.                      |  | SHEET NO.                                       |                        |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                      |                                      | SEE CHART                                                                                                                     |       | SD-31402-211                      |  | 4 OF 5                                          |                        |                        |
|                                                                                                           |                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                                   |  |                                                 |                        |                        |

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

| PART NUMBER WITHOUT CPA | PART NUMBER WITH CPA | CLIPSLOT OPTION | ROW/ CIRCUITS | KEY# | MATTE SEAL COLOR | PERIMETER SEAL COLOR | CONNECTOR COLOR | WIDTH DIM (A) | MIN. PASS THRU DIA. | FEMALE TERMINAL SUPPLIER | USCAR FOOTPRINT DRAWING NO. | STATUS     |
|-------------------------|----------------------|-----------------|---------------|------|------------------|----------------------|-----------------|---------------|---------------------|--------------------------|-----------------------------|------------|
| 31402-8100              | 31402-8110           | NO              | 1 X 8         | A    | TBD              | TBD                  | BLACK           | 31.25         | (31.90)             | TYCO OR MOLEX GET 0.64   | 064-S-008-1-Z02             | NOT TOOLED |
| 31402-8200              | 31402-8210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED |
| 31402-8300              | 31402-8310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED |
| 31402-8400              | 31402-8410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED |
| 31402-8500              | 31402-8510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31402-8600              | 31402-8610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31402-8700              | 31402-8710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31403-8100              | 31403-8110           |                 |               | A    |                  |                      | BLACK           |               |                     | MOLEX 0.64               |                             | NOT TOOLED |
| 31403-8200              | 31403-8210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED |
| 31403-8300              | 31403-8310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED |
| 31403-8400              | 31403-8410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED |
| 31403-8500              | 31403-8510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31403-8600              | 31403-8610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31403-8700              | 31403-8710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31404-8100              | 31404-8110           |                 |               | A    |                  |                      | BLACK           |               |                     | YAZAKI KAIZEN 0.64       |                             | NOT TOOLED |
| 31404-8200              | 31404-8210           |                 |               | B    |                  |                      | GRAY            |               |                     |                          |                             | NOT TOOLED |
| 31404-8300              | 31404-8310           |                 |               | C    |                  |                      | BROWN           |               |                     |                          |                             | NOT TOOLED |
| 31404-8400              | 31404-8410           |                 |               | D    |                  |                      | GREEN           |               |                     |                          |                             | NOT TOOLED |
| 31404-8500              | 31404-8510           |                 |               | B    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31404-8600              | 31404-8610           |                 |               | C    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |
| 31404-8700              | 31404-8710           |                 |               | D    |                  |                      | BLACK           |               |                     |                          |                             | NOT TOOLED |

ADDITIONAL CAVITY PLUG CONFIGURATIONS:

| ROW/ CIRCUITS | FEMALE TERMINAL | MOLEX P/N WITH CPA | MOLEX P/N WITHOUT CPA | KEY OPTION | CLIPSLOT OPTION | COLOR   | CIRCUIT NUMBER:<br>"0" INDICATED PLUG LOCATION |   |   |   |   |   | TOTAL CIRCUITS PLUGGED | STATUS     |
|---------------|-----------------|--------------------|-----------------------|------------|-----------------|---------|------------------------------------------------|---|---|---|---|---|------------------------|------------|
|               |                 |                    |                       |            |                 |         | 1                                              | 2 | 3 | 4 | 5 | 6 |                        |            |
| 1X6           | TYCO/MOLEX GET  | 31402-6110         | 31402-6100            | A          | NO              | BLACK   |                                                |   |   |   |   |   | 0                      | TOOLED     |
|               |                 | 31402-6111         | 31402-6101            | A          | NO              | BLACK   | 0                                              | 0 | 0 | 0 | 0 | 0 | 6                      | TOOLED     |
|               |                 | 31402-6112         | 31402-6102            | A          | NO              | BLACK   | 0                                              | 0 |   |   |   |   | 2                      | TOOLED     |
|               |                 | 31402-6113         | 31402-6103            | A          | NO              | BLACK   |                                                | 0 |   |   |   |   | 1                      | TOOLED     |
|               |                 | 31402-6114         | 31402-6104            | A          | NO              | BLACK   | 0                                              | 0 | 0 | 0 |   |   | 4                      | TOOLED     |
|               |                 | 31402-6115         | 31402-6105            | A          | NO              | BLACK   |                                                |   | 0 |   | 0 | 0 | 3                      | TOOLED     |
|               | MOLEX 0.64      | 31402-6150         | 31402-6140            | A          | YES             | BLACK   |                                                |   |   |   |   |   | 0                      | TOOLED     |
|               |                 | 31403-6110         | 31403-6100            | A          | NO              | BLACK   |                                                |   |   |   |   |   | 0                      | TOOLED     |
|               |                 | 31403-6111         | 31403-6101            | A          | NO              | BLACK   | 0                                              | 0 | 0 | 0 | 0 | 0 | 6                      | TOOLED     |
|               |                 | 31403-6112         | 31403-6102            | A          | NO              | BLACK   |                                                |   | 0 |   |   |   | 1                      | TOOLED     |
|               |                 | 31403-6113         | 31403-6103            | A          | NO              | BLACK   | 0                                              | 0 | 0 |   | 0 |   | 4                      | TOOLED     |
|               |                 | 31404-6110         | 31404-6100            | A          | NO              | BLACK   |                                                |   |   |   |   |   | 0                      | TOOLED     |
|               |                 | 31404-6111         | 31404-6101            | A          | NO              | BLACK   | 0                                              | 0 | 0 | 0 | 0 | 0 | 6                      | TOOLED     |
|               |                 | 31404-6112         | 31404-6102            | A          | NO              | BLACK   | 0                                              | 0 |   |   |   |   | 2                      | TOOLED     |
|               |                 | 31404-6113         | 31404-6103            | A          | NO              | BLACK   | 0                                              |   |   |   | 0 |   | 2                      | TOOLED     |
|               |                 | 31404-6116         | 31404-6106            | A          | NO              | BLACK   |                                                |   |   |   | 0 |   | 1                      | TOOLED     |
|               |                 | 31404-6117         | 31404-6107            | A          | NO              | BLACK   | 0                                              |   | 0 |   | 0 |   | 3                      | TOOLED     |
|               |                 | 31404-6118         | 31404-6108            | A          | NO              | BLACK   | 0                                              |   |   |   |   |   | 1                      | TOOLED     |
|               | YAZAKI KAIZEN   | 31404-6119         | 31404-6109            | A          | NO              | BLACK   |                                                |   | 0 |   | 0 | 0 | 3                      | TOOLED     |
|               |                 | 31404-6132         | 31404-6122            | A          | NO              | BLACK   |                                                |   | 0 |   |   |   | 1                      | TOOLED     |
|               |                 | 31404-6213         | 31404-6203            | B          | NO              | GRAY    | 0                                              |   |   |   | 0 |   | 2                      | TOOLED     |
|               |                 | 31404-6214         | 31404-6204            | B          | NO              | GRAY    |                                                |   |   |   | 0 |   | 1                      | OK TO TOOL |
|               |                 | 31404-6812         | 31404-6802            | C          | NO              | NATURAL |                                                |   | 0 | 0 | 0 |   | 3                      | OK TO TOOL |
|               |                 | 31402-3113         | 31402-3103            | A          | NO              | BLACK   |                                                |   | 0 |   |   |   | 1                      | OK TO TOOL |
| 1X3           | TYCO/MOLEX GET  | 31402-3113         | 31402-3103            | A          | NO              | BLACK   |                                                |   | 0 |   |   |   | 1                      | OK TO TOOL |

(J9)

(J10)

(K1)

(K)

ADD NEW P/N  
EC NO. UAU2015-0819  
DRAWN:JEN002  
CHKD:  
APPR:VKOSHY

2014/11/20  
2014/11/21  
REV

QUALITY SYMBOLS  
▽=0  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± ---  
2 PLACES ± 0.13 ± ---  
1 PLACE ± 0.3 ± ---  
0 PLACE ± ±  
ANGULAR ± 3 °  
DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

DRAWN BY  
RCARLSON

CHECKED BY  
RCARLSON

APPROVED BY  
VKOSHY

DATE  
2003/09/25

DATE  
2004/09/28

DATE  
2010/11/22

SCALE  
4:1

DESIGN UNITS  
METRIC

THIRD ANGLE PROJECTION

TITLE  
0.64 USCAR CONNECTOR  
SEALED SINGLE ROW  
ASSEMBLY

**molex**

MATERIAL NO.  
SEE CHART

DOCUMENT NO.  
SD-31402-211

SHEET NO.  
5 OF 5

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[34977-2100](#)