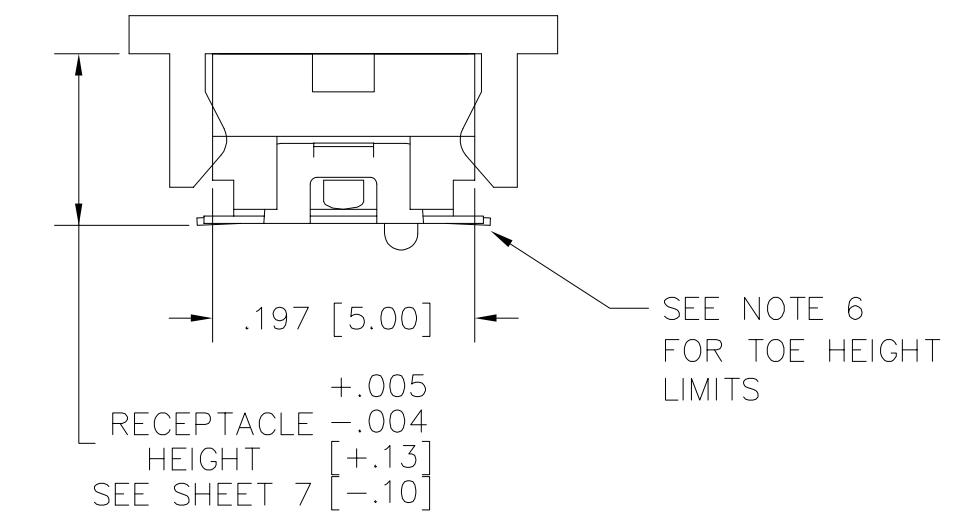
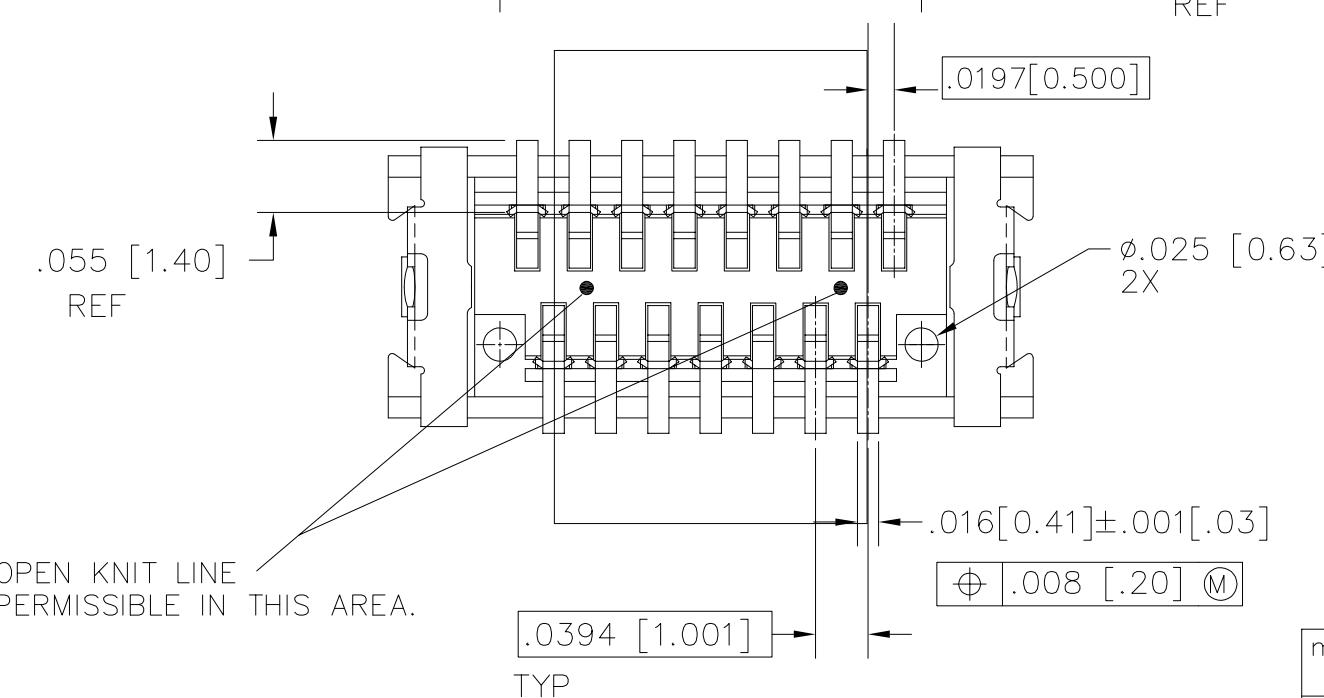
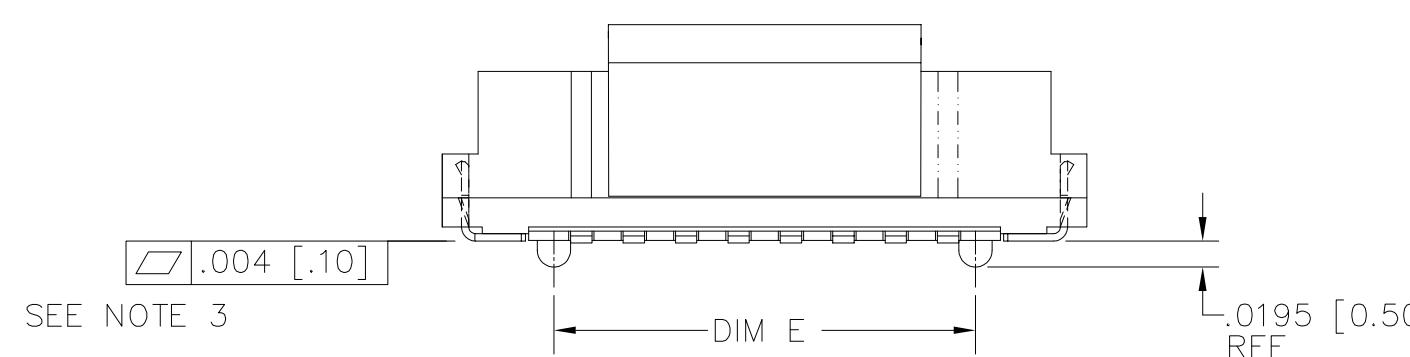
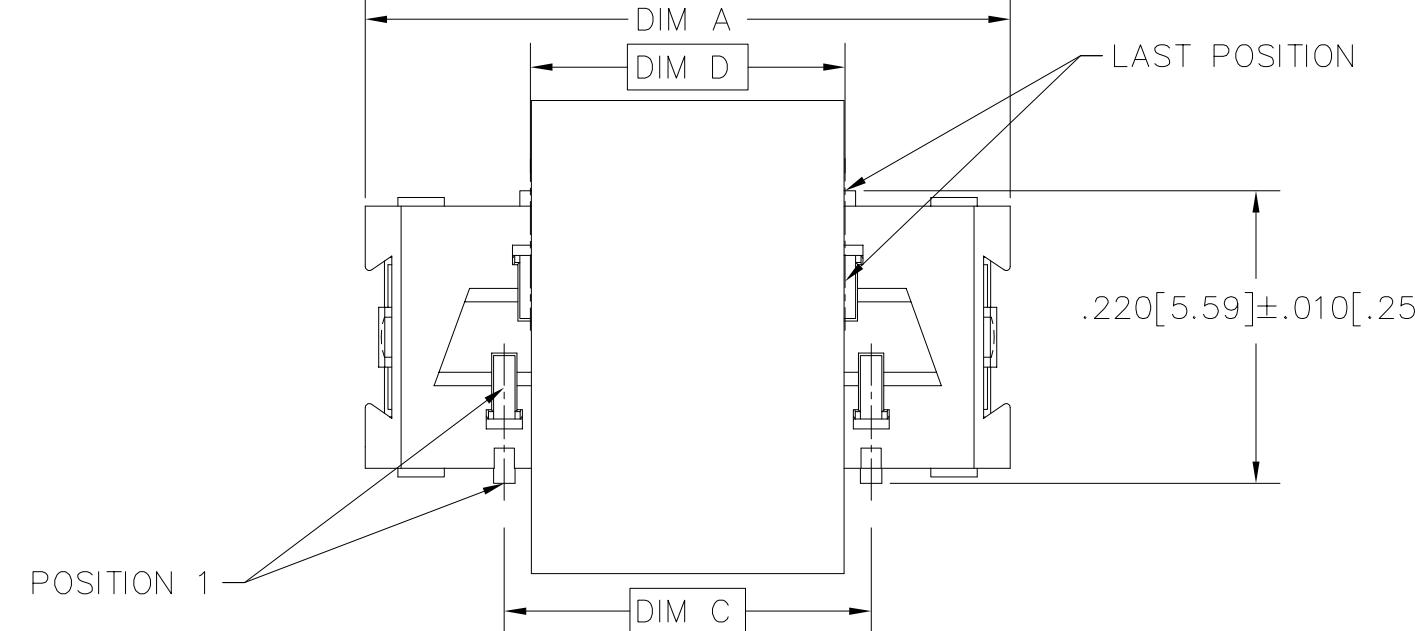


| mat'l. code |                |      |            | surface                               |            | tolerance  | projection   | product family                    |
|-------------|----------------|------|------------|---------------------------------------|------------|------------|--------------|-----------------------------------|
| Itr         | ecn no         | dr   | date       | tolerances unless otherwise specified |            | ISO 406    | 1101         | CONAN®                            |
| AG          | ELX-N-14208    | GM   | 2013-03-17 | angles                                | linear     | .0±.30     | INCH/MM      | CONAN® CONNECTOR ASSEMBLY         |
| AH          | ELX-N-22454    | EH   | 2015-10-11 |                                       |            | .00±.20    |              |                                   |
| AJ          | —              | EH   | 2015-12-12 | 0°±x°                                 |            | .000±.10   | scale 1:1    |                                   |
| AK          | ELX-N-26578    | TONY | 2017-04-07 | dr                                    | Eric Huang | 2015-10-11 | Amphenol FCI | dwg no 91900 sheet 1 of 7 size A3 |
| AL          | ELX-N-26810    | TONY | 2017-04-26 | engr                                  | Bob Gu     | 2019-12-17 |              |                                   |
| AM          | ELX-N-35652    | Bob  | 2019-12-17 | chr                                   | LQ Lei     | 2019-12-17 |              |                                   |
|             |                |      |            | appd                                  | Tim Yao    | 2019-12-17 |              |                                   |
| sheet index | revision sheet | AL   | AM         |                                       |            |            |              |                                   |
|             | 1              | 7    |            |                                       |            |            |              |                                   |

PRODUCT NUMBER  
SEE TABLE

| mat'l. code |        |                |      | surface    | tolerance  | projection | product family |
|-------------|--------|----------------|------|------------|------------|------------|----------------|
| Itr         | ecn no | dr             | date | ISO 1302 ✓ | ISO 406    | ISO 1101   | CONAN®         |
| AM          |        |                |      |            |            | .0±.30     |                |
|             |        |                |      |            |            | .00±.20    |                |
|             |        |                |      |            |            | .000±.10   |                |
|             |        |                |      | dr         | Eric Huang | 2019-12-17 |                |
|             |        |                |      | engr       | Bob Gu     | 2019-12-17 |                |
|             |        |                |      | chr        | LQ Lei     | 2019-12-17 |                |
|             |        |                |      | appd       | Tim Yao    | 2019-12-17 |                |
| sheet index |        | revision sheet |      |            |            |            |                |

Amphenol FCI

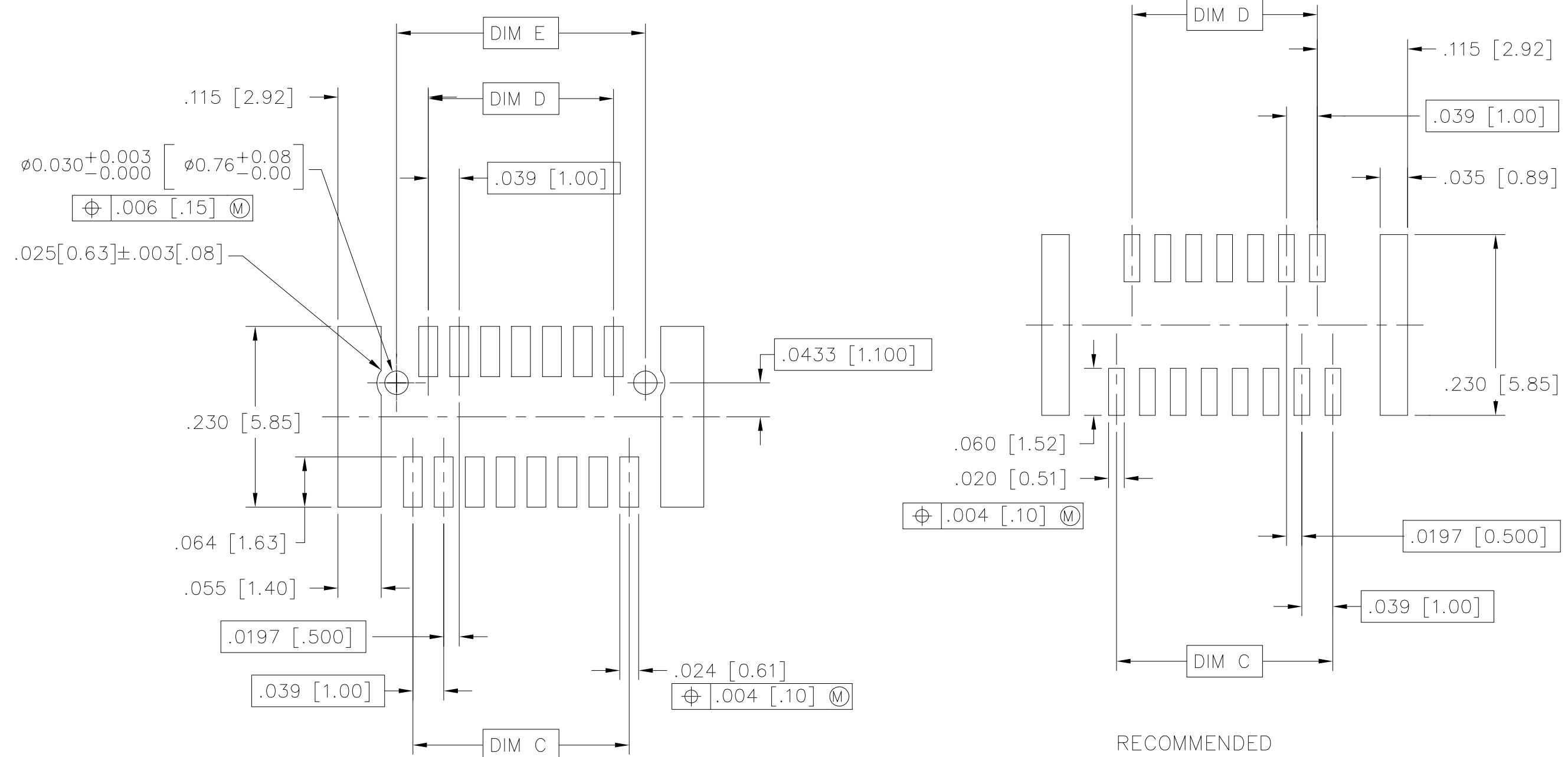
CONAN® CONNECTOR ASSEMBLY

dwg no 91900 sheet 2 of 7 size A3

type Product Customer Drawing

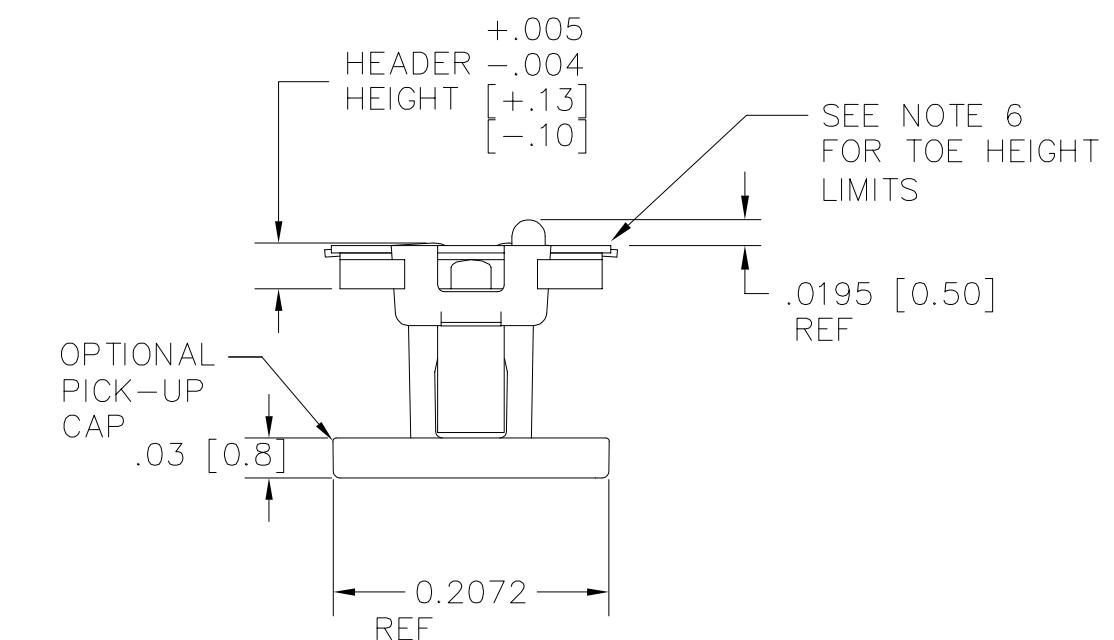
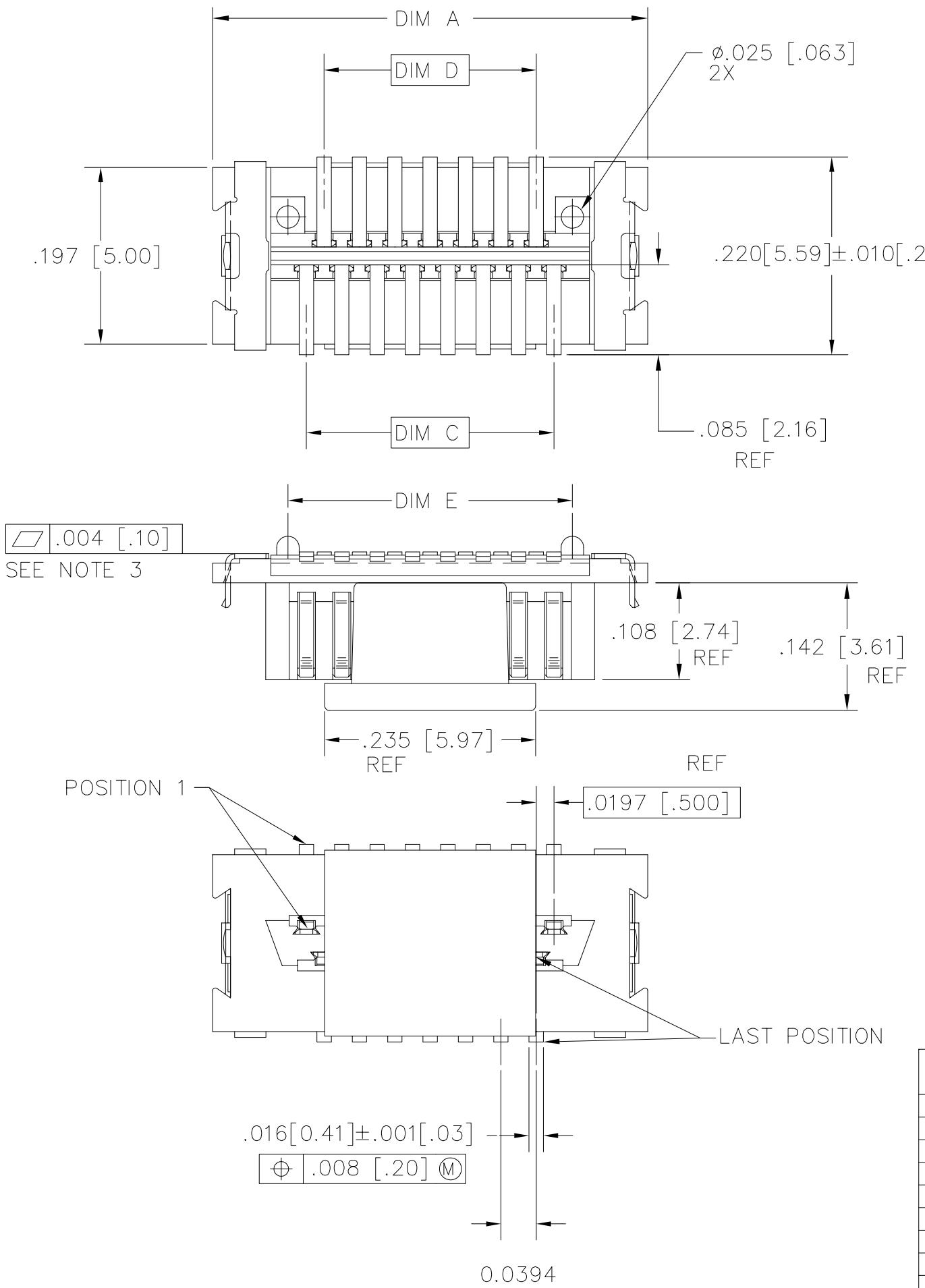
PRODUCT NUMBER  
SEE TABLE

1 | 2 3 | 4 | 5 | 6

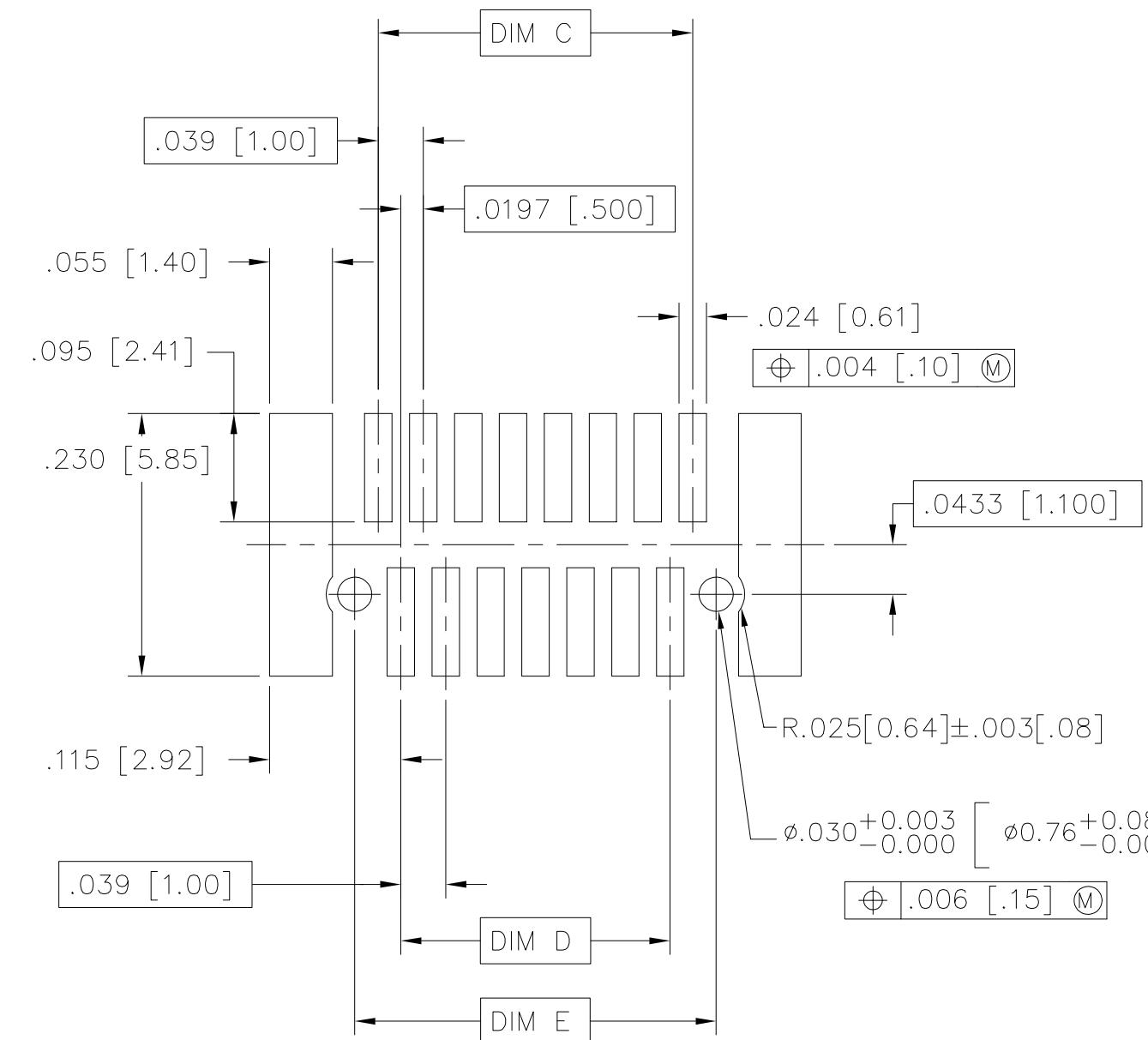
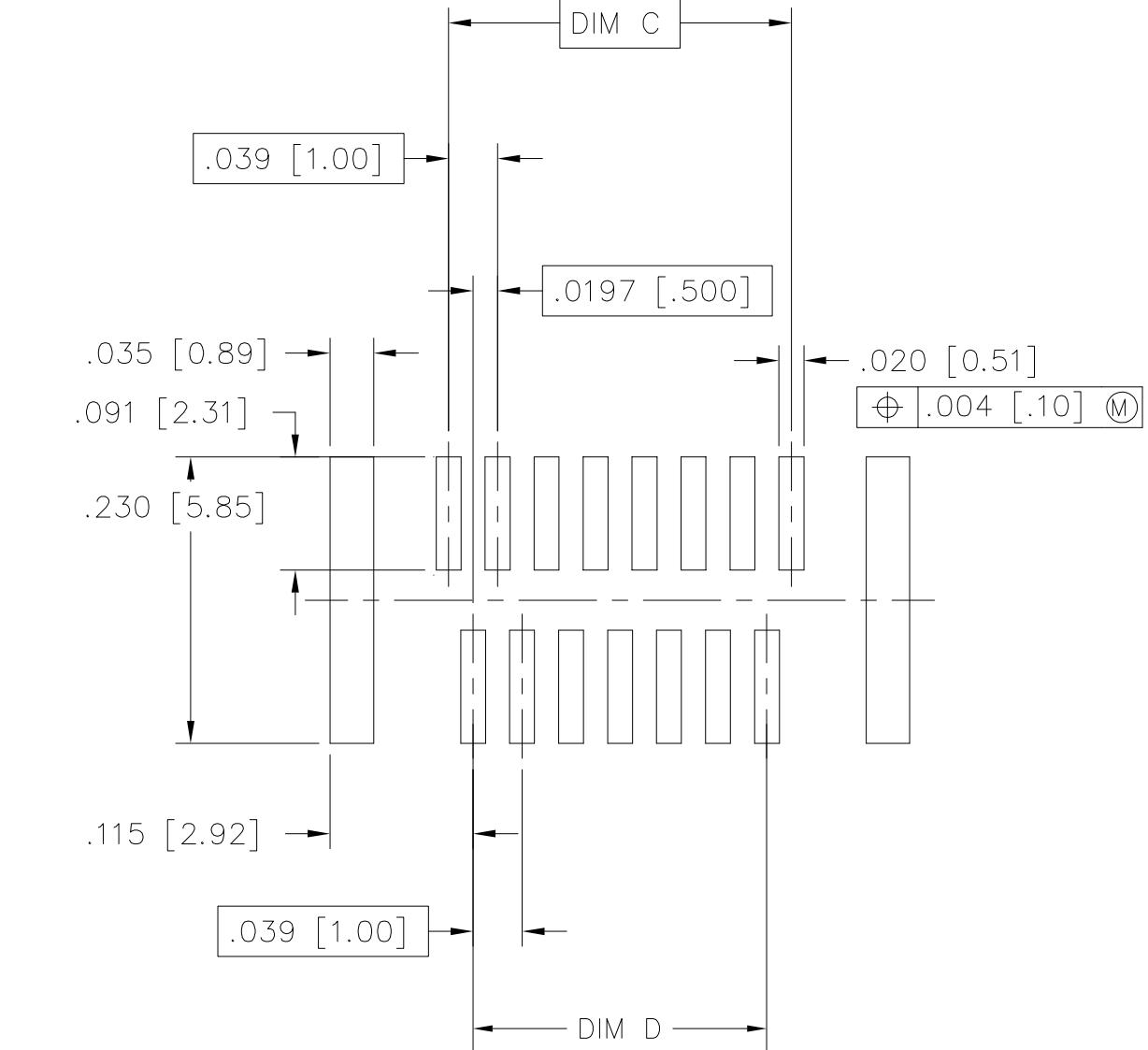


| mat'l. code |        |                |      | surface                               |        | tolerance | projection | product family                |
|-------------|--------|----------------|------|---------------------------------------|--------|-----------|------------|-------------------------------|
| Itr         | ecn no | dr             | date | tolerances unless otherwise specified |        | ISO 406   | 1101       | CONAN®                        |
|             |        |                |      | angles                                | linear | .0±.30    | INCH/MM    | title                         |
|             |        |                |      |                                       |        | .00±.20   |            | CONAN® CONNECTOR ASSEMBLY     |
|             |        |                |      |                                       |        | 0°±x°     |            | scale 1:1                     |
|             |        |                |      |                                       |        | .000±.10  |            | dwg no                        |
|             |        |                |      |                                       |        | dr        | Eric Huang | 91900                         |
|             |        |                |      |                                       |        | engr      | Bob Gu     | sheet 3 of 7                  |
|             |        |                |      |                                       |        | chr       | LQ Lei     | size A3                       |
|             |        |                |      |                                       |        | appd      | Tim Yao    | type Product Customer Drawing |
| sheet index |        | revision sheet |      |                                       |        |           |            |                               |

|                |
|----------------|
| PRODUCT NUMBER |
| SEE TABLE      |



| mat'l. code |        |          |      | surface                               |            | tolerance  | projection | product family   |
|-------------|--------|----------|------|---------------------------------------|------------|------------|------------|------------------|
| Itr         | ecn no | dr       | date | tolerances unless otherwise specified |            | ISO 406    | 1101       | CONAN®           |
|             |        |          |      | angles                                | linear     | .0±.30     |            | title            |
|             |        |          |      |                                       |            | .00±.20    |            | CONAN® CONNECTOR |
|             |        |          |      |                                       |            | 0°±x°      |            | ASSEMBLY         |
|             |        |          |      |                                       |            | .000±.10   |            | scale 1:1        |
|             |        |          |      | dr                                    | Eric Huang | 2019-12-17 |            | dwg no           |
|             |        |          |      | engr                                  | Bob Gu     | 2019-12-17 |            | 91900            |
|             |        |          |      | chr                                   | LQ Lei     | 2019-12-17 |            | sheet 4 of 7     |
|             |        |          |      | appd                                  | Tim Yao    | 2019-12-17 |            | A3               |
| sheet       |        | revision |      |                                       |            |            |            | size             |
| index       |        | sheet    |      |                                       |            |            |            |                  |

PRODUCT NUMBER  
SEE TABLERECOMMENDED  
PAD LAYOUTRECOMMENDED  
STENCIL LAYOUT  
FOR HEADER

| mat'l. code                   |            |       |            | surface                               |        | tolerance | projection | product family            |
|-------------------------------|------------|-------|------------|---------------------------------------|--------|-----------|------------|---------------------------|
| Itr                           | ecn no     | dr    | date       | tolerances unless otherwise specified |        | ISO 406   | 1101       | CONAN®                    |
|                               |            |       |            | angles                                | linear | .0±.30    | INCH/MM    | title                     |
|                               |            |       |            | 0°±x°                                 |        | .00±.20   | scale 1:1  | CONAN® CONNECTOR ASSEMBLY |
|                               |            |       |            |                                       |        | .000±.10  |            | dwg no sheet 5 of 7 size  |
| dr                            | Eric Huang |       | 2019-12-17 |                                       |        |           |            | 91900 A3                  |
| engr                          | Bob Gu     |       | 2019-12-17 |                                       |        |           |            |                           |
| chr                           | LQ Lei     |       | 2019-12-17 |                                       |        |           |            |                           |
| appd                          | Tim Yao    |       | 2019-12-17 |                                       |        |           |            |                           |
| sheet                         | revision   | sheet |            |                                       |        |           |            |                           |
| index                         | sheet      |       |            |                                       |        |           |            |                           |
| Amphenol FCI                  |            |       |            |                                       |        |           |            |                           |
| type Product Customer Drawing |            |       |            |                                       |        |           |            |                           |

| PRODUCT NUMBER | POS | DIM "A" | DIM "C"       | DIM "D"       | DIM "E"       |
|----------------|-----|---------|---------------|---------------|---------------|
| 919TC-WXY09    | A   | 9       | .366 [9.30]   | .157 [4.00]   | .118 [3.00]   |
| ↑ -WXY09LF     |     |         |               |               |               |
| -WXY11         |     | 11      | .406 [10.30]  | .197 [5.00]   | .157 [4.00]   |
| -WXY11LF       |     |         |               |               |               |
| -WXY15         |     | 15      | .484 [12.30]  | .276 [7.00]   | .236 [6.00]   |
| -WXY15LF       |     |         |               |               |               |
| -WXY21         |     | 21      | .602 [15.30]  | .394 [10.00]  | .354 [9.00]   |
| -WXY21LF       |     |         |               |               |               |
| -WXY25         |     | 25      | .681 [17.30]  | .472 [12.00]  | .433 [11.00]  |
| -WXY25LF       |     |         |               |               |               |
| -WXY31         | B   | 31      | .800 [20.30]  | .591 [15.00]  | .551 [14.00]  |
| -WXY31LF       |     |         |               |               |               |
| -WXY41         |     | 41      | .996 [25.30]  | .787 [20.00]  | .748 [19.00]  |
| -WXY41LF       |     |         |               |               |               |
| -WXY51         |     | 51      | 1.193 [30.30] | .984 [25.00]  | .945 [24.00]  |
| -WXY51LF       |     |         |               |               |               |
| -WXY69         |     | 69      | 1.547 [39.30] | 1.339 [34.00] | 1.299 [33.00] |
| ↓ -WXY69LF     |     |         |               |               |               |

## NOTES:

1. MATERIALS:  
RECEPTACLE HOUSING – LCP, UL-94V-0. COLOR: NATURAL.  
RECEPTACLE TERMINALS – COPPER ALLOY, PLATED WITH 15u"/.38u GXT™ IN CONTACT AREA AND 100u"/2.54u Sn ON SOLDER LEGS WITH AN OVERALL 50u"/1.27u Ni UNDERPLATE.
2. HEADER HOUSING – LCP, UL-94V-0. COLOR: NATURAL.  
HEADER TERMINALS – COPPER ALLOY, PLATED WITH 15u"/.38u GXT™ IN CONTACT AREA AND 100u"/2.54u Sn ON SOLDER LEGS WITH AN OVERALL 50u"/1.27u Ni UNDERPLATE.
3. RETENTION DEVICE – BRASS, PLATED WITH 100u"/2.54u Sn OVER NICKEL.
4. REFERENCE GS-12-006 FOR PRODUCT PERFORMANCE DATA.
5. SEE TA-774 FOR FURTHER DESCRIPTION OF HOW THIS DIMENSION IS APPLIED.
6. PICK AND PLACE CAP OR TAPE IS ONLY AVAILABLE WITH OPTION 3 PACKAGING. (PSA ADHESIVE SEALED). ALSO, PSA PACKAGING REQUIRES A PICK AND PLACE CAP.
7. ALSO, PSA PACKAGING REQUIRES A PICK AND PLACE CAP.
8. RECOMMENDED SOLDER PASTE THICKNESS IS .006 TO .008 INCHES THICK.
9. THE TOE HEIGHT OF THE SOLDER TAIL SHALL BE MEASURED FROM THE LOWEST POINT OF THE .004 CO-PLANARITY GRAVITY PLANE. THIS MEASUREMENT IS NOT TO EXCEED A WINDOW OF .000 TO .007 INCHES.
10. THREE SLOTS MAY BE LOCATED AT EITHER END OF HOUSING.
11. 5.50mm MATED HEIGHT IS ONLY AVAILABLE IN 9, 15 AND 31 POS.
12. 7.50mm MATED HEIGHT IS ONLY AVAILABLE IN 9 POS.
13. APPLIES TO 91921-3XYZ AND 91931- 3XYZ OPTIONS ONLY.
14. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION INFRA RED OR VAPOR PHASE REFLOW OVEN. SEE APPLICATION/PROCEDURES IF THEY ARE AVAILABLE
15. PRODUCT WITH "LF" AT THE END MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

| mat'l. code |        |                |      | surface                               |            | tolerance  | projection       | product family                     |  |
|-------------|--------|----------------|------|---------------------------------------|------------|------------|------------------|------------------------------------|--|
| Itr         | ecn no | dr             | date | tolerances unless otherwise specified |            | ISO 1302 ✓ | ISO 406 ISO 1101 | CONAN®                             |  |
|             |        |                |      | angles                                | linear     | .0±.30     | INCH/MM          | title<br>CONAN® CONNECTOR ASSEMBLY |  |
|             |        |                |      |                                       |            | .00±.20    | scale 1:1        |                                    |  |
|             |        |                |      |                                       |            | .000±.10   |                  |                                    |  |
|             |        |                |      | dr                                    | Eric Huang | 10/11/15   | Amphenol FCI     | dwg no sheet 6 of 7 size           |  |
|             |        |                |      | engr                                  | Bob Gu     | 2019-12-17 |                  | 91900 A3                           |  |
|             |        |                |      | chr                                   | LQ Lei     | 2019-12-17 |                  | type Product Customer Drawing      |  |
| sheet index |        | revision sheet |      |                                       |            |            |                  |                                    |  |

# CONAN® ASSEMBLY PART NUMBER

LEAD FREE OPTION  
SEE NOTE 12

919 T C - W X Y ZZ LF

| TYPE                    | T |
|-------------------------|---|
| HEADER WITH NO PEGS     | 0 |
| HEADER WITH PEGS        | 1 |
| RECEPTACLE WITH NO PEGS | 2 |
| RECEPTACLE WITH PEGS    | 3 |

PICK AND PLACE CAP OR TAPE  
(NOTE 4)

WITHOUT CAP OR TAPE

WITH CAP

WITH TAPE  
(RECEPTACLE ONLY)

|                             |      |
|-----------------------------|------|
| PACKAGING                   | W    |
| TUBE                        | 2    |
| PRESSURE SEALED TAPE & REEL | 3 NO |

| Y  | HEADER<br>HEIGHT | RECEPTACLE<br>HEIGHT | MATED<br>HEIGHT | +.010<br>-.008<br>[+.25]<br>[-.20] |
|----|------------------|----------------------|-----------------|------------------------------------|
| 1  | .034 [.86]       | .129 [3.28]          | .163 [4.15]     |                                    |
| 2  | .048 [1.23]      |                      | .177 [4.50]     |                                    |
| 3  | .068 [1.73]      |                      | .197 [5.00]     |                                    |
| 4  | .107 [2.72]      |                      | .236 [6.00]     |                                    |
| 5  | .1465 [3.721]    |                      | .276 [7.00]     |                                    |
| *  | 6                | .088 [2.23]          | .216 [5.50]     |                                    |
| ** | 7                | .1665 [4.229]        | .296 [7.52]     |                                    |

| ZZ | NUMBER OF POSITIONS |
|----|---------------------|
| 09 | 9                   |
| 11 | 11                  |
| 15 | 15                  |
| 21 | 21                  |
| 25 | 25                  |
| 31 | 31                  |
| 41 | 41                  |
| 51 | 51                  |
| 69 | 69                  |

\* NOTE  
\* \* NOTE

\* \* NOTE

|   |                            |
|---|----------------------------|
| X | PLATING                    |
| 1 | 15u"/.38u GXT <sup>T</sup> |
| 2 | 30u"/.76u GXT <sup>T</sup> |
| 3 | Au 30u"/.76u               |

EXAMPLE: 91921-31125LF  
IS A CONAN® RECEPTACLE ASSEMBLY,  
HAVING NO PEGS AND WITH A PICK AND PLACE CAP.  
IT ALSO HAS GXT™ PLATING, IS .13 [3.2] HIGH AND 25  
POSITIONS AND IS PACKAGED IN PRESSURE SEALED TAPE,  
RFF1 AND LEAD FREE