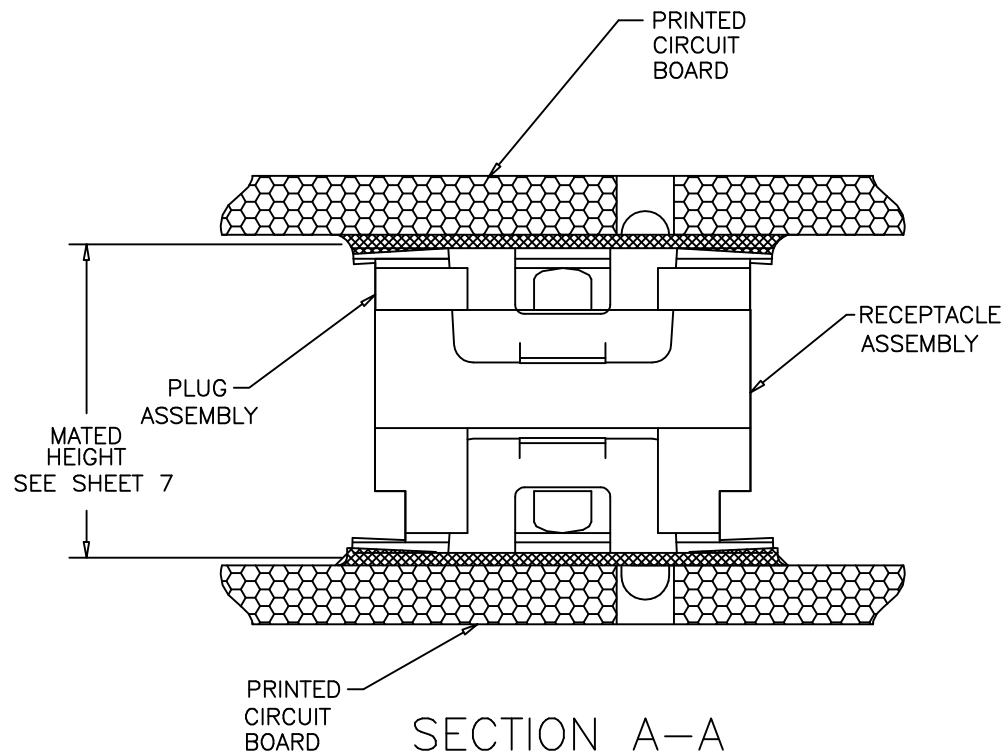
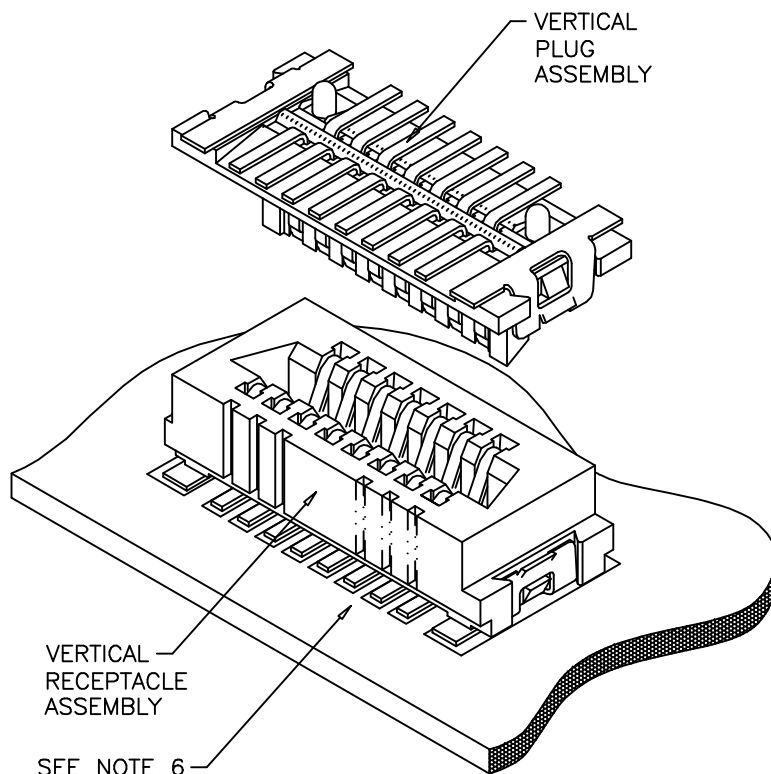


PRODUCT NUMBER  
SEE TABLE

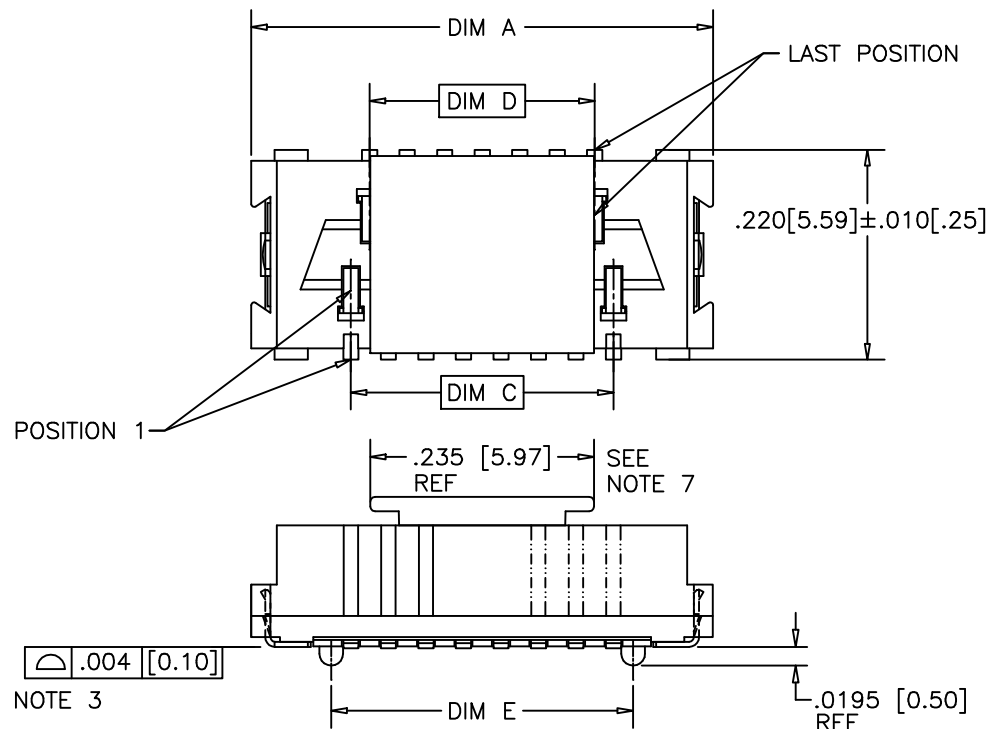


SECTION A-A  
ROTATED 90°  
N.T.S.

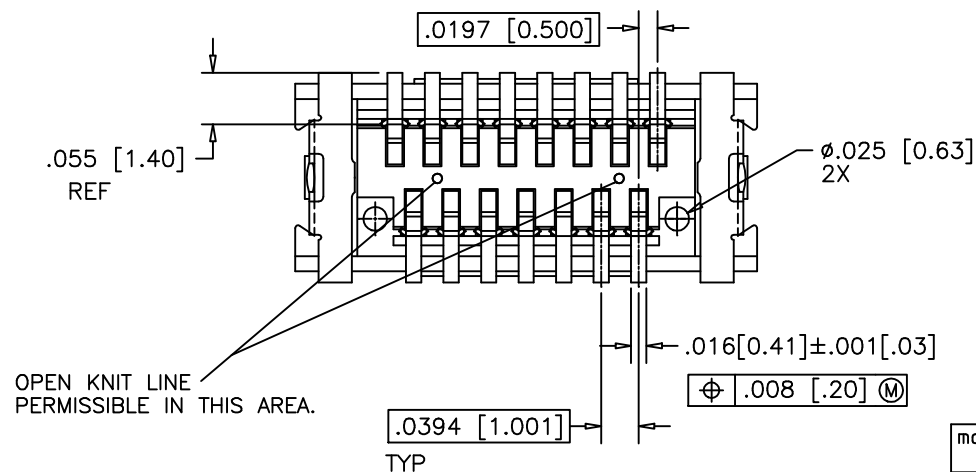
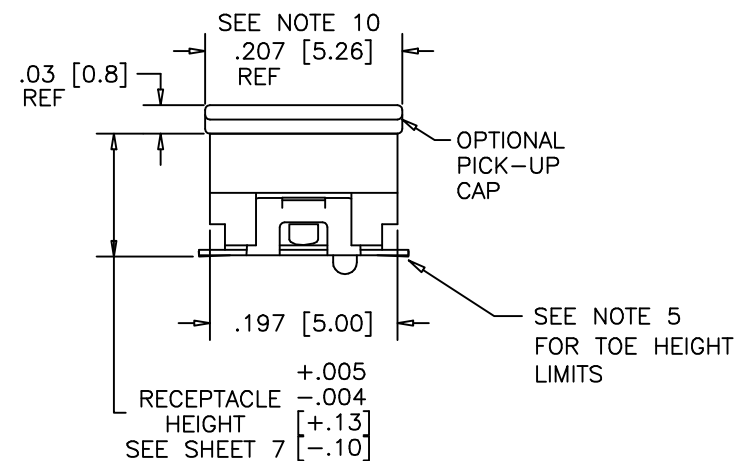
|             |                |    |            |                                       |                                  |                       |                                    |
|-------------|----------------|----|------------|---------------------------------------|----------------------------------|-----------------------|------------------------------------|
| mat'l. code |                |    |            | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>CONAN®           |
| ltr         | ecn no         | dr | date       | tolerances unless otherwise specified |                                  | scale 5:1             | title<br>CONAN® CONNECTOR ASSEMBLY |
| A           | —              | GM | 2013-01-14 | angles                                | linear                           |                       |                                    |
| B           | ELX-N-13992    | GM | 2013-02-05 | 0°±2°                                 |                                  |                       |                                    |
| C           | ELX-N-14209    | GM | 2013-03-07 |                                       |                                  |                       |                                    |
| —           | —              | —  | —          | dr                                    | GM SUN                           | 2013-01-14            |                                    |
| —           | —              | —  | —          | enrg                                  | GM SUN                           | 2013-01-14            |                                    |
| —           | —              | —  | —          | chr                                   | RICK BIAN                        | 2013-01-14            |                                    |
| —           | —              | —  | —          | appd                                  | RICK BIAN                        | 2013-01-14            |                                    |
| sheet index | revision sheet | C  | C          | C                                     | C                                | C                     |                                    |
|             |                | 1  | 2          | 3                                     | 4                                | 5                     | 6                                  |

dwg no 10124017 sheet 1 of 7 size A3  
type Product Customer Drawing

PRODUCT NUMBER  
SEE TABLE

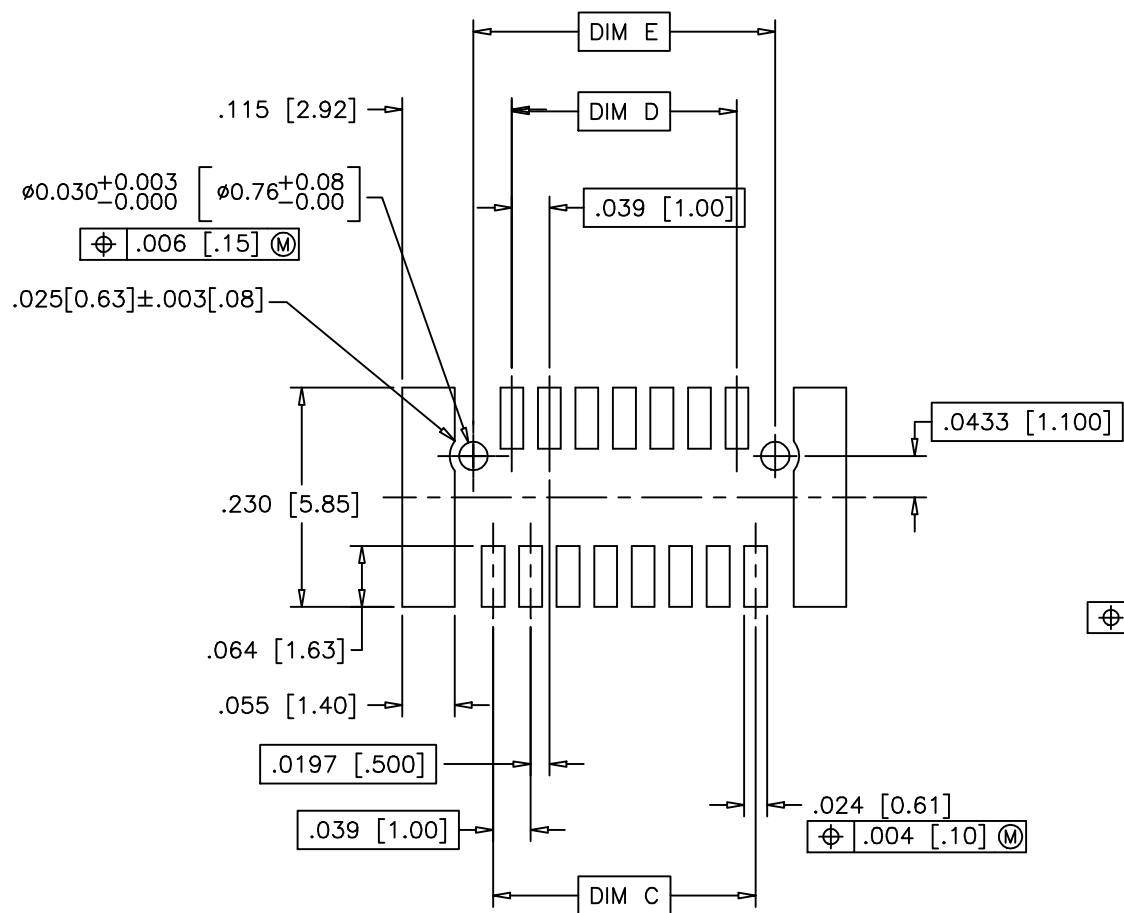


## RECEPTACLE

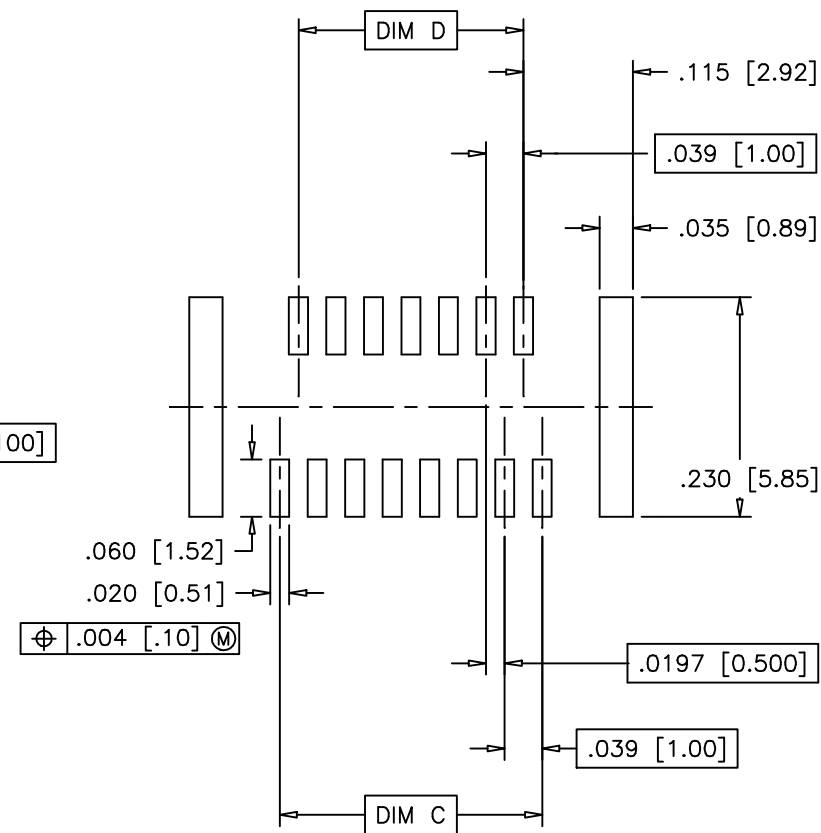


|             |                |    |      |                                       |                                  |                   |                                    |
|-------------|----------------|----|------|---------------------------------------|----------------------------------|-------------------|------------------------------------|
| mat'l. code |                |    |      | surface<br>ISO 1302 ✓                 | tolerance<br>ISO 406<br>ISO 1101 | projection<br>⌀ ↗ | product family<br>CONAN®           |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                                  | INCH/MM           | title<br>CONAN® CONNECTOR ASSEMBLY |
| C           |                |    |      | angles                                | linear                           |                   |                                    |
|             |                |    |      | 0°±2°                                 |                                  | scale 5:1         |                                    |
|             |                |    |      | dr                                    | GM SUN                           | 2013-01-14        | dwg no<br>10124017                 |
|             |                |    |      | enr                                   | GM SUN                           | 2013-01-14        |                                    |
|             |                |    |      | chr                                   | RICK BIAN                        | 2013-01-14        | type Product Customer Drawing      |
|             |                |    |      | appd                                  | RICK BIAN                        | 2013-01-14        |                                    |
| sheet index | revision sheet |    |      |                                       |                                  |                   |                                    |

PRODUCT NUMBER  
SEE TABLE



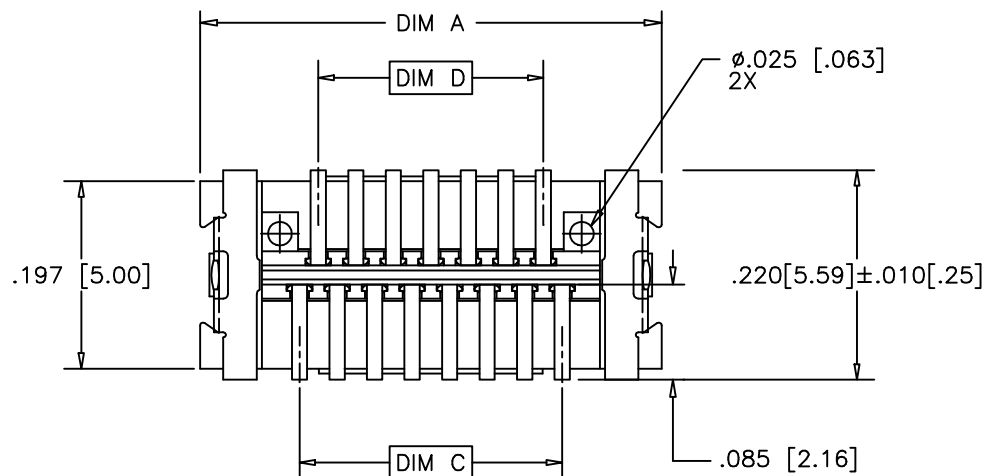
RECOMMENDED  
PAD LAYOUT  
FOR RECEPTACLE



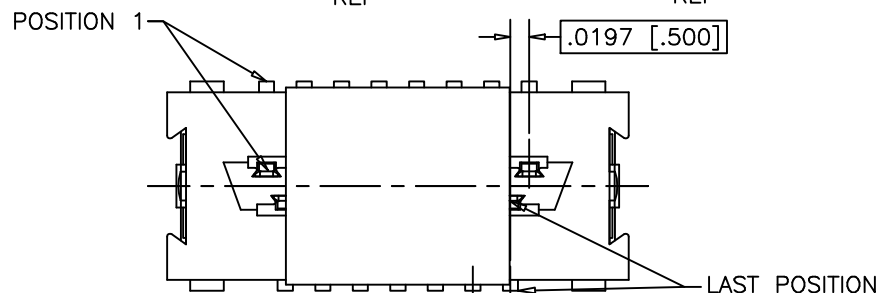
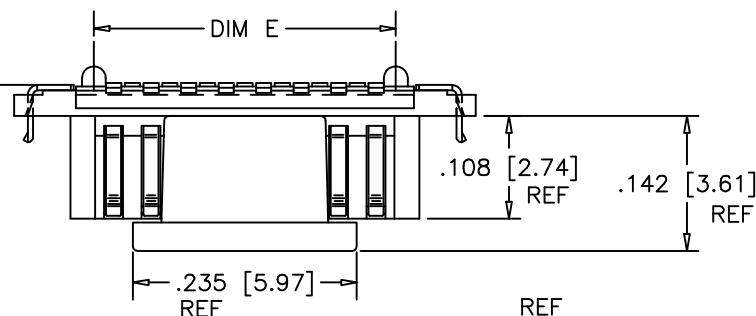
RECOMMENDED  
STENCIL LAYOUT  
FOR RECEPTACLE

|             |                |    |      |                                       |                                  |                      |                                                |  |  |  |
|-------------|----------------|----|------|---------------------------------------|----------------------------------|----------------------|------------------------------------------------|--|--|--|
| mat'l. code |                |    |      | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>       | product family<br>CONAN <sup>®</sup>           |  |  |  |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                                  | INCH/MM<br>scale 5:1 | title<br>CONAN <sup>®</sup> CONNECTOR ASSEMBLY |  |  |  |
| c           |                |    |      | angles                                | linear                           |                      |                                                |  |  |  |
|             |                |    |      | 0°±2°                                 |                                  |                      |                                                |  |  |  |
|             |                |    |      | dr                                    | GM SUN                           | 2013-01-14           | dwg no<br>10124017                             |  |  |  |
|             |                |    |      | enrg                                  | GM SUN                           | 2013-01-14           |                                                |  |  |  |
|             |                |    |      | chr                                   | RICK BIAN                        | 2013-01-14           | type<br>Product Customer Drawing               |  |  |  |
|             |                |    |      | appd                                  | RICK BIAN                        | 2013-01-14           |                                                |  |  |  |
| sheet index | revision sheet |    |      |                                       |                                  |                      |                                                |  |  |  |

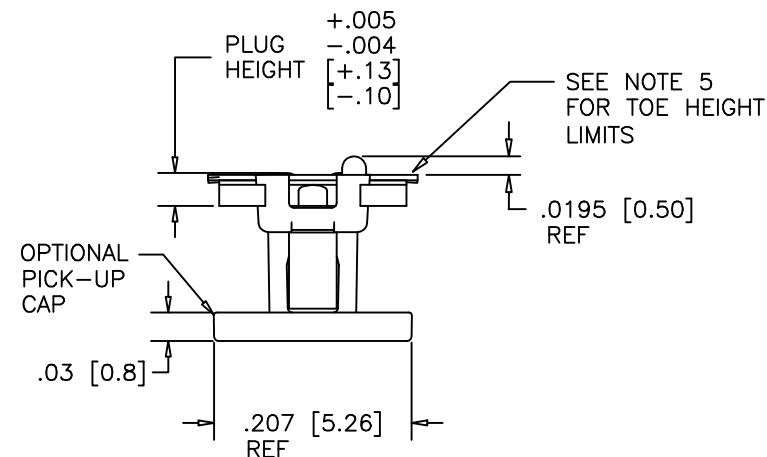
PRODUCT NUMBER  
SEE TABLE



SEE NOTE 3

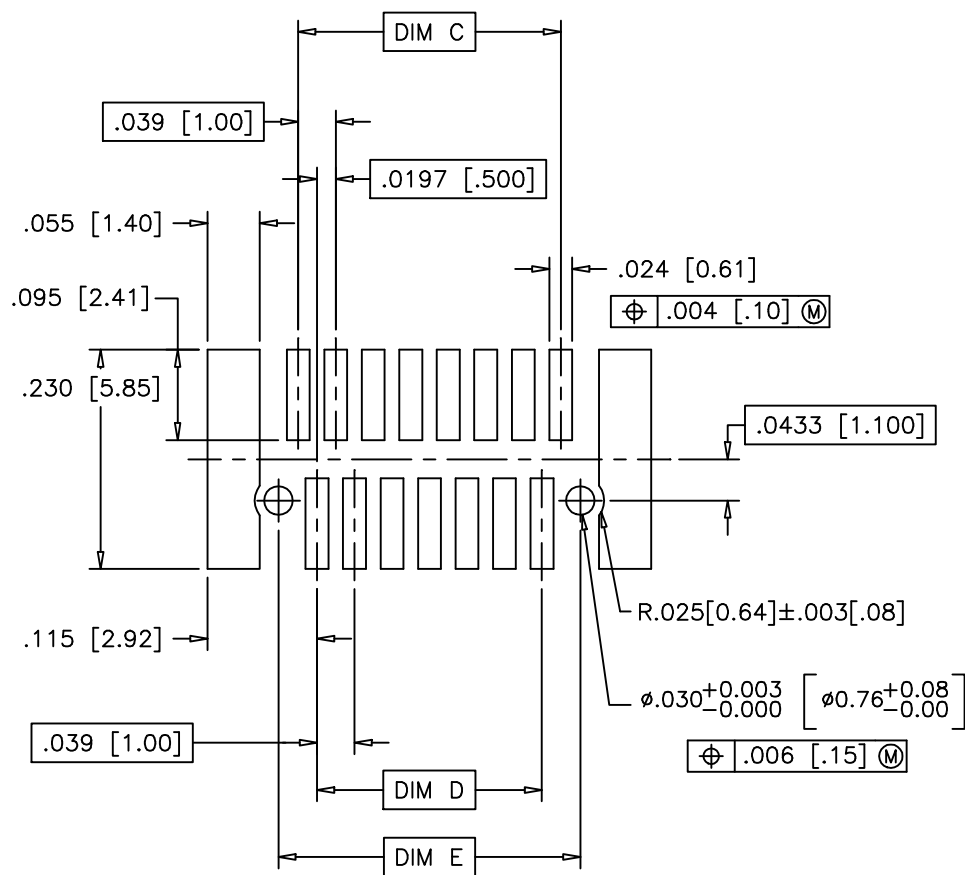


PLUG

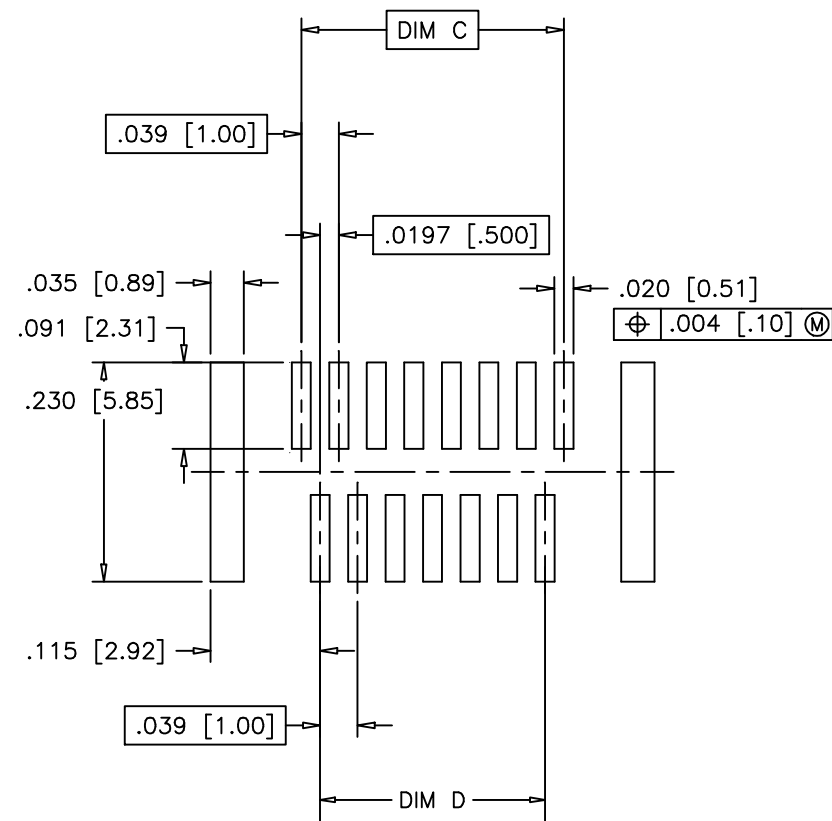


|             |                |      |           |                                       |                                                           |                       |                                    |
|-------------|----------------|------|-----------|---------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------|
| mat'l. code |                |      |           | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101                          | projection<br>INCH/MM | product family<br>CONAN®           |
| ltr         | ecn no         | dr   | date      | tolerances unless otherwise specified |                                                           | scale 5:1             | title<br>CONAN® CONNECTOR ASSEMBLY |
| C           |                |      |           | angles                                | linear                                                    |                       |                                    |
|             |                |      |           | 0°±2°                                 | XXX±.01/XX±0.3<br>XXX±.005/XX±0.13<br>XXXX±.0020/XXX±0.05 |                       |                                    |
|             |                | dr   | GM SUN    | 2013-01-14                            |                                                           |                       | dwg no                             |
|             |                | enr  | GM SUN    | 2013-01-14                            |                                                           |                       | sheet 4 of 7 size                  |
|             |                | chr  | RICK BIAN | 2013-01-14                            |                                                           |                       | 10124017 A3                        |
|             |                | appd | RICK BIAN | 2013-01-14                            |                                                           |                       | type Product Customer Drawing      |
| sheet index | revision sheet |      |           |                                       |                                                           |                       |                                    |

PRODUCT NUMBER  
SEE TABLE



RECOMMENDED  
PAD LAYOUT  
FOR PLUG



RECOMMENDED  
STENCIL LAYOUT  
FOR PLUG

|             |                |    |      |                                       |                                  |                        |                                    |  |  |  |
|-------------|----------------|----|------|---------------------------------------|----------------------------------|------------------------|------------------------------------|--|--|--|
| mat'l. code |                |    |      | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1101 | product family<br>CONAN®           |  |  |  |
| ltr         | ecn no         | dr | date | tolerances unless otherwise specified |                                  | INCH/MM                | title<br>CONAN® CONNECTOR ASSEMBLY |  |  |  |
| c           |                |    |      | angles                                | linear                           |                        |                                    |  |  |  |
|             |                |    |      | 0°±2'                                 |                                  | scale 5:1              | dwg no<br>10124017                 |  |  |  |
|             |                |    |      | dr                                    | GM SUN                           | 2013-01-14             |                                    |  |  |  |
|             |                |    |      | enr                                   | GM SUN                           | 2013-01-14             | type<br>Product Customer Drawing   |  |  |  |
|             |                |    |      | chr                                   | RICK BIAN                        | 2013-01-14             |                                    |  |  |  |
|             |                |    |      | appd                                  | RICK BIAN                        | 2013-01-14             | sheet 5 of 7 size<br>A3            |  |  |  |
| sheet index | revision sheet |    |      |                                       |                                  |                        |                                    |  |  |  |

| PRODUCT<br>NUMBER  | POS | DIM "A"       | DIM "C"       | DIM "D"       | DIM "E"         |
|--------------------|-----|---------------|---------------|---------------|-----------------|
| 10124017-TCWXY09LF | 9   | .366 [9.30]   | .157 [4.00]   | .118 [3.00]   | .1990 [5.055]   |
| -TCWXY11LF         | 11  | .406 [10.30]  | .197 [5.00]   | .157 [4.00]   | .2380 [6.045]   |
| -TCWXY15LF         | 15  | .484 [12.30]  | .276 [7.00]   | .236 [6.00]   | .3170 [8.052]   |
| -TCWXY21LF         | 21  | .602 [15.30]  | .394 [10.00]  | .354 [9.00]   | .4350 [11.049]  |
| -TCWXY25LF         | 25  | .681 [17.30]  | .472 [12.00]  | .433 [11.00]  | .5140 [13.056]  |
| -TCWXY31LF         | 31  | .800 [20.30]  | .591 [15.00]  | .551 [14.00]  | .6320 [16.053]  |
| -TCWXY41LF         | 41  | .996 [25.30]  | .787 [20.00]  | .748 [19.00]  | .8290 [21.057]  |
| -TCWXY51LF         | 51  | 1.193 [30.30] | .984 [25.00]  | .945 [24.00]  | 1.0260 [26.060] |
| -TCWXY69LF         | 69  | 1.547 [39.30] | 1.339 [34.00] | 1.299 [33.00] | 1.3800 [35.052] |

# NOTES:

## 1. MATERIALS:

RECEPTACLE HOUSING - LCP, UL-94V-0. COLOR: NATURAL.

RECEPTACLE TERMINALS - COPPER ALLOY,  
PLATED WITH GOLD IN CONTACT AREA  
AND OTHER ALL AREA PLATING G/F WITH  
AN OVERALL 50u"/1.27u Ni UNDERPLATE.

PLUG HOUSING - LCP, UL-94V-0. COLOR: NATURAL.

PLUG TERMINALS - COPPER ALLOY,  
PLATED WITH GOLD IN CONTACT AREA  
AND OTHER ALL AREA PLATING G/F WITH  
AN OVERALL 50u"/1.27u Ni UNDERPLATE.

HOLD DOWN - COPPER ALLOY.  
PLATED WITH GOLD FLISH OVER NICKEL.

## 2. REFERENCE GS-12-0977 FOR PRODUCT PERFORMANCE AND ENVIRONMENTAL RESISTANCE DATA.

## 3. SEE TA-774 FOR FURTHER DESCRIPTION OF HOW THIS DIMENSION IS APPLIED.

## 4. RECOMMENDED SOLDER PASTE THICKNESS IS .006 TO .008 INCHES THICK.

## 5. 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.

## 6. THREE SLOTS MAY BE LOCATED AT EITHER END OF HOUSING.

## 7. 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

## 8. PRODUCT WITH "LF" AT THE END MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

|             |          |    |      |                                       |                                  |                                                                                                     |                                                                                       |                               |  |              |
|-------------|----------|----|------|---------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------|--|--------------|
| mat'l. code |          |    |      | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br> | product family<br>CONAN®                                                              |                               |  |              |
| ltr         | ecn no   | dr | date | tolerances unless otherwise specified |                                  | INCH/MM<br>    | title<br>CONAN® CONNECTOR<br>ASSEMBLY                                                 |                               |  |              |
| c           |          |    |      | angles                                | linear                           |                                                                                                     |                                                                                       |                               |  |              |
|             |          |    |      | 0°±2°                                 |                                  |                                                                                                     |                                                                                       |                               |  |              |
|             |          |    |      | dr                                    | GM SUN                           | 2013-01-14                                                                                          |  | dwg no                        |  | sheet 6 of 7 |
|             |          |    |      | enr                                   | GM SUN                           | 2013-01-14                                                                                          |                                                                                       | 10124017                      |  | A3           |
|             |          |    |      | chr                                   | RICK BIAN                        | 2013-01-14                                                                                          |                                                                                       | type Product Customer Drawing |  |              |
|             |          |    |      | appd                                  | RICK BIAN                        | 2013-01-14                                                                                          |                                                                                       |                               |  |              |
| sheet index | revision |    |      |                                       |                                  |                                                                                                     |                                                                                       |                               |  |              |
|             | sheet    |    |      |                                       |                                  |                                                                                                     |                                                                                       |                               |  |              |

PRODUCT NUMBER  
SEE TABLE

## CONAN<sup>®</sup> ASSEMBLY PART NUMBER

10124017 - T C W X Y ZZ LF

LEAD FREE  
SEE NOTE 8

| TYPE                    | T |
|-------------------------|---|
| PLUG<br>NO PEGS         | 0 |
| PLUG<br>WITH PEGS       | 1 |
| RECEPTACLE<br>NO PEGS   | 2 |
| RECEPTACLE<br>WITH PEGS | 3 |

|                             |   |
|-----------------------------|---|
| PICK AND PLACE CAP OR TAPE  | C |
| WITHOUT CAP OR TAPE         | 0 |
| WITH CAP                    | 1 |
| WITH TAPE (RECEPTACLE ONLY) | 2 |

|                             |   |
|-----------------------------|---|
| PACKAGING                   | W |
| TUBE                        | 2 |
| PRESSURE SEALED TAPE & REEL | 3 |

| Y | PLUG<br>HEIGHT | RECEPTACLE<br>HEIGHT              | MATED<br>HEIGHT | +0.10<br>-0.008<br>[+.25]<br>[-.20] |
|---|----------------|-----------------------------------|-----------------|-------------------------------------|
| 1 | .034 [.86]     | .129 [3.28]                       | .163 [4.15]     |                                     |
| 2 | .048 [1.23]    | SEE Y=1<br>FOR ALL<br>RECEPTACLES | .177 [4.50]     |                                     |
| 3 | .068 [1.73]    |                                   | .197 [5.00]     |                                     |
| 4 | .107 [2.72]    |                                   | .236 [6.00]     |                                     |
| 5 | .1465 [3.721]  |                                   | .276 [7.00]     |                                     |

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

| X | PLATING                                              |
|---|------------------------------------------------------|
| 1 | 15u" Au ON CONTACT AREA, OTHER ALL AREA PLATING G/F. |
| 2 | 30u" Au ON CONTACT AREA, OTHER ALL AREA PLATING G/F. |

EXAMPLE: 10124017-3131125LF  
IS A CONAN<sup>®</sup> RECEPTACLE ASSEMBLY,  
HAVING PEGS AND WITH A PICK AND PLACE CAP.  
IT IS .13 [3.2] HIGH AND 25 POSITIONS AND IS  
PACKAGED IN PRESSURE SEALED TAPE, REEL AND LEAD FREE.

|             |  |                       |  |                                  |  |                                                                                                     |  |                                          |  |
|-------------|--|-----------------------|--|----------------------------------|--|-----------------------------------------------------------------------------------------------------|--|------------------------------------------|--|
| mat'l. code |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>CONAN <sup>®</sup>     |  |
| ltr         |  | ecn no                |  | dr                               |  | date                                                                                                |  | title                                    |  |
| C           |  |                       |  |                                  |  |                                                                                                     |  | CONAN <sup>®</sup> CONNECTOR<br>ASSEMBLY |  |
|             |  |                       |  |                                  |  |                                                                                                     |  | dwg no                                   |  |
|             |  |                       |  |                                  |  |                                                                                                     |  | 10124017                                 |  |
|             |  |                       |  |                                  |  |                                                                                                     |  | sheet 7 of 7 size                        |  |
|             |  |                       |  |                                  |  |                                                                                                     |  | A3                                       |  |
|             |  |                       |  |                                  |  |                                                                                                     |  | type                                     |  |
|             |  |                       |  |                                  |  |                                                                                                     |  | Product Customer Drawing                 |  |
| sheet index |  | revision sheet        |  |                                  |  |                                                                                                     |  |                                          |  |
|             |  |                       |  |                                  |  |                                                                                                     |  |                                          |  |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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