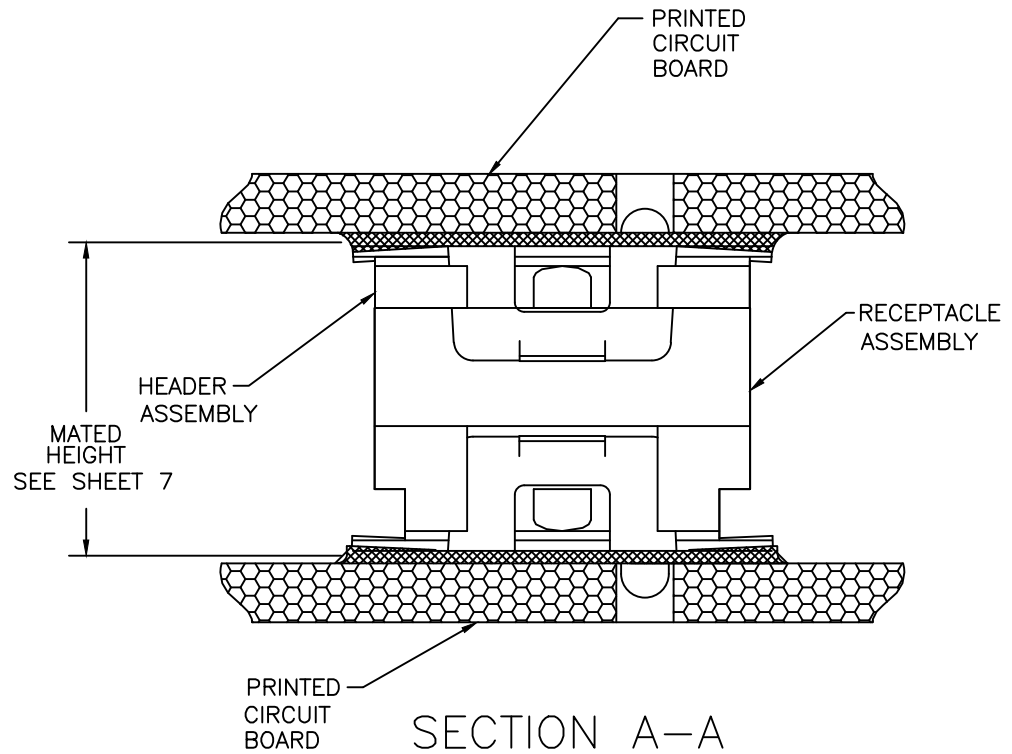
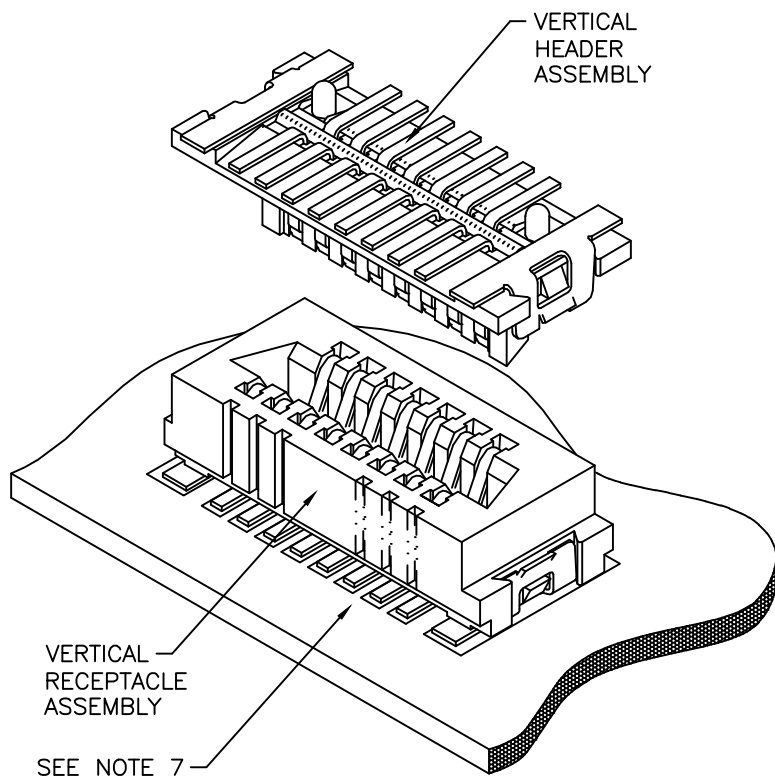


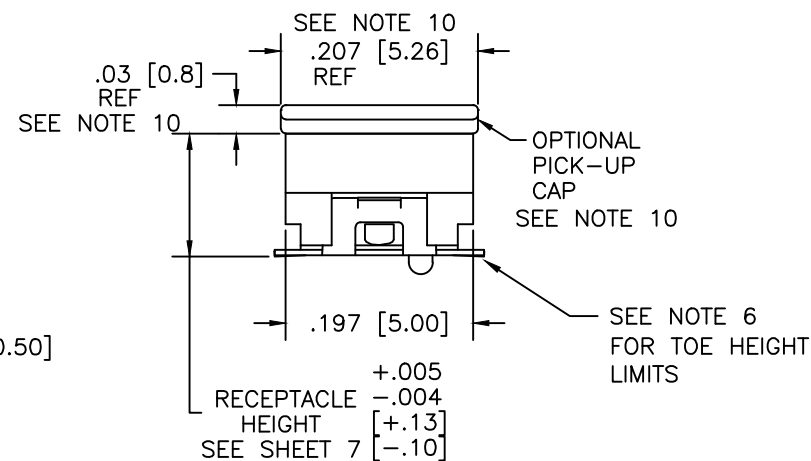
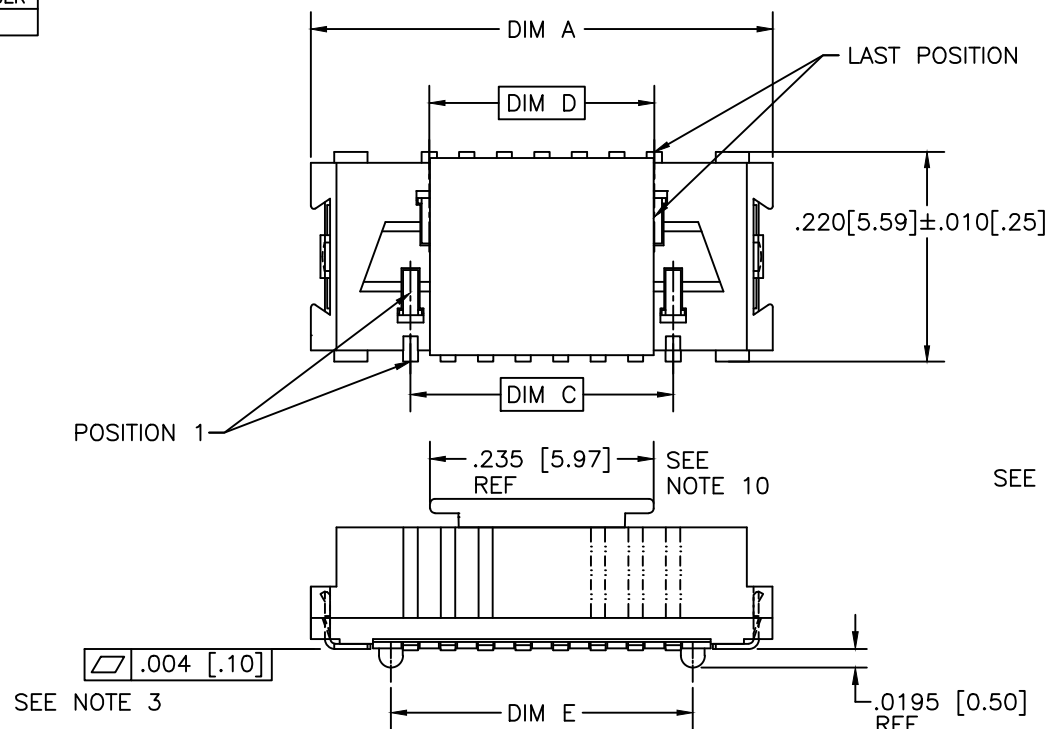
PRODUCT NUMBER  
SEE TABLE



SECTION A-A  
ROTATED 90°  
N.T.S.

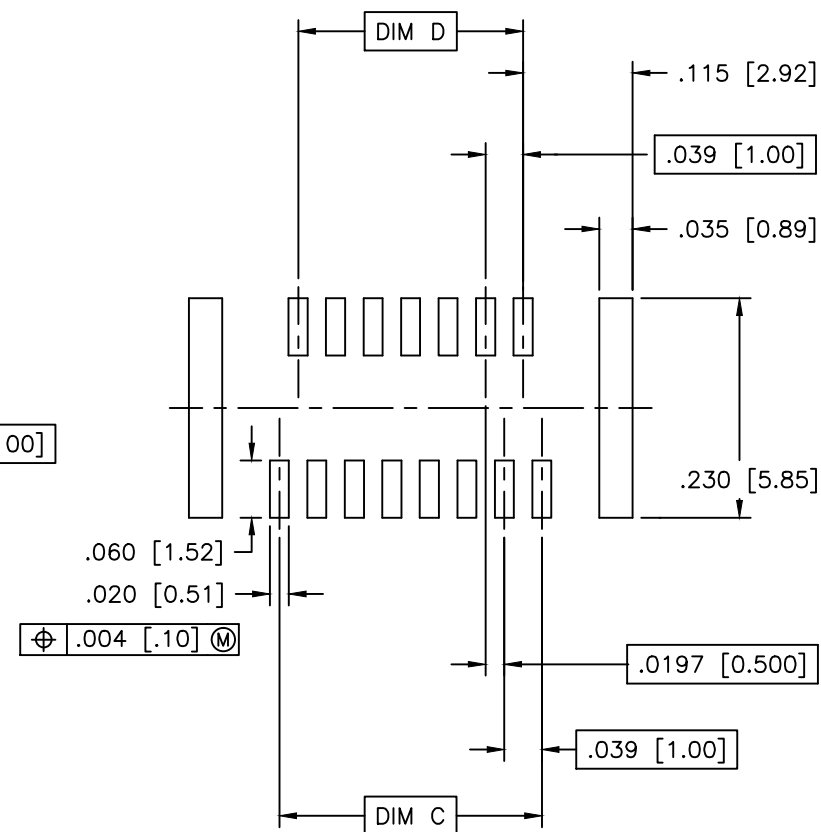
|             |             |     |          |                                       |                                  |             |                                       |
|-------------|-------------|-----|----------|---------------------------------------|----------------------------------|-------------|---------------------------------------|
| mat'l. code |             |     |          | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection  | product family<br>CONAN®              |
| ltr         | ecn no      | dr  | date     | tolerances unless otherwise specified |                                  | <br>INCH/MM | title<br>CONAN® CONNECTOR<br>ASSEMBLY |
| AG          | ELX-N-14208 | GM  | 03/07/13 | angles                                | linear                           |             |                                       |
| AB          | M05-0110    | MHT | 05/26/05 | 0°±2°                                 | linear                           | scale 5:1   | dwg no<br>91900                       |
| AC          | M06-0232    | AGS | 06/12/06 | dr                                    | R.SEIPLE                         | 11/13/91    | sheet 1 of 7 size<br>A3               |
| AD          | M06-0373    | MHT | 09/26/06 | enrg                                  | D.HORCHLER                       | 01/10/92    | type<br>Product Customer Drawing      |
| AE          | M08-0012    | AGS | 01/11/08 | chr                                   | D.HORCHLER                       | 01/10/92    |                                       |
| AF          | M08-0287    | MHT | 10/02/08 | appd                                  | D.HORCHLER                       | 01/10/92    |                                       |
| sheet       | revision    | AG  | AG       | AG                                    | AG                               | AG          |                                       |
| index       | sheet       | 1   | 2        | 3                                     | 4                                | 5           | 6                                     |

PRODUCT NUMBER  
SEE TABLE



OPEN KNOT LINE  
PERMISSIBLE IN THIS AREA.

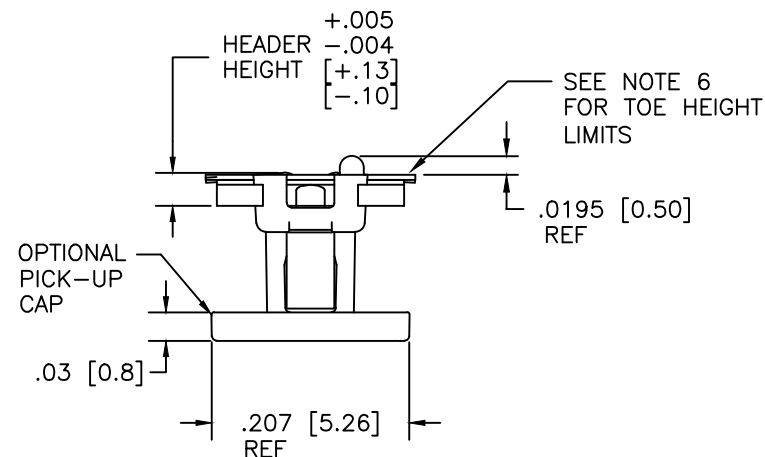
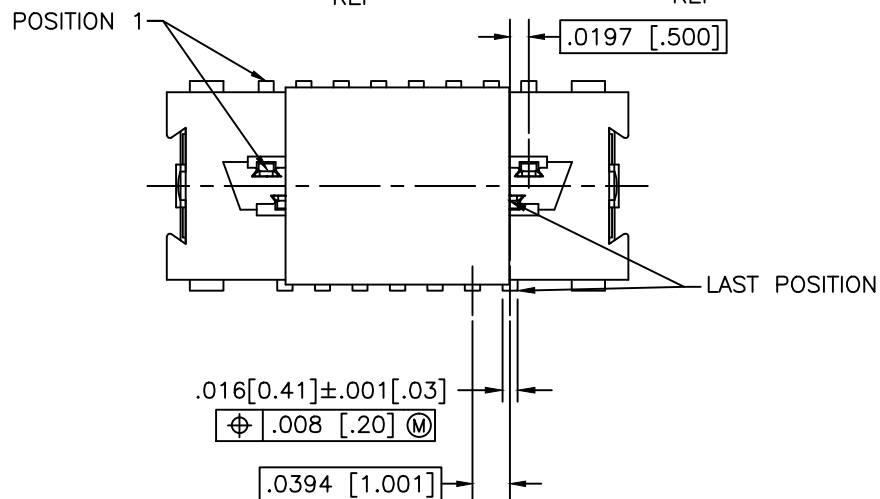
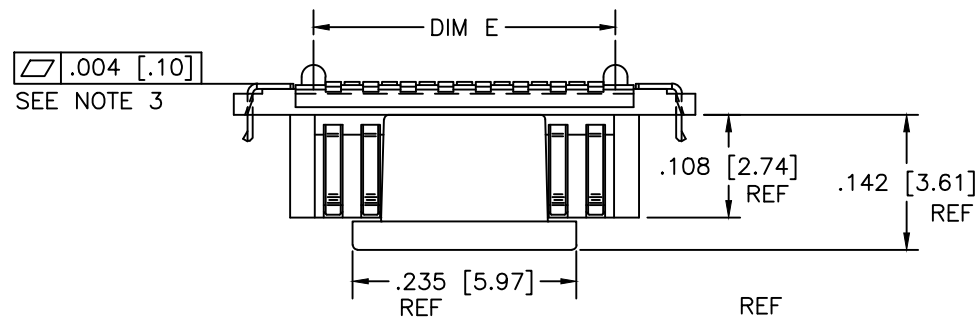
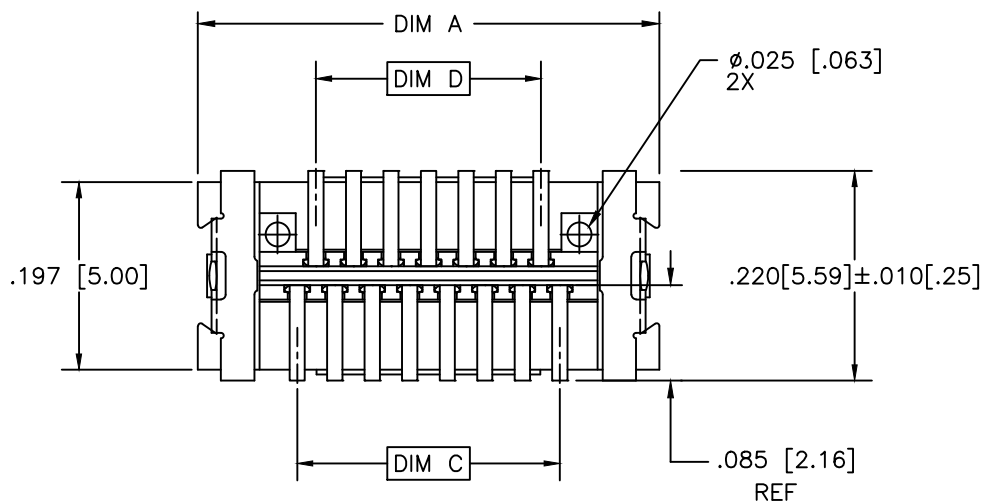
|                |                   |      |            |                                       |                                  |                       |                                            |
|----------------|-------------------|------|------------|---------------------------------------|----------------------------------|-----------------------|--------------------------------------------|
| mat'l. code    |                   |      |            | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>CONAN®                   |
| ltr            | ecr no            | dr   | date       | tolerances unless otherwise specified |                                  | scale 5:1             | title<br>CONAN® CONNECTOR<br>ASSEMBLY      |
| AG             |                   |      |            | angles                                | linear                           |                       |                                            |
|                |                   |      |            | 0°±2°                                 |                                  |                       |                                            |
|                |                   | dr   | R.SEIPLE   | 11/13/91                              |                                  | FCI                   | dwg no<br>91900<br>sheet 2 of 7 size<br>A3 |
|                |                   | enr  | D.HORCHLER | 01/10/92                              |                                  |                       |                                            |
|                |                   | chr  | D.HORCHLER | 01/10/92                              |                                  |                       |                                            |
|                |                   | appd | D.HORCHLER | 01/10/92                              |                                  |                       |                                            |
| sheet<br>index | revision<br>sheet |      |            |                                       |                                  |                       | type Product Customer Drawing              |



RECOMMENDED  
STENCIL LAYOUT  
FOR RECEPTACLE

[illegible]

PRODUCT NUMBER  
SEE TABLE

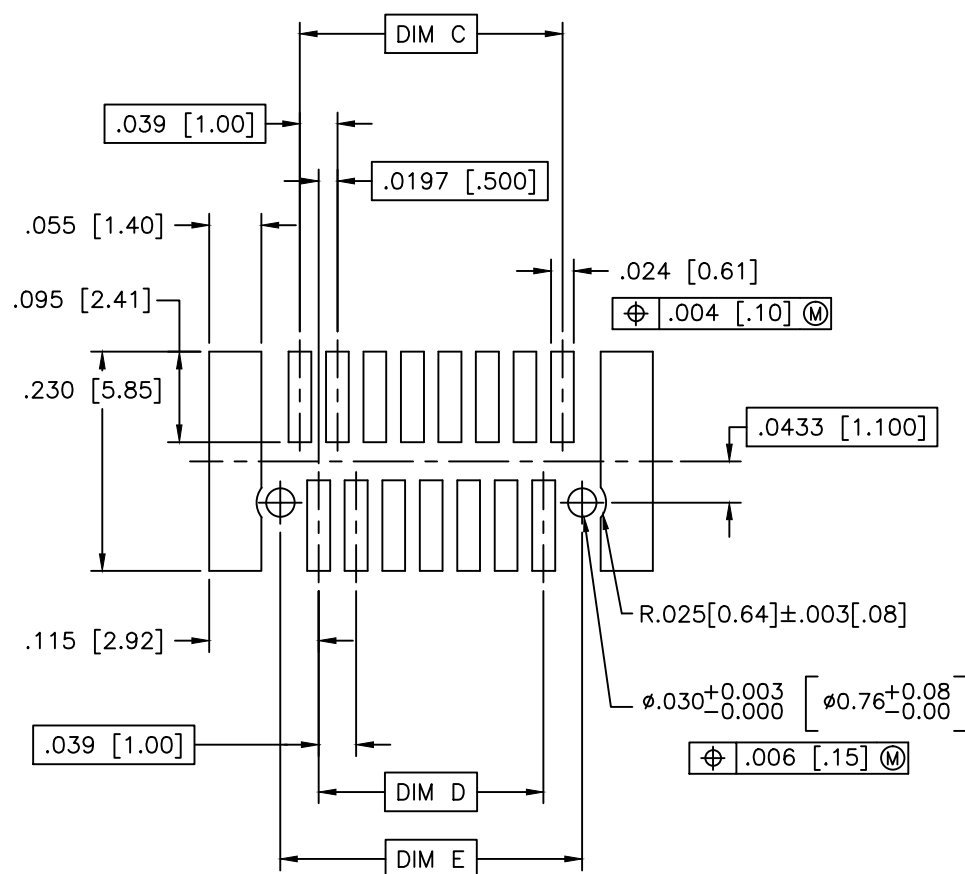
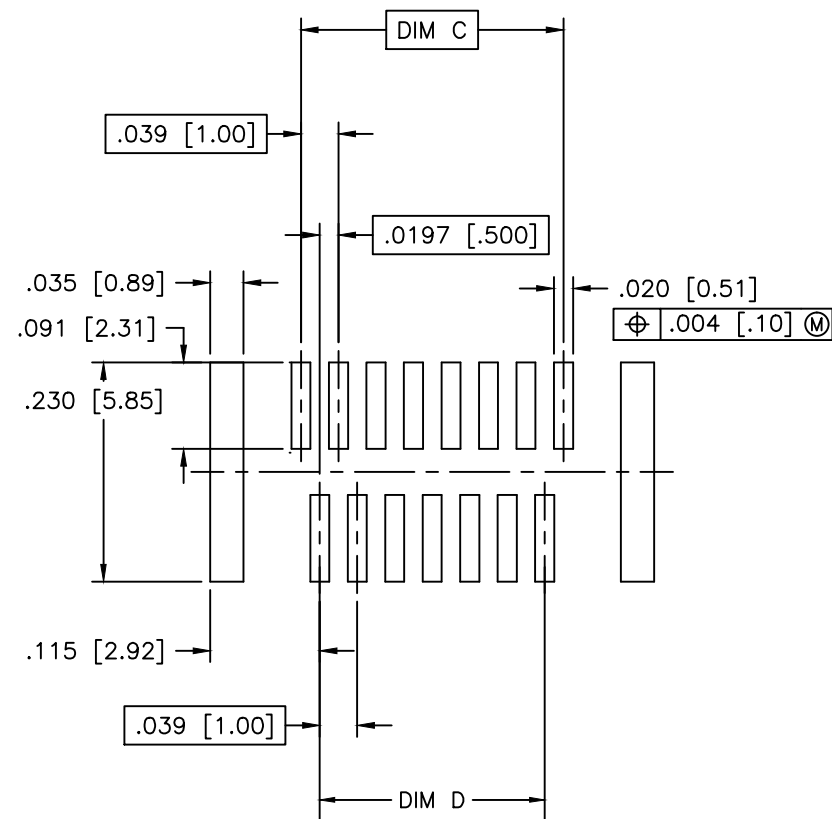


|             |                |      |            |                                       |                                  |                |                               |  |  |
|-------------|----------------|------|------------|---------------------------------------|----------------------------------|----------------|-------------------------------|--|--|
| 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 |                                  |                | title                         |  |  |
| AG          |                |      |            | angles                                | linear                           | INCH/MM        | CONAN® CONNECTOR ASSEMBLY     |  |  |
|             |                |      |            | 0° ± 2°                               |                                  | scale 5:1      | dwg no                        |  |  |
|             |                | dr   | R.SEIPLE   | 11/13/91                              |                                  |                | sheet 4 of 7 size             |  |  |
|             |                | enr  | D.HORCHLER | 01/10/92                              |                                  |                | 91900                         |  |  |
|             |                | chr  | D.HORCHLER | 01/10/92                              |                                  |                | A3                            |  |  |
|             |                | appd | D.HORCHLER | 01/10/92                              |                                  |                | type Product Customer Drawing |  |  |
| sheet index | revision sheet |      |            |                                       |                                  |                |                               |  |  |



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PRODUCT NUMBER  
SEE TABLERECOMMENDED  
PAD LAYOUTRECOMMENDED  
STENCIL LAYOUT  
FOR HEADER

|             |                |    |      |                                                         |                                  |                |                                    |  |  |  |
|-------------|----------------|----|------|---------------------------------------------------------|----------------------------------|----------------|------------------------------------|--|--|--|
| mat'l. code |                |    |      | surface<br>ISO 1302 <input checked="" type="checkbox"/> | 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 |  |  |  |
| AG          |                |    |      | angles                                                  | linear                           |                |                                    |  |  |  |
|             |                |    |      | 0°±2'                                                   |                                  | scale 5:1      | dwg no<br>91900                    |  |  |  |
|             |                |    |      | dr                                                      | R.SEIPLE 11/13/91                |                |                                    |  |  |  |
|             |                |    |      | enr                                                     | D.HORCHLER 01/10/92              |                | sheet 5 of 7 size<br>A3            |  |  |  |
|             |                |    |      | chr                                                     | D.HORCHLER 01/10/92              |                |                                    |  |  |  |
|             |                |    |      | appd                                                    | D.HORCHLER 01/10/92              |                | type Product Customer Drawing      |  |  |  |
| sheet index | revision sheet |    |      |                                                         |                                  |                |                                    |  |  |  |

| PRODUCT<br>NUMBER | POS | DIM "A"       | DIM "C"       | DIM "D"       | DIM "E"         |
|-------------------|-----|---------------|---------------|---------------|-----------------|
| 919TC-WXY09       | 9   | .366 [9.30]   | .157 [4.00]   | .118 [3.00]   | .1990 [5.055]   |
| ↑ -WXY09LF        |     |               |               |               |                 |
| -WXY11            | 11  | .406 [10.30]  | .197 [5.00]   | .157 [4.00]   | .2380 [6.045]   |
| -WXY11LF          |     |               |               |               |                 |
| -WXY15            | 15  | .484 [12.30]  | .276 [7.00]   | .236 [6.00]   | .3170 [8.052]   |
| -WXY15LF          |     |               |               |               |                 |
| -WXY21            | 21  | .602 [15.30]  | .394 [10.00]  | .354 [9.00]   | .4350 [11.049]  |
| -WXY21LF          |     |               |               |               |                 |
| -WXY25            | 25  | .681 [17.30]  | .472 [12.00]  | .433 [11.00]  | .5140 [13.056]  |
| -WXY25LF          |     |               |               |               |                 |
| -WXY31            | 31  | .800 [20.30]  | .591 [15.00]  | .551 [14.00]  | .6320 [16.053]  |
| -WXY31LF          |     |               |               |               |                 |
| -WXY41            | 41  | .996 [25.30]  | .787 [20.00]  | .748 [19.00]  | .8290 [21.057]  |
| -WXY41LF          |     |               |               |               |                 |
| -WXY51            | 51  | 1.193 [30.30] | .984 [25.00]  | .945 [24.00]  | 1.0260 [26.060] |
| -WXY51LF          |     |               |               |               |                 |
| -WXY69            | 69  | 1.547 [39.30] | 1.339 [34.00] | 1.299 [33.00] | 1.3800 [35.052] |
| ↓ -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.

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.

RETENTION DEVICE - BRASS,  
PLATED WITH 100u"/2.54u Sn OVER NICKEL.

## 2. REFERENCE GS-12-006 FOR PRODUCT PERFORMANCE DATA.

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

## 4. 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.

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

## 6. 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.

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

## 8. 5.50mm MATED HEIGHT IS ONLY AVAILABLE IN 9, 15 AND 31 POS.

## 9. 7.50mm MATED HEIGHT IS ONLY AVAILABLE IN 9 POS.

## 10. APPLIES TO 91921-3XYZZ AND 91931- 3XYZZ OPTIONS ONLY.

## 11. 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

## 13. 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 |                                                                                                     | title                                                                                 |  |  |  |
| AG          |          |    |    |                       | angles                                | linear                                                                                              | CONAN® CONNECTOR<br>ASSEMBLY                                                          |  |  |  |
|             |          |    |    |                       |                                       |                                                                                                     |                                                                                       |  |  |  |
|             |          |    |    |                       | 0°±2'                                 |                                                                                                     | scale 5:1                                                                             |  |  |  |
|             |          |    |    | dr                    | R.SEIPLE                              | 11/13/91                                                                                            |  |  |  |  |
|             |          |    |    | enr                   | D.HORCHLER                            | 01/10/92                                                                                            |                                                                                       |  |  |  |
|             |          |    |    | chr                   | D.HORCHLER                            | 01/10/92                                                                                            |                                                                                       |  |  |  |
|             |          |    |    | appd                  | D.HORCHLER                            | 01/10/92                                                                                            |                                                                                       |  |  |  |
| sheet       | revision |    |    |                       |                                       |                                                                                                     | dwg no                                                                                |  |  |  |
| index       | sheet    |    |    |                       |                                       |                                                                                                     |                                                                                       |  |  |  |
|             |          |    |    |                       |                                       |                                                                                                     | sheet 6 of 7 size                                                                     |  |  |  |
|             |          |    |    |                       |                                       |                                                                                                     | 91900 A3                                                                              |  |  |  |
|             |          |    |    |                       |                                       |                                                                                                     | type Product Customer Drawing                                                         |  |  |  |



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PRODUCT NUMBER  
SEE TABLECONAN<sup>®</sup> ASSEMBLY PART NUMBER

919 T C - W X Y ZZ LF

LEAD FREE OPTION  
SEE NOTE 12

| 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) | C |
| WITHOUT CAP OR TAPE                 | 0 |
| WITH CAP                            | 1 |
| WITH TAPE (RECEPTACLE ONLY)         | 2 |

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

NOTE 4

| Y | HEADER HEIGHT | RECEPTACLE HEIGHT           | MATED HEIGHT |
|---|---------------|-----------------------------|--------------|
| 1 | .034 [.86]    | .129 [3.28]                 | .163 [4.15]  |
| 2 | .048 [1.23]   | SEE Y=1 FOR ALL 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]  |
| 6 | .088 [2.23]   |                             | .216 [5.50]  |
| 7 | .1665 [4.229] |                             | .296 [7.52]  |

\* NOTE 8  
\* \* NOTE 9

| X | PLATING        |
|---|----------------|
| 1 | 15u"/.38u GXT™ |
| 2 | 30u"/.76u GXT™ |

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

EXAMPLE: 91921-31125LF  
IS A CONAN<sup>®</sup> 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,  
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         | ecr no         | dr | date | tolerances unless otherwise specified |                                  | <br>INCH/MM    | title<br>CONAN <sup>®</sup> CONNECTOR ASSEMBLY |  |  |  |
| AG          |                |    |      | angles                                | linear                           |                |                                                |  |  |  |
|             |                |    |      | 0°±2'                                 |                                  |                |                                                |  |  |  |
|             |                |    |      | dr                                    | R.SEIPLE                         | 11/13/91       | dwg no<br>91900                                |  |  |  |
|             |                |    |      | enr                                   | D.HORCHLER                       | 01/10/92       |                                                |  |  |  |
|             |                |    |      | chr                                   | D.HORCHLER                       | 01/10/92       |                                                |  |  |  |
|             |                |    |      | appd                                  | D.HORCHLER                       | 01/10/92       | type Product Customer Drawing                  |  |  |  |
| sheet index | revision sheet |    |      |                                       |                                  |                |                                                |  |  |  |