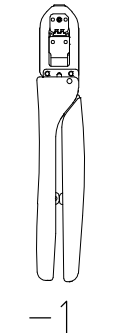
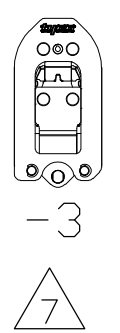
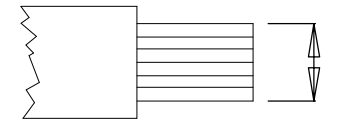
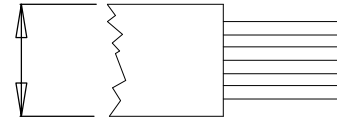
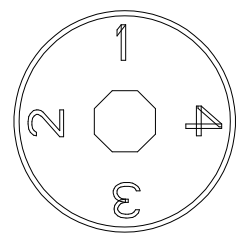
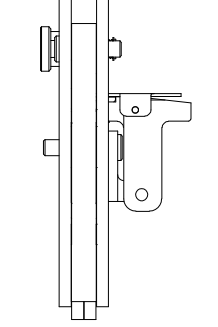
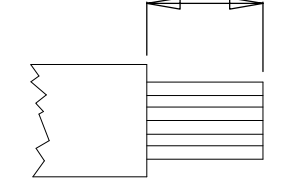
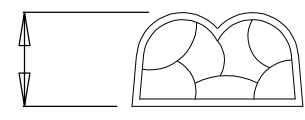
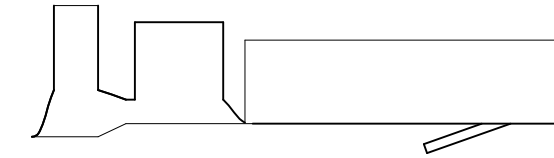
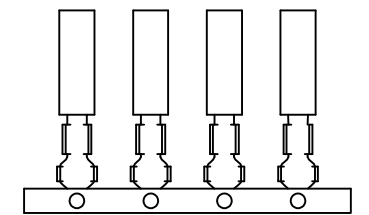


| DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS). THIS DRAWING IS A CONTROLLED DOCUMENT.<br>REF ID: A1583009 | TOOL NUMBER<br> -1<br> -3<br> |                                                                                                   |                          |     |    |                        |                              |                                                                                                |                                                                                                                                                                                    |                                        | WIRE SIZE<br>mm <sup>2</sup> [AWG]<br> | INSULATION DIAMETER<br>mm [in.]<br> | INSUL. ADJ.<br> | FLIP LOCATOR<br> | STRIP LENGTH<br>mm [in.]<br> | CRIMP HEIGHT<br>mm [in.]<br> | CONTACT PART NUMBERS  |  | CONTACT DESCRIPTION | APPLIC. SPECIF. |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------|-----|----|------------------------|------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|---------------------|-----------------|
|                                                                                                                          | LOOSE PIECE<br>                                                                                                                                                                              | STRIP FORM<br> |                          |     |    |                        |                              |                                                                                                |                                                                                                                                                                                    |                                        |                                                                                                                         |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          | 91563-1<br>91563-3                                                                                                                                                                                                                                                              | 0.20-0.56<br>[24-20]                                                                              | 1.50-2.20<br>[.059-.087] | YES | NO | 4.0-4.5<br>[.157-.177] | 0.98 ± 0.05<br>[.039 ± .002] | 171699-[ ]  | 171630-[ ]   | ECONOSEAL "J" II, .070 Series Contacts | 114-5082                                                                                                                |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          |                                                                                                                                                                                                                                                                                 | 0.20-0.56<br>[24-20]                                                                              |                          |     |    |                        | 1.02 ± 0.05<br>[.040 ± .002] | 173600-[ ]  | 171631-[ ]   |                                        |                                                                                                                         |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          | 91573-1<br>91573-3<br>                                                                                                                                                                         | 0.50-0.89<br>[20-18]                                                                              | 2.00-2.60<br>[.079-.102] | NO  | NO | 3.5-4.5<br>[.138-.177] | 1.20-1.35<br>[.047-.053]     | 175027-[ ]<br>175030-[ ]                                                                       | 173631-[ ]                                                                                      | .070 Series Contacts                   | 114-5091<br>114-5092<br>114-5091-9<br>114-5092-9                                                                        |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          |                                                                                                                                                                                                                                                                                 | 1.25-1.42<br>[16]                                                                                 |                          |     |    |                        | 1.45-1.60<br>[.057-.063]     |                                                                                                | 173645-[ ]                                                                                      |                                        |                                                                                                                         |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          | 91580-1<br>91580-3                                                                                                                                                                                                                                                              | 0.20-0.22<br>[24]                                                                                 | 1.20-1.50<br>[.047-.059] | NO  | NO | 3.5-4.5<br>[.138-.177] | 1.00-1.10<br>[.039-.043]     | 175026-[ ]<br>175029-[ ]                                                                       | 173630-[ ]                                                                                      | .070 Series Contacts                   | 114-5091-9<br>114-5092-9                                                                                                |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          |                                                                                                                                                                                                                                                                                 | 0.30-0.35<br>[22]                                                                                 | 1.20-1.60<br>[.047-.063] |     |    |                        | 1.05-1.18<br>[.041-.046]     |                                                                                                | 173633-[ ]                                                                                      |                                        |                                                                                                                         |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          | 91583-1<br>91583-3                                                                                                                                                                                                                                                              | 0.50-0.89<br>[20-18]                                                                              | 2.00-2.70<br>[.079-.106] | YES | NO | 4.5-5.0<br>[.177-.197] | 1.20-1.32<br>[.047-.0512]    | 173707-[ ]  | 171662-[ ]   | ECONOSEAL "J" II, .070 Series Contacts | 114-5082                                                                                                                |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          |                                                                                                                                                                                                                                                                                 | 1.25-1.42<br>[16]                                                                                 |                          |     |    |                        | 1.38-1.52<br>[.054-.060]     |                                                                                                |                                                                                                                                                                                    |                                        |                                                                                                                         |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          | 91585-1<br>91585-3                                                                                                                                                                                                                                                              | 0.50-0.89<br>[20-18]                                                                              | 2.00-2.70<br>[.079-.106] | YES | NO | 4.5-5.0<br>[.177-.197] | 1.20-1.32<br>[.047-.052]     | 173706-[ ]  | 171661-[ ]   | ECONOSEAL "J" II, .070 Series Contacts | 114-5082                                                                                                                |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |
|                                                                                                                          |                                                                                                                                                                                                                                                                                 | 1.25-1.42<br>[16]                                                                                 |                          |     |    |                        | 1.38-1.52<br>[.054-.060]     |                                                                                                |                                                                                                                                                                                    |                                        |                                                                                                                         |                                                                                                                      |                                                                                                  |                                                                                                    |                                                                                                                 |                                                                                                                 |                                                                                                         |  |                     |                 |

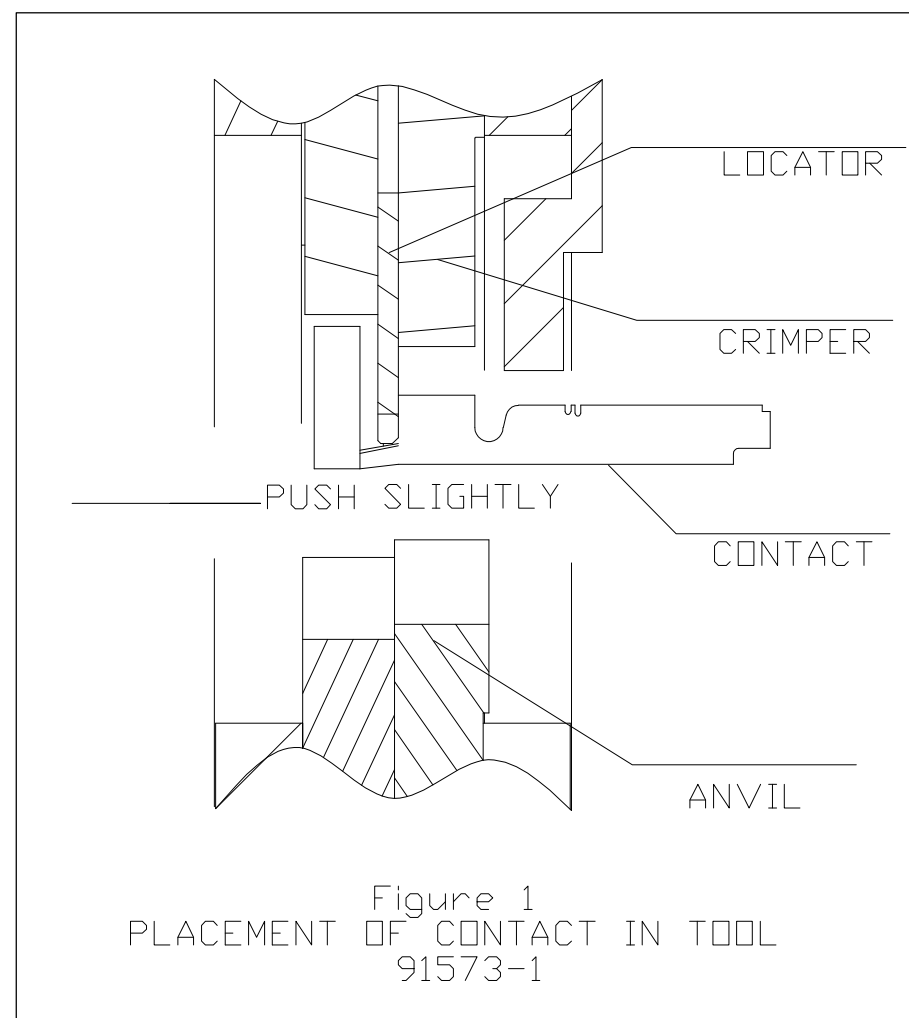
 LIST OF APPLIED CONTACT PART NUMBERS MAY NOT BE COMPLETE AND IS SUBJECT TO CHANGE. FOR CURRENT INFORMATION ON TERMINAL PART NUMBERS, CONTACT THE TOOLING ASSISTANCE CENTER : 1-800-722-1111.

2. AMP, CERTI-CRIMP and ECONOSEAL ARE TRADEMARKS.

 TERMINAL MUST BE PRE-FORMED BEFORE IT CAN BE CRIMPED.

 .070 TYPE RUBBER PLUG 172746-[ ] OR 178210-[ ] IS USED WHEN CRIMPING THIS PRODUCT.

 .070 TYPE RUBBER PLUG 176886-[ ] OR 172888-[ ] IS USED WHEN CRIMPING THIS PRODUCT.



 POSITION CONTACT BETWEEN CRIMPS SO LOCATOR / INSULATION STOP ENTERS THE CONTACT. PUSH THE CONTACT TOWARD THE LOCATOR AS SHOWN IN FIGURE 1. HOLDING CONTACT IN PLACE, SQUEEZE TOOL HANDLES TOGETHER UNTIL INSULATION BARREL ANVIL STARTS ENTRY INTO INSULATION CRIMPER. DO NOT DEFORM INSULATION BARRREL OR WIRE BARREL AT THIS MOMENT.

 -1 IS A COMPLETE CERTICRIMP II HAND TOOL ASSEMBLY.  
-3 IS A CERTICRIMP II HEAD SUB-ASSEMBLY.

8. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414.

## CERTI-CRIMP II DATA SHEET

|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|--|--|--|--|---------------------------------------------------------------------------------------|--|-----------|--|-----------|--|-------------------------------------------------------------------------------------------------------|--|--|--|
|  |  |  |  | OTHERWISE SPECIFIED:                                                                  |  | B.A.WOLFE |  | 22FEB2012 |  |  TE Connectivity |  |  |  |
|  |  |  |  | mm                                                                                    |  | 0 PLC ± - |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |  |  | 1 PLC ± - |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  | 2 PLC ± - |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  | 3 PLC ± - |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  | 4 PLC ± - |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |
|  |  |  |  |                                                                                       |  |           |  |           |  |                                                                                                       |  |  |  |

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES (TE). IT MAY NOT BE DISCLOSED TO ANYONE, OTHER THAN TE PERSONNEL, WITHOUT AUTHORIZATION FROM TE ([www.te.com](http://www.te.com)).

|            |
|------------|
| LOC<br>A   |
| DIST<br>00 |

|                                                                        |           |                                                                                                       |            |
|------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------|------------|
| DWN                                                                    | 21FEB2012 | MATERIAL                                                                                              | HEAT TREAT |
| M. YOUNGER                                                             |           | -                                                                                                     | -          |
| CHK                                                                    | 22FEB2012 |                                                                                                       | -          |
| B.A.WOLFE                                                              |           |  TE Connectivity |            |
| APVD                                                                   | 22FEB2012 |                                                                                                       |            |
| B.A. WOLFE                                                             |           |                                                                                                       |            |
| NAME                                                                   |           |                                                                                                       |            |
| CERTI-CRIMP II TOOL DATA SHEET<br>ECONOSEAL J-1 & .070 SERIES CONTACTS |           |                                                                                                       |            |
| SCALE                                                                  | SIZE      | DRAWING NO                                                                                            | SHEET      |
| -                                                                      | A1        | 1583009                                                                                               | 2 of 2     |
|                                                                        |           |                                                                                                       | REV B4     |