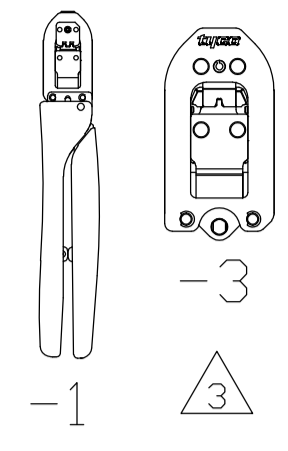
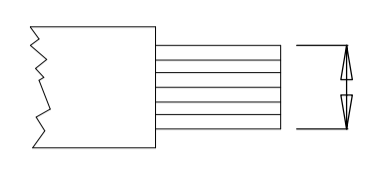
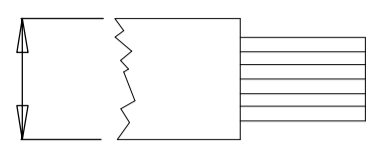
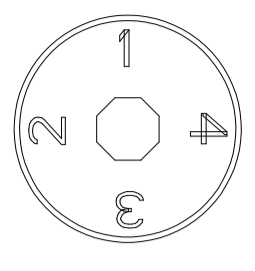
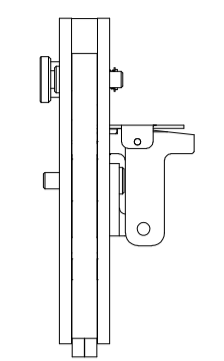
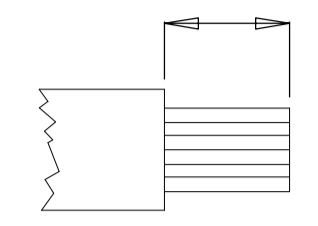
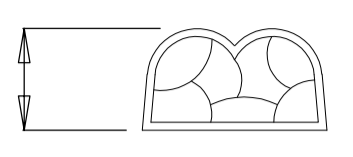
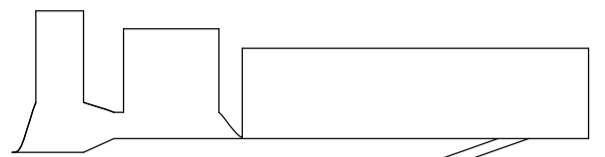
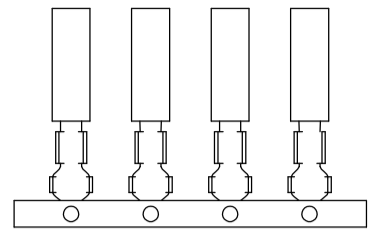


THIS DRAWING IS A CONTROLLED DOCUMENT. DWG NO 1583011

| TOOL NUMBER<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 <sup>△</sup>  |  |   |                                   | CONTACT DESCRIP.                                 | APPLIC. SPECIF. |
|--|---|--|--|--|---|---|--|--|---|-----------------------------------|--|-----------------|
|  |   |  |  |  |   |   | LOOSE PIECE<br>                                     |  | STRIP FORM<br> |                                   |  |                 |
| 91507-1<br>91507-3   | 0.20-0.50<br>[24-20]  | 1.14-1.78<br>[.045-.070]   | NO   | NO   | 3.56 ± 0.39<br>[.140 ± .0155]   | 0.84 ± 0.05<br>[.033 ± .002]  | 60789-[ ]<br>61276-[ ]   | 60598-[ ]<br>61119-[ ]   |   | .058 DIAMETER<br>PC CONTACT       | 114-1008   |                 |
| 91526-1<br>91526-3   | 0.12-0.35<br>[26-22]<br>0.50-0.89<br>[20-18]  | 1.27-2.79<br>[.050-.110]   | YES  | NO   | 3.96 ± 0.38<br>[.156 ± .015]  | 0.71 ± 0.057<br>[.028 ± .002]<br>0.97 ± 0.057<br>[.038 ± .002]  | 350666-[ ]<br>640545-[ ]<br>640580-[ ]<br>641300-[ ]   | 350665-[ ]<br>350967-[ ]<br>350969-[ ]<br>641294-[ ]   |   | MINIATURE RECTANGULAR<br>CONTACTS | 114-1014   |                 |
| 91531-1<br>91531-3   | 0.12-0.35<br>[26-22]<br>0.12-0.35<br>[26-22]  | 0.91-1.37<br>[.036-.054]   | YES  | NO   | 3.56 ± 0.38<br>[.140 ± .015]  | 0.76 ± 0.05<br>[.030 ± .002]<br>0.76 ± 0.05<br>[.030 ± .002]  | 104505-3 530553-3<br>104505-5 530553-5<br>104505-7 530553-7<br>531216-2 531224-7<br>531216-4   | 104505-2 530553-3<br>104505-4 530553-5<br>104505-6 530553-7<br>531216-1 531224-6<br>531216-3                 |   | TANDEM SPRING<br>Contacts         | 114-25021  |                 |
| 91534-1<br>91534-3   | 0.12-0.22<br>[26-24]  | 0.64-1.27<br>[.025-.050]   | YES  | NO   | 3.96 ± 0.38<br>[.156 ± .015]  | 0.71 ± 0.05<br>[.028 ± .002]  | 640579-[ ]<br>794001-[ ]   | 350968-[ ]<br>794000-[ ]   |   | MINIATURE RECTANGULAR<br>CONTACTS | 114-1014   |                 |
| 91535-1<br>91535-3   | 0.20-0.35<br>[24-22]<br>0.50-0.56<br>[20]   | 1.22-2.03<br>[.048-.080]   | YES  | NO   | 3.56 ± 0.38<br>[.140 ± .015]  | 0.84 ± 0.05<br>[.033 ± .002]<br>0.99 ± 0.05<br>[.039 ± .002]  | 531477-3 583853-9<br>531477-5 1-583853-1<br>583853-4<br>583853-5   | 531477-1 583853-3<br>531477-2 583853-7<br>531477-4 583853-8<br>583853-1 1-583853-0<br>583853-2 1-583853-3    |   | TWIN LEAF<br>CONTACTS             | 114-9004   |                 |
| 91537-1<br>91537-3   | 0.12-0.22<br>[26-24]<br>0.30-0.35<br>[22]   | 1.02-1.42<br>[.040-.056]<br>1.02-1.75<br>[.040-.069]<br>1.02-1.42<br>[.040-.056]<br>1.02-1.75<br>[.040-.069]         | NO   | NO   | 3.18 ± 0.38<br>[.125 ± .015]  | 0.622 ± 0.038<br>[.0245 ± .0015]<br>0.71 ± 0.05<br>[.028 ± .002]  | 86561-[ ] 88067-[ ]<br>86571-[ ] 181270-[ ]<br>86658-2<br>86657-2<br>86561-[ ] 88067-[ ]<br>86571-[ ] 181270-[ ]<br>86658-2<br>86657-2 | 86557-[ ] 88067-2<br>86566-[ ]<br>86656-2<br>86655-2<br>86557-[ ] 88067-2<br>86566-[ ]<br>86656-2<br>86655-2 |   | FLEXIBLE FLAT CABLE<br>CONNECTORS | 114-16003<br>114-16007<br>114-16015<br>114-20004 |                 |
| 91538-1<br>91538-3   | 0.05-0.56<br>[30-20]  | 0.76-2.16<br>[.030-.085]   | NO   | NO   | 5.16 ± 0.38<br>[.203 ± .015]  | 1.09 ± 0.05<br>[.043 ± .002]  | SEE INSTRUCTION SHEET<br>408-10274   |  |   | TYPE II SCREW MACHINE<br>CONTACT  | 114-10026  |                 |

<sup>△</sup> 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 & AMP-BLADE ARE TRADEMARKS.

<sup>△</sup> -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY.  
-3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

4. 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. THE 91538-1 AND -3 TOOL USE IS 408-10274.

### CERTI-CRIMP II DATA SHEET

|       |  |            |   |    |            |   |
|-------|--|------------|---|----|------------|---|
| DWN   | M. YOUNGER   | 21FEB2012  | MATERIAL  | -  | HEAT TREAT | - |
| CHK   | B.A. WOLFE   | 22FEB2012  |  TE Connectivity |    |            |   |
| APVD  | B.A. WOLFE   | 22FEB2012  |   |    |            |   |
| NAME  | CERTI-CRIMP II TOOL DATA SHEET<br>MISCELLANEOUS CONTACTS |            |   |    |            |   |
| SCALE | SIZE   | DRAWING NO | SHEET   | OF | REV        |   |
| -     | A1   | 1583011    | 1   | 7  | F8         |   |


|    |         |                 |         |     |      |
|----|---------|-----------------|---------|-----|------|
| FB | RECISED | 1901771         | 04/2015 | ASW | BAW  |
| P  | LTR     | REVISION RECORD | DATE    | DWN | APVD |

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

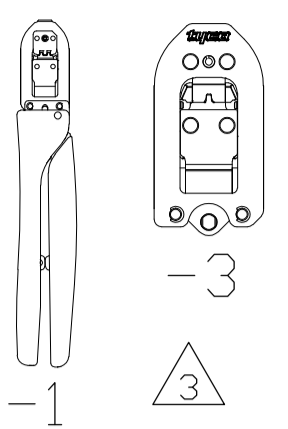
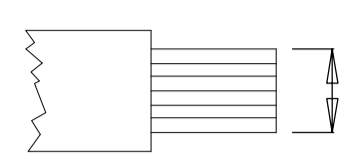
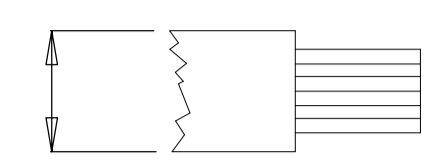
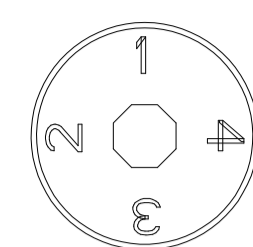
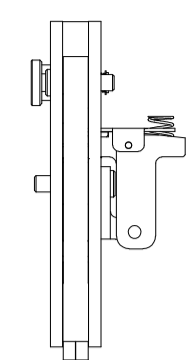
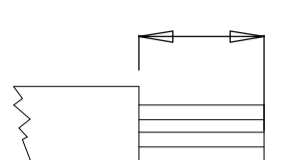
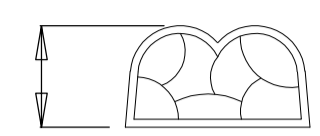

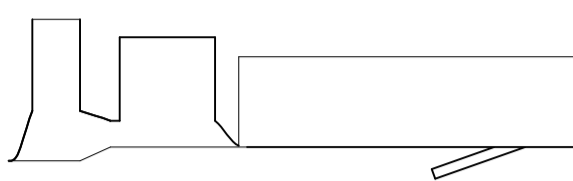
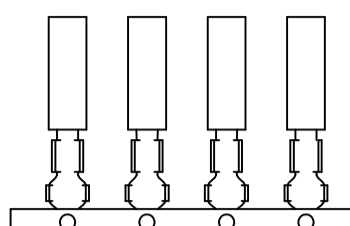
|       |       |
|-------|-------|
| 0 PLC | ± .00 |
| 1 PLC | ± .00 |
| 2 PLC | ± .00 |
| 3 PLC | ± .00 |
| 4 PLC | ± .00 |


ANGLES: -

SURFACE TEXTURE: 


LOC A  
DIST 00

THIS DRAWING IS A CONTROLLED DOCUMENT. DWG NO 1583011

| TOOL NUMBER<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 DESCRIP.                            | APPLIC. SPECIF. |
|--|---|--|--|--|---|---|---|---|---|----------------------|---|-----------------|
|  |   |  |  |  |   |   | LOOSE PIECE<br>      |   | STRIP FORM<br> |                      |   |                 |
| 91539-1<br>91539-3   | 0.30-0.89 [22-18]   | -  | NO   | NO   | 6.35 ± 0.38 [250 ± .015]  | 1.60 ± 0.05 [0.63 ± .002]   | PIN -   | SOCKET 201751-[ ]   | COLOR: GREEN BARREL<br>BLUE SHOULDER  |                      | TYPE II SCREW MACHINE CONTACT               | 114-10026       |
|  | 2x0.75 [2x18]   | -  |  |  |   |   | PIN 202725-[ ]  | SOCKET 202726-[ ]   | COLOR: BLUE SHOULDER  |                      |   |                 |
|  | 0.75-1.42 [18-16]   | -  |  |  |   |   | PIN 200681-[ ]<br>200336-[ ]<br>204274-[ ]<br>204219-[ ]<br>207893-[ ]                                  | SOCKET 201589-[ ]<br>200333-[ ]<br>207896-[ ]<br>130743-1 | COLOR: BLUE BARREL<br>BLUE SHOULDER   |                      |   |                 |
|  | 2.00-2.27 [14]  | -  |  |  |   |   | PIN 201645-[ ]<br>201570-[ ]  | SOCKET 201568-[ ]   | COLOR: VIOLET BARREL<br>BLUE SHOULDER   |                      |   |                 |
| 91540-1<br>91540-3   | 0.12-0.35 [26-22]   | 0.91-1.42 [0.36-.056]  | YES  | NO   | 3.56 ± 0.38 [140 ± .015]  | 0.76 ± 0.05 [0.30 ± .002]   | 530553-5  | 531216-2  | 530553-1  | 530553-6             | TANDEM SPRING & MINI-TANDEM SPRING CONTACTS | 114-25021       |
|  | 0.03-0.09 [32-28]   | 0.64-1.37 [0.25-.054]  |  |  |   |   | 530553-7  | 531216-4<br>531224-7                                      | 530553-2<br>530553-4  | 531216-1<br>531216-3 |   |                 |
| 91544-1<br>91544-3   | 0.20-0.35 [24-22]   | 1.58 MAX [0.62] MAX  | YES  | NO   | 3.96 ± 0.38 [156 ± .015]  | 0.724 ± 0.051 [0.285 ± .002]  | 164169-[ ]  | 203802-[ ]  | 164153-[ ]  | 203801-[ ]           | TYPE XI CONTACT                             | 114-10002       |
|  | 0.50-0.56 [20]  |  |  |  |   |   | 164170-[ ]  | 203816-[ ]  | 164155-[ ]  | 203815-[ ]           |   |                 |
| 91546-1<br>91546-3   | 0.50-0.89 [20-18]   | 2.03-2.54 [0.80-1.00]  | NO   | NO   | 4.76 ± 0.38 [188 ± .015]  | 1.42 ± 0.05 [0.56 ± .002]   | 41667   |   | 41650   |                      | TAPER PIN CONTACT                           | 114-7006        |
| 91547-1<br>91547-3   | 0.20-0.35 [24-22]   | 1.02-1.52 [0.40-.060]  | NO   | NO   | 3.18 ± 0.38 [125 ± .015]  | 0.89 ± 0.05 [0.35 ± .002]   | 41661<br>41662  | 41663   | 41278<br>41640  | 41646<br>66113-3     | TAPER PIN CONTACT                           | 114-7006        |
| 91555-1<br>91555-3   | 0.20-0.56 [24-20]   | 1.02-1.78 [0.40-.070]  | NO   | NO   | 2.92-3.68 [115-145]   | 0.991 ± 0.038 [0.39 ± .0015]  | 66010-[ ]<br>531586-6   |   | 66005-[ ]<br>531586-3   |                      | AMP-BLADE RECEPTACLE CONTACT                | 108-9202        |
|  | 2x0.2 DR 2x0.3 [2x24 DR 2x22]   | 2.79 [110] MAX TOTAL   |  |  |   |   |   |   |   |                      |   |                 |


 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 & AMP-BLADE ARE TRADEMARKS.

 -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY.  
-3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

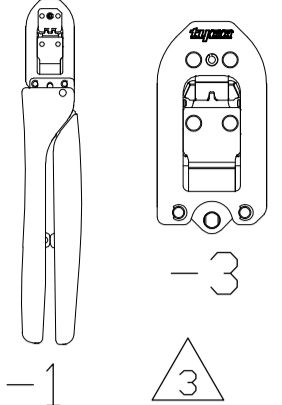
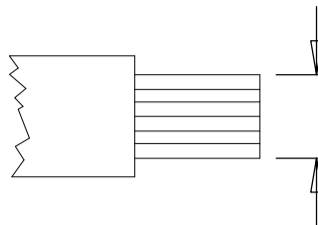
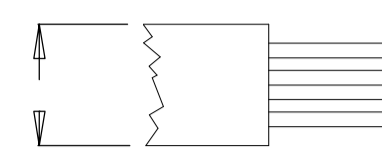
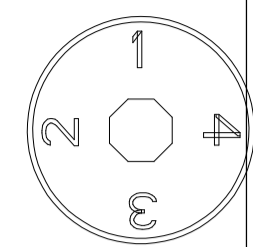
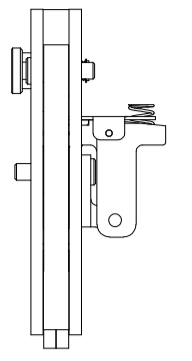
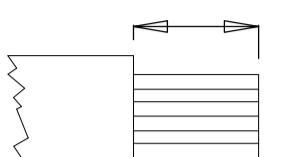
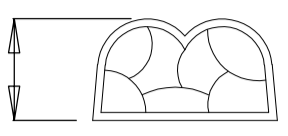

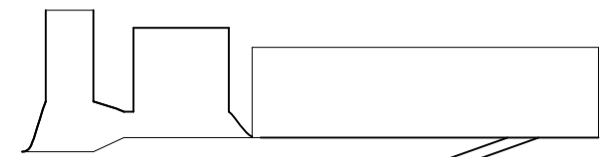
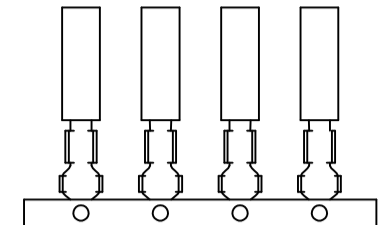
4. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414. THE 91538-1 AND -3 TOOL USE IS 408-10274.


### CERTI-CRIMP II DATA SHEET


|  |          |   |                     |
|--|----------|---|---------------------|
| DWG: M. YOUNGER 21FEB2012                                      |          | MATERIAL: -   | HEAT TREAT: -       |
| CHK: B.A. WOLFE 22FEB2012                                      |          |  TE Connectivity |                     |
| APVD: B.A. WOLFE 22FEB2012                                     |          |   |                     |
| NAME: CERTI-CRIMP II TOOL DATA SHEET<br>MISCELLANEOUS CONTACTS |          |   |                     |
| SCALE: -   | SIZE: A1 | DRAWING NO: 1583011   | SHEET 2 of 7 REV F8 |

|                |      |  |      |
|----------------|------|--|------|
| DIMENSIONS: mm |      | TOLERANCES UNLESS OTHERWISE SPECIFIED:   |      |
| 0 PLC          | ± .- | 1 PLC  | ± .- |
| 1 PLC          | ± .- | 2 PLC  | ± .- |
| 2 PLC          | ± .- | 3 PLC  | ± .- |
| 3 PLC          | ± .- | 4 PLC  | ± .- |
| ANGLES: -      |      | SURFACE TEXTURE:  |      |

LOC A  
DIST 00

| TOOL NUMBER<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 DESCRIP.        | APPLIC. SPECIF. |
|--|---|--|--|--|---|---|---|---------|---|-------------------|-------------------------|-----------------|
|  |   |  |  |  |   |   | LOOSE PIECE<br>      |         | STRIP FORM<br> |                   |                         |                 |
| 91354-1  | 1.94-2.15 [14]  | 2.18-3.94 [.086-.155]  | NO   | NO   | 4.8-5.6 [.189-.220]   | 1.70 ± 0.05 [.067 ± .002]   | 9-1437846-0   |         | .040" [DUAL CONTACT] SBEC 1 MM TERMINAL   | 114-13039         |                         |                 |
| 91355-1  | 0.32-0.38 [22]  | 1.50-1.75 [.059-.069]  | NO   | NO   | 4.8-5.6 [.189-.220]   | 1.10 ± 0.05 [.043 ± .002]   | 9-1437846-1   |         | .040" [DUAL CONTACT] SBEC 1 MM TERMINAL   | 114-13039         |                         |                 |
|  | 0.81-0.96 [18]  | 1.70-3.00 [.067-.118]  |  |  |   | 1.45 ± 0.05 [.057 ± .002]   | 9-1437846-2   |         |   |                   |                         |                 |
| 91356-1  | 1.28-1.42 [16]  | 2.18-2.41 [.086-.095]  | NO   | NO   | 4.8-5.6 [.189-.220]   | 1.32 ± 0.05 [.052 ± .002]   | 1456004-1   |         | 1 MM TERMINAL   | 114-13039         |                         |                 |
| 91357-1  | 0.50-0.60 [20]  | 1.70-1.93 [.067-.076]  | NO   | NO   | 4.8-5.6 [.189-.220]   | 1.05 ± 0.05 [.041 ± .002]   | 1456004-2   |         | 1 MM TERMINAL   | 114-13039         |                         |                 |
|  | 0.81-0.96 [18]  | 1.90-2.25 [.075-.089]  |  |  |   | 1.15 ± 0.05 [.045 ± .002]   | 1456004-1   |         |   |                   |                         |                 |
| 91599-1  | 0.20-0.22 [24]  | 0.96-1.12 [.038-.044]  | NO   | NO   | 2.5-3.3 [.100-.130]   | 0.79 ± 0.05 [.031 ± .002]   | 1604735-1   |         | FUSE CLIP   | N/A               |                         |                 |
| 1725061-1  | 0.30-0.35 [22]  | 1.34-1.60 [.053-.063]  | NO   | NO   | 3.8-4.8 [.150-.189]   | 1.55 ± 0.13 [.061 ± .005]   | ASCO PN: 280019-001   |         | ASCO REDHAT   | N/A               |                         |                 |
| 1804573-1  | 0.50-0.56x2 [20x2]  | 1.27-1.83 [.050-.072]  | NO   | NO   | 2.9-3.7 [.115-.145]   | 1.11 ± 0.05 [.043 ± .002]   | 66026-2   | 66021-2 | AMP BLADE RECEPT.   | 108-9201          |                         |                 |
| 1804573-3  |   | 1.73-2.29 [.065-.090]  |  |  |   | 0.99 ± 0.05 [.039 ± .002]   |   |         |   |                   |                         |                 |
| 1213783-1  | 0.12-0.37 (26-22)   | 1.20-1.90 (.047-.075)  | NO   | NO   | 3.2 ± 0.5 (.12 ± .02)   | 0.83 ± 0.04 (.033 ± .002)   | 175153  | 175155  | 175149  | 175151            | UNIVERSAL POWER CONTACT | 114-5142        |
|  | 0.50-0.89 (20-18)   | 1.70-2.70 (.067-.106)  |  |  |   | 1.13 ± 0.05 (.044 ± .002)   | 175154  | 175156  | 175150  | 175152            |                         |                 |
|  | 1.25-1.42 (16)  | 2.50-3.30 (.098-.130)  |  |  |   | 1.43 ± 0.05 (.056 ± .002)   |   |         |   |                   |                         |                 |
| 1901842-1  | 0.30-0.50 (22-20)   | 1.27-2.03 (.050-.080)  | NO   | NO   | 3.3 ± 0.4 (.130 ± .015)   | 1.07 ± 0.05 (.042 ± .002)   | 66010-2   |         | 66005-2   | AMP BLADE RECEPT. | 108-9201                |                 |
| 1901842-3  | 0.12-0.20 (26-24)   | 1.02-1.52 (.040-.060)  |  |  |   | 0.81 ± 0.05 (.032 ± .002)   | 66011-2   |         |   |                   |                         | 66009-2         |


 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.

 -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY. -3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

4. 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. THE 91538-1 AND -3 TOOL USE IS 408-10274.

2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS.

### CERTI-CRIMP II DATA SHEET

|   |          |   |                     |
|---|----------|---|---------------------|
| DWN: M. YOUNGER 21FEB2012                                   |          | MATERIAL: -   | HEAT TREAT: -       |
| CHK: B.A. WOLFE 22FEB2012                                   |          |  TE Connectivity |                     |
| APVD: B.A. WOLFE 22FEB2012                                  |          |   |                     |
| NAME: CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS |          |   |                     |
| SCALE: -  | SIZE: A1 | DRAWING NO: 1583011   | SHEET 3 of 7 REV F8 |

|   |     |     |
|---|-----|-----|
| 0 | PLC | ± - |
| 1 | PLC | ± - |
| 2 | PLC | ± - |
| 3 | PLC | ± - |
| 4 | PLC | ± - |

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DIST 00

THIS DRAWING IS A CONTROLLED DOCUMENT. DWG NO 1583011

| TOOL NUMBER            | WIRE SIZE<br>mm <sup>2</sup> [AWG]                   | INSULATION<br>DIAMETER<br>mm [in.]                   | INSUL.<br>ADJ. | FLIP<br>LOCATOR | STRIP<br>LENGTH<br>mm [in.]  | CRIMP<br>HEIGHT<br>mm [in.]                                      | CONTACT PART NUMBERS $\Delta$   |                               | CONTACT DESCRIP.                                       | APPLIC.<br>SPECIF.     |
|------------------------|--|--|----------------|-----------------|------------------------------|--|---------------------------------|-------------------------------|--|------------------------|
|                        |  |  |                |                 |                              |  | LOOSE PIECE                     | STRIP FORM                    |  |                        |
| 1901760-1<br>1901760-3 | 0.30-0.56<br>[22-20]                                 | 1.5-2.4<br>[.059-.094]                               | NO             | NO              | 4.0 ± 0.2<br>[.156 ± .008]   | 0.99 ± 0.14<br>[.039 ± .003]                                     | 1-170321-1                      | 1-170291-1                    | DUAL LINK<br>INTERLOCK CONN.                           | 114-5045               |
| 1901771-1<br>1901771-3 | 0.50-0.96<br>[20-18]<br>0.12-0.38<br>[26-22]         | 1.27-2.92<br>[.050-.115]                             | YES            | NO              | 4.0 ± 0.4<br>[.156 ± .015]   | 0.97 ± 0.05<br>[.039 ± .002]<br>0.71 ± 0.05<br>[.028 ± .002]     | 350037<br>350038                | 350019<br>350018              | MINIATURE RECTANGULAR<br>CONTACT                       | 114-1014               |
| 1901786-1<br>1901786-3 | 0.03-0.09<br>[32-28]                                 | 0.64-1.52<br>[.025-.060]<br>0.64-1.37<br>[.025-.054] | YES            | NO              | 3.96-3.18<br>[.156-.125]     | 0.53 ± 0.05<br>[.021 ± .002]                                     | 530901-3<br>104506-[ ]          | 530901-2<br>104506-[ ]        | MINI TANDEM SPRING<br>RCPT<br>AMPMODU MTE PIN          | 114-25021<br>114-25026 |
| 1901798-1<br>1901798-3 | 0.20-0.38<br>[24-22]<br>0.5-0.6<br>[20]              | 0.97-1.57<br>[.038-.062]<br>1.27-2.54<br>[.050-.100] | YES            | NO              | 3.96<br>[.156]               | 0.89 ± 0.05<br>[.035 ± .002]<br>1.02 ± 0.05<br>[.040 ± .002]     | -                               | 867052-[ ]                    | LOCKING CLIP .025-IN.<br>SQUARE CONTACT                | 114-25006              |
| 1901829-1<br>1901829-3 | INSULATION<br>PIERCING<br>SEE INSULATION<br>DIAMETER | 1.40 [.055]<br>1.02 [.040]                           | NO             | NO              | USE<br>UNSTRIPPED<br>WIRE    | 1.27 ± 0.05<br>[.050 ± .002]<br>1.17 ± 0.05<br>[.046 ± .002]     | 102348-2<br>102348-3            | 87107-5<br>87107-6            | MOD IV<br>CRIMP SNAP-IN RCPT                           | 114-25003              |
| 1901957-1<br>1901957-3 | 0.05-0.15<br>[30-26]<br>0.12-0.35<br>[26-22]         | 1.0-1.9<br>[.039-.075]<br>0.9-1.5<br>[.035-.059]     | YES            | NO              | 2.5 ± 0.5<br>[.098 ± .020]   | 0.71-0.86<br>[.028-.034]<br>0.59-0.73<br>[.023-.029]             | 171612-[ ]<br>171611-[ ]        | 171610-[ ]<br>171609-[ ]      | AMP-ULTREX<br>2.5mm/2.54mm PITCH<br>RECEPTACLE CONTACT | 114-5077               |
| 1901963-1<br>1901963-3 | 1.28-2.15<br>[16-14]<br>0.50-0.96<br>[20-18]         | 3.3-4.6<br>[.130-.180]<br>2.5-4.6<br>[.100-.180]     | YES            | NO              | 6.35 ± 1.60<br>[.250 ± .062] | 1.68 ± 0.08<br>[.066 ± .003]<br>1.40 ± 0.08<br>[.055 ± .003]     | SOCKET PIN<br>350388-1 350389-1 | SOCKET PIN<br>61626-1 61627-1 | .140 MATE-N-LOK<br>PIN AND SOCKET                      | 114-1007               |
| 1976150-1              | 0.50-1.00<br>[24-20]<br>0.21-0.56<br>[32-26]         | 1.80 MAX<br>[.071 MAX]<br>1.27 MAX<br>[.050 MAX]     | YES            | NO              | 4.37 ± 0.25<br>[.172 ± .010] | 0.94 ± 0.05<br>[.037 ± .002]<br>0.978 ± 0.050<br>[.0385 ± .0020] | -                               | 86497-2<br>86008-1            | HI PRESSURE<br>AMPMODU (INVERTED)                      | 114-25010              |


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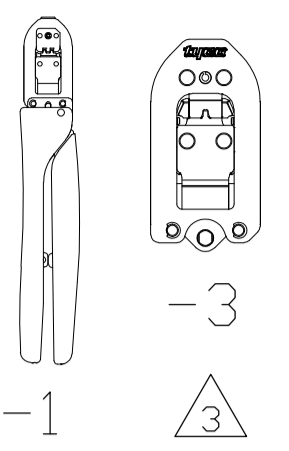
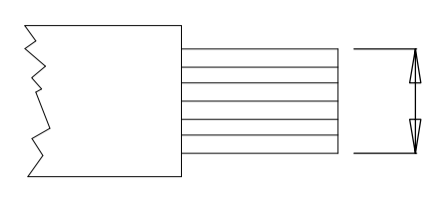
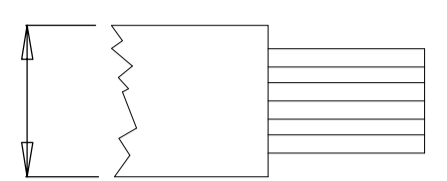
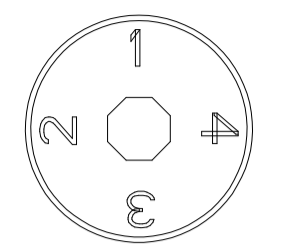
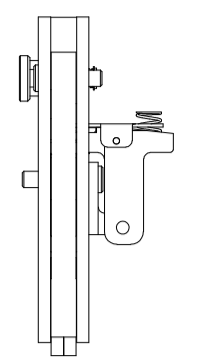
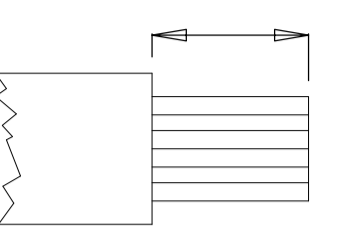
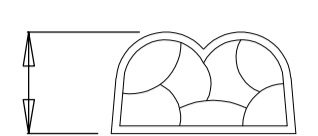

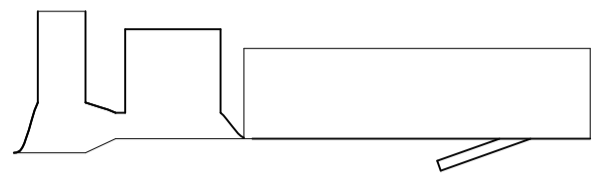
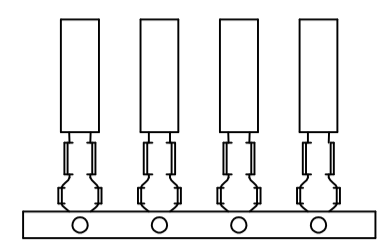
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### CERTI-CRIMP II DATA SHEET


|   |     |  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
|---|-----|--|------|--------------------------------|---------------|-----------------------|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|--|---|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|---|-----|-------|--------------------------------|---|--|
| DIMENSIONS:<br>mm   |     | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                        |      | DWG<br>M. YOUNGER<br>21FEB2012 | MATERIAL<br>- | HEAT TREAT<br>-       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| <table border="1"> <tr><td>0</td><td>PLC</td><td>± .01</td></tr> <tr><td>1</td><td>PLC</td><td>± .01</td></tr> <tr><td>2</td><td>PLC</td><td>± .01</td></tr> <tr><td>3</td><td>PLC</td><td>± .01</td></tr> <tr><td>4</td><td>PLC</td><td>± .01</td></tr> </table> |     | 0  | PLC  | ± .01                          | 1             | PLC                   | ± .01 | 2 | PLC | ± .01 | 3 | PLC | ± .01 | 4 | PLC | ± .01 | <table border="1"> <tr><td>0</td><td>PLC</td><td>± .01</td></tr> <tr><td>1</td><td>PLC</td><td>± .01</td></tr> <tr><td>2</td><td>PLC</td><td>± .01</td></tr> <tr><td>3</td><td>PLC</td><td>± .01</td></tr> <tr><td>4</td><td>PLC</td><td>± .01</td></tr> </table> |  | 0 | PLC | ± .01 | 1 | PLC | ± .01 | 2 | PLC | ± .01 | 3 | PLC | ± .01 | 4 | PLC | ± .01 | CHK<br>B.A. WOLFE<br>22FEB2012 |  TE Connectivity |  |
| 0   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 1   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 2   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 3   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 4   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 0   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 1   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 2   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 3   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| 4   | PLC | ± .01  |      |                                |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| APVD<br>B.A. WOLFE  |     | NAME<br>CERTI-CRIMP II TOOL DATA SHEET<br>MISCELLANEOUS CONTACTS |      | SCALE<br>-                     | SIZE<br>A1    | DRAWING NO<br>1583011 |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| P LTR   |     | REVISION RECORD  | DATE | DWG                            | APVD          | SHEET<br>4 of 7       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |
| SURFACE TEXTURE   |     | ✓  |      | REV<br>F8                      |               |                       |       |   |     |       |   |     |       |   |     |       |   |  |   |     |       |   |     |       |   |     |       |   |     |       |   |     |       |                                |   |  |


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THIS DRAWING IS A CONTROLLED DOCUMENT. P/N 1583011


| TOOL NUMBER<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 DESCRIP.                             | APPLIC. SPECIF. |
|--|---|--|--|---|---|---|---|---|--|-----------------|
|  |   |  |  |   |   |   | LOOSE PIECE<br>      | STRIP FORM<br> |  |                 |
| 1901557-1  | 0.50-0.56 [ 20 ]  | 2.20-2.60 [.087-.102]  | NO   | NO  | 4.0-5.0 [.157-.197]   | 1.285 ± 0.065 [.0505 ± .0025]   | 170112<br>170113  | 170099-2<br>170100-2  | .079 (2.0mm) DIA PIN & RECEPTACLE            | 114-5019        |
|  | 0.75-0.89 [ 18 ]  |  |  |   |   | 1.310 ± 0.090 [.0515 ± .0035]   |   |   |  |                 |
| 1901557-3  | 1.25-1.42 [ 16 ]  | 2.70-3.50 [.106-.138]  | NO   | NO  | 4.5-7.0 [.177-.276]   | 1.645 ± 0.050 [.0652 ± .0020]   | 170292<br>170293<br>171654  | 170279-1<br>170280-1<br>172786-1  | .079 (2.0mm) DIA PIN & RECEPTACLE, LANCELESS | 114-5039        |
|  | 2.00-2.27 [ 14 ]  |  |  |   |   | 1.690 ± 0.090 [.0665 ± .0035]   |   |   |  |                 |
| 1976577-1  | 0.80-1.24 [ 20-18 ]   | 1.37-1.88 [.054-.074]  | NO   | NO  | 2.92-3.68 [.115-.145]   | 1.35 ± 0.05 [.053 ± .002]   | 66169<br>66168  | 66144<br>66143  | AMP-TAB CONTACTS                             | 108-5039        |
| 1976577-3  | 0.40-0.64 [ 26-22 ]   | 0.89-1.37 [.035-.054]  |  |   |   | 0.94 ± 0.50 [.037 ± .002]   |   |   |  |                 |
| 2031245-1  | 0.50-0.90 [ 20-18 ]   | 1.27-1.65 [.050-.065]  | NO   | NO  | 3.18-3.96 [.125-.156]   | 1.029 ± 0.051 [.0405 ± .002]  | 167730-1<br>164715-1  | -<br>-  | AMP-LEAF                                     | 114-9003        |
| 2031245-3  | 0.20-0.40 [ 24-22 ]   | 0.89-1.40 [.035-.055]  |  |   |   | 0.775 ± 0.051 [.0305 ± .002]  |   |   |  |                 |
| 2031200-1  | 0.20-0.22 [24]  | 1.02 [.040]  | NO   | NO  | 3.56 ± 0.39 [.140 ± .015]   | 0.84 ± 0.05 [.033 ± .002]   | 60789<br>61276  | 60598<br>61119  | .058 DIA PC CONTACT                          | 114-1008        |
| 2031200-3  |   |  |  |   |   |   |   |   |  |                 |
| 2063834-1  | 0.5-0.6 [ 20 ]  | 1.8-2.1 [.071-.083]  | YES  | NO  | 4.00-5.00 [.157-.197]   | 0.89-1.05 [.035-.041]   | 179419-1<br>179420-1<br>1376702-1   | -   | .040 III UNSEALED RECEPTACLE CONTACT         | 114-5217        |
| 2063834-3  | 0.8-0.9 [ 18 ]  |  |  |   |   | 0.89-1.08 [.035-.043]   |   |   |  |                 |
|  | 1.25-14.42 [ 16 ]   |  |  |   |   | 1.06-1.40 [.042-.055]   |   |   |  |                 |
| 2063850-1  | 0.30-0.89 [22-18]   | 1.1-1.8 [.043-.071]  | YES  | NO  | 4.00-5.00 [.157-.197]   | 0.78-1.15 [.031-.045]   | 1376700<br>1376701  | 316836<br>316837  | .040 III UNSEALED RECEPTACLE CONTACT         | 114-5217        |
| 2063850-3  |   |  |  |   |   |   |   |   |  |                 |
| 2063811-1  | -   | 0.9-3.5 [.036-.138]  | NO   | NO  | -   | -   | 328854 328858<br>328855 328859<br>328856 328860<br>328857 328861  | -   | PRE-INSULATED SPARE WIRE CAP                 | -               |
| 2063811-3  |   |  |  |   |   |   |   |   |  |                 |
| 2063857-1  | 22 OR 20 OR (2)24   | 1.52-2.29 [.060-.090]  | NO   | NO  | 3.56±0.40 [.140±.015]   | 0.94 ± 0.05 [.037 ± .002]   | 640024-1  | 640259-1  | .058 DIA PC CONTACT                          | 114-1008        |
|  | 18 OR (2)20 OR (2)22  |  |  |   |   | 1.24 ± 0.05 [.049 ± .002]   |   |   |  |                 |

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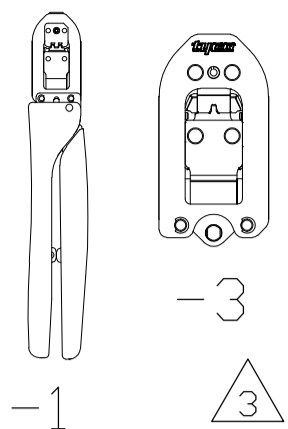
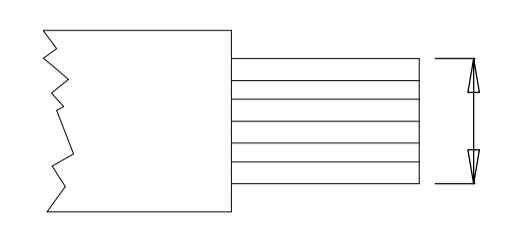
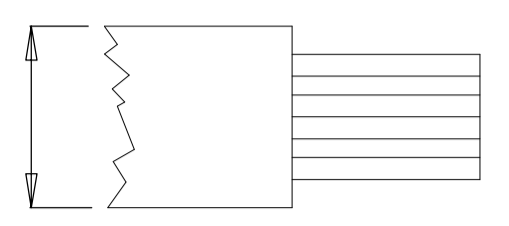
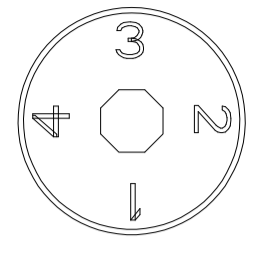
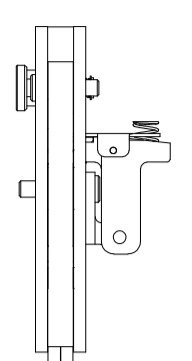
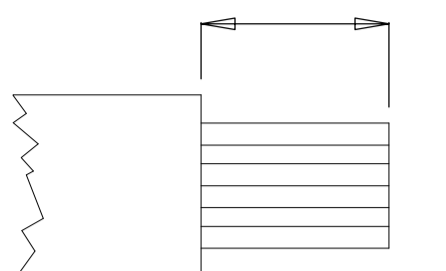

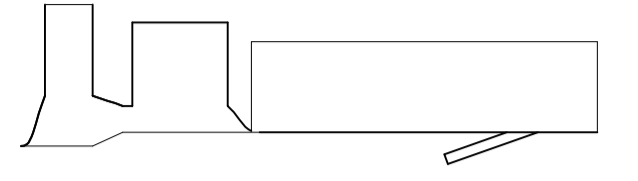
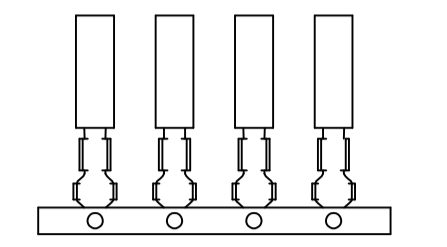
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## CERTI-CRIMP II DATA SHEET


|   |          |   |                     |
|---|----------|---|---------------------|
| DWN: M. YOUNGER 21FEB2012                                   |          | MATERIAL: -   | HEAT TREAT: -       |
| CHK: B.A.WOLFE 22FEB2012                                    |          |  TE Connectivity |                     |
| APVD: B.A. WOLFE 22FEB2012                                  |          |   |                     |
| NAME: CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS |          |   |                     |
| SCALE: -  | SIZE: A1 | DRAWING NO: 1583011   | SHEET 5 of 7 REV F8 |

LOC A  
DIST 00

THIS DRAWING IS A CONTROLLED DOCUMENT. DRAW NO 1583011

| TOOL NUMBER<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.]  | CONTACT PART NUMBERS  |   | CONTACT DESCRIP.             | APPLIC. SPECIF. |
|--|---|--|--|---|---|---|--|---|------------------------------|-----------------|
|  |   |  |  |   |   |   | LOOSE PIECE<br>       | STRIP FORM<br> |                              |                 |
| 2119536-1<br>2119536-3   | 0.03 [32]<br>0.50-0.06 [30]<br>0.08-0.09 [28]   | 0.4-0.7 [.016-.028]<br>0.5-0.8 [.020-.031]   | YES  | YES   | 1.0-1.2 [.04-.05]   | 0.405 ± 0.025 [.0159 ± .0010]<br>0.419 ± 0.025 [.0165 ± .0010]<br>0.460 ± 0.025 [.0181 ± .0010] | -  | 1735497-1   | 1.0 WIRE TO BOARD CONNECTOR  | 114-57020       |
| 2119537-1<br>2119537-3   | 0.03 [32]<br>0.05-0.06 [30]<br>0.08-0.09 [28]   | 0.9-1.2 [.035-.047]  | YES  | YES   | 0.9-1.3 [.04-.05]   | 0.485 ± 0.025 [.0190 ± .0010]<br>0.505 ± 0.025 [.0200 ± .0010]<br>0.535 ± 0.025 [.0210 ± .0010] | -  | 1734193-1   | 1.25 WIRE TO BOARD CONNECTOR | 114-57016       |
| 2119538-1<br>2119538-3   | 0.05-0.06 [30]<br>0.08-0.12 [28-26]<br>0.20 [24]  | .089-1.50 [.035-.059]  | NO   | YES   | 1.9-2.5 [.08-.10]   | 0.550 ± 0.025 [.022 ± .0010]<br>0.550 ± 0.025 [.022 ± .0010]<br>0.580 ± 0.025 [.023 ± .0010]    | -  | 1775442-1   | 2.0 WIRE TO BOARD CONNECTOR  | 114-57011       |
| 2119539-1<br>2119539-3   | 0.05 [30]<br>0.08-0.14 [28-26]<br>0.22 [24]   | .089-1.50 [.035-.059]  | YES  | YES   | 1.9-2.5 [.08-.10]   | 0.545 ± 0.025 [.0215 ± .0010]<br>0.584 ± 0.025 [.023 ± .0010]<br>0.645 ± 0.025 [.0255 ± .0010]  | -  | 440132-1<br>1735801-1   | 2.0 WIRE TO BOARD CONNECTOR  | 114-57011       |
| 1752794-1  | 0.20-0.35 [24-22]<br>0.50-0.56 [20]   | -  | NO   | NO  | 3.1-3.6 [.12-.14]   | 0.94 ± 0.05 [.037 ± .002]<br>1.07 ± 0.05 [.042 ± .002]  | -  | 42869-6   | .040 PIN RECEPT              | 114-2083        |
| 1976156-1  | .013 [26]<br>0.20-0.22 [24]   | 0.80-0.95 [.031-.037]<br>.090-1.20 [.035-.047]   | NO   | YES   | 3.25-3.55 [.13-.14]   | 0.61 ± 0.025 [.024 ± .001]<br>0.66 ± 0.025 [.026 ± .001]  | 1-211449-1<br>1-211449-2<br>1-211449-6   | 1-1703930-1<br>1-1703930-2<br>1-1703930-6   | NAND MQS                     | 114-18858       |
| 1976157-1  | 0.35 [22]<br>0.35 [22]  | 1.0-1.2 [.039-.047]<br>1.2-1.3 [.047-.051]   | NO   | YES   | 3.25-3.55 [.13-.14]   | 0.82 ± 0.025 [.032 ± .001]<br>0.82 ± 0.025 [.032 ± .001]  | 1-2112449-1<br>1-2112449-2<br>1-2112449-6  | 1-1703930-1<br>1-1703930-2<br>1-1703930-6   | NAND MQS                     | 114-18858       |


 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.

 -1 IS A CERTI-CRIMP II HAND TOOL ASSEMBLY. -3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

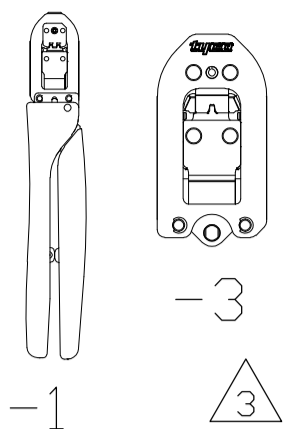
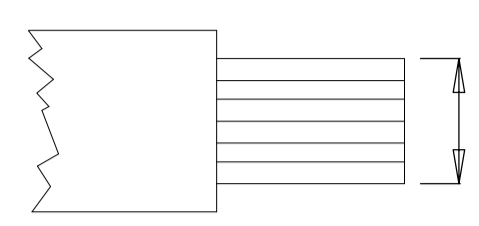
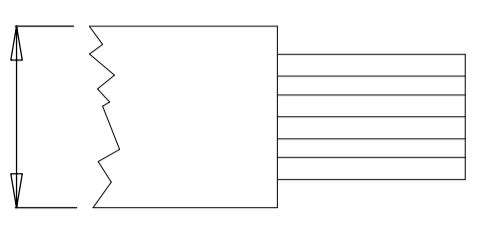
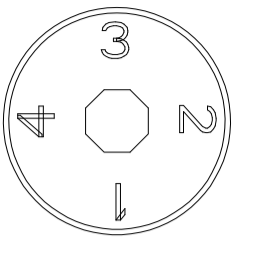
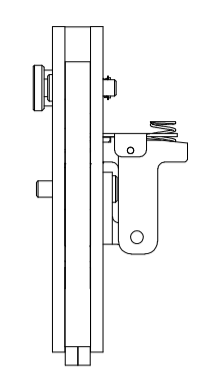
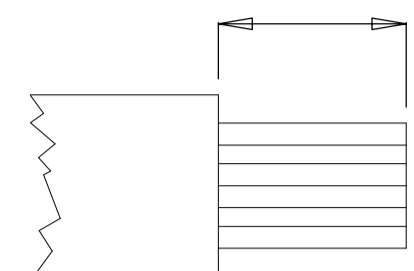

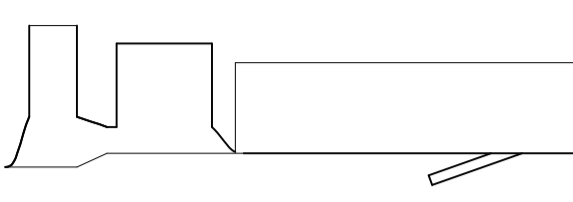
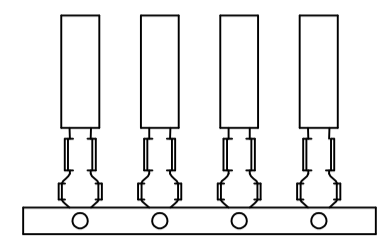
4. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414. THE 91538-1 AND -3 TOOL USE IS 408-10274.


2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS.

## CERTI-CRIMP II DATA SHEET


|   |     |  |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
|---|-----|--|-----|---|---|-----|-----|---|-----|-----|---|-----|-----|---|-----|-----|--|--|--------|---|-----------------|---|--|--|-------|---|----|---|-----|----|--|--|
| DWN: M. YOUNGER 21FEB2012   |     | MATERIAL: -                            |     | HEAT TREAT: -   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| CHK: B.A. WOLFE 22FEB2012   |     | APVD: B.A. WOLFE 22FEB2012             |     |  TE Connectivity |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| NAME: B.A. WOLFE  |     | DRAWING NO: 1583011                    |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| DIMENSIONS: mm  |     | TOLERANCES UNLESS OTHERWISE SPECIFIED: |     | SCALE: - SIZE: A1   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| <table border="1" style="font-size: small;"> <tr><td>0</td><td>PLC</td><td>± .</td></tr> <tr><td>1</td><td>PLC</td><td>± .</td></tr> <tr><td>2</td><td>PLC</td><td>± .</td></tr> <tr><td>3</td><td>PLC</td><td>± .</td></tr> <tr><td>4</td><td>PLC</td><td>± .</td></tr> </table> |     | 0                                      | PLC | ± .   | 1 | PLC | ± . | 2 | PLC | ± . | 3 | PLC | ± . | 4 | PLC | ± . | <table border="1" style="font-size: small;"> <tr><td>ANGLES</td><td>±</td></tr> <tr><td>SURFACE TEXTURE</td><td>√</td></tr> </table> |  | ANGLES | ± | SURFACE TEXTURE | √ | <table border="1" style="font-size: small;"> <tr><td>SHEET</td><td>6</td><td>of</td><td>7</td></tr> <tr><td>REV</td><td>F8</td><td colspan="2"></td></tr> </table> |  | SHEET | 6 | of | 7 | REV | F8 |  |  |
| 0   | PLC | ± .                                    |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| 1   | PLC | ± .                                    |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| 2   | PLC | ± .                                    |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| 3   | PLC | ± .                                    |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| 4   | PLC | ± .                                    |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| ANGLES  | ±   |  |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| SURFACE TEXTURE   | √   |  |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| SHEET   | 6   | of                                     | 7   |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| REV   | F8  |  |     |   |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |
| P LTR   |     | REVISION RECORD                        |     | DATE  |   |     |     |   |     |     |   |     |     |   |     |     |  |  |        |   |                 |   |  |  |       |   |    |   |     |    |  |  |

LOC A  
DIST 00

| TOOL NUMBER<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.]    | CONTACT PART NUMBERS  |   | CONTACT DESCRIP.                    | APPLIC. SPECIF. |
|--|---|--|--|---|---|-----------------------------|--|---|-------------------------------------|-----------------|
|  |   |  |  |   |   |                             | LOOSE PIECE<br>       | STRIP FORM<br> |                                     |                 |
| 2217766-1  | 0.32-0.60 [22-20]   | 1.27-2.54 [0.50-0.100]   | YES  | NO  | 3.96 [0.156]  | 1.02 ± 0.05 [0.040 ± .002]  | 87278-[ ]  | 87269-[ ]   | LOCKING CLIP CONTACT<br>.031 X .062 | 114-25008       |
|  | 0.80-0.90 [18]  |  |  |   |   | 1.22 ± 0.05 [0.048 ± .002]  |  |   |                                     |                 |
| 2280413-1  | 0.85-0.87 [18]  | -  | NO   | YES   | 1.60 [0.063]  | 1.15 ± 0.05 [0.0153 ± .002] | -  | RECPT-2271279-[ ]<br>PIN-2271283-[ ]<br>GROUND-2271285-[ ]  | MICRO MOTOR CONN.                   | 114-5377        |
|  | 0.51-0.53 [20]  |  |  | 1   |   | 1.00 ± 0.05 [0.0394 ± .002] |  |   |                                     |                 |
|  | 0.34-0.37 [22]  |  |  | 2   |   | 0.85 ± 0.05 [0.0335 ± .002] |  |   |                                     |                 |
|  |   |  |  | 3   |   |                             |  |   |                                     |                 |

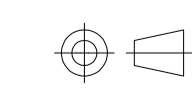

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### CERTI-CRIMP II DATA SHEET

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| DWN: M. YOUNGER 21FEB2012  |  | MATERIAL: -                            |  | HEAT TREAT: -   |  |
| CHK: B.A. WOLFE 22FEB2012  |  | APVD: B.A. WOLFE 22FEB2012             |  | NAME: B.A. WOLFE  |  |
| DIMENSIONS: mm   |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± -<br>4 PLC ± - |  |
| ANGLE: <br>SURFACE TEXTURE:  |  | SCALE: -                               |  | SIZE: A1  |  |
| P LTR  |  | REVISION RECORD                        |  | DATE  |  |
| DWN  |  | APVD                                   |  | SURFACE TEXTURE   |  |
| DRAWING NO: 1583011  |  | SHEET: 7 of 7                          |  | REV: F8   |  |

LOC: A  
DIST: 00

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