

THIS DRAWING IS A CONTROLLED DOCUMENT.

| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER mm [in.] | INSUL. ADJ. | FLIP LOCATOR | STRIP LENGTH mm [in.] | CRIMP HEIGHT mm [in.] | CONTACT PART NUMBERS | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|--------------------|---|--|-----------------|------------------|-------------------------------|---|--|---|-----------------------------------|--|
| | | | | | | | LOOSE PIECE | STRIP FORM | | |
| 91507-1 91507-3 | 0.20-0.50 [24-20] | 1.14-1.78 [.045-.070] | NO | NO | 3.56 ± 0.39 [.140 ± .0155] | 0.84 ± 0.05 [.033 ± .002] | 60789-[] 61276-[] | 60598-[] 61119-[] | .058 DIAMETER PC CONTACT | 114-1008 |
| 91526-1 91526-3 | 0.12-0.38 [26-22] 0.50-0.96 [20-18] | 1.27-2.92 [.050-.115] | YES | NO | 3.96 ± 0.38 [.156 ± .015] | 0.71 ± 0.057 [.028 ± .002] 0.97 ± 0.057 [.038 ± .002] | 350666-[] 640545-[] 640580-[] 641300-[] | 350665-[] 350967-[] 350969-[] 641294-[] | MINIATURE RECTANGULAR CONTACTS | 114-1014 |
| 91531-1 91531-3 | 0.12-0.35 PIN [26-22] 0.12-0.35 RECP [26-22] | 0.91-1.37 [.036-.054] | YES | YES | 3.56 ± 0.38 [.140 ± .015] | 0.76 ± 0.05 [.030 ± .002] | 104505-3 104505-5 104505-7 531216-2 104480-7 531216-4 104480-8 530553-3 104480-9 530553-5 1-104480-4 530553-7 1-104480-5 531224-7 1-104480-6 | 104505-2 104505-4 104505-6 531216-1 104480-1 1-104480-7 531216-3 104480-2 530553-3 104480-3 530553-5 104480-4 530553-7 1-104480-2 531224-6 1-104480-3 | TANDEM SPRING Contacts | 114-25021 |
| 91534-1 91534-3 | 0.12-0.24 [26-24] | 0.64-1.27 [.025-.050] | YES | NO | 3.96 ± 0.38 [.156 ± .015] | 0.71 ± 0.05 [.028 ± .002] | 640579-[] 794001-[] | 350968-[] 794000-[] | MINIATURE RECTANGULAR CONTACTS | 114-1014 |
| 91535-1 91535-3 | 0.20-0.35 [24-22] 0.50-0.56 [20] | 1.22-2.03 [.048-.080] | YES | NO | 3.56 ± 0.38 [.140 ± .015] | 0.84 ± 0.05 [.033 ± .002] 0.99 ± 0.05 [.039 ± .002] | 531477-3 583853-9 531477-5 1-583853-1 583853-4 583853-5 | 531477-1 583853-3 531477-2 583853-7 531477-4 583853-8 583853-1 1-583853-0 583853-2 1-583853-3 | TWIN LEAF CONTACTS | 114-9004 |
| 91537-1 91537-3 | 0.12-0.22 [26-24] 0.30-0.35 [22] | 1.02-1.42 [.040-.056] 1.02-1.75 [.040-.069] 1.02-1.42 [.040-.056] 1.02-1.75 [.040-.069] | NO | NO | 3.18 ± 0.38 [.125 ± .015] | 0.622 ± .038 [.0245 ± .0015] 0.71 ± 0.05 [.028 ± .002] | 86561-[] 88067-[] 86571-[] 181270-[] 86658-2 86657-2 86561-[] 88067-[] 86571-[] 181270-[] 86658-2 86657-2 | 86557-[] 88067-2 86566-[] 86557-[] 88067-2 86566-[] 86656-2 86655-2 | FLEXIBLE FLAT CABLE CONNECTORS | 114-16003 114-16007 114-16015 114-20004 |
| 91538-1 91538-3 | 0.05-0.56 [30-20] | 0.76-2.16 [.030-.085] | NO | NO | 5.16 ± 0.38 [.203 ± .015] | 1.09 ± 0.05 [.043 ± .002] | SEE INSTRUCTION SHEET 408-10274 | | TYPE II SCREW MACHINE CONTACT | 114-10026 |

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.

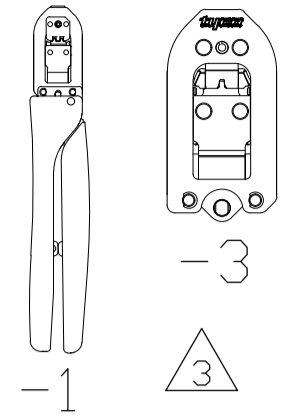
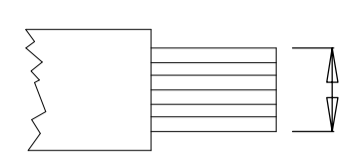
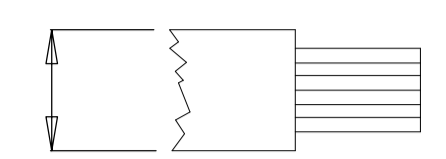
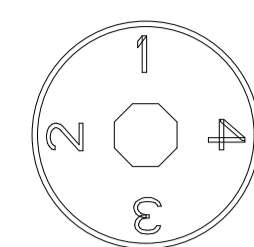
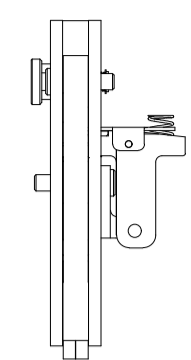
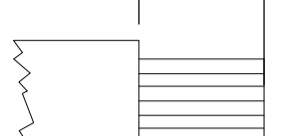
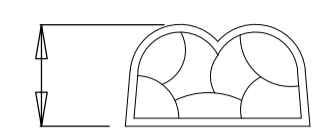

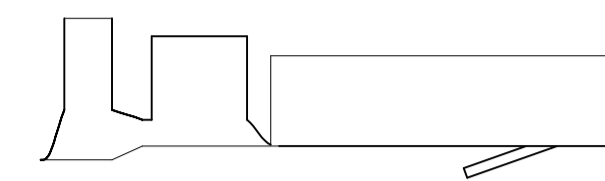
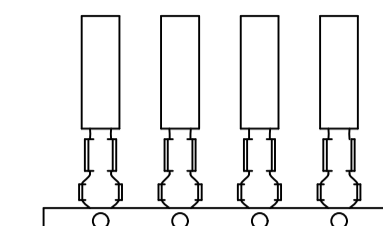
4. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414. THE 91538-1 AND -3 TOOL USE IS 408-10274.


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 | | | |
| CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS | | | |
| SCALE - | SIZE A1 | DRAWING NO 1583011 | SHEET 1 of 9 REV F21 |

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TFCO AND AFFILIATES. IT IS NOT TO BE DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT AUTHORIZATION FROM TFCO.

| TOOL NUMBER  | WIRE SIZE mm ² [AWG]  | INSULATION DIAMETER mm [in.]  | INSUL. ADJ.  | FLIP LOCATOR  | STRIP LENGTH mm [in.]  | CRIMP HEIGHT mm [in.]  | CONTACT PART NUMBERS  | | | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|--|---|--|--|--|---|---|--|---|---|----------------------|---|-----------------|
| | | | | | | | LOOSE PIECE  | | STRIP FORM  | | | |
| 91539-1 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 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-[] 200336-[] 204274-[] 204219-[] 207893-[] | SOCKET 201589-[] 200333-[] 207896-[] 130743-1 | COLOR: BLUE BARREL BLUE SHOULDER | | | |
| | 2.00-2.27 [14] | - | | | | | PIN 201645-[] 201570-[] | SOCKET 201568-[] | COLOR: VIOLET BARREL BLUE SHOULDER | | | |
| 91540-1 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 531224-7 | 530553-2 530553-4 | 531216-1 531216-3 | | |
| 91544-1 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 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 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 41662 | 41663 | 41278 41640 | 41646 66113-3 | TAPER PIN CONTACT | 114-7006 |
| 91555-1 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-[] 531586-6 | | 66005-[] 531586-3 | | AMP-BLADE RECEPTACLE CONTACT | 108-9202 |
| | 2x0.2 DR 2x0.3 [2x24 DR 2x22] | 2.79 [110] MAX TOTAL | | | | | | | | | | |

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-3 IS A CERTI-CRIMP II HEAD SUB-ASSEMBLY.

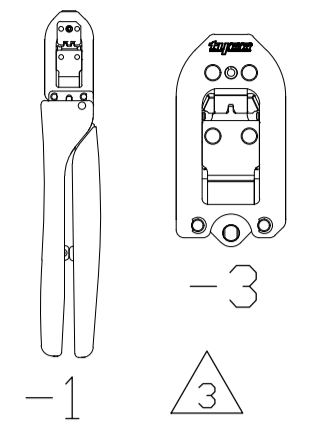
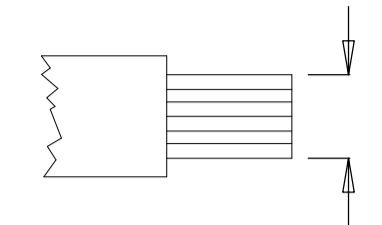
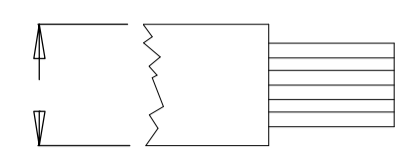
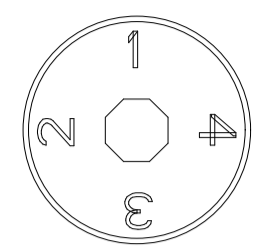
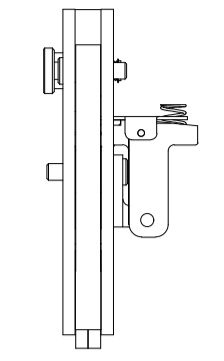
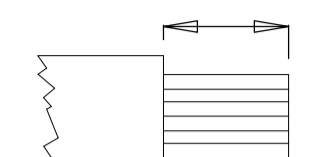
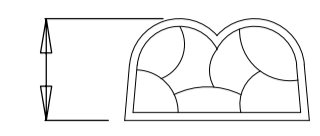

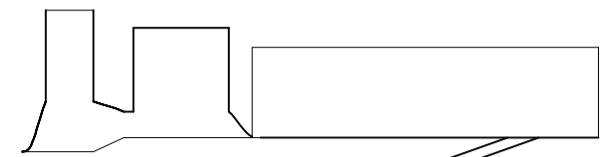
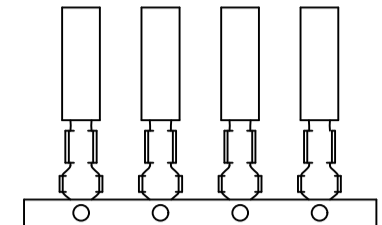
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CERTI-CRIMP II DATA SHEET


| | | | |
|---|----------|----------------------------|----------------------|
| DWG: M. YOUNGER 21FEB2012 | | MATERIAL: - | HEAT TREAT: - |
| CHK: B.A. WOLFE 22FEB2012 | | APVD: B.A. WOLFE 22FEB2012 | |
| NAME: B.A. WOLFE | | TE Connectivity | |
| CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS | | | |
| SCALE: - | SIZE: A1 | DRAWING NO: 1583011 | SHEET 2 of 9 REV F21 |

| | | | |
|----------------|-----|--|-----|
| 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:  | |

| | | | |
|-----------------|------|-----|------|
| REVISION RECORD | DATE | DWG | APVD |
| - SEE SHEET 1 | - | - | - |

| TOOL NUMBER  | WIRE SIZE mm ² [AWG]  | INSULATION DIAMETER mm [in.]  | INSUL. ADJ.  | FLIP LOCATOR  | STRIP LENGTH mm [in.]  | CRIMP HEIGHT mm [in.]  | CONTACT PART NUMBERS  | | | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|--|---|--|--|--|---|---|---|---------|---|-----------|-------------------------|-----------------|
| | | | | | | | LOOSE PIECE  | | STRIP FORM  | | | |
| 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) | | | | | | |



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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 | | NAME: B.A. WOLFE | | | |
| DIMENSIONS: mm TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES: - SURFACE TEXTURE:  | | | | | |
| SCALE: - | | SIZE: A1 | | DRAWING NO: 1583011 | |
| P LTR | | REVISION RECORD | | DATE | |
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| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER mm [in.] | INSUL. ADJ. | FLIP LOCATOR | STRIP LENGTH mm [in.] | CRIMP HEIGHT mm [in.] | CONTACT PART NUMBERS | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|-----------------|------------------------------------|---------------------------------|-------------|--------------|---------------------------|-------------------------------|--|----------------------------------|--|-----------------|
| | | | | | | | LOOSE PIECE | STRIP FORM | | |
| 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 170113 | 170099-2 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 170293 171654 | 170279-1 170280-1 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 66168 | 66144 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 164715-1 | - - | 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 61276 | 60598 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 179420-1 1376702-1 | - | .040 III UNSEALED RECEPTACLE CONTACT | 114-5217 |
| 2063834-3 | 0.8-0.9 [18] | | | | | 0.89-1.08 [.035-.043] | | | | |
| | 1.25-1.42 [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 1376701 | 316836 316837 | .040 III UNSEALED RECEPTACLE CONTACT | 114-5217 |
| 2063850-3 | | | | | | | | | | |
| 2063811-1 | - | 0.9-3.5 [.036-.138] | NO | NO | - | - | 328854 328858 328855 328859 328856 328860 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] | | | | |

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.

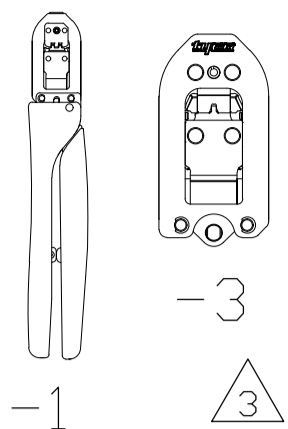
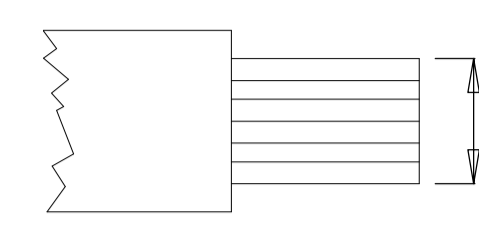
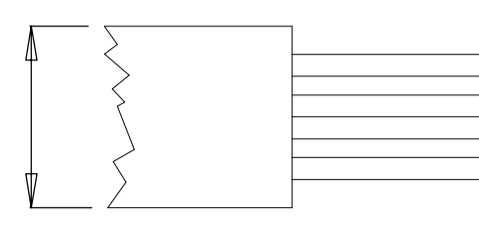
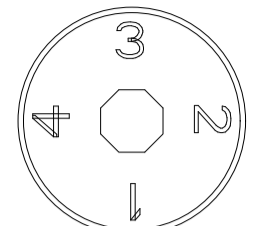
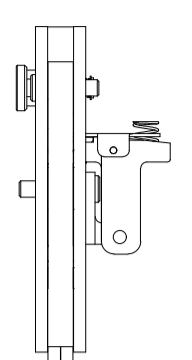
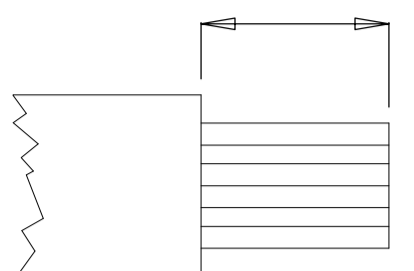
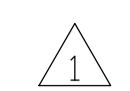
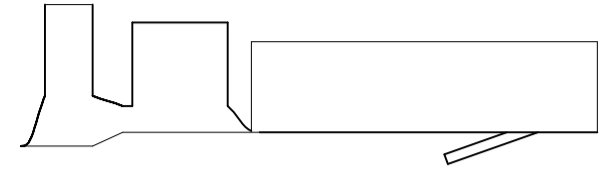
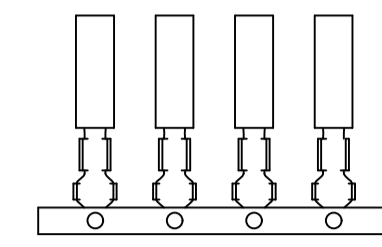
THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414. THE 91538-1 AND -3 TOOL USE IS 408-10274.


CERTI-CRIMP II DATA SHEET


| | | | |
|---|----------|---------------------|----------------------|
| DWG: M. YOUNGER 21FEB2012 | | MATERIAL: - | HEAT TREAT: - |
| CHK: B.A.WOLFE 22FEB2012 | | | |
| APVD: B.A. WOLFE 22FEB2012 | | | |
| NAME: B.A. WOLFE | | | |
| CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS | | | |
| SCALE: - | SIZE: A1 | DRAWING NO: 1583011 | SHEET 5 of 9 REV F21 |

| | | | |
|----------------|-----|--|-----|
| 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: | |

| | | | |
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| REVISION RECORD | DATE | OWN | APVD |
| - SEE SHEET 1 | - | - | - |

| TOOL NUMBER  | WIRE SIZE mm ² [AWG]  | INSULATION DIAMETER mm [in.]  | INSUL. ADJ.  | FLIP LOCATOR  | STRIP LENGTH mm [in.]  | CRIMP HEIGHT mm [in.] | CONTACT PART NUMBERS  | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|--|---|--|--|---|---|---|--|---|------------------------------|-----------------|
| | | | | | | | LOOSE PIECE  | STRIP FORM  | | |
| 2119536-1 2119536-3 | 0.03 [32] 0.50-0.06 [30] 0.08-0.09 [28] | 0.4-0.7 [.016-.028] 0.5-0.8 [.020-.031] | YES | YES | 1.0-1.2 [.04-.05] | 0.405 ± 0.025 [.0159 ± .0010] 0.419 ± 0.025 [.0165 ± .0010] 0.460 ± 0.025 [.0181 ± .0010] | - | 1734597-1 | 1.0 WIRE TO BOARD CONNECTOR | 114-57020 |
| 2119537-1 2119537-3 | 0.03 [32] 0.05-0.06 [30] 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] 0.505 ± 0.025 [.0200 ± .0010] 0.535 ± 0.025 [.0210 ± .0010] | - | 1734193-1 | 1.25 WIRE TO BOARD CONNECTOR | 114-57016 |
| 2119538-1 2119538-3 | 0.05-0.06 [30] 0.08-0.12 [28-26] 0.20 [24] | .089-1.50 [.035-.059] | NO | YES | 1.9-2.5 [.08-.10] | 0.550 ± 0.025 [.022 ± .0010] 0.550 ± 0.025 [.022 ± .0010] 0.580 ± 0.025 [.023 ± .0010] | - | 1775442-1 | 2.0 WIRE TO BOARD CONNECTOR | 114-57011 |
| 2119539-1 2119539-3 | 0.05 [30] 0.08-0.14 [28-26] 0.22 [24] | .089-1.50 [.035-.059] | YES | YES | 1.9-2.5 [.08-.10] | 0.545 ± 0.025 [.0215 ± .0010] 0.584 ± 0.025 [.023 ± .0010] 0.645 ± 0.025 [.0255 ± .0010] | - | 440132-1 1735801-1 | 2.0 WIRE TO BOARD CONNECTOR | 114-57011 |
| 1752794-1 | 0.20-0.35 [24-22] 0.50-0.56 [20] | - | NO | NO | 3.1-3.6 [.12-.14] | 0.94 ± 0.05 [.037 ± .002] 1.07 ± 0.05 [.042 ± .002] | - | 42869-6 | .040 PIN RECEPT | 114-2083 |
| 1976156-1 | .013 [26] 0.20-0.22 [24] | 0.80-0.95 [.031-.037] .090-1.20 [.035-.047] | NO | YES | 3.25-3.55 [.13-.14] | 0.61 ± 0.025 [.024 ± .001] 0.66 ± 0.025 [.026 ± .001] | 1-211449-1 1-211449-2 1-211449-6 | 1-1703930-1 1-1703930-2 1-1703930-6 | NAND MQS | 114-18858 |
| 1976157-1 | 0.35 [22] 0.35 [22] | 1.0-1.2 [.039-.047] 1.2-1.3 [.047-.051] | NO | YES | 3.25-3.55 [.13-.14] | 0.82 ± 0.025 [.032 ± .001] 0.82 ± 0.025 [.032 ± .001] | 1-2112449-1 1-2112449-2 1-2112449-6 | 1-1703930-1 1-1703930-2 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.

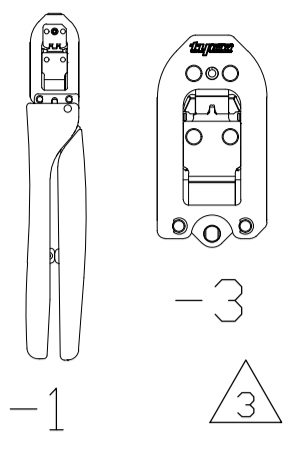
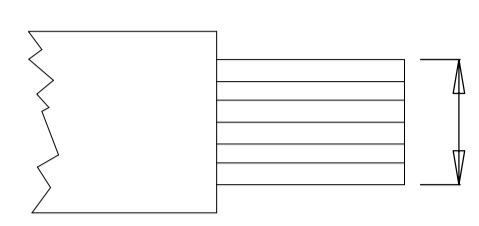
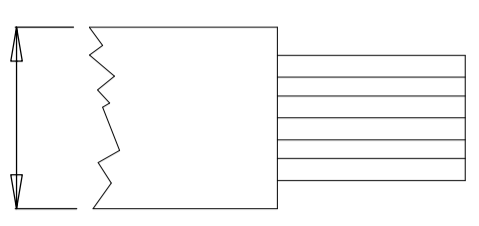
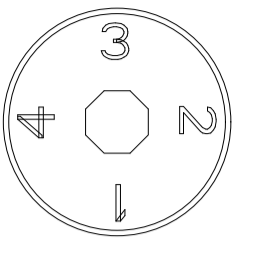
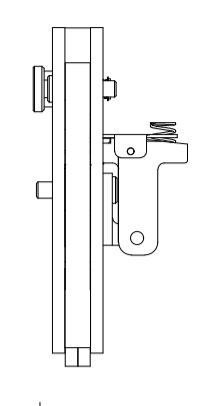
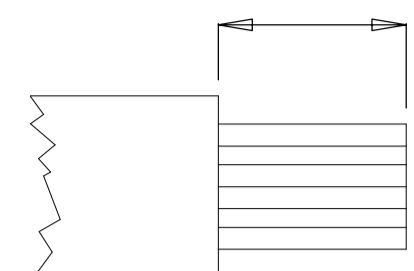

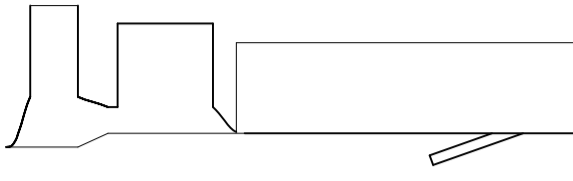
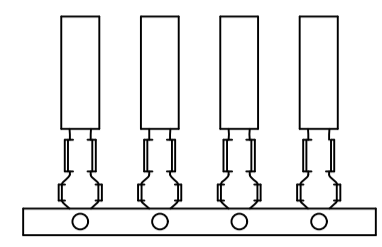
4. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414. THE 91538-1 AND -3 TOOL USE IS 408-10274.


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: - | | | | | | | | | | | | | | | |
| <table border="1" style="font-size: small;"> <tr><td>0 PLC</td><td>± .</td></tr> <tr><td>1 PLC</td><td>± .</td></tr> <tr><td>2 PLC</td><td>± .</td></tr> <tr><td>3 PLC</td><td>± .</td></tr> <tr><td>4 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 | ✓ | SHEET: 6 of 9 REV: F21 | |
| 0 PLC | ± . | | | | | | | | | | | | | | | | | | |
| 1 PLC | ± . | | | | | | | | | | | | | | | | | | |
| 2 PLC | ± . | | | | | | | | | | | | | | | | | | |
| 3 PLC | ± . | | | | | | | | | | | | | | | | | | |
| 4 PLC | ± . | | | | | | | | | | | | | | | | | | |
| ANGLES | - | | | | | | | | | | | | | | | | | | |
| SURFACE TEXTURE | ✓ | | | | | | | | | | | | | | | | | | |
| P LTR | | REVISION RECORD | | DATE | | | | | | | | | | | | | | | |

THIS DRAWING IS A CONTROLLED DOCUMENT. DRAW NO 1583011

| TOOL NUMBER  | WIRE SIZE mm ² [AWG]  | INSULATION DIAMETER mm [in.]  | INSUL. ADJ.  | FLIP LOCATOR  | STRIP LENGTH mm [in.]  | CRIMP HEIGHT mm [in.] | CONTACT PART NUMBERS  | | CONTACT DESCRIP. | APPLIC. SPECIF. | |
|--|---|--|--|---|---|--------------------------------|--|---|--|------------------|----------------------------|
| | | | | | | | LOOSE PIECE  | STRIP FORM  | | | |
| 2217655-1 | 0.32-0.38 [22] | 1.7-2.9 [.67-.114] | YES | NO | 2.69-3.30 [.106-.130] | 1.00 ± 0.05 [.039 ±.002] | 1744395-1 | 1744144-1 | ECONOMY POWER II | 114-13265 | |
| | 0.50-0.60 [20] | | | | | 1.10 ± 0.05 [.043 ±.002] | | | | | |
| | 0.81-0.89 [18] | | | | | 1.15 ± 0.05 [.043 ±.002] | | | | | |
| 2217660-1 | 0.50-0.60 [20] | 1.7-2.9 [.67-.114] | YES | NO | 2.46-2.84 [.097-.112] | 1.12 ± 0.05 [.044 ±.002] | 1744396-1 | 1744201-1 | ECONOMY POWER II | 114-13265 | |
| | 0.81-0.89 [18] | | | | | 1.27 ± 0.05 [.050 ±.002] | | | | | |
| | 1.25-1.42 [16] | | | | | 1.47 ± 0.05 [.058 ±.002] | | | | | |
| 2217742-1 | 0.50-0.90 [20-18] | 1.85-2.29 [.073-.090] | YES | NO | 3.18-3.56 [.125-.156] | 1.092 ± 0.051 [.043 ±.002] | 583875-3 583875-6 5-583875-6 | 583875-2 583875-5 5-583875-5 | TWIN LEAF CONTACT | 114-9004 | |
| | 1.25-1.42 [16] | | | | | 1.346 ± 0.051 [.053 ±.002] | | | | | |
| 2217754-1 | 0.30-1.00 [2X22-1X18] | 2X22=3.05 MAX [.120 MAX] | NO | NO | 3.18-3.56 [.125-.156] | 1.1304 ± 0.038 [.0445 ±.0015] | 42840-[] 583272-[] 583989-[] | 42717-[] []-583361-[] 60030-[] 58355-[] 583271-[] []-583989-[] | AMP LEAF CONTACT | 114-9003 | |
| | 0.30-0.60 [22-20] | 1X18=1.65-2.03 [.065-.080] | | | | 0.9779 ± 0.0381 [.0385 ±.0015] | | | | | |
| 2217766-1 | 0.32-0.60 [22-20] | 1.27-2.54 [.50-.100] | YES | NO | 3.96 [.156] | 1.02 ± 0.05 [.040 ±.002] | 87278-[] | 87269-[] | LOCKING CLIP CONTACT .031 X .062 | 114-25008 | |
| | 0.80-0.90 [18] | | | | | 1.22 ± 0.05 [.048 ±.002] | | | | | |
| 2280413-1 | 0.85-0.87 [18] | - | NO | YES | 1.60 [.063] | 1.15 ± 0.05 [.0153 ±.002] | - | RECPT-2271279-[] PIN-2271283-[] GROUND-2271285-[] | MICRO MOTOR CONN. | 114-5377 | |
| | 0.51-0.53 [20] | | | 1 | | RECPT. | | | | | 1.00 ± 0.05 [.0394 ± .002] |
| | 0.34-0.37 [22] | | | 2 | | PIN | | | | | 0.85 ± 0.05 [.0335 ± .002] |
| 2217746-1 | 0.50-1.40 [2X20-2X18-16] | 4.06 MAX [.160 MAX] | NO | NO | 3.56 ± 0.38 [.140 ±.015] | 1.384 ± 0.051 [.0545 ±.0020] | 42840-3 66028-3 []-583989-[] 583991-3 | 42717-3 []-583361-[] 60151-[] 42840-1 1-42840-3 1-42840-4 | 60082-1 1-60082-3 66028-1 1-66028-3 | AMP LEAF CONTACT | 114-9003 |
| | 0.50-0.60 [20] | 1.40-2.03 [.055-.080] | | | | 1.054 ± 0.038 [.0415 ±.0015] | | | | | |
| 2217743-1 | 0.40-1.00 [21-8/2X22] | 3.05 MAX [.120 MAX] | NO | NO | 3.56 ± 0.38 [.140 ±.015] | 1.029 ± 0.038 [.0405 ±.0015] | 42840-3 583268-[] | 42717-1 42702-1 583267-[] 583271-[] | 583272-[] 583990-[] 583991-[] 583989-[] | AMP LEAF CONTACT | 114-9003 |
| | 0.10-0.40 [26-22] | 1.27-1.53 [.050-.060] | | | | 0.775 ± .0038 [.0305 ±.0015] | | | | | |


 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.

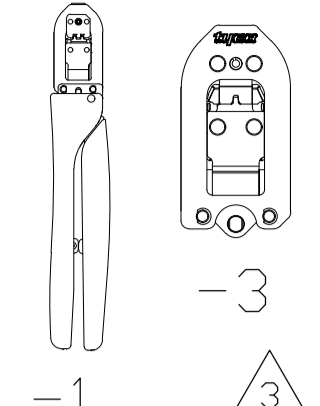
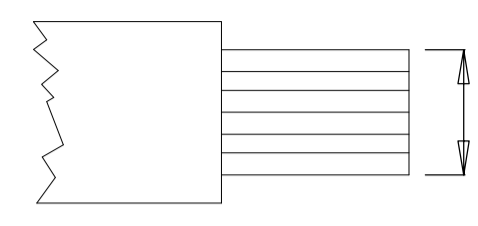
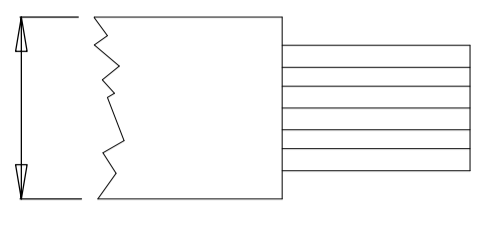
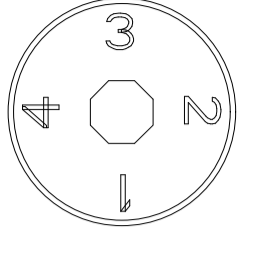
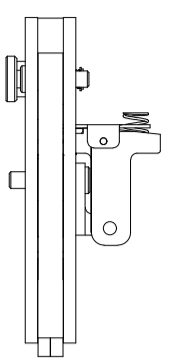
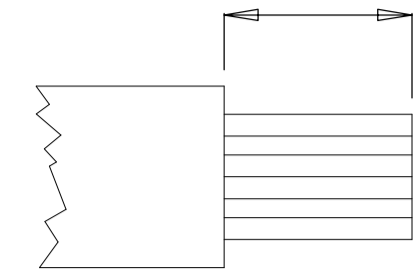

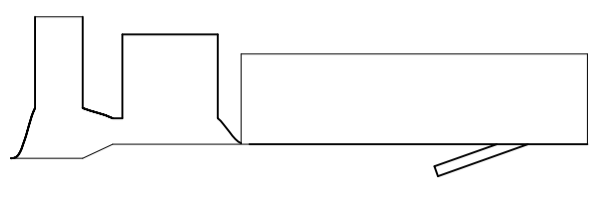
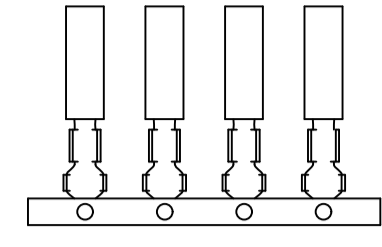
2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS.

CERTI-CRIMP II DATA SHEET

| | | | | | |
|---------------------------|--|----------------------------|--|---|--|
| DWG: 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 | | | |
| SCALE: - | | SIZE: A1 | | SHEET: 7 of 9 | |
| REV: F21 | | DATE: - | | DATE: - | |

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THIS DRAWING IS A CONTROLLED DOCUMENT. PART NO. 1583011

| TOOL NUMBER  | WIRE SIZE mm ² [AWG]  | INSULATION DIAMETER mm [in.]  | INSUL. ADJ.  | FLIP LOCATOR  | STRIP LENGTH mm [in.]  | CRIMP HEIGHT mm [in.] | CONTACT PART NUMBERS  | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|--|---|--|--|---|---|----------------------------------|---|---|---|-----------------|
| | | | | | | | LOOSE PIECE  | STRIP FORM  | | |
| 2217763-1 | 0.30-0.60 (22-20) | 1.02-2.04 (.040-.080) | NO | NO | 3.3 ± 0.4 (.130 ± .015) | 1.067 ± 0.038 (.042 ± .0015) | 66010-2 | 66005 | AMP BLADE RECEPT. | 108-9201 |
| | 0.12-0.20 (26-24) | 1.02-1.53 (.040-.060) | | | | 0.813 ± 0.038 (.032 ± .0015) | 66011-2 | 66009 | | |
| 2217748-1 | 0.80-0.50 [18-20] | 1.7-2.7 [.067-.106] | YES | NO | 5.10 ± 0.40 [.200 ± .016] | 1.22 ± 0.05 [.048 ± .002] | 770854-1 | 770520-1 | AMPSEAL | 114-16016 |
| | 1.40 [16] | | | | | 1.40 ± 0.05 [.055 ± .002] | | | | |
| 2217753-1 | 1.4-2.1 [16-14] | 2.26-3.18 [.089-.125] | NO | NO | 5.08 ± 0.40 [.200 ± .016] | 1.55 ± 0.05 [.061 ± .002] | - | 776491-[] | HDSF SIZE 16 PIN & SOCKET | 114-13045 |
| | 0.90 [18] | | | | | 1.37 ± 0.05 [.054 ± .002] | | 638112-[] | | |
| 2844375-1 | 0.13 [26] | 0.85-1.05 [.033-.041] | NO | YES | 3.25-3.55 [.128-.140] | 0.59 ± 0.02 [.0230 ± .0008] | - | 2098583-4 | 0.50MM RECEPTICLE CONTACT | 114-13287 |
| | 0.35 [22] | 1.10-1.20 [.043-.047] | | | | 0.67 ± 0.03 [.0264 ± .0012] | - | 2098583-1 | | |
| | 0.35 [22] | 1.10-1.40 [.043-.055] | | | | 0.68 ± 0.02 [.0268 ± .0008] | - | 2098583-2 | | |
| 2217755-1 | 0.15-0.24 [26-24] | 1.52 MAX [.060 MAX] | YES | NO | 3.05 [0.120] | 0.64 ± 0.05 [.025 ± .002] | 794019-1 794018-1 | - | .062 PIN & SOCKET | 114-1013 |
| | 0.06-0.90 [30-28] | | | | | 0.58 ± 0.05 [.023 ± .002] | 794058- 794059- 794224- 794225- - | | MINI UNIVERSAL MATE-N-LOK | 114-16017 |
| | | | | | | | | | MINI UNIVERSAL MATE-N-LOK 2 | 114-1111 |
| 2217752-1 | 0.24-0.30 [24-22] | 1.27-2.29 [.050-.090] | YES | NO | 4.8-5.6 [.189-.220] | 0.765 ± 0.036 [.030 ± .0014] | 61120-1 61122-1 | 61061 61063 | AMP COMBO LINE CONNECTORS | 408-7305 |
| | 0.60-0.90 [20-18] | 1.52-2.79 [.060-.110] | | | | 0.955 ± 0.028 [.0376 ± .0011] | 61121-1 61123-1 | 61062 61064 | | |
| 2280517-1 | 1.00 mm ² | 2.10 MAX [.082] | NO | NO | 4.0-4.4 [.157-.173] | 1.12 ± 0.05 [.044 ± .002] | - | 1924782-[] | GET NEW GENERATION FEMALE 0.64mm SOCKET CONTACTS | 114-13236 |
| | 16 AWG | 2.40 MAX [.094] | | | 3.7-4.1 [.146-.161] | 1.31 ± 0.05 [.052 ± .002] | - | 1924880-[] | | |
| | 1.50 mm ² | | | | | 1.40 ± 0.05 [.055 ± .002] | | | | |
| 2305567-1 | 0.30-0.40 [22] | 1.60-2.00 [.063-.078] | NO | YES | 2.30-2.60 [.90-.102] | 0.76 ± 0.05 [.0299 ± .002] | 2834067-[] 2834068-[] | 1-2834067-[] 2-2834067-[] | MINIATURE WATERPROOF CONNECTOR | 114-137093 |
| | 0.80-.90 [18] | | | | | 1.05 ± 0.05 [.0413 ± .002] | | 1-2834068-[] 2-2834068-[] | | |
| | 0.50-0.60 [20] | | | | | 0.87 ± 0.05 [.0342 ± .002] | | | | |
| 2305781-1 | 0.15-0.30 [26-22] | 0.89-1.65 [.035-.3045] | YES | NO | 3.56-3.94 [.140-.155] | 0.66 ± 0.05 [.026 ± .002] | 350189-[] 60983-[] | 61513-[] 60804-[] | PRINTED CIRCUIT BOARD DISCONNECTED RECEPTACLE CONTACTS | 114-1008 |
| 2063720-1 | 0.08-0.14 [28-26] | 1.00-1.90 [.039-.075] | YES | YES | 1.9-2.5 [0.075-0.098] | 0.625 ± 0.025 [.0246 ± .0010] | - | 440134-1 | AMP 2.5mm PITCH HPI HIGH PERFORMANCE INTERCONNECT (LOW CDST) WIRE-TO-BOARD SYSTEM | 114-57004 |
| | 0.20 [24] | | | | | 0.70 ± 0.05 [.028 ± .002] | | | | |
| | 0.30-0.40 [22] | | | | | 0.75 ± 0.05 [.029 ± .002] | | | | |


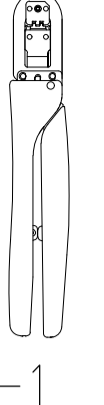
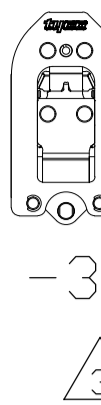

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| | | | |
|-------------------|-----|---|-----|
| DIMENSIONS: mm | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | |
| 0 PLC | ± . | 0 | ± . |
| 1 PLC | ± . | 1 | ± . |
| 2 PLC | ± . | 2 | ± . |
| 3 PLC | ± . | 3 | ± . |
| 4 PLC | ± . | 4 | ± . |

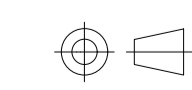
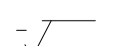
| | | | | | | | |
|-------|--|------------|----------|-------|------------|-----|-----|
| DWG | M. YOUNGER | 21FEB2012 | MATERIAL | - | HEAT TREAT | - | |
| CHK | B.A. WOLFE | 22FEB2012 | | | | | |
| APVD | B.A. WOLFE | 22FEB2012 | | | | | |
| NAME | CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS | | | | | | |
| SCALE | A1 | DRAWING NO | 1583011 | SHEET | 8 | REV | F21 |

| | | | | | | | |
|-----------------|------|-----|------|-----------------|------|-----|------|
| REVISION RECORD | DATE | OWN | APVD | REVISION RECORD | DATE | OWN | APVD |
| - SEE SHEET 1 | - | - | - | - | - | - | - |

THIS DRAWING IS A CONTROLLED DOCUMENT. DWG NO. 1583011

| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER mm [in.] | INSUL. ADJ. | FLIP LOCATOR | STRIP LENGTH mm [in.] | CRIMP HEIGHT mm [in.] | CONTACT PART NUMBERS  | | CONTACT DESCRIP. | APPLIC. SPECIF. |
|---|------------------------------------|------------------------------------|----------------|-----------------|----------------------------|-------------------------------|---|------------------------|---|--------------------|
| | | | | | | | LOOSE PIECE | STRIP FORM | | |
|  -1  -3  | 1.5 DS-QFB | - | NO | YES | 3.65±0.25 (.144 ± .010) | 0.73 ± 0.038 (.029 ± .001) | - | 2203260-4 2203270-4 | CENTER CONTACT 180 DEGREE FAKRA AUTOMATED | 114-32145 |
| | RTK-031 | | | | | 0.84 ± 0.038 (.033 ± .001) | | 2203260-8 2203270-8 | | |
| 2350391-1 | 0.08-0.14 [26] | 1.30-1.60 [.051-.063] | NO | YES | 3.0±0.3 [.118±0.012] | 0.69 ± 0.05 [.027±.0010] | 1-2321921-1 1-2321928-1 | 2321921-1 2321928-1 | SDL 2.5 WATERPROOF | 114-143067 |
| | 0.20 [24] | | | | | 0.75 ± 0.05 [.030±.002] | | | | |
| | 0.30-0.40 [22] | | | | | 0.82 ± 0.05 [.032±.002] | | | | |

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| | | | | | | | | | | | | |
|---------------|--|-----------------|------------|-----|-------|--|-----|---|--|--|--|-----------------|
| P LTR | | REVISION RECORD | DATE | DWN | APVD | DIMENSIONS: mm  | | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - | | DWN M. YOUNGER 21FEB2012 CHK B.A.WOLFE 22FEB2012 APVD B.A. WOLFE 22FEB2012 | MATERIAL -  | HEAT TREAT - |
| - SEE SHEET 1 | | | | | | ANGLES# | - | | NAME CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS | | | |
| SCALE | | SIZE | DRAWING NO | | SHEET | OF | REV | - A1 1583011 9 of 9 F21 | | | | |

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