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| RIES AND | DTHER | www.TE.com |
| SUBSIDIA | ANYONE, | FROM TE (|
| ITS WORLDWIDE SUBSIDIARIES AND | DISCLOSED TO | UTHORIZATION F |

| NUMBER (CAS) (| mm ² [AWG] | DIAMETER | ADJ | LOCATOR | LENGTH | CRIMP HEIGHT | | IALI PAR | RT NUMBERS 🛕 | | |
|--|---|--|-----|------------|-------------------------------|--|--|-------------------------|--|-----------------------------------|------------------------|
| | | mm [in.] | | | mm [in.] | mm [in.] | LOOSE PIE | ECE | STRIP FORM | | |
| -3 -1 | | | | | | | | | | CONTACT DESCRIP. | APPLIC. SPECIF. |
| 91507-1 91507-3 | 0.20-0.50 [24-20] | 1.14-1.78 [.045070] | NO | N | 3,56 ± 0,39 [,140 ± ,0155] | 0.84 ± 0.05 [.033 ± .002] | 60789-E 61276-E | | 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 [.050115] | YES | $N\square$ | 3,96 ± 0,38 [,156 ± ,015] | 0.71 ± 0.057 $[.028 \pm .002]$ 0.97 ± 0.057 $[.038 \pm .002]$ | 350666-[640545-[640580-[641300-[| | 350665-[] 350967-[] 350969-[] 641294-[] | MINIATURE RECTANGULAR CONTACTS | 114-1014 |
| 91531-1 91531-3 | 0,12-0,35 PIN [26-22] PIN 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] | 531216-4 530553-3 1044 530553-5 530553-7 1-10 | , | 104505-2 104505-4 104505-6 531216-1 531216-3 530553-3 104480-2 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 [.025050] | YES | ND | 3,96 ± 0,38 [,156 ± ,015] | 0.71 ± 0.05 [.028 ± .002] | 640579-E 794001-E | | 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 [.048080] | YES | N | 3,56 ± 0,38 [,140 ± ,015] | 0.84 ± 0.05 | 531477-3 583 | 3853-9 583853-1 ! | 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 | 0,12-0,22 [26-24] | 1.02-1.42 [.040056] 1.02-1.75 [.040069] | | N | 3.18 ± 0.38 | 0,622 ± ,038 [,0245 ± ,0015 | 86571-[] 1812 86658-2 86657-2 | | 86557-[] 88067-2 86566-[] 86656-2 86655-2 | FLEXIBLE FLAT CABLE | 114-16003 114-16007 |
| 91537-3 | 0.30-0.35 | 1.02-1.42 [.040056] 1.02-1.75 [.040069] | | | [.125 ± .015] | 0.71 ± 0.05 [.028 ± .002] | | 270-[] | 86557-[] 88067-2 86566-[] 86656-2 86655-2 | CONNECTORS | 114-16015 114-20004 |
| 91538-1 91538-3 | 0.05-0.56 [30-20] | 0,76-2,16 [,030-,085] | | | 5,16 ± 0,38 [,203 ± ,015] | 1,09 ± 0,05 [,043 ± ,002] | | | TION SHEET | TYPE II SCREW MACHINE CONTACT | 114-10026 |

2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS. -3 IS A CERTI-CRIMP II HAND TOOL 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.

| | | | | | | | | DWN | | 21FEB2012 | MATERIAL | HE | EAT TREA | ΛT | |
|---|-----|-----------------|---------|----------|-----------------|-------|----------------------------------|----------|------|------------|-------------------------------------|------------|----------|------|---------|
| | | | | | | | | M. YOUN | GER | | _ | | | _ | |
| | | | | | DIMENSIONS: | TOLER | RANCES UNLESS | СНК | | 22FEB2012 | _ | | | | |
| | | | _ | | | OTHER | RANCES UNLESS WISE SPECIFIED: | B.A.WOLF | E | | | | | | |
| | | | | | mm | 0 PLC | ± _ | APVD | | 22FEB2012 | | = ¬ | TE Co | nnec | ctivity |
| | | | | | | 1 PLC | | B.A. WOL | FE. | | | - | | | |
| | | | | | | 2 PLC | ± - + - | NAME | | OFDTI ODIN | | | | | |
| | E18 | ADDED 2305781-1 | 08/2017 | CAM CAM | | 4 PLC | ± - | | | MISCELL | P II TOOL DATA S ANEOUS CONTACT: | HEET S | | | |
| | | | | | ╡ | | | SCALE | SIZE | DRAWING NO | | SHEET | | | REV |
| Р | LTR | REVISION RECORD | DATE | DWN APVD | SURFACE TEXTURE | - | | _ | A1 | 158. | 3011 | 1 | OF | 8 | F18 |
| | | | | | | • | | | | | | | | | |
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| TOOL | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER | INSUL, ADJ, | FLIP LOCATOR | STRIP R LENGTH | CRIMP HEIGHT | | CONTACT PA | ART NUMBER | S <u>1</u> | | |
|--|---|--|----------------|-----------------|------------------------------|--|--|---|--|----------------------------------|---------------------------------------|--------------------|
| | mm LAWG | mm [in.] | | | mm [in.] | mm [in.] | LOOSE | PIECE | STRIP | FORM | | |
| $ \begin{array}{c c} & & & & \\ $ | | | | | | | | | | | CONTACT DESCRIP. | APPLIC. SPECIF. |
| | 0,30-0,89 [22-18] | _ | | | | | PIN | SOCKET 201751-[] | | EEN BARREL Houlder | | |
| | 2×0.75 [2x18] | I | | | | | PIN 202725-[] | SOCKET 202726-[] | COLOR: BLUE | SHOULDER | | |
| 91539-1 91539-3 | 0.75-1.42 [18-16] | _ | | | 6,35 ± 0,38 [,250 ± ,015] | | PIN 200681-[] 200336-[] 204274-[] 204219-[] 207893-[] | SDCKET 201589-[] 200333-[] 207896-[] 130743-1 | COLOR: BLU BLUE SI | JE BARREL HOULDER | TYPE II SCREW MACHINE CONTACT | 114-10026 |
| | 2.00-2.27 [14] | - | | | | | PIN 201645-[] 201570-[] | SOCKET 201568-[] | | LET BARREL Houlder | | |
| 91540-1 | 0.12-0.35 [26-22] | 0,91-1,42 [,036-,056] | YES | N | 3,56 ± 0,38 | 0.76 ± 0.05 [.030 ± .002] | 530553-5 530553-7 | 531216-2 531216-4 531224-7 | 530553-1 530553-2 530553-4 | 530553-6 531216-1 531216-3 | TANDEM SPRING & MINI-TANDEM SPRING | 114-25021 |
| 91540-3 | 0,03-0,09 [32-28] | 0,64-1,37 [,025-,054] | | | [.140 ± .015] | 0,56 ± 0,05 [,022 ± ,002] | 531225-3 530901-3 | 530901-5 530901-7 | 531225-6 530901-1 530901-2 | 530901-4 530901-6 | CONTACTS | |
| 91544-1 91544-3 | 0,20-0,35 [24-22] 0,50-0,56 [20] | 1,58 MAX [,062] MAX | YES | N | 3.96 ± 0.38 [.156 ± .015] | 0.724 ± 0.051 [.0285 ± .002] 0.876 ± 0.051 [.0345 ± .002] | 164169-[] 164170-[] 166296-[] 166297-[] | 203802-[] 203816-[] | 164153-[] 164155-[] 166046-[] 166047-[] | 203801-[] 203815-[] | TYPE XI CONTACT | 114-10002 |
| 91546-1 91546-3 | 0,50-0,89 [20-18] | 2.03-2.54 [.080100] | N | NO | 4.76 ± 0.38 [.188 ± .015] | 1,42 ± 0,05 [,056 ± ,002] | 41 | 667 | 416 | 650 | TAPER PIN CONTACT | 114-7006 |
| 91547-1 91547-3 | 0,20-0,35 [24-22] | 1.02-1.52 [.040060] | N | NO | 3.18 ± 0.38 [.125 ± .015] | 0,89 ± 0,05 [,035 ± ,002] | 41661 41662 | 41663 | 41278 41640 | 41646 66113-3 | TAPER PIN CONTACT | 114-7006 |
| 91555-1 91555-3 | 0,20-0,56 [24-20] 2×0,2 | 1,02-1,78 [,040-,070] 2,79 [,110] MAX TOTAL | - N 🗆 | N | 2,92-3,68 [,115-,145] | 0.991 ± 0.038 [.039 ± .0015] 1.067 ± 0.038 [.042 ± .0015] | - | 10-[] 586-6 | | 5-[] 86-3 | AMP-BLADE RECEPTACLE CONTACT | 108-9202 |

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.

| | | | | | | DWN | 21FEB2012 | MATERIAL | HEAT TREAT | |
|---|--------|----------------------|-----------|-----------------|------------------------|------------|-------------|---------------------|------------|---------|
| | | | | | | M. YOUNGER | | _ | _ | |
| | | | | DIMENSIONS: | TOLERANCES UNLESS | СНК | 22FEB2012 | _ | _ | |
| _ | | | | _ | | B.A.WOLFE | | | | |
| | | | | mm | O PLC | APVD | 22FEB2012 | | TE Connec | ctivity |
| | | | | | 1 PLC ± - | B.A. WOLFE | | | | |
| | | | | | 2 PLC ± - 3 PLC ± - | NAME | CERTI_CRIME | P II TOOL DATA SHEE | T | |
| | _ | SEE SHEET 1 - | | ANGLES± - | 4 PLC ± - | - | MISCELLA | ANEOUS CONTACTS | - I | |
| - | l . TD | | DWAL ABYO | | | SCALE SIZE | DRAWING NO | SHE | ET OF O | REV |
| | LTR | REVISION RECORD DATE | DWN APVD | SURFACE TEXTURE | | - A | 1583 | 3011 | 2 " 8 | 18 |
| | • | _ | | | | | | , | | |
| | | 1 | | | 2 | | | 1 | | |

| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER | INSUL, ADJ, | FLIP LOCATOR | STRIP LENGTH | CRIMP HEIGHT | CONTACT PA | RT NUMBERS 🛆 | | |
|----------------|------------------------------------|--------------------------|----------------|-----------------|--------------------------|------------------------------|---------------------|---------------|--|--------------------|
| | mm LAWUJ | mm [in.] | | | mm [in.] | mm [in.] | LOOSE PIECE | STRIP FORM | | |
| -3 -1 | | | | | | | | | CONTACT DESCRIP. | APPLIC, SPECIF, |
| 91354-1 | 1.94-2.15 [14] | 2.18-3.94 [.086155] | NO | NO | 4.8-5.6 [.189220] | 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 [.059069] | - N 🗆 | N | 4,8-5,6 | 1.10 ± 0.05 [.043 ± .002] | | 9-1437846-1 | .040" [DUAL CONTACT] | 114-13039 |
| | 0,81-0,96 [18] | 1.70-3.00 [.067118] | | | [.189220] | 1.45 ± 0.05 [.057 ± .002] | | 9-1437846-2 | SBEC 1 MM TERMINAL | 114 13037 |
| 91356-1 | 1,28-1,42 [16] | 2.18-2.41 [.086095] | NO | NO | 4.8-5.6 [.189220] | 1.32 ± 0.05 [.052 ± .002] | | 1456004-1 | 1 MM TERMINAL | 114-13039 |
| 91357-1 | 0,50-0,60 [20] | 1.70-1.93 [.067076] | - N 🗆 | NO | 4,8-5,6 | 1.05 ± 0.05 [.041 ± .002] | | 1456004-2 | 1 MM TERMINAL | 114-13039 |
| | 0.81-0.96 [18] | 1.90-2.25 [.075089] | | | [.189220] | 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 [.100130] | 0.79 ± 0.05 [.031 ± .002] | 1604735-1 | | FUSE CLIP | N/A |
| 1725061-1 | 0.30-0.35 [22] | 1.34-1.60 [.053063] | N | N | 3,8-4,8 [,150-,189] | 1.55 ± 0.13 [.061 ± .005] | ASCO PN: 280019-001 | | ASCO REDHAT | N/A |
| 1804573-1 | 0.50-0.56×2 [20×2] | 1.27-1.83 [.050072] | | | 2,9-3,7 | 1.11 ± 0.05 [.043 ± .002] | | C C O O 1 O | AMD DIADE DECEDE | 100 000 |
| 1804573-3 | 0.50-0.89 [20-18] | 1.73-2.29 [.065090] | | N | [.115145] | 0.99 ± 0.05 [.039 ± .002] | 66026-2 | 66021-2 | AMP BLADE RECEPT. | 108-9201 |
| | 0.12-0.37 (26-22) | 1,20-1,90 (,047-,075) | | | | 0.83 ± 0.04 (.033 ± .002) | 175153 175155 | 175149 175151 | | |
| 1213783-1 | 0.50-0.89 (20-18) | 1.70-2.70 (.067106) | NO | N | 3.2 ± 0.5 (.12 ± .02) | 1.13 ± 0.05 (.044 ± .002) | 175154 175156 | 175150 175152 | UNIVERSAL POWER CONTACT | 114-5142 |
| | 1.25-1.42 (16) | 2,50-3,30 (,098-,130) | | | | 1.43 ± 0.05 (.056 ± .002) | | | | |

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USE IS 408-10274.

| | | | | | | | | DWN | 21FEB2012 | MATERIAL | HEAT TREAT | |
|---|------------------|----------|-----------------|------|----------|-----------------|----------------------|------------|-------------|--------------------|-------------------|--------|
| | | | | | | | | M. YOUNGER | | _ | - | |
| | | | | | | DIMENICIONIC | TOLERANCES UNLESS | CHK | 22FEB2012 | _ | _ | |
| | | | | | | DIMENSIONS: | OTHERWISE SPECIFIED: | B.A.WOLFE | | | , | |
| | | | | | | mm | 0 810 + | APVD | 22FEB2012 | STE | TE Connec | tivity |
| | | | | | | | | B.A. WOLFE | | | | |
| | | | | | | | 2 PLC | NAME | CEDTI CDIME | P II TOOL DATA SHE | | |
| | | - SEE SH | IEET 1 | _ | | ANGLES± - | 4 PLC ± - | _ | MISCELLA | ANEOUS CONTACTS | | |
| | | | | | | = | | SCALE SIZE | DRAWING NO | S | HEET | REV |
| | [→] L | TR | REVISION RECORD | DATE | DWN APVD | SURFACE TEXTURE | | - A1 | 1583 | 3011 | 3 ^{of} 8 | F18 |
| • | • | | 3 | | · | | 2 | | | 1 | | |

| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER | INSUL, ADJ, | FLIP _OCATOR | STRIP LENGTH | CRIMP HEIGHT | CONTACT PA | RT NUMBERS 🛕 | | |
|------------------------|--------------------------------------|--------------------------|----------------|-----------------|------------------------------|--|-------------------|-----------------|------------------------------------|--------------------|
| | MM LAWGJ | mm [in.] | | ПП | mm [in.] | mm [in.] | LOOSE PIECE | STRIP FORM | | |
| -3 -1 | | | | | | | | | CONTACT DESCRIP. | APPLIC. SPECIF. |
| 1901760-1 1901760-3 | 0,30-0,56 [22-20] | 1.5-2.4 [.059094] | \square | $N\Box$ | 4.0 ± 0.2 [.156 ± .008] | 0,99 ± 0,14 [,039 ± ,003] | 1-170321-1 | 1-170291-1 | DUAL LINK Interlock conn. | 114-5045 |
| 1901771-1 | 0,50-0,96 [20-18] | 1,27-2,92 | YES | N | 4.0 ± 0.4 | 0.97 ± 0.05 [.039 ± .002] | 350037 | 350019 | MINIATURE RECTANGULAR | 114-1014 |
| 1901771-3 | 0.12-0.38 [26-22] | [.050115] | | | [.156 ± .015] | 0.71 ± 0.05 [.028 ± .002] | 350036 | 350018 | CONTACT | 114 1014 |
| 1901786-1 | 0.03-0.09 | 0,64-1,52 [,025-,060] | YES | \mathbb{N} | 3,96-3,18 | 0.53 ± 0.05 | 530901-3 | 530901-2 | MINI TANDEM SPRING RCPT | 114-25021 |
| 1901786-3 | [32-28] | 0,64-1,37 [,025-,054] | | | [.156125] | $[.021 \pm .002]$ | 104506-[] | 104506-[] | AMPMODU MTE PIN | 114-25026 |
| 1901798-1 | 0.20-0.38 [24-22] | 0.97-1.57 [.038062] | YES | \mathbb{N} | 3,96 | 0,89 ± 0,05 [,035 ± ,002] | | 867052-[] | LOCKING CLIP .025-IN. | 114-25006 |
| 1901798-3 | 0.5-0.6 [20] | 1.27-2.54 [.050100] | | | [.156] | 1.02 ± 0.05 [.040 ± .002] | | | SQUARE CONTACT | |
| 1901829-1 | INSULATION PIERCING | 1,40 [,055] | | \mathbb{N} | USE UNSTRIPPED | 1.27 ± 0.05 [.050 ± .002] | 102348-2 | 87107-5 | MDD IV | 114-25003 |
| 1901829-3 | SEE INSULATION Diameter | 1.02 [.040] | | | WIRE | 1.17 ± 0.05 [.046 ± .002] | 102348-3 | 87107-6 | CRIMP SNAP-IN RCPT | |
| 1901957-1 | 0.05-0.15 [30-26] | 1.0-1.9 [.039075] | YES | \mathbb{N} | 2.5 ± 0.5 | 0.71-0.86 [.028034] | 171612-[] | 171610-[] | AMP-ULTREX - 2.5mm/2.54mm PITCH | 114-5077 |
| 1901957-3 | 0.12-0.35 [26-22] | 0.9-1.5 [.035059] | | | [.098 ± .020] | 0.59-0.73 [.023029] | 171611-[] | 171609-[] | RECEPTACLE CONTACT | 114 0077 |
| 1901963-1 | 1.28-2.15 [16-14] | 3,3-4,6 [,130-,180] | YES | N | 6.35 ± 1.60 | 1.68 ± 0.08 [.066 ± .003] | SOCKET PIN | SOCKET PIN | .140 MATE-N-LOK | 114-1007 |
| 1901963-3 | 0.50-0.96 [20-18] | 2.5-4.6 [.100180] | | | [,250 ± ,062] | 1.40 ± 0.08 [.055 ± .003] | 350388-1 350389-1 | 61626-1 61627-1 | PIN AND SOCKET | 114 1007 |
| 1976150-1 | 0.50-1.00 [24-20] | 1.80 MAX [.071 MAX] | - YES | NI | 4.37 ± 0.25 | 0.94 ± 0.05 [.037 ± .002] | | 86497-2 | HI PRESSURE | 114-25010 |
| 17/0100-1 | 0,21-0,56 [32-26] | 1.27 MAX [.050 MAX] | | N | [.172 ± .010] | 0.978 ± 0.050 [.0385 ± .0020] | | 86008-1 | AMPMODU (INVERTED) | 114-CJUIU |
| 2217748-1 | 0,80-0,50 [18-20] 1,40 [16] | 1.7-2.7 [.067106] | YES | NO | 5.10 ± 0.40 [.200 ± .016] | 1,22 ± 0,05 [,048 ± ,002] 1,40 ± 0,050 [,055 ± ,0020] | 770854-1 | 770520-1 | AMPSEAL | 114-16016 |

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-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.

| | | | | | | | | | | DWN | _ | 21FEB2012 | MATERIAL | HEAT TREAT |
|---|-----|-----|-----------------|------|-----|------|-------------------|-------------------------|-------------------|-------|--------|-------------|--|-----------------------|
| | | | | | | | | | | M. Y | OUNGER | | _ | _ |
| | | | | | | | DIMENCIONIC | TOLER | RANCES UNLESS | СНК | | 22FEB2012 | _ | _ |
| _ | | | | 1 | | | DIMENSIONS: | OTHER! | WISE SPECIFIED: | B.A.\ | VOLFE | | | |
| | | | | | | | mm | 0 0 0 | _ | APVD | | 22FEB2012 | | TE Connectivity |
| | + | | | | | | | 0 PLC 1 PLC | ± _ ± - | B.A. | WOLFE | | | • |
| - | - | | OFF CUEFT 4 | | | | | 2 PLC 3 PLC 4 PLC | ± - ± - ± - | NAME | | CERTI-CRIMF | P II TOOL DATA SHEE Aneous contacts | ΞΤ |
| | | - | SEE SHEET 1 | _ | _ | _ | ANGLES± - | | | SCALE | SIZE | DRAWING NO | SHE | EET REV |
| F |) L | LTR | REVISION RECORD | DATE | DWN | APVD | SURFACE TEXTURE - | $\sqrt{}$ | | _ | Ι Λ 1 | | 3011 | 4 ^{of} 8 F18 |
| | | | .3 | | | | | | 2 | | | | 1 | |

| | | | | | | | | | | | USED ON |
|--------------------|------------------------|--|--|----------------|------|-------------------------------|--|--|----------------------------------|---|--------------------|
| 011 | TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER mm [in.] | INSUL, ADJ, | FLIP | STRIP R LENGTH mm [in.] | CRIMP HEIGHT mm [in.] | | ART NUMBERS 1 | | |
| _ED DOCUMENT. 1583 | -3 -1 | | | | | | | LOOSE PIECE | STRIP FORM | CONTACT DESCRIP, | APPLIC. SPECIF. |
| S IS A CONTROLI | 1901557-1 | 0,50-0,56 [20] 0,75-0,89 [18] | 2.20-2.60 [.087102] | N | N | 4.0-5.0 [.157197] | 1.285 ± 0.065 $[.0505 \pm .0025]$ 1.310 ± 0.090 $[.0515 \pm .0035]$ | 170112 170113 | 170099-2 170100-2 | .079 (2.0mm) DIA PIN & RECEPTACLE | 114-5019 |
| THIS DRAWING | 1901557-3 | 1.25-1.42 [16] 2.00-2.27 [14] | 2.70-3.50 [.106138] | NO | N | 4.5-7.0 [.177276] | 1.645 ± 0.050 $[.0652 \pm .0020]$ 1.690 ± 0.090 $[.0665 \pm .0035]$ | 170292 170293 171654 | 170279-1 170280-1 172786-1 | .079 (2.0mm) DIA PIN & RECEPTACLE, LANCELESS | 114-5039 |
| | 1976577-1 1976577-3 | 0.80-1.24 [20-18] 0.40-0.64 [26-22] | 1.37-1.88 [.054074] 0.89-1.37 [.035054] | | N | 2.92-3.68 [.115145] | 1.35 ± 0.05 $[.053 \pm .002]$ 0.94 ± 0.50 $[.037 \pm .002]$ | 66169 | 66144 | AMP-TAB CONTACTS | 108-5039 |
| | 2031245-1 2031245-3 | 0.50-0.90 [20-18] 0.20-0.40 [24-22] | 1.27-1.65 [.050065] 0.89-1.40 [.035055] | - NO | ND | 3,18-3,96 [,125-,156] | 1.029 ± 0.051 $[.0405 \pm .002]$ 0.775 ± 0.051 $[.0305 \pm .002]$ | 167730-1 164715-1 | | AMP-LEAF | 114-9003 |
| | 2031200-1 2031200-3 | 0,20-0,22 [24] | 1.02 [.040] | N | ND | 3,56 ± 0,39 [,140 ± ,015] | 0,84 ± 0,05 [,033 ± ,002] | 60789 61276 | 60598 61119 | .058 DIA PC CONTACT | 114-1008 |
| | 2063834-1 2063834-3 | 0.5-0.6 [20] 0.8-0.9 [18] 1.25-14.42 [16] | 1.8-2.1 [.071083] 1.8-2.2 [.071087] | YES | N | 4.00-5.00 [.157197] | 0,89-1.05 [,035-,041] 0,89-1.08 [,035-,043] 1.06-1.40 [,042-,055] | 179419-1 179420-1 1376702-1 | | ,040 III UNSEALED RECEPTACLE CONTACT | 114-5217 |
| | 2063850-1 2063850-3 | 0,30-0,89 [22-18] | 1.1-1.8 [.043071] | YES | N | 4.00-5.00 [.157197] | 0.78-1.15 [.031045] | 1376700 1376701 | 316836 316837 | .040 III UNSEALED RECEPTACLE CONTACT | 114-5217 |
| | 2063811-1 2063811-3 | _ | 0,9-3,5 [,036-,138] | NO | ND | _ | _ | 328854 328858 328855 328859 328856 328860 328857 328861 | | PRE-INSULATED SPARE WIRE CAP | _ |
| | 2063857-1 | 22 OR 20 OR (2)24 18 OR (2)20 OR (2)22 | 1,52-2,29 [,060-,090] | N | N | 3,56±0,40 [,140±,015] | 0.94 ± 0.05 $[.037 \pm .002]$ 1.24 ± 0.05 $[.049 \pm .002]$ | 640024-1 | 640259-1 | .058 DIA PC CONTACT | 114-1008 |

2. AMP, CERTI-CRIMP & AMP-BLADE ARE TRADEMARKS. -3 IS A CERTI-CRIMP II HAND TOOL 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.

SEE SHEET 1

CERTI-CRIMP II DATA SHEET

DIMENSIONS:

DIMENSIONS:

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

B.A. WOLFE

APVD
22FEB2012

B.A. WOLFE

NAME

CERTI—CRIMP II TOOL DATA SHEET

MISCELLANEOUS CONTACTS

SCALE

SIZE
DRAWING NO
SHEET

TE Connectivity

SCALE
SIZE
DRAWING NO
SHEET

TOLERANCES

TE CONNECTIVITY

TO DATE

TO

IHIS DRAWING IS A CONTROLLED DOCUMENT. | 1583

| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER mm [in.] | INSUL, ADJ, | FLIP LOCATOR | STRIP LENGTH mm [in.] | CRIMP HEIGHT mm [in.] | | RT NUMBERS 1 | | |
|----------------------------|---|--|----------------|-----------------|--------------------------|---|---|---|---------------------------------|--------------------|
| | | | 3 | | | | LOOSE PIECE | STRIP FORM | CONTACT DESCRIP, | APPLIC, SPECIF, |
| 2119536-1 - 2119536-3 - | 0,03 [32] 0,50-0,06 [30] 0,08-0,09 [28] | 0.4-0.7 [.016028] 0.5-0.8 [.020031] | YES | YES | 1.0-1.2 [.0405] | 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 $[.0190 \pm .0010]$ 0.505 ± 0.025 $[.0200 \pm .0010]$ 0.535 ± 0.025 $[.0210 \pm .0010]$ | | 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] | N | 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 [.035059] | 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 | N | 3.1-3.6 [.1214] | 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 [.031037] .090-1.20 [0.35047] | N | 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 [.039047] 1.2-1.3 [.047051] | - N 🗆 | 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 NUMBER 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.

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

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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.

| | | | | | | DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC | M. YOU CHK B.A.WC APVD B.A. W NAME | LFE | 22FEB2012 22FEB2012 CERTI—CRIMF | ET TOOL DATA | SHEET | TE Conne | |
|---|-----|-----------------|------|-----|------|-----------------|---|------------------------------------|------|---------------------------------------|---------------|-------|-----------------|-----|
| | - | SEE SHEET 1 | _ | _ | _ | ANGLES± - | + 1 LO | SCALE | SIZE | MISCELLA DRAWING NO | ANEOUS CONTAC | SHEET | | REV |
| Р | LTR | REVISION RECORD | DATE | DWN | APVD | SURFACE TEXTURE | | _ | A 1 | | 3011 | 6 | ^{0F} 8 | F18 |

| TOOL NUMBER | WIRE SIZE mm ² [AWG] | INSULATION DIAMETER mm [in.] | INSUL, ADJ, | FLIP LOCATOR | STRIP LENGTH mm [in.] | CRIMP HEIGHT mm [in.] | | ART NUMBERS 1 | | |
|----------------|---|--|----------------|------------------------------|--------------------------|--|--|---|--|--------------------|
| -3 -1 | | | 3 | | | | LOOSE PIECE | STRIP FORM | CONTACT DESCRIP. | APPLIC, SPECIF, |
| 2217655-1 | 0.32-0.38 [22] 0.50-0.60 [20] 0.81-0.89 [18] | 1,7-2,9 [,67-,114] | YES | N | 2,69-3,30 [,106-,130] | 1.00 ± 0.05 [.039 ±.002] 1.10 ± 0.05 [.043 ±.002] 1.15 ± 0.05 [.043 ±.002] | 1744395-1 | 1744144-1 | ECONOMY POWER II | 114-1326 |
| 2217660-1 | 0.50-0.60 [20] 0.81-0.89 [18] 1.25-1.42 [16] | 1.7-2.9 [.67114] | YES | N | 2.46-2.84 [.097112] | 1.12 0.05 .044 ±.002] 1.27 ± 0.05 [.050 ±.002] 1.47 ± 0.05 [.058 ±.002] | 1744396-1 | 1744201-1 | ECONOMY POWER II | 114-1326 |
| 2217742-1 | 0.50-0.90 [20-18] 1.25-1.42 [16] | 1,85-2,29 [,073-,090] | YES | N | 3,18-3,56 [,125-,156] | 1.092±0.051 [.043±.002] 1.346±0.051 [.053±.002] | 583875-3 583875-6 5-583875-6 | 583875-2 583875-5 5-583875-5 | TWIN LEAF CONTACT | 114-9004 |
| 2217754-1 | 0.30-1.00 [2X22-1X18] 0.30-0.60 [22-20] | 2X22=3.05 MAX [.120 MAX] 1X18=1.65-2.03 [.065080] | - NO | N | 3,18-3,56 [,125-,156] | 1,1304±0,038 [,0445±,0015] 0,9779±0,0381 [,0385±,0015] | 42840-[] 583272-[] 583989-[] | 42717-[] []-583361-[] 60030-[] 58355-[] 583271-[][]-583989-[] | AMP LEAF CONTACT | 114-9003 |
| 2217766-1 | 0,32-0,60 [22-20] 0,80-0,90 [18] | 1,27-2,54 [,50-,100] | YES | N | 3,96 [,156] | 1.02 ± 0.05 [.040±.002] 1.22 ± 0.05 [.048±.002] | 87278-[] | 87269-[] | LOCKING CLIP CONTACT ,031 X ,062 | 114-2500 |
| 2280413-1 | 0.85-0.87 [18] 0.51-0.53 [20] 0.34-0.37 [22] | | N | YES 1 RECPT. 2 PIN 3 GROUND | 1,60 [,063] | 1.15 ± 0.05 [.0153 ±.002] 1.00 ± 0.05 [.0394 ± .002] 0.85 ± 0.05 [.0335 ± .002] | | RECPT-2271279-[] PIN-2271283-[] GROUND-2271285-[] | MICRO MOTOR CONN. | 114-537 |
| 2217746-1 | 0.50-1.40 [2X20-2X18-16] 0.50-0.60 [20] | 4.06 MAX [.160 MAX] 1.40-2.03 [.055080] | - NO | N | 3,56±0,38 [,140±,015] | 1.384 ± 0.051 [.0545±.0020] 1.054 ± 0.038 [.0415±.0015] | 42840-3 66028-3 []-583989-[] 583991-3 | 42717-3 []-583361-[] 1-60082-3 60151-[] 66028-1 42840-1 1-66028-3 1-42840-3 1-42840-4 | AMP LEAF CONTACT | 114-9003 |
| 2217743-1 | 0.40-1.00 [21-8/2X22] 0.10-0.40 [26-22] | 3.05 MAX [.120 MAX] 1.27-1.53 [.050060] | | N | 3,56±0,38 [,140±,015] | 1,029 ±0,038 [,0405 ±,0015] 0,775 ±,0038 [,0305 ±,0015] | 42840-3 583268-[] | 42717-1 583272-[] 42702-1 583990-[] 583267-[] 583991-[] 583271-[] 583989-[] | AMP LEAF CONTACT | 114-9003 |

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.

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THE HAND TOOL INSTRUCTION SHEET,

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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.

| | | | | 1 | | T=== | 1 | |
|-----------------------|-------------|-----------------|---|------------|------------------------|--------------------------------------|--------------|------|
| | | | | DWN | 21FEB2012 | MATERIAL | HEAT TREAT | |
| | | | | M. YOUNGER | | _ | _ | |
| | | | | СНК | 22FEB2012 | _ | _ | |
| | | DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: | B.A.WOLFE | | | _ | |
| | | mm | | APVD | 22FEB2012 | - TE | TE Connectiv | vitv |
| | | | O PLC ± _ | | 22FEB2012 | | | VICY |
| | | | 1 PLC ± - | B.A. WOLFE | | | | |
| | | | 2 PLC | NAME | OEDTI ODIM | | ICCT | |
| _ SEE SHEET 1 | | | 4 PLC ± - | | CERTI-CRIMI MISCELL | P II TOOL DATA SH ANEOUS CONTACTS | 7EE1 | |
| - SEE SHEEL I | | ANGLES± - | | SCALE SIZE | DRAWING NO | | | REV |
| P LTR REVISION RECORD | DATE DWN AF | SURFACE TEXTURE | | <u> </u> | 1 1583 | 3011 | | F18 |
| | <u>'</u> | | | | | | | |

USED ON __ STRIP LENGTH \top WIRE SIZE FLIP INSUL, CRIMP INSULATION CONTACT PART NUMBERS 1 DIAMETER mm [in.] NUMBER LOCATOR mm [in.] HEIGHT ADJ. mm² [AWG] mm [in.] LOOSE PIECE STRIP FORM 000 APPLIC. CONTACT DESCRIP. SPECIF. 3 1.067 ± 0.038 0.30-0.60 1.02-2.04 66010-2 66005 (22-20) $(.042 \pm .0015)$ (.040-.080) 3.3 ± 0.4 2217763-1 \square \square AMP BLADE RECEPT. 108-9201 $(.130 \pm .015)$ 0.12-0.20 1.02-1.53 0.813 ± 0.038 66011-2 66009 (26-24) $(.032 \pm .0015)$ (.040 - .060)0.80-0.50 1.22 ± 0.05 1.7-2.7 $[.048 \pm .002]$ [18-20] 5.10 ± 0.40 2217748-1 YES $N \square$ 770854-1 770520-1 AMPSEAL 114-16016 [.067-.106] $[.200 \pm .016]$ 1.40 1.40 ± 0.05 [16] $[.055 \pm .002]$ 1.55 ± 0.05 1.4-2.1 776491-[] HDSF SIZE 16 2,26-3,18 [16-14] $[.061 \pm .002]$ 5.08 ± 0.40 2217753-1 $N\Box$ $N\Box$ 114-13045 [,089-,125] PIN & SOCKET $[.200 \pm .016]$ 638112-[] 0.90 1.37 ± 0.05 [18] $[.054 \pm .002]$ 0.85-1.05 0.13 [26] 0.59 0.02 2098583-4 [,033-,041] [.0230±.0008] 0.50MM RECEPTICLE 3,25-3,55 0,35 1.10-1.20 0.67 ± 0.03 2844375-1 2098583-1 114-13287 $N \square$ YES [.128-.140] [22] [.043-.047] [.0264 ±.0012] CONTACT 0.35 1,10-1,40 0.68 ± 0.02 2098583-2 [22] [.043-.055] [,0268 ± ,0008] 0.15-0.24 0.63 ± 0.05 .062 1.52 MAX [26-24] $[.025 \pm .002]$ 3.05 YES 2217755-1 $N \square$ 794019-1 114-1013 PIN & SOCKET [.060 MAX] [0.120]0.06-0.90 0.58 ± 0.05 [30-28] $[.025 \pm .002]$ 61061 0.24-0.30 1.27-2.29 0.765 ± 0.036 61120-1 AMP COMBO LINE [.050-.090] $[.030 \pm .0014]$ [24-22]61122-1 61063 4.8-5.6 YES 408-7305 2217752-1 $N \square$ CONNECTORS [.189-.220] 1,52-2,79 61121-1 61062 0.60-0.90 0.955 ± 0.028 [.060-.110] [20-18] $[.0376 \pm .0011]$ 61123-1 61064 4,0-4,4 2.10 MAX 1.12 ± 0.05 1924782-[] 1.00 mm2 [.157-.173] [.082] $[.044 \pm .002]$ GET NEW GENERATION 1.31 ± 0.05 FEMALE 0.64mm 2280517-1 114-13236 16 AWG $N\Box$ $N\Box$ $[.052 \pm .002]$ 3.7-4.1 2.40 MAX SOCKET CONTACTS 1924880-[] [.146-.161] [.094] 1.40 ± 0.05 1.50 mm2 $[.055 \pm .002]$ 0.76 0.05 0.30-0.40 [22] [.0299± .002] 1-2834067-[] 2,30-2,60 2834067-[] 1.05 ± 0.05 0.80-.90 2-2834067-[] MINIATURE WATERPROOF 1.60-2.00 2305567-1 114-137093 $N \square$ YES [.90-.102] [18] $[.0413 \pm .002]$ 2834068-[] [,063-,078] 1-2834068-[] CONNECTOR 0.50-0.60 0.87 ± 0.05 2-2834068-[] [20] $[.0342 \pm .002]$ PRINTED CIRCUIT BOARD
DISCONNECTED RECPTACLE 114-1008
CONTACTS 350189-[] 61513-[] 0.15-0.30 0,89-1,65 3,56-3,94 0.66 ± 0.05 2305781-1 YES $N \square$ [26-22] [.035-3045] [.140-.155] $[.026 \pm .002]$ 60804-[] 60983-[] 21FEB2012 MATERIAL M. YOUNGER TOLERANCES UNLESS OTHERWISE SPECIFIED: DIMENSIONS: B.A.WOLFE TE Connectivity

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3308-8 (1/15)

REVISION RECORD

1 PLC 2 PLC 3 PLC 4 PLC

STE B.A. WOLFE CERTI-CRIMP II TOOL DATA SHEET MISCELLANEOUS CONTACTS 1583011

SEE SHEET 1

DATE DWN APVD SURFACE TEXTURE

ALE SIZE A 1

8 OF 8 F18

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: