

DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS). 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 ¹ | | CONTACT DESCRIPTION | APPLIC. SPECIF. |
|--------------------|------------------------------------|------------------------------------|----------------|-----------------|------------------------------|------------------------------|-----------------------------------|--|---|--|
| | | | | | | | LOOSE PIECE | STRIP FORM | | |
| 91563-1 91563-3 | 0.20-0.56 [24-20] | 1.50-2.20 [.059-.087] | YES | NO | 4.0-4.5 [.157-.177] | 0.98 ± 0.05 [.039 ± .002] | 171699-[] ⁴ | 171630-[] ^{3 4} | ECONOSEAL "J" II, .070 Series Contacts | 114-5082 |
| | 0.20-0.56 [24-20] | | | | 1.02 ± 0.05 [.040 ± .002] | 173600-[] ⁴ | 171631-[] ^{3 4} | | | |
| 91573-1 91573-3 | 0.50-0.89 [20-18] | 2.00-2.60 [.079-.102] | NO | NO | 3.5-4.5 [.138-.177] | 1.20-1.35 [.047-.053] | 175027-[] 175030-[] | 173631-[] ³ 173645-[] ³ | .070 Series Contacts | 114-5091 114-5092 114-5091-9 114-5092-9 |
| 91580-1 91580-3 | 0.20-0.22 [24] | 1.20-1.50 [.047-.059] | NO | NO | 3.5-4.5 [.138-.177] | 1.00-1.10 [.039-.043] | 175026-[] 175029-[] | 173630-[] ³ 173633-[] ³ | .070 Series Contacts | 114-5091-9 114-5092-9 |
| 91583-1 91583-3 | 0.50-0.89 [20-18] | 2.00-2.70 [.079-.106] | YES | NO | 4.5-5.0 [.177-.197] | 1.20-1.32 [.047-.0512] | 173707-[] ⁵ | 171662-[] ^{3 5} | ECONOSEAL "J" II, .070 Series Contacts | 114-5082 |
| 91585-1 91585-3 | 0.50-0.89 [20-18] | 2.00-2.70 [.079-.106] | YES | NO | 4.5-5.0 [.177-.197] | 1.20-1.32 [.047-.052] | 173706-[] ⁵ | 171661-[] ^{3 5} | ECONOSEAL "J" II, .070 Series Contacts | 114-5082 |

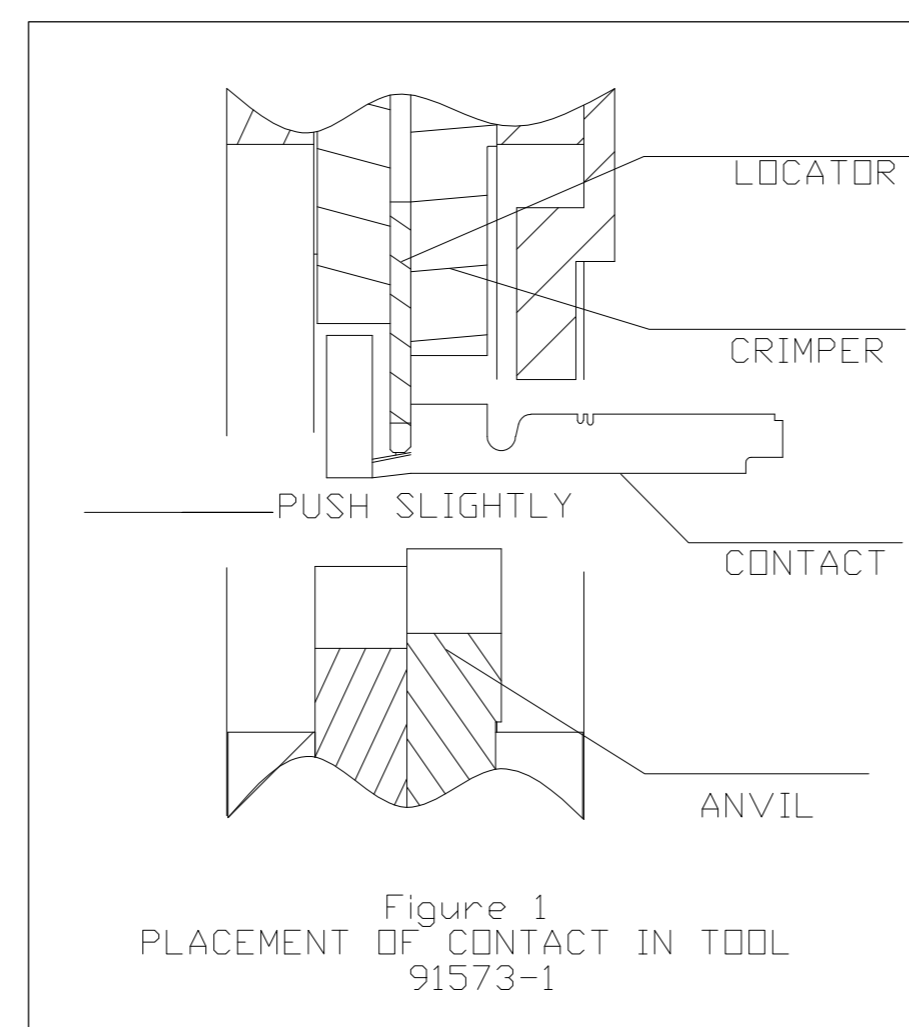
¹ LIST OF APPLIED CONTACT PART NUMBERS MAY NOT BE COMPLETE AND IS SUBJECT TO CHANGE. FOR CURRENT INFORMATION ON TERMINAL PART NUMBERS, CONTACT THE TOOLING ASSISTANCE CENTER : 1-800-722-1111.

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

³ TERMINAL MUST BE PRE-FORMED BEFORE IT CAN BE CRIMPED.

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

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



⁶ POSITION CONTACT BETWEEN CRIMPS SO LOCATOR / INSULATION STOP ENTERS THE CONTACT. PUSH THE CONTACT TOWARD THE LOCATOR AS SHOWN IN FIGURE 1. HOLDING CONTACT IN PLACE, SQUEEZE TOOL HANDLES TOGETHER UNTIL INSULATION BARREL ANVIL STARTS ENTRY INTO INSULATION CRIMPER. DO NOT DEFORM INSULATION BARRREL OR WIRE BARREL AT THIS MOMENT.

⁷ -1 IS A COMPLETE CERTICRIMP II HAND TOOL ASSEMBLY.
-3 IS A CERTICRIMP II HEAD SUB-ASSEMBLY.

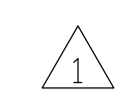
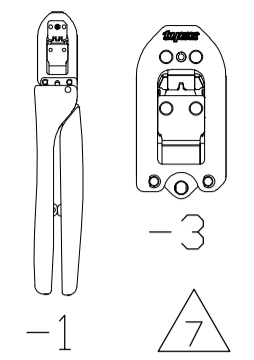
8. THE HAND TOOL INSTRUCTION SHEET, ALSO KNOWN AS AN "IS", FOR MOST CERTI-CRIMP II TOOLS USE IS 408-8547. IF THE TOOL HAS A FLIP LOCATOR USE IS 408-10414.

CERTI-CRIMP II DATA SHEET

| | | | | | | | | | |
|-----------------|--|--|--|-----------------|-----------|---------------------------------------|---|------------|---|
| DIMENSIONS: | | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | OWN | 21FEB2012 | MATERIAL | - | HEAT TREAT | - |
| mm | | 0 PLC ± - | | CHK | 22FEB2012 | ECONOSEAL J-11 & .070 SERIES CONTACTS | | | |
| ⊕ | | 1 PLC ± - | | E.A. WOLFE | | TE Connectivity | | | |
| ⊖ | | 2 PLC ± - | | APVD | | | | | |
| ⊖ | | 3 PLC ± - | | E.A. WOLFE | | SCALE | | | |
| ⊖ | | 4 PLC ± - | | NAME | | SIZE | | | |
| ANGLES ± | | - | | DRAWING NO | | 1583009 | | | |
| SURFACE TEXTURE | | √ | | SHEET | | 1 of 2 | | | |
| P | | LTR | | REVISION RECORD | | DATE | | REV | |
| B4 | | REVISED - NEW FORMAT | | 2-2012 | | MY | | BAW | |
| P | | LTR | | DATE | | OWN | | APVD | |

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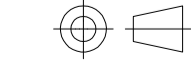

DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS).
 THIS DRAWING IS A CONTROLLED DOCUMENT. DRAW NO. 1583009

| 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 DESCRIPTION | APPLIC. SPECIF. |
|--|------------------------------------|------------------------------------|----------------|-----------------|--------------------------|-----------------------------|---|-------------|-------------------------------|--------------------|
| | | | | | | | LOOSE PIECE | STRIP FORM | | |
|  -1 | | | | | | | | | | |
| 1752959-1 | 1.28-1.42 [16] | 2.08-2.64 [.082-.104] | YES | NO | 3.60-4.20 [.142-.165] | 1.42 ± 0.05 [.056 ± .002] | - | 1-1437709-3 | 1.6 MM SYSTEM TERMINAL W/SEAL | N/A |
| 1752959-3 | 1.94-2.15 [14] | | | | | 1.60 ± 0.05 [.063 ± .002] | - | 1-1437709-6 | | |
| 1752960-1 | 0.50-0.60 [20] | 1.40-2.21 [.055-.087] | YES | NO | 3.60-4.20 [.142-.165] | 1.07 ± 0.05 [.042 ± .002] | - | 1-1437709-2 | 1.6 MM SYSTEM TERMINAL W/SEAL | N/A |
| 1752960-3 | 0.81-0.96 [18] | | | | | 1.19 ± 0.05 [.047 ± .002] | - | 1-1437709-5 | | |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - |

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LOC: A
 DIST: 00

CERTI-CRIMP II DATA SHEET

| | | | |
|--|----------|---|---------------|
| DWN: M. YOUNGER 21FEB2012 | | MATERIAL: - | HEAT TREAT: - |
| CHK: B.A.WOLFE 22FEB2012 | |  | |
| APVD: B.A. WOLFE 22FEB2012 | | | |
| NAME: CERTI-CRIMP II TOOL DATA SHEET | | | |
| ECONOSEAL J-11 & .070 SERIES CONTACTS | | | |
| SCALE: - | SIZE: A1 | DRAWING NO: 1583009 | SHEET: 2 of 2 |
| REVISION RECORD | | DATE | DWN |
| - SEE SHEET 1 | | - | - |
| DIMENSIONS: mm | | DIMENSIONS: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - | |
| SURFACE TEXTURE:  | | ANGLES:  - SURFACE TEXTURE:  | |

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[91585-1](#)