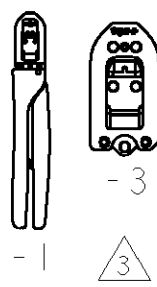
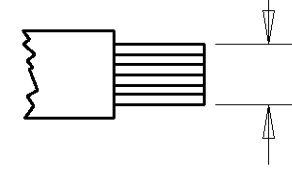
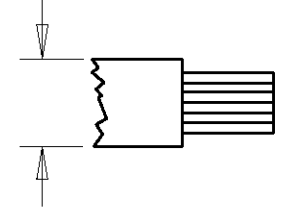
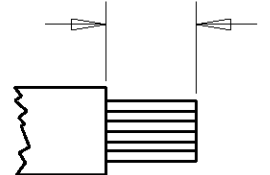
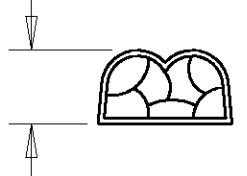
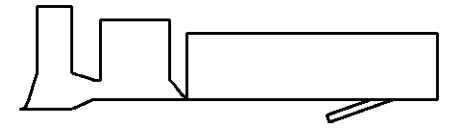
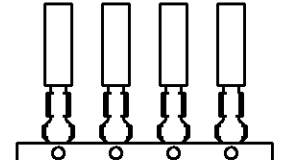
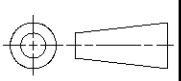


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                         |  |                                                                                                                      |                                           |                                                                                                                |  |                                                                                                                 |  |                                                                                                          |  |                                                                            |  |                                   |  |                                                                                                   |  |                              |  |           |  |     |  |      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|-----------------------------------|--|---------------------------------------------------------------------------------------------------|--|------------------------------|--|-----------|--|-----|--|------|--|
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 3                                                                                                                       |  | 2                                                                                                                    |                                           | 1                                                                                                              |  |                                                                                                                 |  |                                                                                                          |  |                                                                            |  |                                   |  |                                                                                                   |  |                              |  |           |  |     |  |      |  |
| THIS DRAWING IS UNPUBLISHED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                         |  |                                                                                                                      | RELEASED FOR PUBLICATION                  |                                                                                                                |  |                                                                                                                 |  | LOC                                                                                                      |  | DIST                                                                       |  | REVISIONS                         |  |                                                                                                   |  |                              |  |           |  |     |  |      |  |
| © COPYRIGHT 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                         |  |                                                                                                                      | BY AMP INCORPORATED. ALL RIGHTS RESERVED. |                                                                                                                |  |                                                                                                                 |  | A                                                                                                        |  | 40                                                                         |  | P                                 |  | LTR                                                                                               |  | DESCRIPTION                  |  | DATE      |  | DWN |  | APVD |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                         |  |                                                                                                                      |                                           |                                                                                                                |  |                                                                                                                 |  |                                                                                                          |  |                                                                            |  |                                   |  | O I                                                                                               |  | ADDED -3 HEAD SUB-ASSEMBLIES |  | 17MAR2004 |  | JJG |  | RLS  |  |
| TOOL NUMBER<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | WIRE SIZE<br>mm <sup>2</sup> [AWG]<br> |  | INSULATION DIAMETER<br>mm [in.]<br> |                                           | STRIP LENGTH<br>mm [in.]<br> |  | CRIMP HEIGHT<br>mm [in.]<br> |  | CONTACT PART NUMBERS  |  | CONTACT DESCRIPTION                                                        |  | APPLICATION SPECIFICATION         |  |                                                                                                   |  |                              |  |           |  |     |  |      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                         |  |                                                                                                                      |                                           |                                                                                                                |  |                                                                                                                 |  | LOOSE PIECE<br>       |  |                                                                            |  |                                   |  | STRIP FORM<br> |  |                              |  |           |  |     |  |      |  |
| 91509-1<br>91509-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 0.32-0.89 [22-18]<br>1.25-1.42 [16]                                                                                     |  | 2.29-3.30 [.090-.130]                                                                                                |                                           | 4.75±0.38 [.187±.015]                                                                                          |  | 1.27±0.05 [.050±.002]<br>1.52±0.08 [.060±.003]                                                                  |  | 42566-[ ]                                                                                                |  | 42452-[ ]                                                                  |  | 187 FASTON Contacts               |  | 114-2036 and 114-35000                                                                            |  |                              |  |           |  |     |  |      |  |
| 91511-1<br>91511-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 0.20-0.38 [24-22]<br>0.32-0.96 [22-18]                                                                                  |  | 1.02-1.52 [.040-.060]<br>1.52-2.54 [.060-.100]                                                                       |                                           | 4.75±0.38 [.187±.015]                                                                                          |  | 0.76±0.05 [.030±.002]<br>1.14±0.05 [.045±.002]                                                                  |  | 42470-[ ]<br>60706-[ ]                                                                                   |  | 42067-[ ]<br>42415-[ ]<br>60118-[ ]<br>60197-[ ]<br>60415-[ ]<br>60577-[ ] |  | 110 FASTON Contacts               |  | 114-2036 and 114-35000                                                                            |  |                              |  |           |  |     |  |      |  |
| 91514-1<br>91514-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 0.32-0.96 [22-18]                                                                                                       |  | 1.52-2.54 [.060-.100]<br>2.29-3.30 [.090-.130]                                                                       |                                           | 6.35±0.38 [.250±.015]                                                                                          |  | 1.40±0.05 [.055±.002]                                                                                           |  | 42731-[ ]<br>60878-2<br>41969-[ ] 61316-1                                                                |  | 42640-[ ]<br>41772-[ ] 60294-2                                             |  | 250 SERIES FASTON contacts        |  | 114-2036 and 114-35000                                                                            |  |                              |  |           |  |     |  |      |  |
| 91581-1<br>91581-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 0.50-0.85 [20-18]                                                                                                       |  | 2.03-3.05 [.080-.120]                                                                                                |                                           | 4.5±0.38 [.177±.015]                                                                                           |  | 0.97-1.10 [.038-.043]<br>1.42-1.55 [.056-.061]                                                                  |  | 170042-[ ]<br>172799-[ ]<br>170041-[ ]                                                                   |  | 170015-[ ]<br>170033-[ ]<br>170014-[ ]                                     |  | 110 FASTON Contacts               |  | 114-2036 and 114-35000                                                                            |  |                              |  |           |  |     |  |      |  |
| 91593-1<br>91593-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 0.51-0.89 [20-18]<br>1.25-1.38 [16]                                                                                     |  | 1.90-3.00 [.075-.118]<br>2.40-3.40 [.094-.134]                                                                       |                                           | 4.50±0.50 [.177±.020]                                                                                          |  | 1.35-1.54 [.053-.061]<br>1.26-1.59 [.050-.063]                                                                  |  | 170331-[ ]                                                                                               |  | 170325-[ ]                                                                 |  | 187 POSITIVE LOCK FASTON Contacts |  | 114-5041                                                                                          |  |                              |  |           |  |     |  |      |  |
| <div><div> 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.</div><div>2. AMP, CERTI-CRIMP, and FASTON are trademarks.</div><div> -1 IS A CERTICRIMP II HAND TOOL ASSEMBLY.<br/>-3 IS A CERTICRIMP II HEAD SUB-ASSEMBLY.</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                         |  |                                                                                                                      |                                           |                                                                                                                |  |                                                                                                                 |  |                                                                                                          |  |                                                                            |  |                                   |  |                                                                                                   |  |                              |  |           |  |     |  |      |  |
| <div><div>THIS DRAWING IS A CONTROLLED DOCUMENT FOR AMP INCORPORATED. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.</div><div><div>DIMENSIONS:<br/>mm</div><div></div><div>MATERIAL<br/>-</div></div><div><div>TOLERANCES UNLESS OTHERWISE SPECIFIED:<br/>0 PLC ±<br/>1 PLC ±<br/>2 PLC ±<br/>3 PLC ±<br/>4 PLC ±<br/>ANGLES ±<br/>FINISH -</div></div></div> <div><div>DWN<br/>J. GULA 21JAN2002</div><div>CHK<br/>R. SCHAEFFER 21JAN2002</div><div>APVD<br/>R. SCHAEFFER 21JAN2002</div><div>PRODUCT SPEC<br/>-</div><div>APPLICATION SPEC<br/>-</div><div>WEIGHT<br/>-</div><div>CUSTOMER DRAWING</div></div> <div><div> Tyco Electronics<br/>Harrisburg, PA 17105-3608</div><div>NAME<br/>CERTI-CRIMP II TOOL DATA SHEET<br/>FASTON CONTACT FAMILY</div><div>SIZE<br/>A2</div><div>CAGE CODE<br/>00779</div><div>DRAWING NO<br/>1583005</div><div>SCALE<br/>-</div><div>SHEET<br/>1</div><div>OF<br/>1</div><div>REV<br/>01</div></div> |  |                                                                                                                         |  |                                                                                                                      |                                           |                                                                                                                |  |                                                                                                                 |  |                                                                                                          |  |                                                                            |  |                                   |  |                                                                                                   |  |                              |  |           |  |     |  |      |  |