

114-5135

NUMBER

Customer Release

SECURITY CLASSIFICATION

114-5135

Application Specification
Crimping COMBOLINE* Connector Contact for PCB

1. Applicable Products:

| Product Name | Product Part No. | Wire Size mm ² (AWG) | Insulation Diameter (mm) |
|----------------|---------------------------------------|------------------------------------|-----------------------------|
| Socket Contact | 170104 - X 170460-1 (Strip (L.P.)) | 0.2-0.5 (#24-#20) | 1.27 - 2.29 |

Applicable Housing Part Numbers: 171141-1 (4-Pos.) Fig. 1
171216-1 (6-Pos.)
171142-1 (8-Pos.)

2. Crimping Conditions:

| No. | Check Items | Specified Limit |
|-----|-----------------------------|-------------------------|
| 1 | Insulation Stripping Length | 4.5 ⁺ 0.5 mm |
| 2 | Wire End Protrusion Length | 0 - 1.0 mm |
| 3 | Twisting | 5° max. |
| 4 | Rolling | 20° max. |
| 5 | Bend-Up | 10° max. |
| 6 | Bend-Down | 10° max. |
| 7 | Front Bellmouth Length | 0.7 mm max. |
| 8 | Rear Bellmouth Length | 0.3 - 1.0 mm |
| 9 | Cut-Off Tab Length | 0.5 mm max. |

Fig. 2

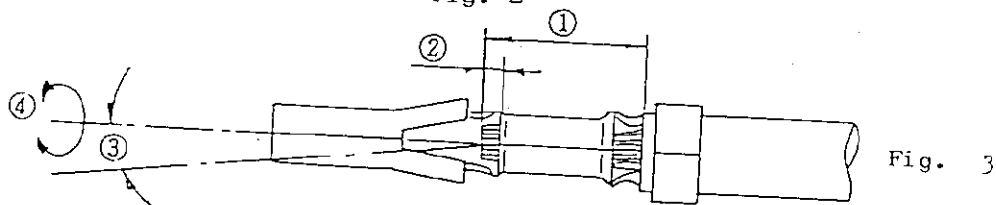


Fig. 3

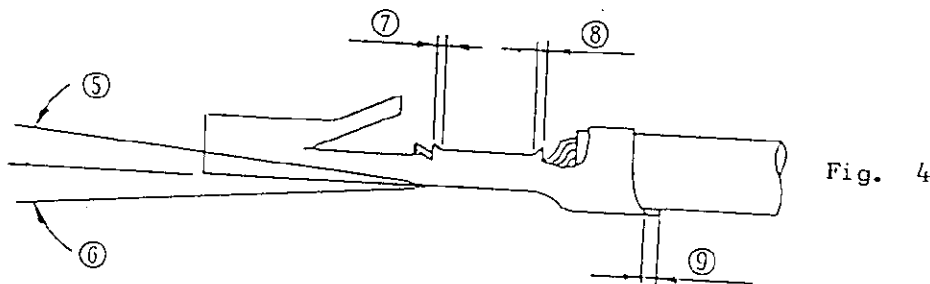



Fig. 4

| | | | | | | | | |
|-----|-------------------|----------|------------|------------------------------------|---|---|----------|-----|
| | | | | DR 17 DEC 91 <i>H. Nakamura</i> |  AMP (Japan), Ltd. Kawasaki, Japan | | | |
| | | | | CHK 17 DEC '91 | | | LOC | NO. |
| | | | | APP <i>K. Sakamoto</i> | J | A | 114-5135 | A |
| A | Revised RFA-1924 | K.N.K.S. | 17 DEC '91 | SHEET | | NAME | | |
| O | Released RFA-1332 | K.N.K.S. | 17 DEC '91 | 1 OF 2 | | Crimping COMBOLINE* Connector Contact for PCB | | |
| LTR | REVISION RECORD | DR | CHK | DATE | | | | |


PRINT DIST.

| Contact Part Number | Tool Number | Wire Size (Nominal) | Insulation Stripping Length ±0.5 mm | Wire Crimp | | | Insulation Crimp Width (mm) | Insulation Crimp Finished Diameter (mm) | Crimp Tensile Strength (kg) (Min.) | | |
|------------------------------|-----------------|---------------------|--|------------------|-------------------|-------------|-----------------------------|---|------------------------------------|-----|-----|
| | | | | Crimp Width (mm) | Crimp Height (mm) | DISC Letter | | | | | |
| 170140-□ (連鎖状) (Strip) | 721326-2 (1) | 1 0.5 (#20) | 4.5 | 1.40 "P" | 0.79±0.05 | A | 2.54 "P" | 3.0以下 max. | 6.8 | | |
| | | 1 0.3 (#22) | | | 0.69±0.05 | | | | | B | 4.5 |
| | | 1 0.2 (#24) | | | 0.61±0.05 | | | | | D | 2.5 |
| 170460-1 (バラ状) (L. P.) | 909968-1 (2) | 1 0.5 (#20) | 4.5 | 1.40 "P" | 0.72~0.82 | #20 | 2.54 "P" | 3.0以下 max. | 6.8 | | |
| | | 1 0.3 (#22) | | | 0.58~ | | | | | #24 | 4.5 |
| | | 1 0.2 (#24) | | | 0.68 | | | | | #22 | 2.5 |

(1) Denotes applicator for use on AMP-O-LECTRIC Automachine.

(2) Denotes hand tool.

Fig. 5

| | | | | | |
|---|--|---|----|-----------------------------------|--|
| SHEET | |  | | AMP (Japan), Ltd. TOKYO, JAPAN | |
| 2 OF 2 | | LOC | NO | 114 - 5135 | |
| | | J | A | REV. A | |
| NAME Crimping COMBOLINE* Connector Contact for PCB | | | | | |