

APPLICATION SPECIFICATION

114-115031

1.0MM PITCH WTB CONNECTOR

1. SCOPE

This specification covers the requirements for crimping of 1.0mm pitch WTB Connector for applicator and manually operated hand tool.

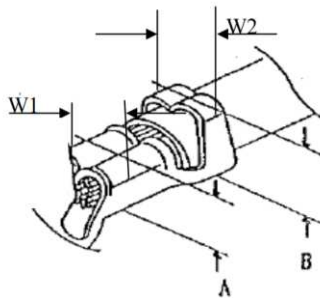
2. APPLICABLE PRODUCTS

This instruction sheet is applicable to products shown below:

| Part No. | Description | Wire Size | Conductor OD |
|-------------|---|-----------|------------------------|
| 2367199-* | 1.0mm WTB Contact | AWG #28 | 7/0.127±0.007 Ø0.38 |
| *-2367196-* | 1.0mm WTB RIGHT ANGLE TYPE WITH LATCH | | |
| *-2367197-* | 1.0mm WTB Side Vertical Type With Latch | | |
| *-2367198-* | 1.0 WTB HOUSING WITH LATCH | | |

3. CRIMPING DATA


| Contact Part No. | Wire Size | | | Crimp Height (mm) | | Crimp Width (mm) | |
|---------------------|--------------------|---------------|----------------------|-------------------|-----------------|------------------|------------------|
| | UL Style (REF.) | Size (AWG) | Insulation OD(mm) | Conductor A | Insulation B | Conductor W1 | Insulation W2 |
| | | | | | | | |
| 2367199-* | UL3302 | #28 | 0.62±0.05 | 0.44~0.48 | 1.0±0.05 | 0.73±0.05 | 0.70±0.1 |



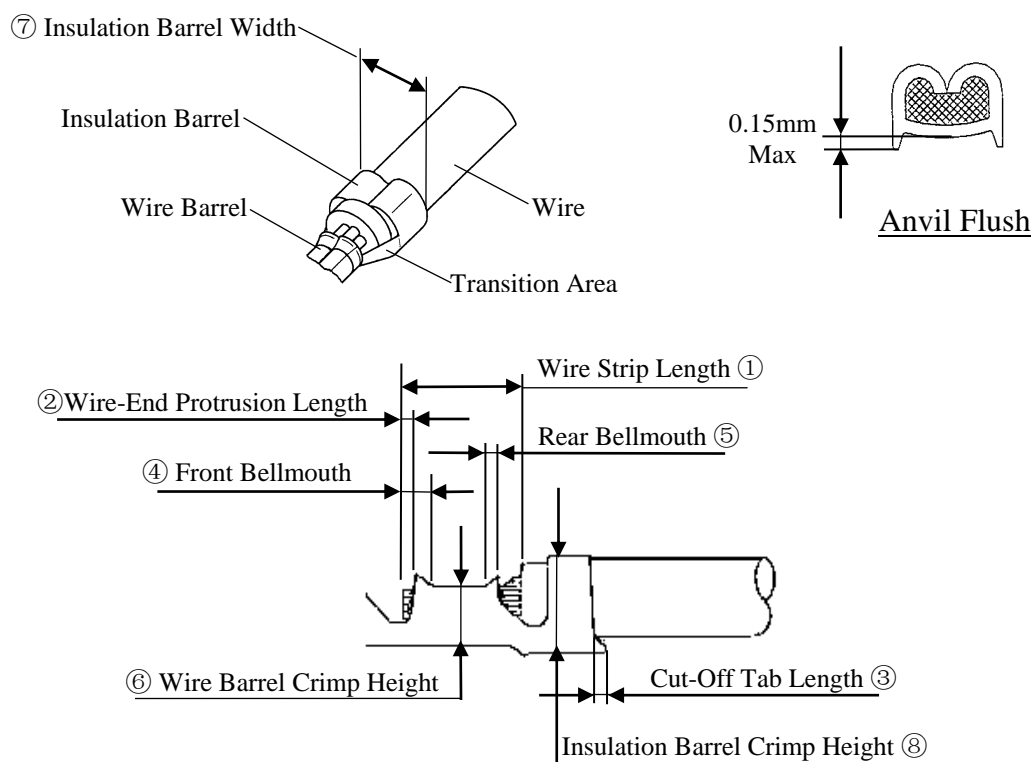
Strip length: 1.3~1.6mm ref.

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| | | | | | | | | | |
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| 2 | REVISED | J.J | 30MAY 20 | DR | |  TE Connectivity AMP Shanghai Ltd | | | |
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| 1.0MM PITCH WTB CONNECTOR | | | | | | | | | |
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4. NOMENCLATURE



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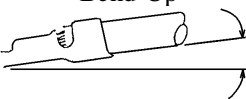
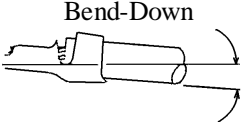
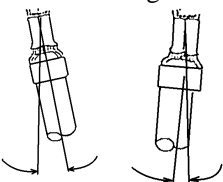
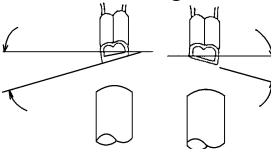
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5. CRIMPING REQUIREMENT

| No. | Check Items | | Crimping Requirements | Remarks |
|-----|------------------------------------|---|---|---------------------|
| | | | Applicator | |
| 1 | Wire Strip Length | | 1.3~1.6 mm | Refer to ① of Fig.1 |
| 2 | Wire-End Protrusion Length | | 0.05 ~ 0.25 mm | Refer to ② of Fig.1 |
| 3 | Cut-Off Tab Length | | 0.2 mm Max. | Refer to ③ of Fig.1 |
| 4 | Bellmouth | Front | Presence of Front Bellmouth is optional | Refer to ④ of Fig.1 |
| | | Rear | 0.1 ~ 0.3 mm | Refer to ⑤ of Fig.1 |
| 5 | Wire Barrel Crimp | | Refer Table1 | Refer to ⑥ of Fig.1 |
| 6 | Insulation Barrel Width | | 0.80mm Max | Refer to ⑦ of Fig.1 |
| 7 | Insulation Barrel Crimp Height | | Refer Table 1 | Refer to ⑧ of Fig.1 |
| 8 | Allowable Deviation after Crimping | Bend-Up  | 6° Max. | |
| 9 | | Bend-Down  | 6° Max. | |
| 10 | | Twisting  | 5° Max. | |
| 11 | | Rolling  | 5° Max. | |



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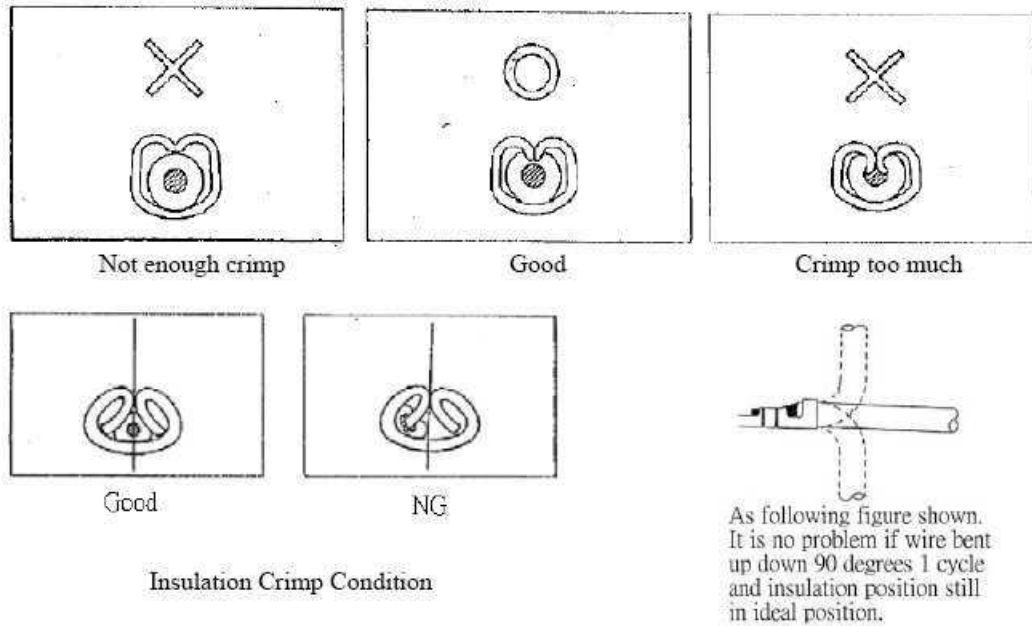
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6. STANDARD INSULATION CRIMPING



7. CONDUCTORS CRIMPING CONDITION

