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.

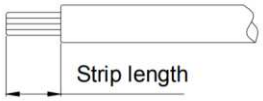
2. APPLICABLE PRODUCTS

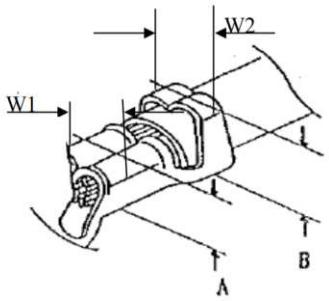
This instruction sheet is applicable to products shown below:

Part No.	Description	Wire Size	Conductor OD
2367199-*	1.0mm WTB Contact	AWG #28	7/0.127±0.007 ∅0.38
-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.

DIST

LTR	REVISION RECORD	DR	DATE
2	REVISED	J.J	30MAY 20

DR Jone Ji
CHK Wenke He
APP Wenke He

TE Connectivity
AMP Shanghai Ltd

NO 114-115031 | REV 2 | LOC EC

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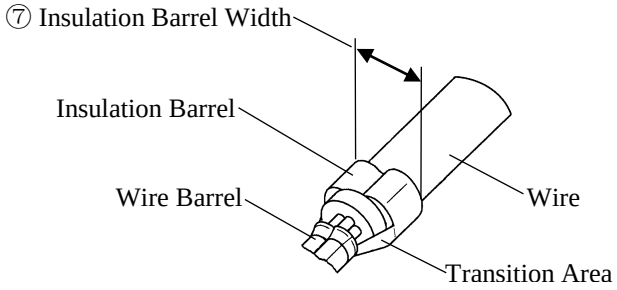
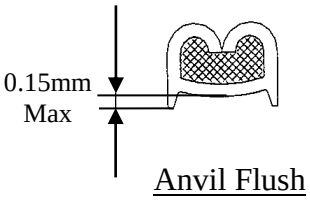
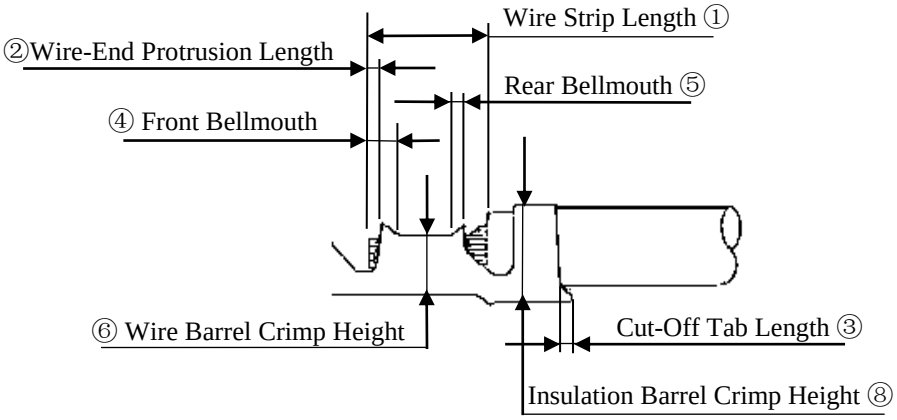
TITLE **1.0MM PITCH WTB CONNECTOR**

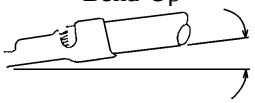
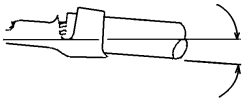
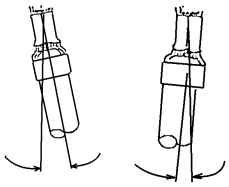
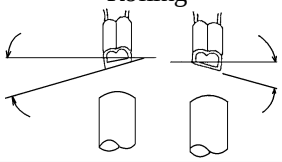
4. NOMENCLATURE



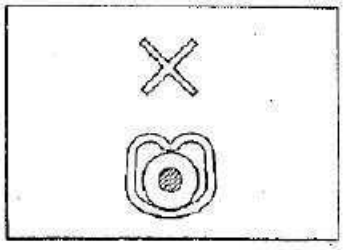




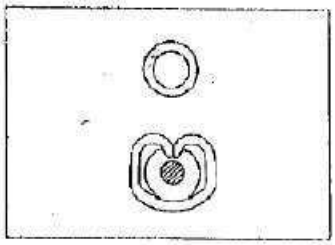
5. CRIMPING REQUIREMENT

No.	Check Items		Crimping Requirements Applicator	Remarks
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 ⑦of 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.	

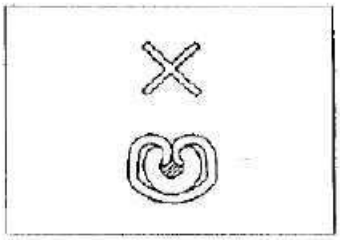
6. STANDARD INSULATION CRIMPING



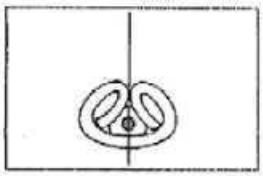
Not enough crimp



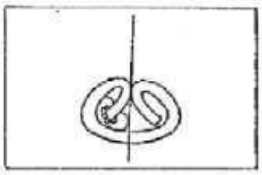
Good



Crimp too much



Good



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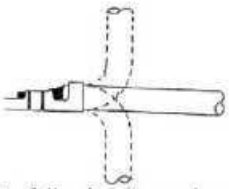
Insulation Crimp Condition



As following figure shown.
It is no problem if wire bent up down 90 degrees 1 cycle and insulation position still in ideal position.

7. CONDUCTORS CRIMPING CONDITION