

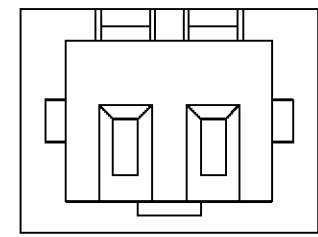
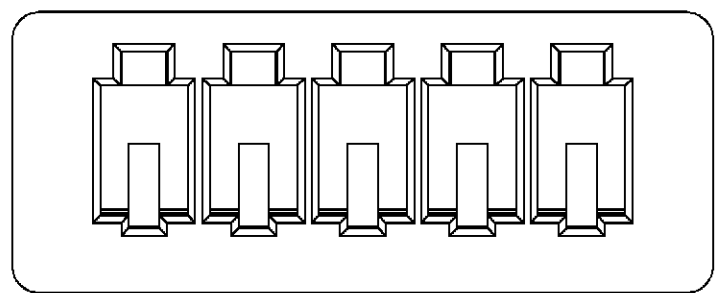
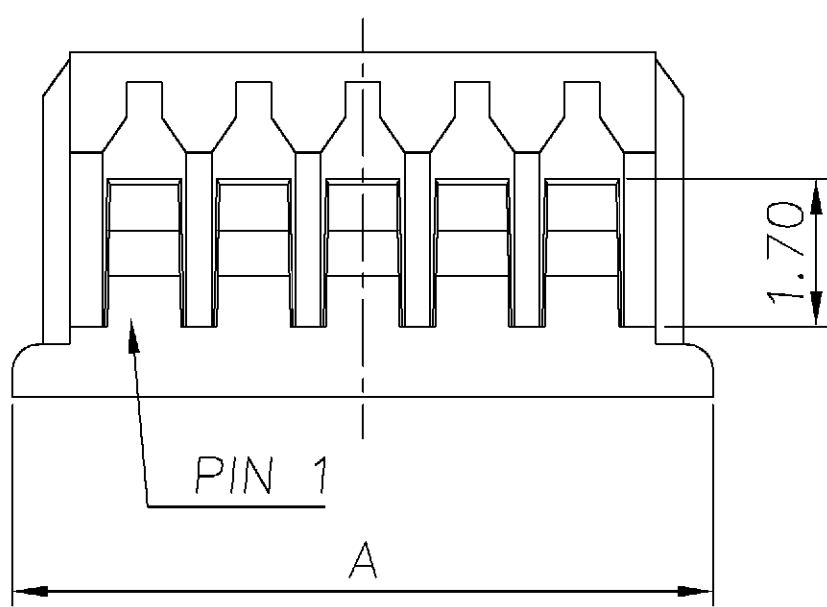
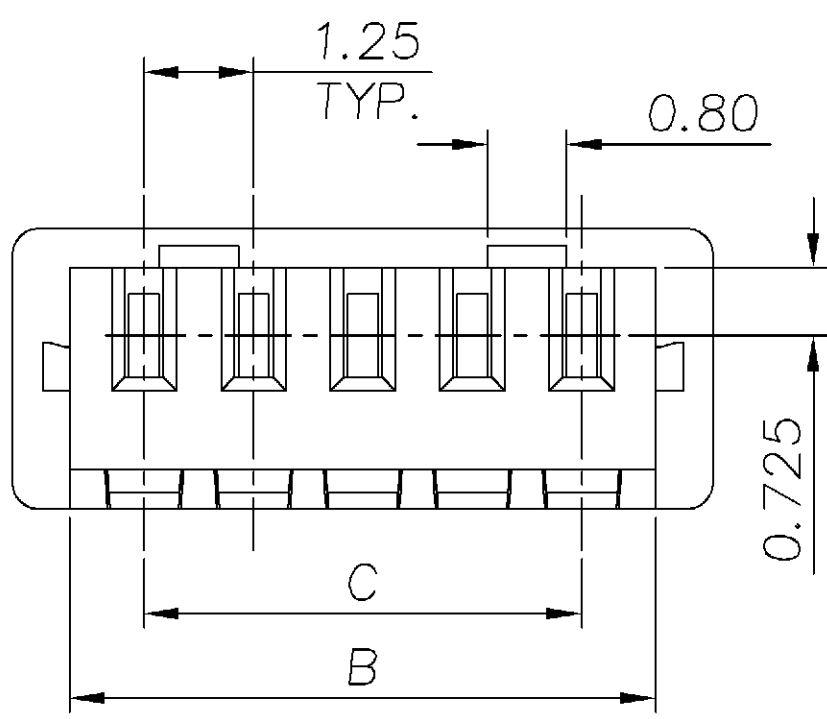
NUMBER  
C-440146

3RD ANGLE PROJECTION

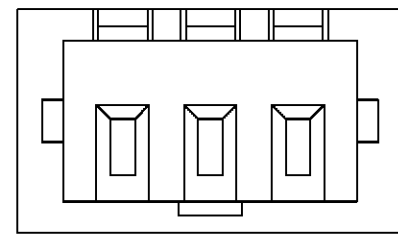
METRIC

DIMENSIONS IN MILLIMETERS. DO NOT SCALE PRINT.

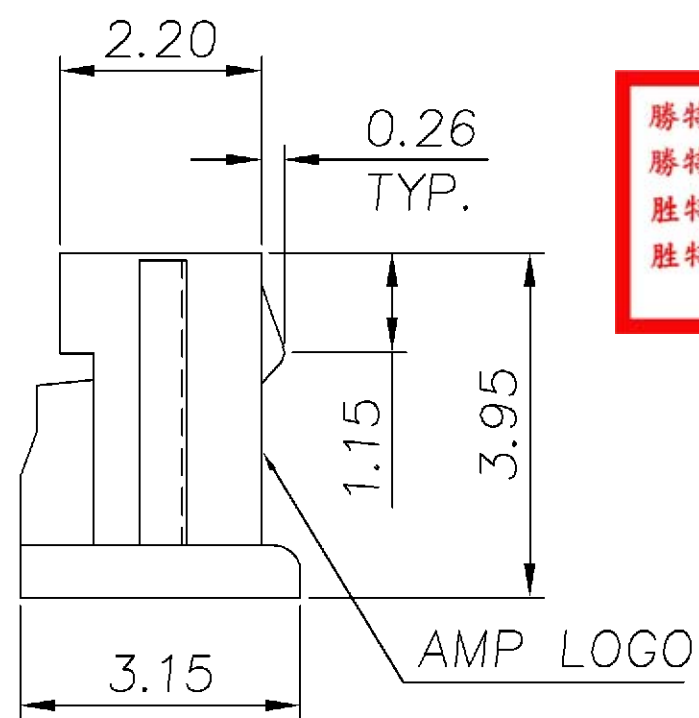
PRINT  
DW



2 POS.



3 POS.



勝特力電材超市-龍山店 886-3-5773766  
 勝特力電材超市-光復店 886-3-5729570  
 勝特力電子(上海) 86-21-34970699  
 勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>

NOTE:  
 1. MATERIAL:  
 HOUSING: THERMOPLASTIC, UL 94V-0,  
 COLOR: NATURAL.  
 2. APPLY TERMINAL PART NO: X-440147-X.

15	20.50	19.20	17.50	1-440146-5
14	19.25	17.95	16.25	1-440146-4
13	18.00	16.70	15.00	1-440146-3
12	16.75	15.45	13.75	1-440146-2
11	15.50	14.20	12.50	1-440146-1
10	14.25	12.95	11.25	1-440146-0
9	13.00	11.70	10.00	440146-9
8	11.75	10.45	8.75	440146-8
7	10.50	9.20	7.50	440146-7
6	9.25	7.95	6.25	440146-6
5	8.00	6.70	5.00	440146-5
4	6.75	5.45	3.75	440146-4
3	5.50	4.20	2.50	440146-3
2	4.25	2.95	1.25	440146-2
POS.	DIMENSIONS			PART NUMBER
	A	B	C	

B1	REVISION RECORD	ECO	REVISOR	RK	HMR	02APR11
LTR	ECO	ECO	DATE	DWN	CHK	

DIMENSION :		DWN		O. HU	
0 PLC	±	29-JUL-2003		29-JUL-2003	
1 PLC	±0.15	CHK		A. WU	
2 PLC	±0.10	29-JUL-2003		29-JUL-2003	
3 PLC	±0.05	APVD		J. CHENG	
ANGLES	±3'	29-JUL-2003		29-JUL-2003	
MATERIAL		PRODUCT SPEC		NAME	
SEE NOTE		108-57225		TE Connectivity	
FINISH		QUALIFICATION TEST REPORT		WIRE TO BOARD SOCKET, HOUSING, 1.25 PITCH.	
SEE NOTE		501-57229		LOC DW	
WEIGHT		SCALE		DRAWING NO	
				C-440146	
				REV B1	
				SHEET 1 OF 2	

8 7 6 5 4 3 2 1 CUSTOMER DRAWING

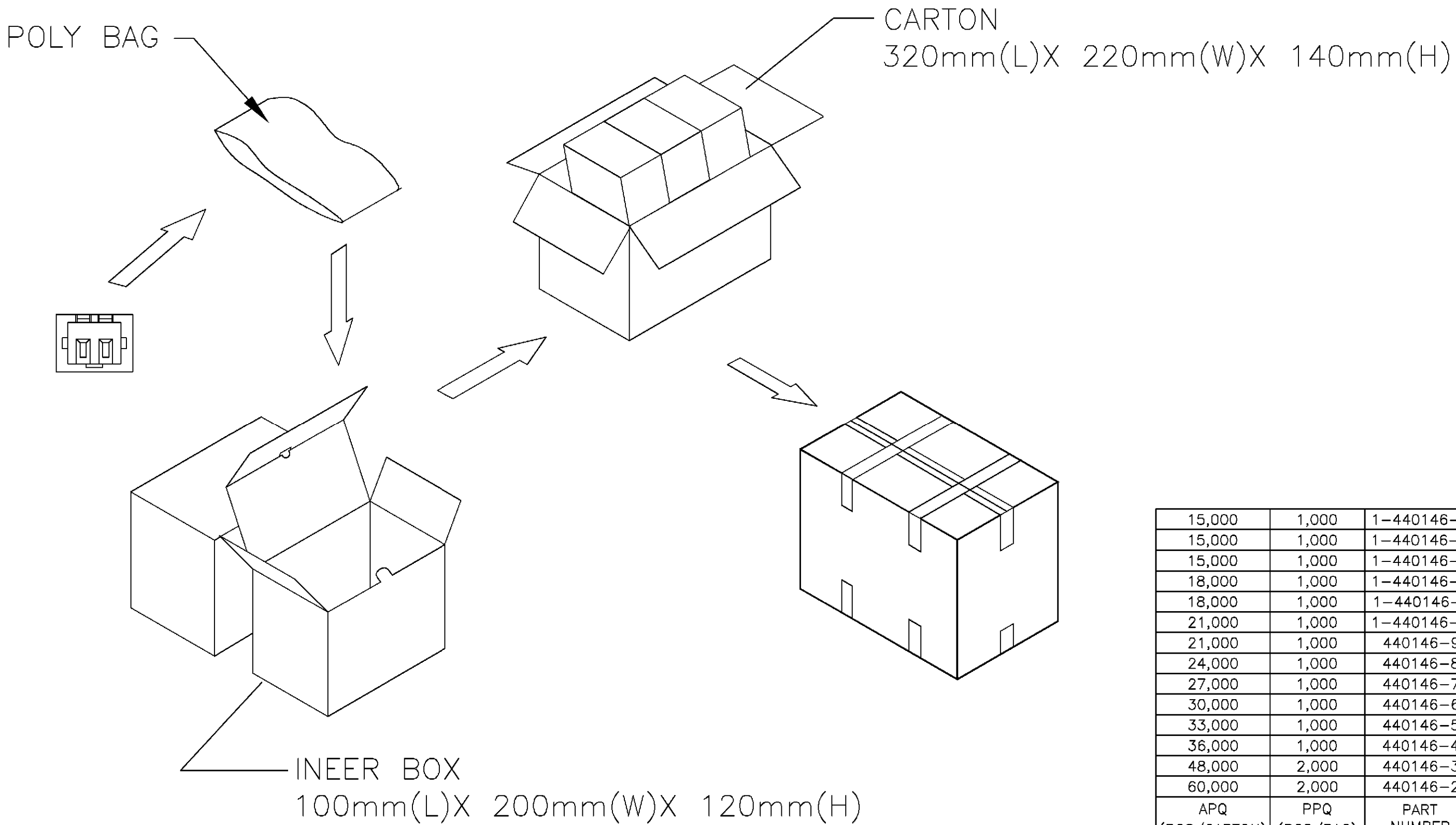
NUMBER  
C-440146

METRIC  
3RD ANGLE PROJECTION

METRIC

DIMENSIONS IN MILLIMETERS. DO NOT SCALE PRINT.

PRINT  
DW



15,000	1,000	1-440146-5
15,000	1,000	1-440146-4
15,000	1,000	1-440146-3
18,000	1,000	1-440146-2
18,000	1,000	1-440146-1
21,000	1,000	1-440146-0
21,000	1,000	440146-9
24,000	1,000	440146-8
27,000	1,000	440146-7
30,000	1,000	440146-6
33,000	1,000	440146-5
36,000	1,000	440146-4
48,000	2,000	440146-3
60,000	2,000	440146-2
APQ (PCS/CARTON)	PPQ (PCS/BAG)	PART NUMBER

DIMENSION : 0 PLC ± 1 PLC ±0.15 2 PLC ±0.10 3 PLC ±0.05 ANGLES ±3°	DWN	O. HU	
	CHK	A. WU	
MATERIAL	APVD	J. CHENG	NAME  WIRE TO BOARD SOCKET, HOUSING, 1.25 PITCH.
	PRODUCT SPEC	29-JUL-2003	
FINISH	QUALIFICATION TEST REPORT	LOC	SIZE
	WEIGHT	DW	DRAWING NO
SEE NOTE	SEE NOTE	SCALE	REV
SEE NOTE	SEE NOTE	SHEET	

LTR	REVISION RECORD	SEE SHEET 1.	ECO	DWN	CHK	DATE
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D  
C  
B  
A

**Pitch 1.25mm,  
Economic Metric Interconnect Series,  
Wire-To-Board System.**

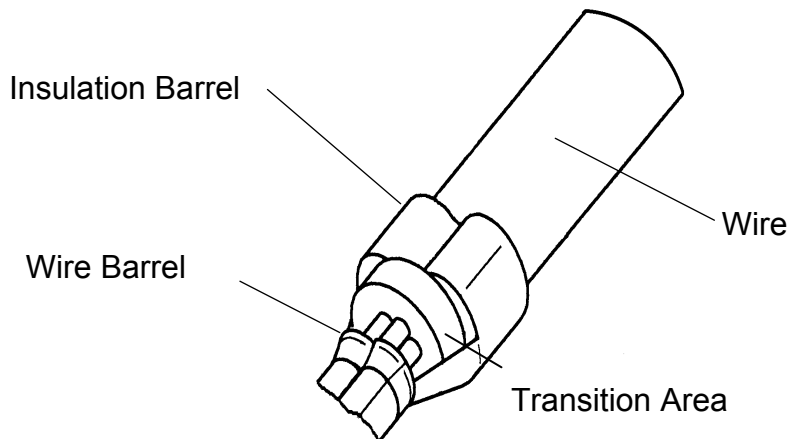
**1. SCOPE**

This specification covers the requirements for crimping of Pitch 1.25mm, Economic Metric Interconnect Series, Crimp Type, Wire-To-Board System Connector. These requirements are applicable to specific tools. For specific wire and products covers in this specification refer to the appropriate Tyco customer drawing.

**2. APPLICABLE PRODUCT**

Contact Form	Product Part Number	Crimping Tool	Wire Size (SQ mm)	Ins. Diameter (mm)
Strip Terminal	X-440147-X	Applicator	0.03 ~ 0.08mm <sup>2</sup> (AWG #32 ~ #28)	$\varphi$ 0.9 ~ $\varphi$ 1.0mm

**3. NOMENCLATURE**



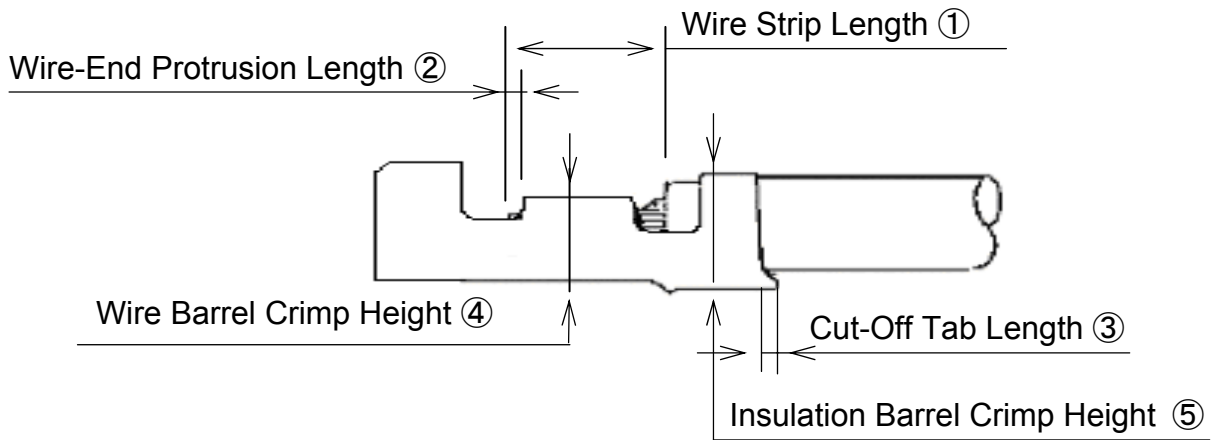
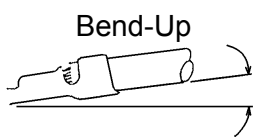
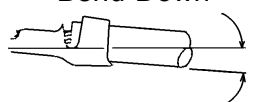
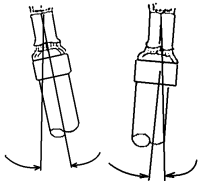
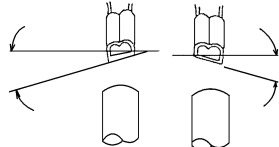


FIG 1.

4. CRIMPING REQUIREMENT

No.	Check Items	Crimping Requirements		Remarks	
		Applicator	Hand Tool		
1	Wire Strip Length	0.9 ~ 1.3 mm		Fig.1 – ①	
2	Wire-End Protrusion Length	0.1 ~ 1.3 mm		Fig.1 – ②	
3	Cut-Off Tab Length	0.0 ~ 0.2 mm		Fig.1 – ③	
4	Wire Barrel Crimp	Refer Table.1		Fig.1 – ④	
5	Insulation Barrel Crimp Height	Refer Table.1		Fig.1 – ⑤	
6	Allowable Deviation after Crimping	 <p>Bend-Up</p>	6° Max.	6° Max.	
7		 <p>Bend-Down</p>	6° Max.	6° Max.	

8		<p style="text-align: center;">Twisting</p> 	5° Max.	5° Max.	
9		<p style="text-align: center;">Rolling</p> 	7° Max.	7° Max.	

**5. CRIMPING DATA**

Table.1

Contact Part Number	Applicator Part Number	Wire Size		Insulation Barrel		Wire Barrel	
		Number of Wire	Size	Crimp Height (A)	Crimp Width (B)	Crimp Height (C)	Crimp Width (D)
X-440147-X	N/A	1	0.08mm <sup>2</sup> (#28)	1.25mm	0.9~1.0mm	0.51~0.56mm	0.80mm
		1	0.05mm <sup>2</sup> (#30)	1.17mm	0.9~1.0mm	0.48~0.53mm	0.80mm
		1	0.03mm <sup>2</sup> (#32)	1.00mm	0.9~1.0mm	0.46~0.51mm	0.80mm

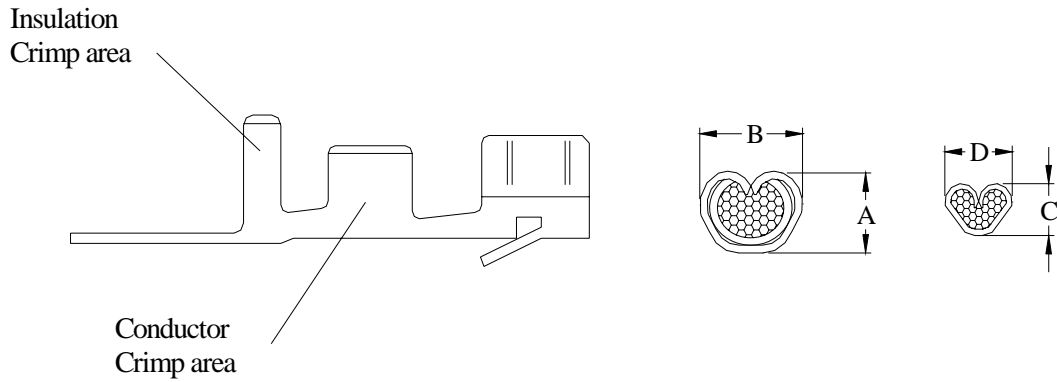


Table.2

Wire Size		Crimp Tensile Strength
MM <sup>2</sup>	AWG#	N (kgf) Min.
0.08	28	14.7 (1.5)
0.05	30	9.80(1.0)
0.03	32	4.90(0.5)

- Note: (a) Tool mark is allowable at crimped areas and transition areas only.  
 (b) The dimensions of crimp width of wire barrel and insulation barrel are the dimensions of crimping tool.