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RELEASED FOR PUBLICATION

- 09JUN2003



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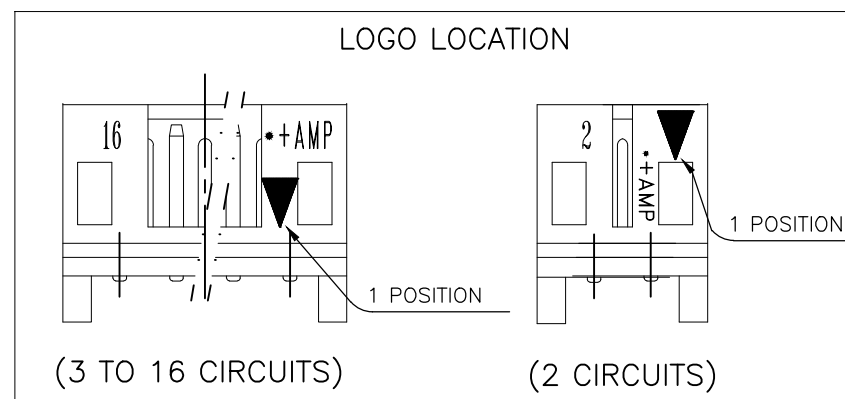
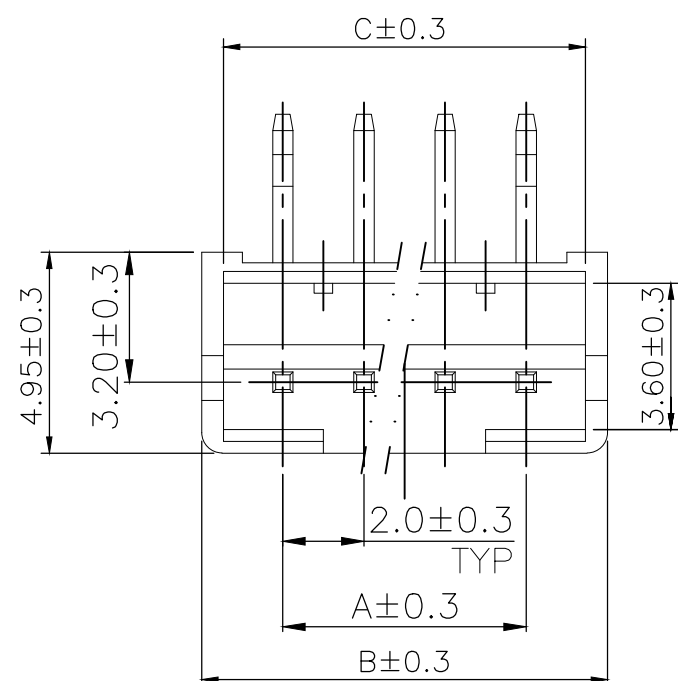
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REVISIONS

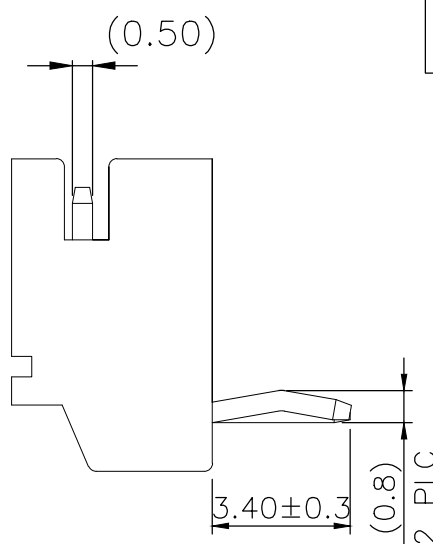
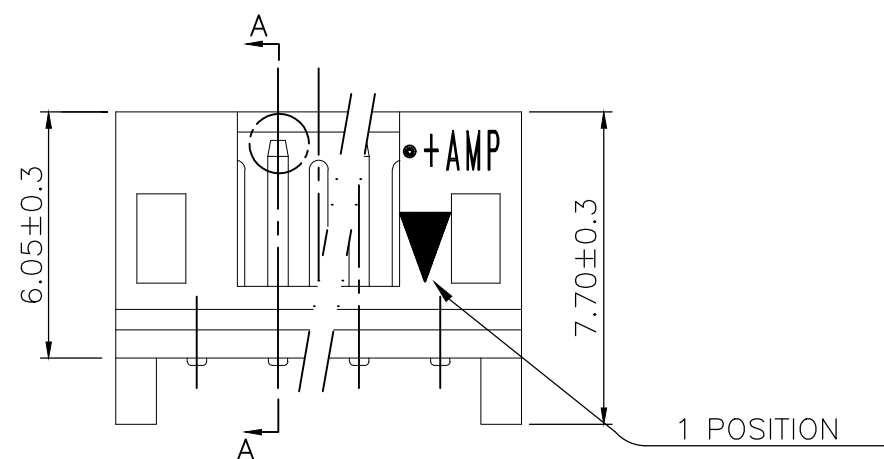
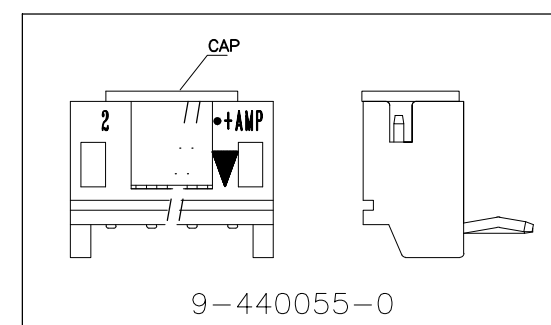
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B4	REVISED ECR-19-006475	29APR2019	T.Q	W.H

NOTE:

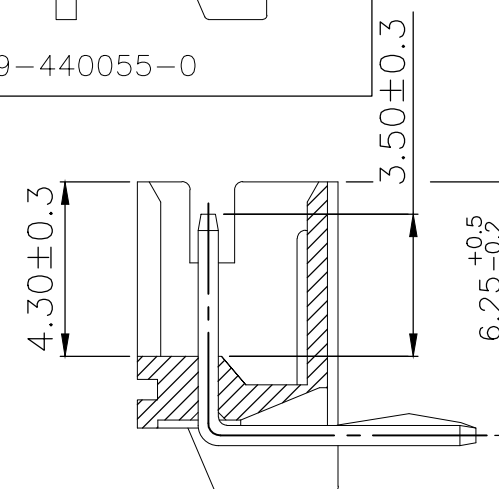
- MATERIAL :
HOUSING : TGERMOPLASTIC UL94V-0
CONTACT : BRASS THICKNESS=0.5mm
- FINISH:
CONTACT : 80u" MIN. TIN PLATED OVER ALL.



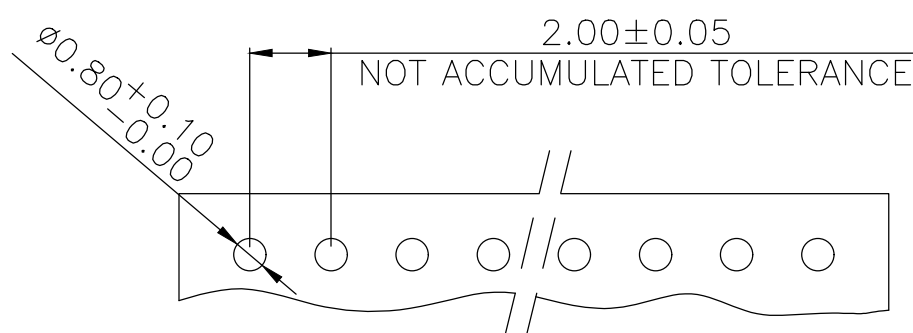
勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>



FOR 3P TO 15P

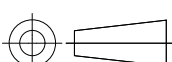


SECTION A-A



RECOMMEND PCB LAYOUT
PCB THK=1.0~1.6

COLOR	DIM C	DIM B	DIM A	POS.	PART NUMBER
GREEN	8.90	10.00	6.00	4P	9-440055-4
RED	24.90	26.00	22.00	12P	9-440055-2
	16.90	18.00	14.00	8P	8-440055-8
	10.90	12.00	8.00	5P	8-440055-5
	8.90	10.00	6.00	4P	8-440055-4
	6.90	8.00	4.00	3P	8-440055-3
BLACK	4.90	6.00	2.00	2P	8-440055-2
	10.90	12.00	8.00	5P	6-440055-5
	8.90	10.00	6.00	4P	6-440055-4
	6.90	8.00	4.00	3P	6-440055-3
	4.90	6.00	2.00	2P	6-440055-2
YELLOW	24.90	26.00	22.00	12P	5-440055-2
	22.90	24.00	20.00	11P	5-440055-1
	20.90	22.00	18.00	10P	5-440055-0
	18.90	20.00	16.00	9P	4-440055-9
	16.90	18.00	14.00	8P	4-440055-8
	14.90	16.00	12.00	7P	4-440055-7
	12.90	14.00	10.00	6P	4-440055-6
	10.90	12.00	8.00	5P	4-440055-5
	8.90	10.00	6.00	4P	4-440055-4
	6.90	8.00	4.00	3P	4-440055-3
BLUE	4.90	6.00	2.00	2P	4-440055-2
	10.90	12.00	8.00	5P	2-440055-5
	8.90	10.00	6.00	4P	2-440055-4
	6.90	8.00	4.00	3P	2-440055-3
	4.90	6.00	2.00	2P	2-440055-2
NATURAL WHITE	20.90	22.00	18.00	10P	9-440055-0
	32.90	34.00	30.00	16P	1-440055-6
	30.90	32.00	28.00	15P	1-440055-5
	28.90	30.00	26.00	14P	1-440055-4
	26.90	28.00	24.00	13P	1-440055-3
	24.90	26.00	22.00	12P	1-440055-2
	22.90	24.00	20.00	11P	1-440055-1
	20.90	22.00	18.00	10P	1-440055-0
	18.90	20.00	16.00	9P	440055-9
	16.90	18.00	14.00	8P	440055-8
	14.90	16.00	12.00	7P	440055-7
	12.90	14.00	10.00	6P	440055-6
	10.90	12.00	8.00	5P	440055-5
	8.90	10.00	6.00	4P	440055-4
	6.90	8.00	4.00	3P	440055-3
	4.90	6.00	2.00	2P	440055-2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN O.HU	09JUN2003	TE Connectivity											
		CHK A.WU	09JUN2003												
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J.CHENG		09JUN2003		NAME							
		0 PLC ± 0.3		PRODUCT SPEC		2.0 MM PITCH HPI RIGHT-ANGLE POST HEADERS									
		1 PLC ± 0.25		108-57100											
		2 PLC ± 0.15		APPLICATION SPEC											
		3 PLC ± 0.05		—		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
		4 PLC ± — ± —		ANGLES		A3		00779		C-440055		—			
MATERIAL —		FINISH —		WEIGHT —											
CUSTOMER DRAWING										SCALE		SHEET		REV	
										1:1		1 OF 3		B4	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

D

D

C

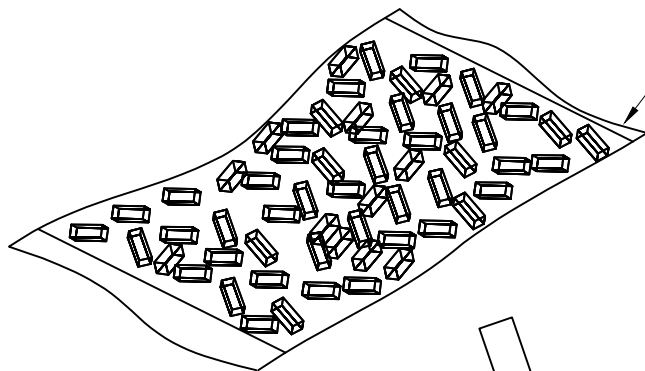
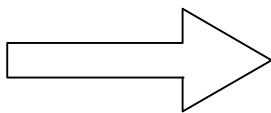
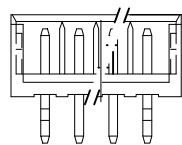
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B

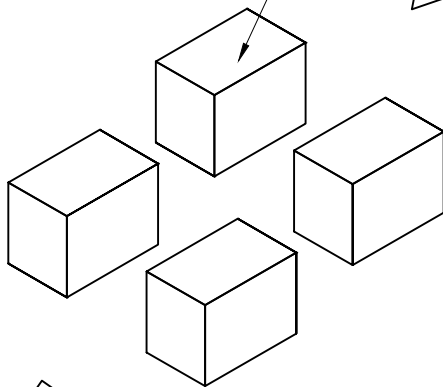
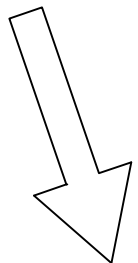
B

A

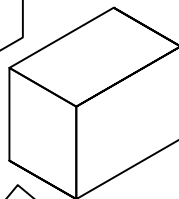
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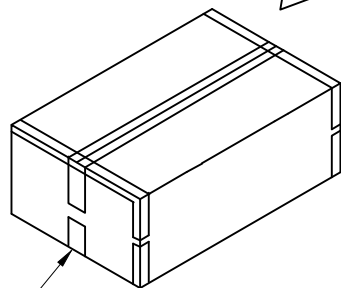
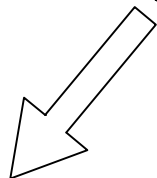
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127mm(L)X 203mm(W)X 0.07mm(H)



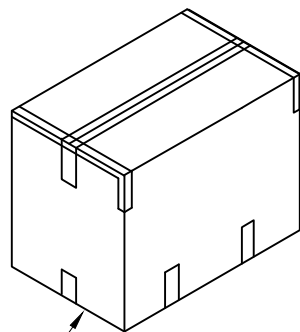
INEER BOX
320mm(L)X 220mm(W)X 140mm(H)



INEER BOX
320mm(L)X 220mm(W)X 140mm(H)

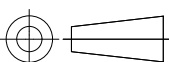


CARTON
340mm(L)X 470mm(W)X 168mm(H)
(FOR HEADER 2P~5P ONLY)

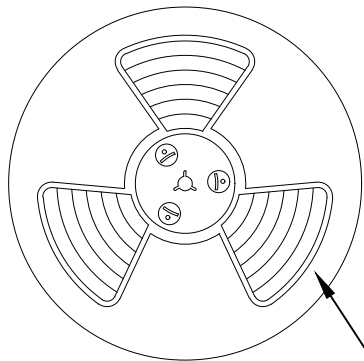
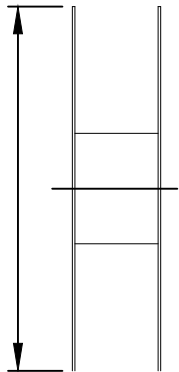
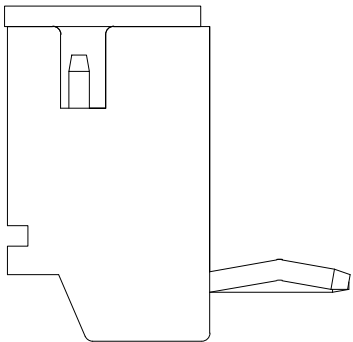
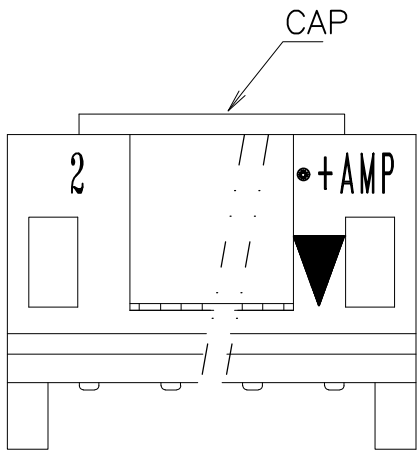


CARTON
340mm(L)X 470mm(W)X 316mm(H)
(FOR HEADER 6P~16P ONLY)

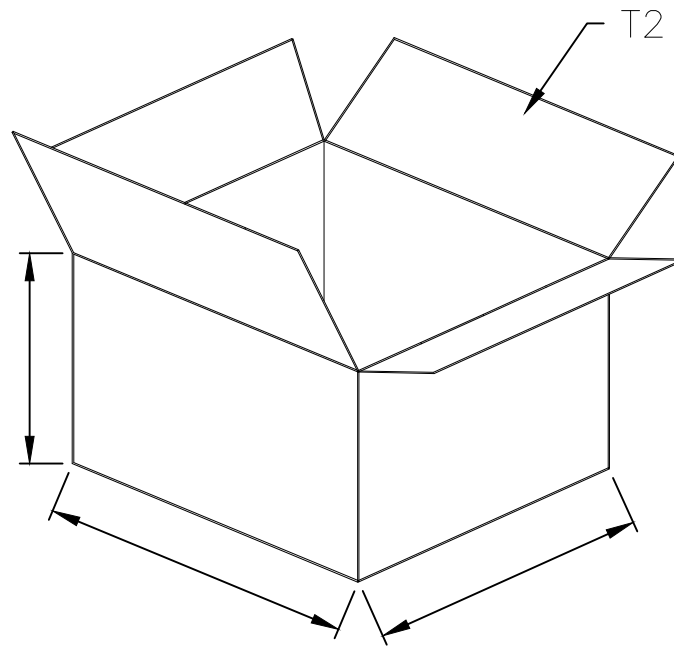
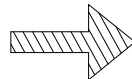
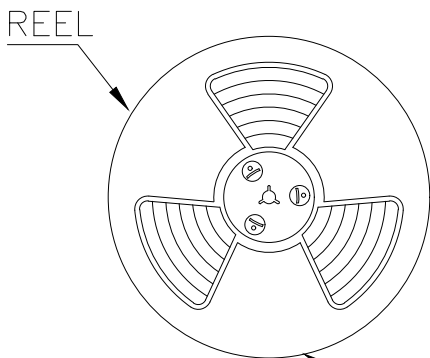
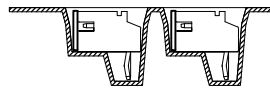
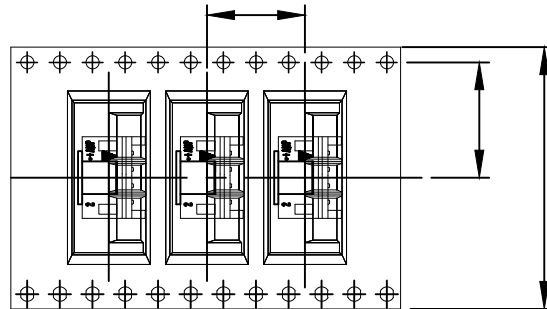
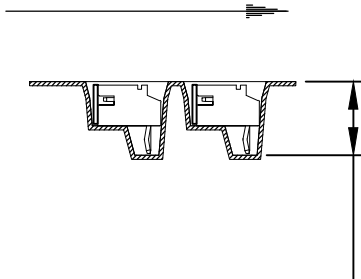
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19,200	300	8P	8-440055-8
14,400	450	5P	8-440055-5
17,600	550	4P	8-440055-4
24,000	1,000	3P	8-440055-3
32,000	1,000	2P	8-440055-2
14,400	450	5P	6-440055-5
17,600	550	4P	6-440055-4
24,000	1,000	3P	6-440055-3
32,000	1,000	2P	6-440055-2
12,800	200	12P	5-440055-2
14,000	250	11P	5-440055-1
14,000	250	10P	5-440055-0
16,800	300	9P	4-440055-9
19,200	300	8P	4-440055-8
22,400	350	7P	4-440055-7
25,600	400	6P	4-440055-6
14,400	450	5P	4-440055-5
17,600	550	4P	4-440055-4
24,000	1,000	3P	4-440055-3
32,000	1,000	2P	4-440055-2
14,400	450	5P	2-440055-5
17,600	550	4P	2-440055-4
24,000	1,000	3P	2-440055-3
32,000	1,000	2P	2-440055-2
10,080	180	16P	1-440055-6
10,800	180	15P	1-440054-5
10,400	200	14P	1-440055-4
9,600	200	13P	1-440055-3
12,800	200	12P	1-440055-2
14,000	250	11P	1-440055-1
14,000	250	10P	1-440055-0
16,800	300	9P	440055-9
19,200	300	8P	440055-8
22,400	350	7P	440055-7
25,600	400	6P	440055-6
14,400	450	5P	440054-5
17,600	550	4P	440055-4
24,000	1,000	3P	440055-3
32,000	1,000	2P	440055-2
APQ (PCS/CARTON)	PPQ (PCS/BAG)	POS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN O.HU	09JUN2003	 TE Connectivity				
		CHK A.WU	09JUN2003					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J.CHENG	09JUN2003	NAME		
		0 PLC ± 0.3 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.05 4 PLC ± — ANGLES ± —		PRODUCT SPEC 108-57100		2.0 MM PITCH HPI RIGHT-ANGLE POST HEADERS		
				APPLICATION SPEC —				
MATERIAL —		FINISH —		WEIGHT —	SIZE A3	CAGE CODE 00779	DRAWING NO C-440055	RESTRICTED TO —
CUSTOMER DRAWING					SCALE 1:1	SHEET 2 OF 3	REV B4	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



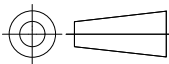
PULL OUT DIRECTION



POS	B(mm)	PCS./REEL	PCS/CARTON-T2
10P	44	600 PCS.	600X4=2400PCS

NOTE:
9-440055-0 10POS WAVE SOLDER PART CAP TYPE.

2400	600	10P	9-440055-0
APQ	PPQ	POS.	PART NUMBER
(PCS/CARTON)	(PCS/REEL)		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN O.HU	09JUN2003	TE Connectivity			
DIMENSIONS: mm		CHK A.WU	09JUN2003				
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J.CHENG	NAME			
	0 PLC ± 0.3 1 PLC ± 0.25 2 PLC ± 0.15 3 PLC ± 0.05 4 PLC ± — ANGLES ± —		PRODUCT SPEC 108-57100	2.0 MM PITCH HPI RIGHT-ANGLE POST HEADERS			
			APPLICATION SPEC —	SIZE	CAGE CODE	DRAWING NO	
	MATERIAL —		WEIGHT —	A3	00779	C-440055	
		CUSTOMER DRAWING			SCALE 1:1	SHEET 3 of 3	REV B4

1. Scope :

This specification covers the requirements for crimping of 2.0mm pitch HPI (High Performance Interconnect Wire-To-Board System) Connector (Crimp Type) for applicator and manually operated hand tool.

2. Applicable Connectors

Contact Form	Product Part Number	Crimping Tool	Wire Size (SQ mm)	Ins. Diameter (mm)
Strip Terminal	440132-1 1735801-1	Applicator	0.05 ~ 0.22mm ² (AWG #30 ~ #24)	φ0.9 ~ φ1.5mm

3. Nomenclature

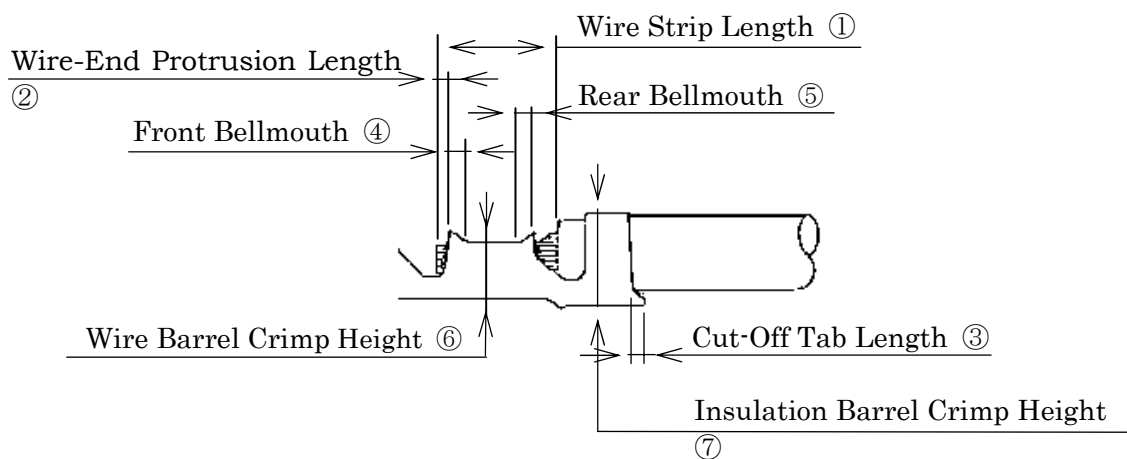
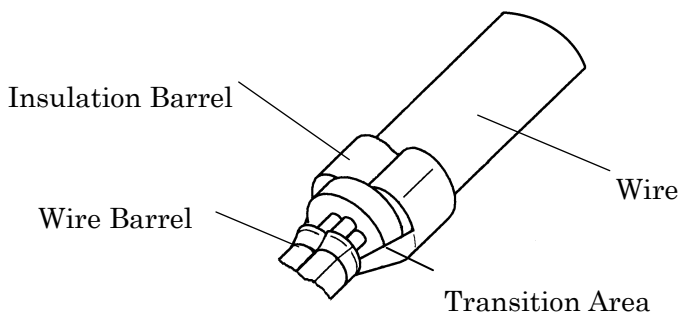
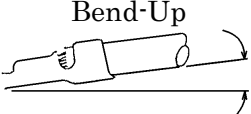
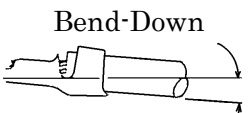
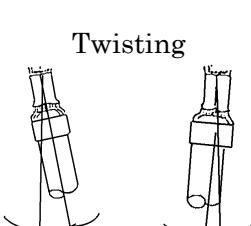
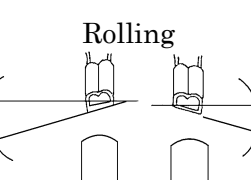


Fig.1

4. Crimping Requirement

No.	Check Items		Crimping Requirements		Remarks
			Applicator	Hand Tool	
1	Wire Strip Length		1.9 ~ 2.5 mm		Fig.1-①
2	Wire-End Protrusion Length		0.3 ~ 0.6 mm		Fig.1-②
3	Cut-Off Tab Length		0 ~ 0.5 mm		Fig.1-③
4	Bellmouth	Front	Front bellmouth can be visible.		Fig.1-④
		Rear	0.1 ~ 0.3 mm		Fig.1-⑤
5	Wire Barrel Crimp		Refer Table.1		Fig.1-⑥
6	Insulation Barrel		1.7 mm Max. (Measure by Insulation Barrel area)		Fig.1-⑦
7	Insulation Barrel Crimp Height		Refer Table.1		Fig.1-⑧
8	Allowable Deviation after Crimping		6° Max.	6° Max.	
9			6° Max.	6° Max.	
10			5° Max.	5° Max.	
11			7° Max.	7° Max.	

Tool mark is allowable at crimped areas and transition areas only.

5. Crimping Data

Table.1

Contact Part Number	Applicator Part Number	Wire Size		Insulation Strip Length	Wire Barrel		Insulation Barrel	Finished Insulation Diameter
		Number of Wire	Size		Crimp Width	Crimp Height	Crimp Height	
440132-1 1735801-1	1463116-2	1	0.22mm ² (#24)	1.9~ 2.5mm	1.32mm "F"	0.62~0.67mm	1.7mm Max.	φ0.9mm }
		1	0.14mm ² (#26)			0.57~0.62mm		
		1	0.08mm ² (#28)			0.55~0.60mm		φ1.5mm
		1	0.05mm ² (#30)			0.52~0.57mm		

Table.2

Wire Size		Crimp Tensile Strength
mm ²	AWG	N (kgf) Min.
0.22	24	29.4 (3.0)
0.14	26	19.6 (2.0)
0.08	28	9.8 (1.0)
0.05	30	7.8 (0.8)

Note

- 1.Tool mark is allowable at crimped areas and transition areas only.
- 2.The dimensions of crimp width of wire barrel and insulation barrel are the dimensions of crimping tool.

6. Example of Applicable wire

Table.3

Wire Size	Insulation Diameter (mm)	Applicable Wire
AWG#30~24	0.9~1.5	UL-1007

All wires, including the above mentioned, need to be approved prior to usage.

7. Validation

Prepared by :
Jerry Cheng

Reviewed by :
Kubouchi Shigeru

Approved by :
Jebb Wu

C	Revised	24-AUG-11			
B	Revised (FW00-0017-01)	19-FEB-01			
A	Revised (FW00-0092-00)	27-NOV-00			
O	Released (FW00-0059-00)	27-OCT-00			
LTR	Revision Record	Date	Prepared.by	Reviwed by	Approved by