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REVISIONS

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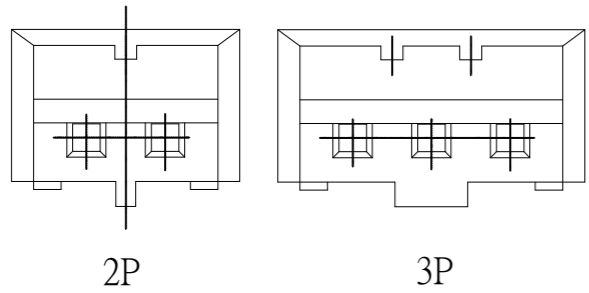
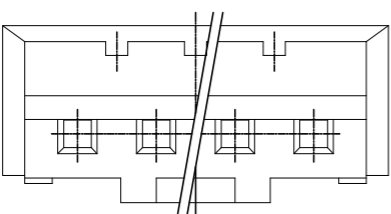
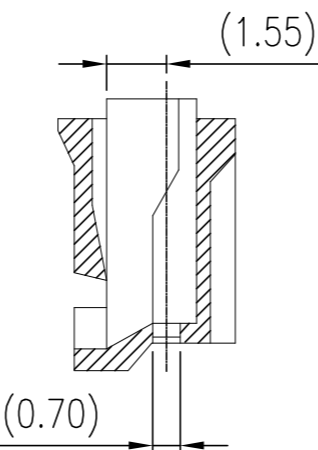
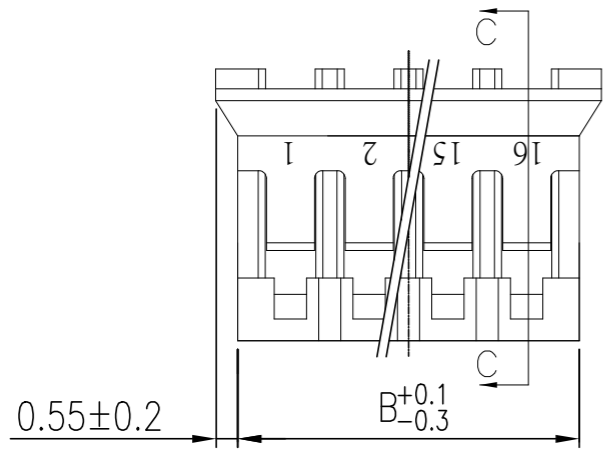
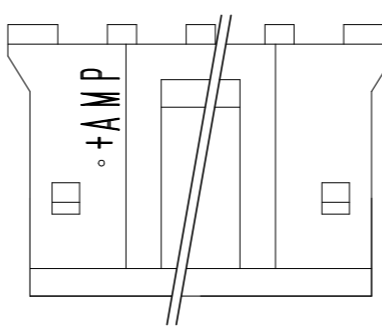
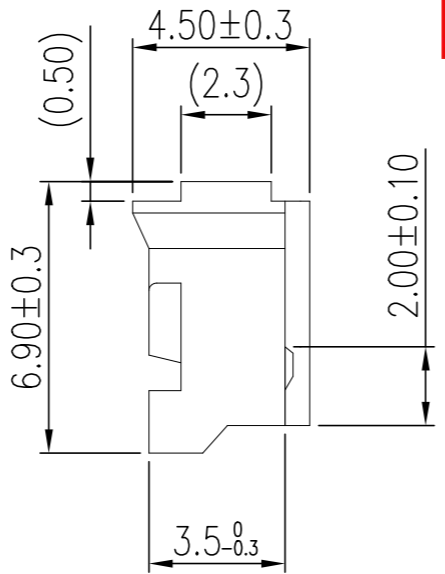
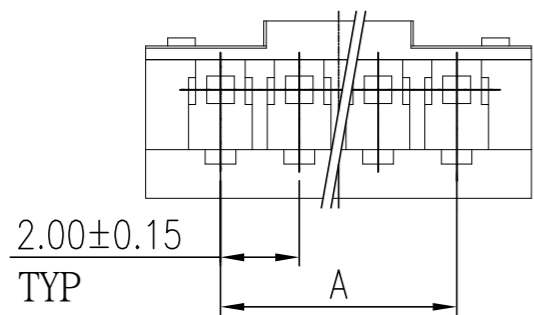
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P	LTR	DESCRIPTION	DATE	DWN	APVD
D5		ECR-19-006475	29APR19	T.Q	W.H

NOTES:

- 1. MATERIAL:  
HOUSING: THERMOPLASTIC, UL94V-0, COLOR:SEE TABLE.

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>



COLOR	B	A	POS	PART NUMBER	COLOR	B	A	POS	PART NUMBER
RED	24.80	22.00	12P	8-440129-1	RED	10.70	8.00	5P	7-440129-5
RED	16.80	14.00	8P	8-440129-8	RED	22.80	20.00	11P	9-440129-1
					RED	10.70	8.00	5P	9-440129-5
					RED	8.70	6.00	4P	9-440129-4
					RED	6.70	4.00	3P	9-440129-3
					RED	10.70	8.00	5P	8-440129-5
					RED	8.70	6.00	4P	8-440129-4
					RED	6.70	4.00	3P	8-440129-3
					RED	4.70	2.00	2P	8-440129-2
					BLACK	10.70	8.00	5P	6-440129-5
					BLACK	8.70	6.00	4P	6-440129-4
					BLACK	6.70	4.00	3P	6-440129-3
					BLACK	4.70	2.00	2P	6-440129-2
					YELLOW	24.80	22.00	12P	5-440129-2
					YELLOW	22.80	20.00	11P	5-440129-1
					YELLOW	20.80	18.00	10P	5-440129-0
					YELLOW	18.80	16.00	9P	4-440129-9
					YELLOW	16.80	14.00	8P	4-440129-8
					YELLOW	14.80	12.00	7P	4-440129-7
					YELLOW	12.70	10.00	6P	4-440129-6
					YELLOW	10.70	8.00	5P	4-440129-5
					YELLOW	8.70	6.00	4P	4-440129-4
					YELLOW	6.70	4.00	3P	4-440129-3
					YELLOW	4.70	2.00	2P	4-440129-2
					BLUE	10.70	8.00	5P	2-440129-5
					BLUE	8.70	6.00	4P	2-440129-4
					BLUE	6.70	4.00	3P	2-440129-3
					BLUE	4.70	2.00	2P	2-440129-2
					NATURAL	32.80	30.00	16P	1-440129-6
					NATURAL	30.80	28.00	15P	1-440129-5
					NATURAL	28.80	26.00	14P	1-440129-4
					NATURAL	26.80	24.00	13P	1-440129-3
					NATURAL	24.80	22.00	12P	1-440129-2
					NATURAL	22.80	20.00	11P	1-440129-1
					NATURAL	20.80	18.00	10P	1-440129-0
					NATURAL	18.80	16.00	9P	440129-9
					NATURAL	16.80	14.00	8P	440129-8
					NATURAL	14.80	12.00	7P	440129-7
					NATURAL	12.70	10.00	6P	440129-6
					NATURAL	10.70	8.00	5P	440129-5
					NATURAL	8.70	6.00	4P	440129-4
					NATURAL	6.70	4.00	3P	440129-3
					NATURAL	4.70	2.00	2P	440129-2

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DWN Tommy Qian 17OCT2018  
 CHK Wenke He 17OCT2018  
 APVD Wenke He 17OCT2018

TE Connectivity Ltd.

2.0MM PITCH HPI CRIMP HOUSING

SIZE A3 CAGE CODE 00779 DRAWING NO C=440129 RESTRICTED TO

CUSTOMER DRAWING SCALE 1:1 SHEET 1 OF 2 REV D5

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
0 PLC	± 0.3
1 PLC	± 0.25
2 PLC	± 0.15
3 PLC	± 0.05
4 PLC	± -
ANGLES	± -

MATERIAL	FINISH
-	-

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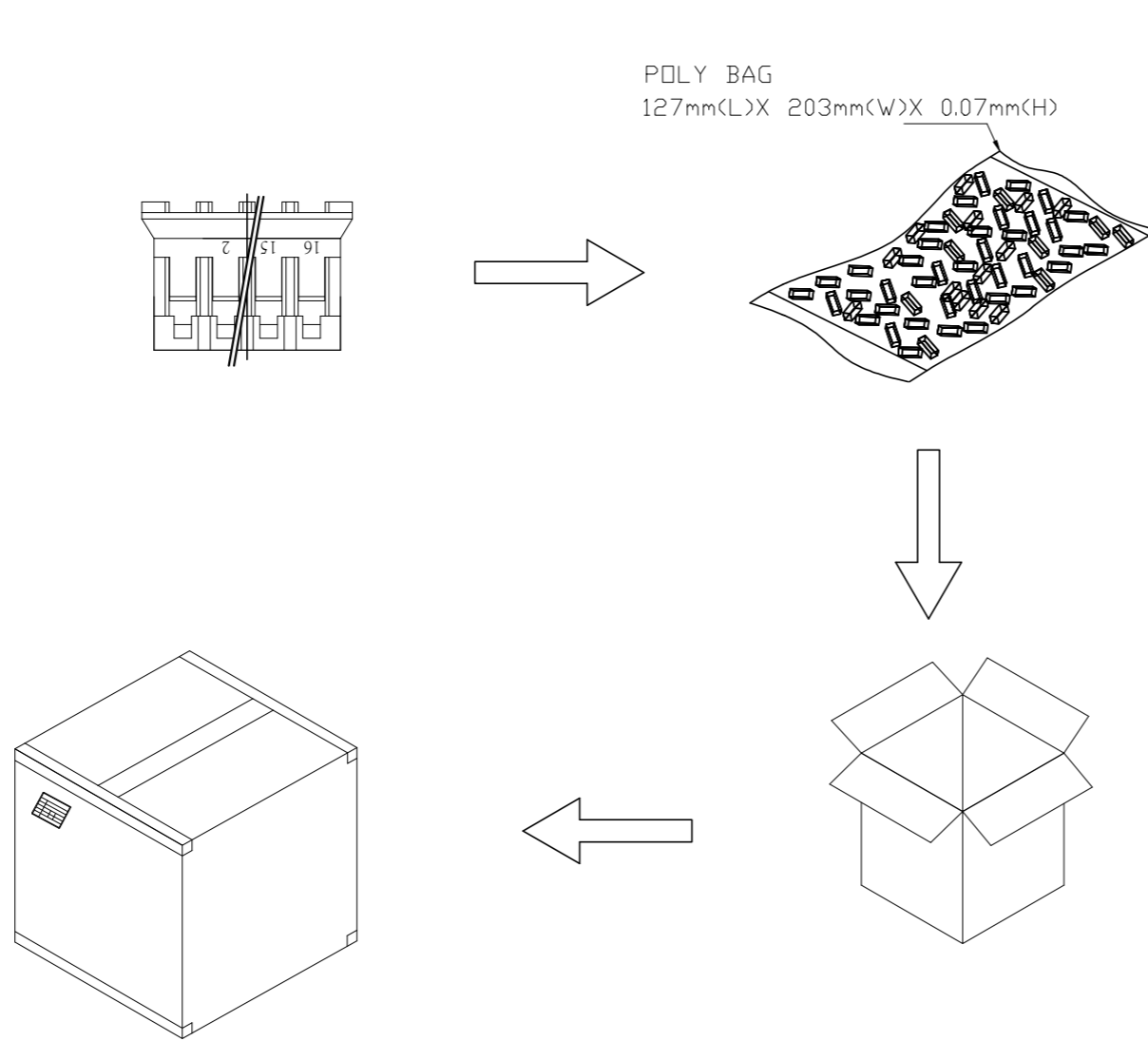
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P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

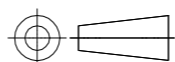


PCS/CARTON	PCS/BAG	POS	PART NUMBER	PCS/CARTON	PCS/BAG	POS	PART NUMBER
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35,000	1,000	11P	9-440129-1	35,000	1,000	11P	9-440129-1
15,000	1,000	5P	9-440129-5	15,000	1,000	5P	9-440129-5
36,000	2,000	4P	9-440129-4	36,000	2,000	4P	9-440129-4
20,000	1,000	3P	9-440129-3	20,000	1,000	3P	9-440129-3
15,000	1,000	5P	8-440129-5	15,000	1,000	5P	8-440129-5
18,000	1,000	4P	8-440129-4	18,000	1,000	4P	8-440129-4
30,000	1,000	12P	8-440129-1	30,000	1,000	12P	8-440129-1
50,000	1,000	8P	8-440129-8	50,000	1,000	8P	8-440129-8
20,000	1,000	3P	8-440129-3	20,000	1,000	3P	8-440129-3
36,000	2,000	2P	8-440129-2	36,000	2,000	2P	8-440129-2
15,000	1,000	5P	6-440129-5	15,000	1,000	5P	6-440129-5
18,000	1,000	4P	6-440129-4	18,000	1,000	4P	6-440129-4
20,000	1,000	3P	6-440129-3	20,000	1,000	3P	6-440129-3
36,000	2,000	2P	6-440129-2	36,000	2,000	2P	6-440129-2
30,000	1,000	12P	5-440129-2	30,000	1,000	12P	5-440129-2
35,000	1,000	11P	5-440129-1	35,000	1,000	11P	5-440129-1
40,000	1,000	10P	5-440129-0	40,000	1,000	10P	5-440129-0
45,000	1,000	9P	4-440129-9	45,000	1,000	9P	4-440129-9
50,000	1,000	8P	4-440129-8	50,000	1,000	8P	4-440129-8
10,000	1,000	7P	4-440129-7	10,000	1,000	7P	4-440129-7
12,000	1,000	6P	4-440129-6	12,000	1,000	6P	4-440129-6
15,000	1,000	5P	4-440129-5	15,000	1,000	5P	4-440129-5
18,000	1,000	4P	4-440129-4	18,000	1,000	4P	4-440129-4
20,000	1,000	3P	4-440129-3	20,000	1,000	3P	4-440129-3
36,000	2,000	2P	4-440129-2	36,000	2,000	2P	4-440129-2
15,000	1,000	5P	2-440129-5	15,000	1,000	5P	2-440129-5
18,000	1,000	4P	2-440129-4	18,000	1,000	4P	2-440129-4
20,000	1,000	3P	2-440129-3	20,000	1,000	3P	2-440129-3
45,000	1,000	9P	2-440129-9	45,000	1,000	9P	2-440129-9
50,000	1,000	8P	2-440129-8	50,000	1,000	8P	2-440129-8
25,000	1,000	16P	1-440129-6	25,000	1,000	16P	1-440129-6
25,000	1,000	15P	1-440129-5	25,000	1,000	15P	1-440129-5
25,000	1,000	14P	1-440129-4	25,000	1,000	14P	1-440129-4
30,000	1,000	13P	1-440129-3	30,000	1,000	13P	1-440129-3
30,000	1,000	12P	1-440129-2	30,000	1,000	12P	1-440129-2
35,000	1,000	11P	1-440129-1	35,000	1,000	11P	1-440129-1
40,000	1,000	10P	1-440129-0	40,000	1,000	10P	1-440129-0
45,000	1,000	9P	440129-9	45,000	1,000	9P	440129-9
50,000	1,000	8P	440129-8	50,000	1,000	8P	440129-8
10,000	1,000	7P	440129-7	10,000	1,000	7P	440129-7
12,000	1,000	6P	440129-6	12,000	1,000	6P	440129-6
15,000	1,000	5P	440129-5	15,000	1,000	5P	440129-5
18,000	1,000	4P	440129-4	18,000	1,000	4P	440129-4
20,000	1,000	3P	440129-3	20,000	1,000	3P	440129-3
36,000	2,000	2P	440129-2	36,000	2,000	2P	440129-2

CARTON  
320mm(L)x220mm(W)x140mm(H)  
(FOR HEADER 2P~5P ONLY)  
340mm(L)x470mm(W)x316mm(H)  
(FOR HEADER 6P~16P ONLY)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± 0.3
1 PLC	± 0.25
2 PLC	± 0.15
3 PLC	± 0.05
4 PLC	± -
ANGLES	± -

MATERIAL

FINISH

DWN Tommy Qian 17OCT2018  
CHK Wenke He 17OCT2018  
APVD Wenke He 17OCT2018



PRODUCT SPEC

NAME  
2.0MM PITCH HPI  
CRIMP HOUSING

APPLICATION SPEC

RESTRICTED TO

WEIGHT

SIZE A3 CAGE CODE 00779 DRAWING NO. C=440129

CUSTOMER DRAWING SCALE 1:1 SHEET 2 OF 2 REV D5

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 <sup>2</sup> (AWG #30 ~ #24)	φ0.9 ~ φ1.5mm

3. Nomenclature

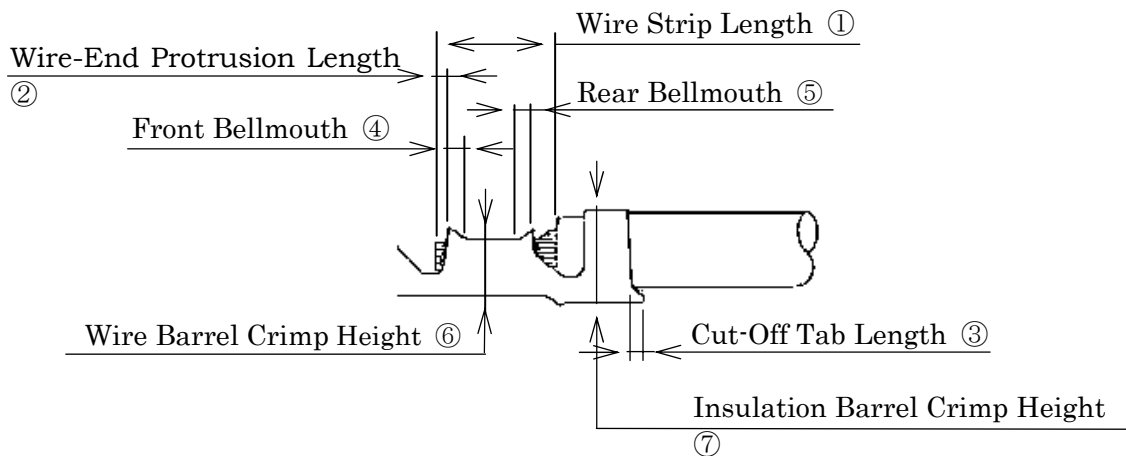
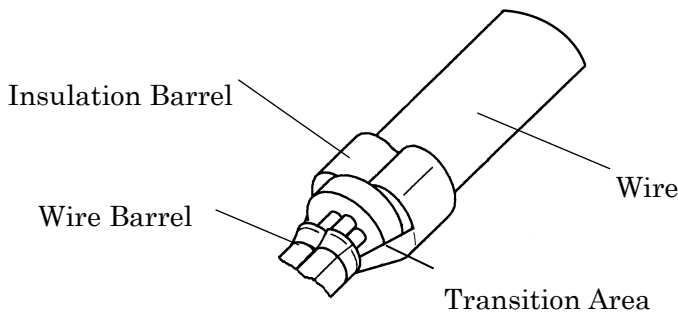
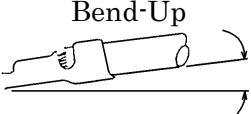
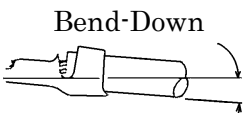
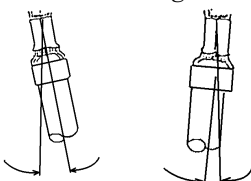
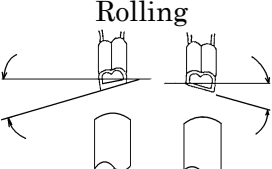


Fig.1

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 <sup>2</sup> (#24)	1.9~ 2.5mm	1.32mm "F"	0.62~0.67mm	1.7mm Max.	φ0.9mm ~ φ1.5mm
		1	0.14mm <sup>2</sup> (#26)			0.57~0.62mm		
		1	0.08mm <sup>2</sup> (#28)			0.55~0.60mm		
		1	0.05mm <sup>2</sup> (#30)			0.52~0.57mm		

Table.2

Wire Size		Crimp Tensile Strength
mm <sup>2</sup>	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