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LOC
DW

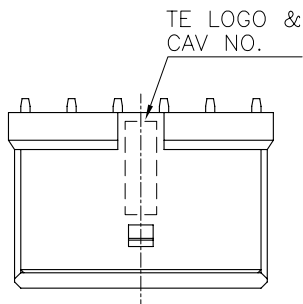
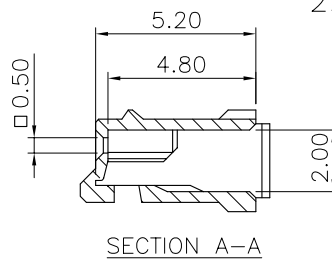
DIST

REVISIONS

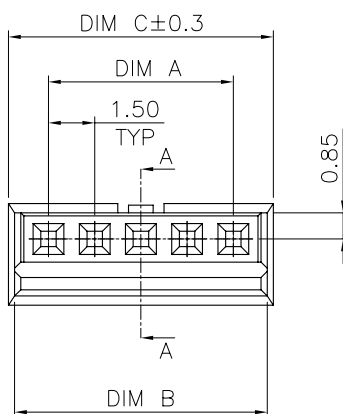
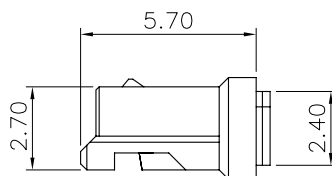
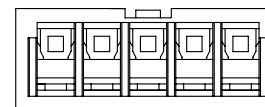
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED (ECR-11-024441)	02DEC11	JL	WK

NOTES:

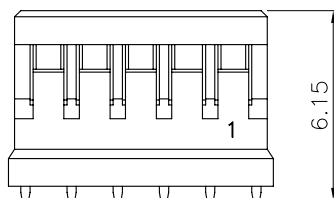
- MATERIALS:
HOUSING: THERMOPLASTIC, UL 94-V0, COLOR: NATURAL.
- APPLY TERMINAL PART NO: 1775442-1.



勝特力電材超市-龍山店 886-3-5773766
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23.60	23.20	21.00	15	1-1775441-5
22.10	21.70	19.50	14	1-1775441-4
20.60	20.20	18.00	13	1-1775441-3
19.10	18.70	16.50	12	1-1775441-2
17.60	17.20	15.00	11	1-1775441-1
16.10	15.70	13.50	10	1-1775441-0
14.60	14.20	12.00	9	1775441-9
13.10	12.70	10.50	8	1775441-8
11.60	11.20	9.00	7	1775441-7
10.10	9.70	7.50	6	1775441-6
8.60	8.20	6.00	5	1775441-5
7.10	6.70	4.50	4	1775441-4
5.60	5.20	3.00	3	1775441-3
4.10	3.70	1.50	2	1775441-2
C	B	A	POS.	PART NUMBER



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. LAI 19AUG2009	TE Connectivity	
DIMENSIONS: MM		CHK S. CHIEN 19AUG2009	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W. KODAMA 19AUG2009	EMIX CONN., 1.5mm PITCH RCPT, HOUSING	
0 PLC ± -		PRODUCT SPEC	SIZE	
1 PLC ± 0.25		108-57631	CAGE CODE	
2 PLC ± 0.15		QUALIFICATION TEST REPORT	DRAWING NO	
3 PLC ± 0.10		501-57736	RESTRICTED TO	
4 PLC ± -		WEIGHT	A3 00779 C=1775441	
ANGLES ± 3°		501-57736	SCALE	
MATERIAL SEE NOTE	FINISH SEE NOTE	CUSTOMER DRAWING	SHEET 1 OF 2	
				REV B

4

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

SEE SHEET 1.

POLY BAG

CARTON

200mm(L)X 100 mm(W)X 120mm(H)

8,000	1,000	15	1-1775441-5
8,000	1,000	14	1-1775441-4
8,000	1,000	13	1-1775441-3
10,000	1,000	12	1-1775441-2
10,000	1,000	11	1-1775441-1
10,000	1,000	10	1-1775441-0
12,000	1,000	9	1775441-9
12,000	1,000	8	1775441-8
12,000	1,000	7	1775441-7
12,000	1,000	6	1775441-6
12,000	1,000	5	1775441-5
12,000	1,000	4	1775441-4
12,000	1,000	3	1775441-3
12,000	1,000	2	1775441-2
APQ (PCS/CARTON)	PPQ (PCS/BAG)	POS.	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

DIMENSIONS:

MM

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	± .
1 PLC	± .
2 PLC	± .
3 PLC	± .
4 PLC	± .
ANGLES	± .

MATERIAL

FINISH

NAME

EMIX CONN., 1.5mm PITCH RCPT, HOUSING

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=1775441

SCALE

SHEET

2 OF 2

REV

B

**EMIX1.50mm Pitch,
Economic Metric Interconnect Series,
Wire-To-Board System.**

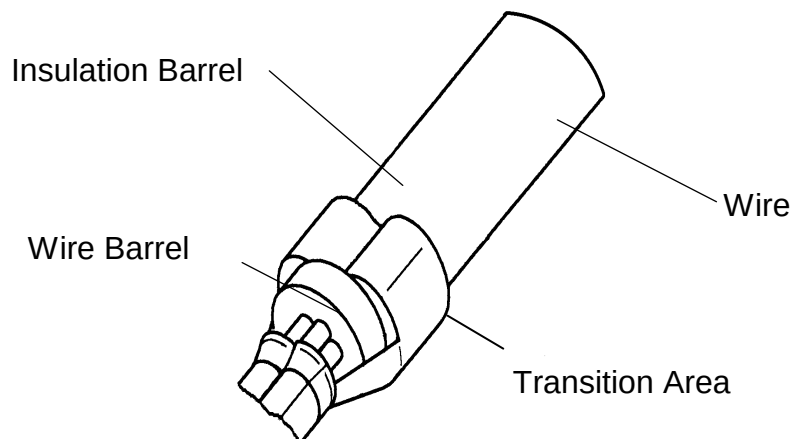
1. SCOPE

This specification covers the requirements for crimping of **EMIX1.50mm Pitch, Economic Metric Interconnect Series, 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-1775442-X	Applicator	0.05 ~ 0.2mm ² (AWG #30 ~ #24)	φ 0.9 ~ φ 1.5mm

3. NOMENCLATURE



DR	DATE	APVD	DATE
Oblic Hu	01-Feb-2007	Wei-Jer Ke	01-Feb-2007

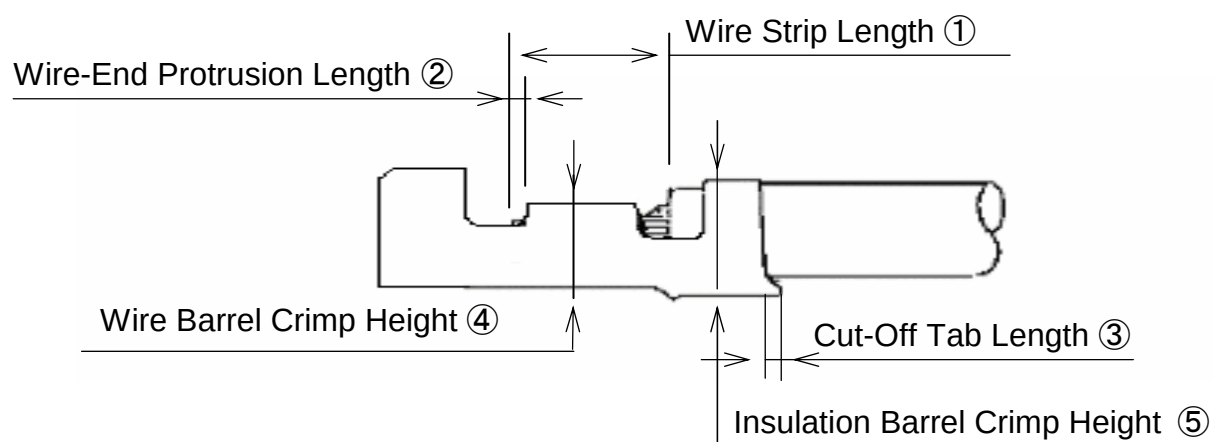
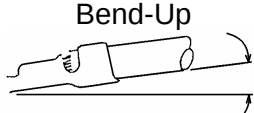
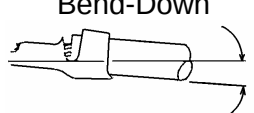
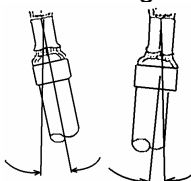
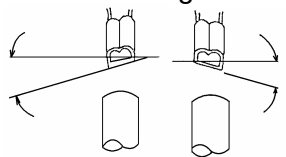


FIG 1.

4. CRIMPING REQUIREMENT

No.	Check Items		Crimping Requirements		Remarks
			Applicator	Hand Tool	
1	Wire Strip Length		1.05 ~ 1.54 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	Bend-Up 	6° Max.	6° Max.	
7		Bend-Down 	6° Max.	6° Max.	

8		Twisting 	5° Max.	5° Max.	
9		Rolling 	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-1775442-X	N/A	1	0.2mm ² (#24)	1.1-1.3	1.1mm	0.56-0.60	1.0mm
		1	0.12mm ² (#26)	1.0-1.2	1.1mm	0.52-0.58	1.0mm
		1	0.08mm ² (#28)	1.0-1.2	1.1mm	0.52-0.58	1.0mm
		1	0.05mm ² (#30)	0.9-1.1	1.1mm	0.52-0.58	1.0mm

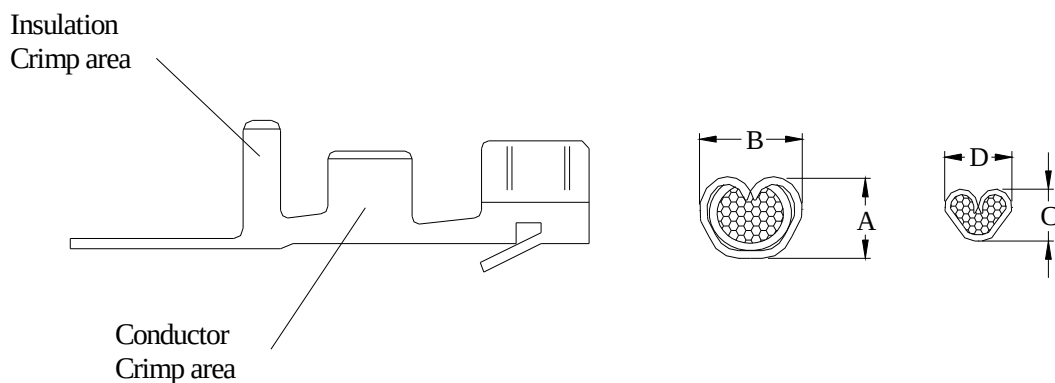


Table.2

Wire Size		Crimp Tensile Strength
MM ²	AWG#	N (kgf) Min.
0.20	24	29.4 (3.0)
0.12	26	19.6 (2.0)
0.08	28	14.7 (1.5)
0.05	30	9.8 (1.0)

- 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.

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