

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

2007

© COPYRIGHT 2007

BY -

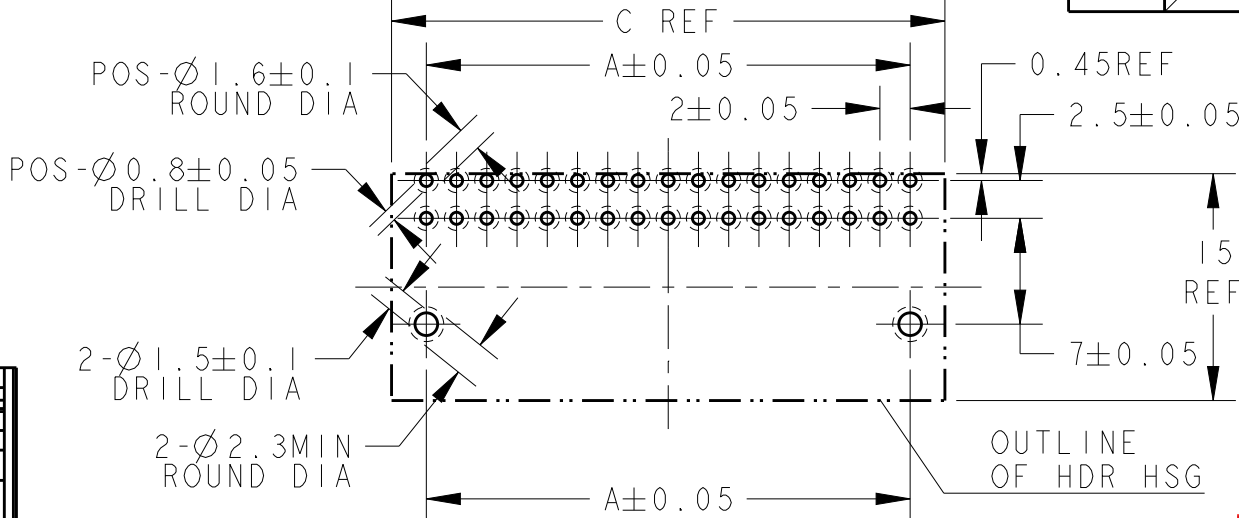
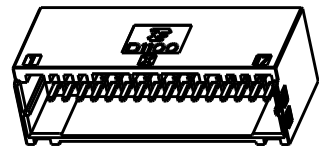
ALL RIGHTS RESERVED.

LOC
J

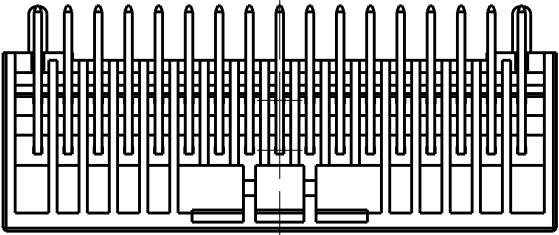
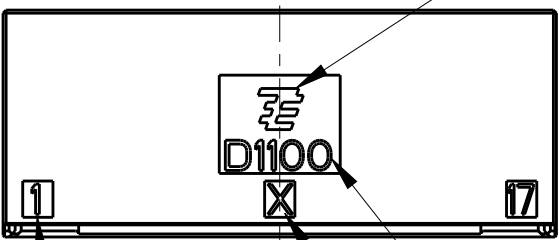
DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASED	22JUL2017	N.W	C.W



SCALE 1:1



LOGO MARK

CIRCUIT NO

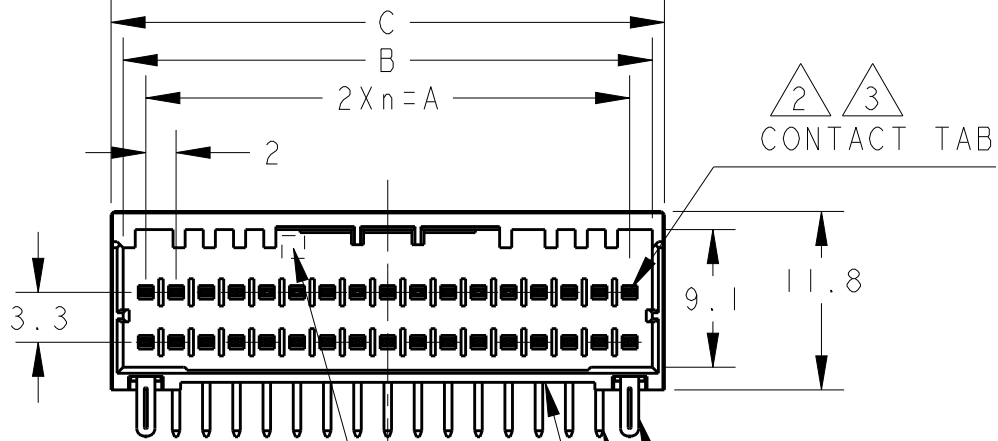
SERIES CODE

KEYING

RECOMMEND PC BOARD HOLE PATTERN
: CONNECTOR MOUNT SIDE
(NOT ACCUMULATE TOLERANCE)
PC BOARD THICKNESS : 1.0~1.6±0.1mm.

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>

- △1.MATERIAL:HOUSING:GLASS FILED THERMO PLASTIC
POLYESTER(94V-0), COLOR:BLACK
CONTACT:COPPER ALLOY
RETENTION LEG:PRE-TIN COPPER ALLOY
- △2.FINISH(ALL OVER):NICKEL PLATING 1.27μmMIN
- △3.FINISH(CONTACT AREA):TIN PLATING 1.0μmMIN AFTER △2
- △4.FINISH(CONTACT TAIL):TIN PLATING 2μmMIN AFTER △2
- 5.THE SHAPE, SIZE AND POSITION OF THE CHARACTER
SHOW THE OUTLINE.
THEY DON'T SHOW DETAILS.

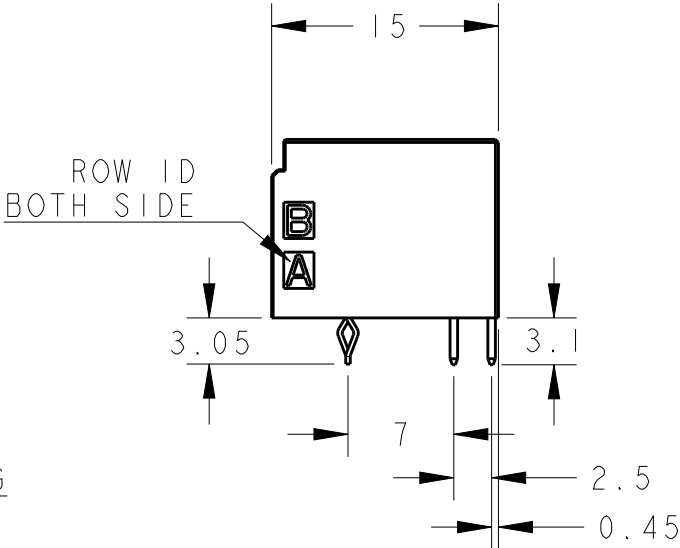


CAVITY MARK
(ALPHABET:CAPITAL LETTER)

HDR HSG

RETENTION LEG

CONTACT TAIL



34POS(X-KEY):1-2271888-7

40	X	19	38.0	41.0	42.6	1-2271888-0
34	X	16	32.0	35.0	36.6	1-2271888-7
30	X	14	28.0	31.0	32.6	1-2271888-5
28	X	13	26.0	29.0	30.6	1-2271888-4
26	X	12	24.0	27.0	28.6	1-2271888-3
POS	KEY	n	A	B	C	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: ±0.3, ±5°
	0-PLC ±
	1-PLC ±
	2-PLC ±
	3-PLC ±
	4-PLC ±
	ANGLES ±

MATERIAL

FINISH

DWN Ning Wang 26JUN2017

CHK Chris Wang 26JUN2017

APVD Chris Wang 26JUN2017

PRODUCT SPEC 108-78298

APPLICATION SPEC 114-5377

WEIGHT

Customer Drawing

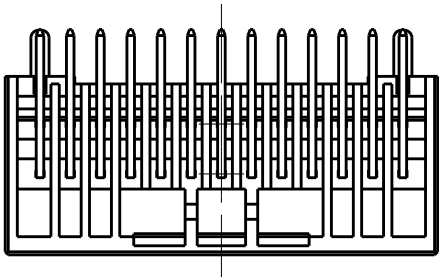
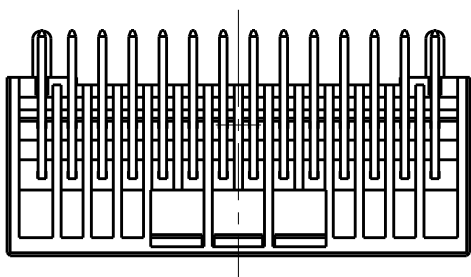
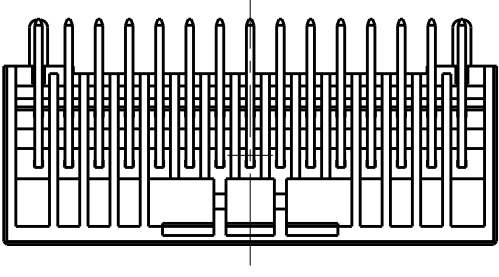
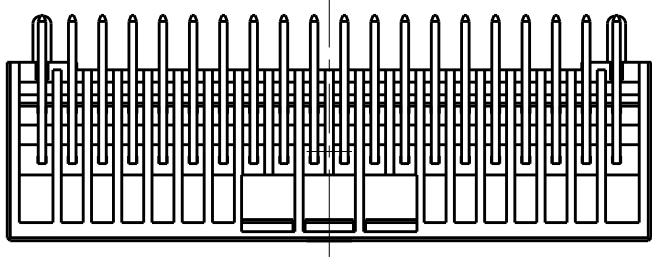
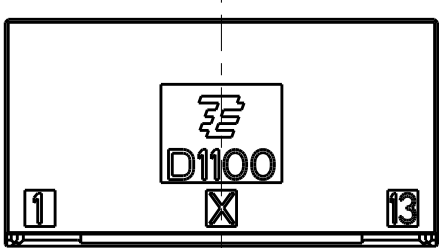
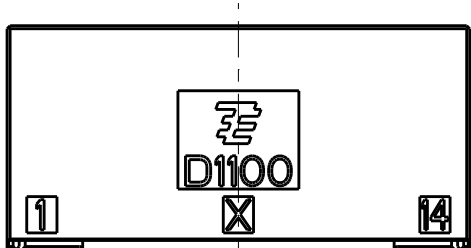
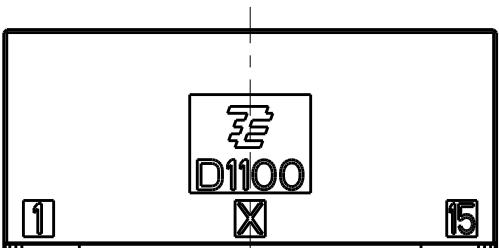
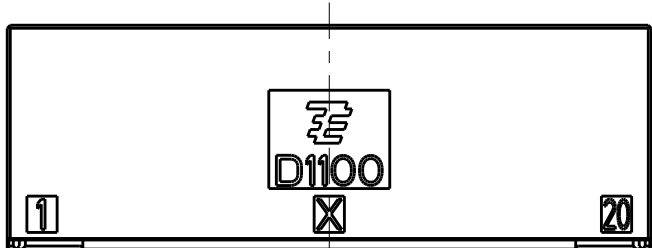
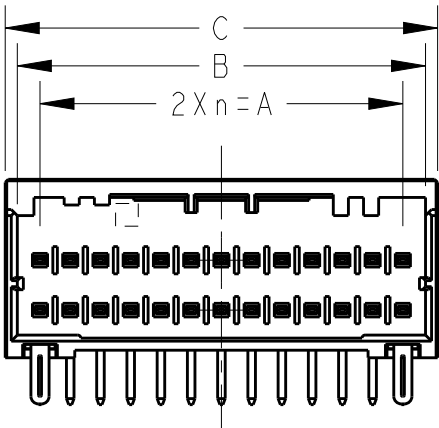
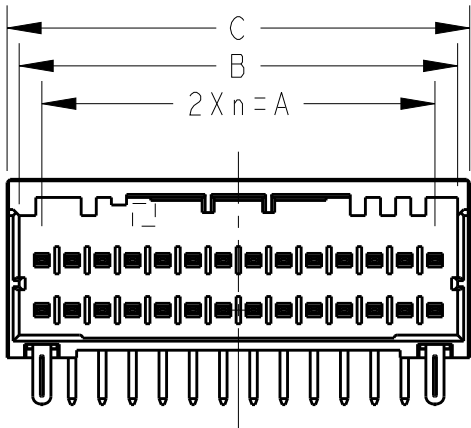
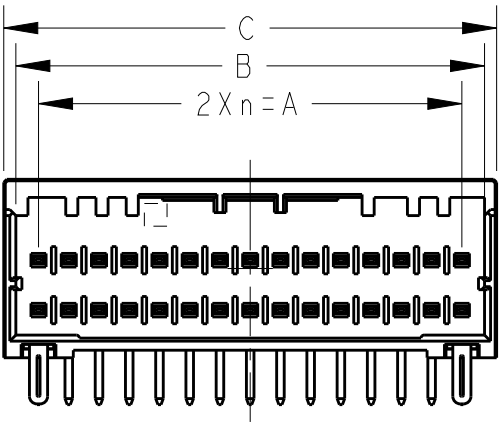
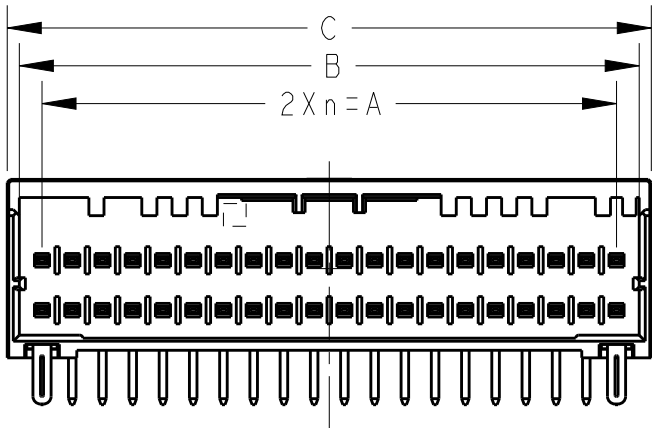
TE Connectivity

DYNAMIC D1100D 2.0mmPITCH
HDR ASSY, H-TYPE
22-40POS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2271888	-

SCALE 1:1 SHEET 1 OF 2 REV A

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	APVD
J				SEE SHEET 1 OF 2		



26POS(X-KEY): I-2271888-3

28POS(X-KEY): I-2271888-4

30POS(X-KEY): I-2271888-5

40POS(X-KEY): I-2271888-0

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ±

4 PLC ±

ANGLES ±

FINISH

DWN Ning Wang 26JUL2017

CHK Chris Wang 26JUL2017

APVD Chris Wang 26JUL2017

PRODUCT SPEC 108-78298

APPLICATION SPEC 114-5377

WEIGHT

Customer Drawing

TE Connectivity

NAME DYNAMIC D1100D 2.0mmPITCH HDR ASSY, H-TYPE 22-40POS

SIZE A3

CAGE CODE 00779

DRAWING NO C-2271888

RESTRICTED TO

SCALE 2:1 SHEET 2 OF 2 REV A

Crimping requirements for DYNAMIC 1000 Series contacts

1. SCOPE

This Application specification covers the crimping requirements for DYNAMIC 1000 Series contacts

2. APPLICABLE PRODUCT PART NUMBER

See Fig.1.

Contact Type	Size	Contact Part number L/P: Loose Piece		Plating Finish	Wire Size (AWG# REF) [mm2]	Insulation Diameter [mm]
Receptacle Contact	S	1827569-2/ *- 2367817-1 【b】	: Reel	Gold Plating	0.05～0.10 (#30～#28)	φ 0.60～φ 1.20
		1827586-2/ *-2367818-1 【b】	: L/P			
	M	1827570-2/ *-2367817-2 【b】	: Reel	Gold Plating	0.08～0.37 (#28～#22)	φ 1.08～φ 1.60
		1827587-2/ *-2367818-2 【b】	: L/P			
		1939991-2	: Reel	Gold 0.76Plating		
		1939992-2	: L/P			
		1871303-1	: Reel	Tin Plating		
		1871743-1	: L/P			
		L 【a】	1827571-2	: Reel		
	1827588-2		: L/P			
	1871304-1		: Reel	Tin Plating		
	1871744-1		: L/P			
	2L 【a】	1827572-2	: Reel	Gold Plating	0.34～0.87 (#22～#18)	φ 1.40～φ 2.20
		1827589-2	: L/P			
		1871731-1	: Reel	Tin Plating		
		1871745-1	: L/P			
	S	1903111-2/ *-2367819-1 【b】	: Reel	Gold Plating	0.05～0.10 (#30～#28)	φ 0.60～φ 1.20
		1903115-2/ *-2367820-1 【b】	: L/P			
	M	1903112-2/ *-2367819-2 【b】	: Reel	Gold Plating	0.08～0.37 (#28～#22)	φ 1.08～φ 1.60
		1903116-2/ *-2367820-2 【b】	: L/P			
		1903120-1	: Reel	Tin Plating		
		1903124-1	: L/P			
	L 【a】	1903113-2	: Reel	Gold Plating	0.08～0.37 (#28～#22)	φ 1.08～φ 1.90
		1903117-2	: L/P			
		1903121-1	: Reel	Tin Plating		
		1903125-1	: L/P			
	2L 【a】	1903114-2	: Reel	Gold Plating	0.34～0.87 (#22～#18)	φ 1.40～φ 2.20
		1903118-2	: L/P			
		1903122-1	: Reel	Tin Plating		
		1903126-1	: L/P			

Fig.1

[a]. L and 2L size are not applicable for D1100 (2.0mm Pitch) housings.

[b]. D1000 Slim Contact. It is applicable for D1000 slim housings.

3. Crimping REQUIREMENTS

See Fig.2 and Fig.3

NO.	Check Item	Specified Requirements	NO.	Check Item	Specified Requirements
①	Wire Stripping Length	2mm±0.3	⑥	Twisting	3° Max
②	Cut-Off Tab Length	0.25mm Max	⑦	Rolling	5° Max
③	Rear Bell mouth Length	0.1~0.3mm	⑧	Wire-End Protrusion Length	0.1~0.65mm
④	Bend-Up	3° Max	⑨ 【c】	Insulation Barrel Width	See Fig.4, 5
⑤	Bend-Down	3° Max	⑩ 【c】	Insulation Barrel Height	See Fig.4, 5

【c】. Insulation barrel crimping dimension ⑨ and ⑩ should be controlled under Fig.5 and Fig.6 not to interfere housings.

Fig 2

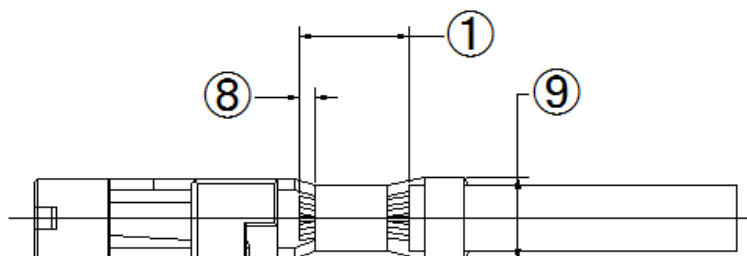
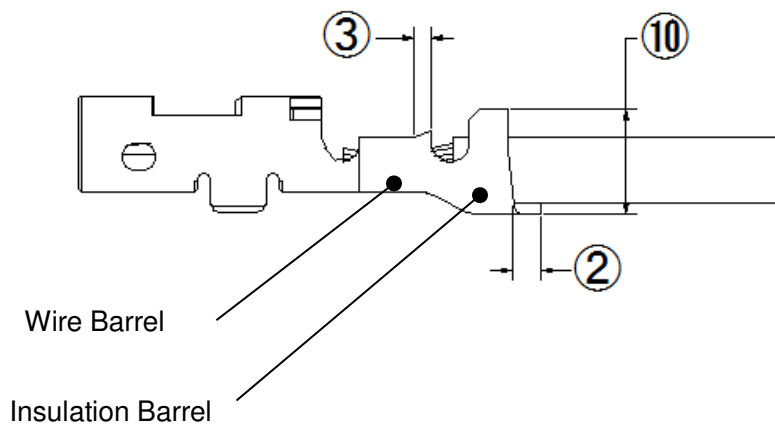


Fig 3

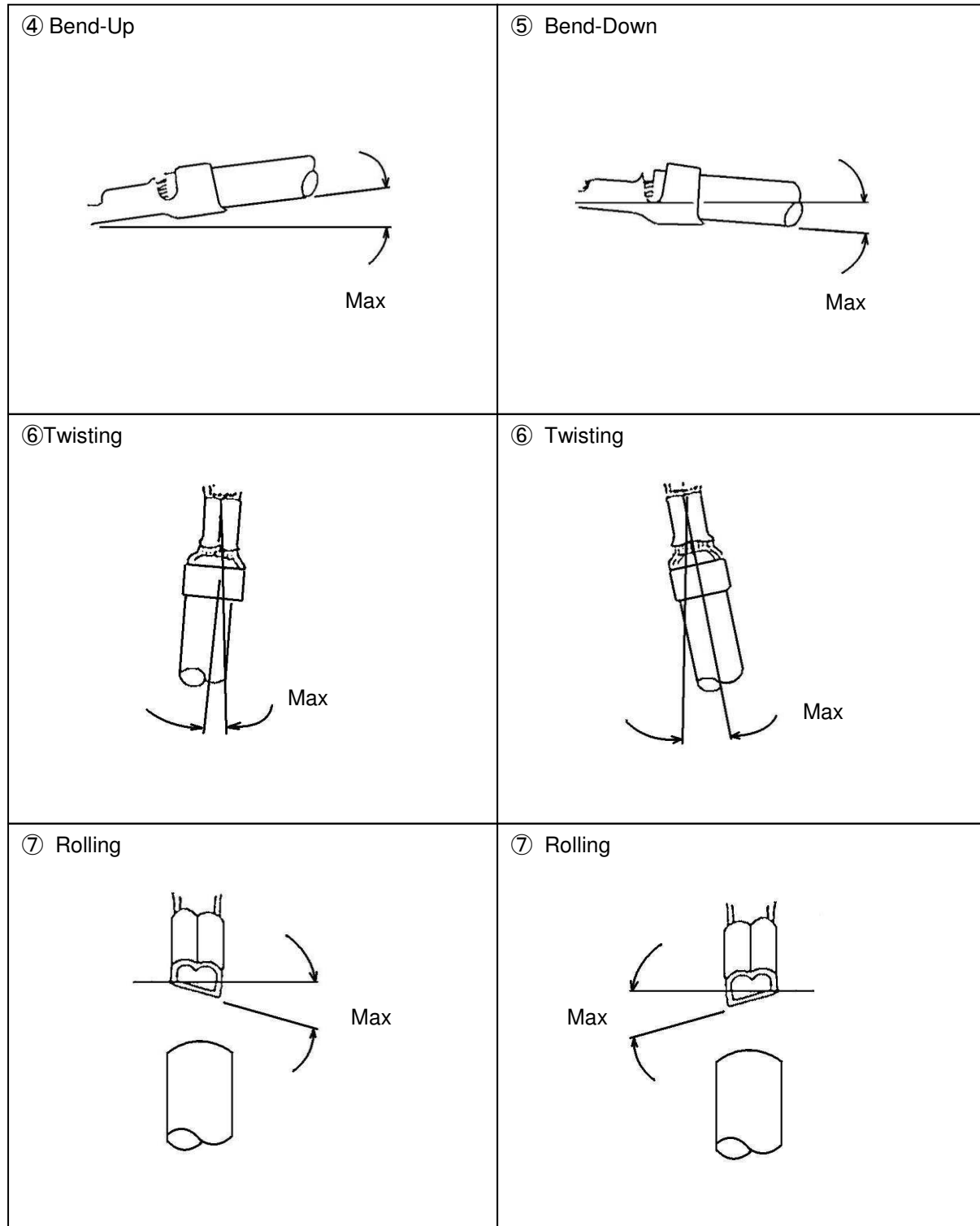


Fig.4

4. CRIMPING DATA

4.1 Applicator

See Fig.5

Reel Contact Part No		Applicator Number	Wire Size		Insulation Stripping Length [mm]	Wire Crimp		Insulation		Finished Insulation Diameter [mm]	Crimp Tensile Strength [Kg MIN]
			No. of Con- ductor [e]	Cross Section [mm ²] (AWG) [f]		Width [mm]	Crimp Height [mm]	⑨ Barrel Width [mm]	⑩ Crimp Height [mm]		
D1000 contact [g]											
S	1827569-2 1903111-2	2151110-1	1	0.05~ 0.06(#30)	2.0±0.3	0.90 (REF)	0.54±0.03	1.5MAX “ F ”	1.4~ 1.8MAX	φ0.60~ φ1.20	0.5
			1	0.08~ 0.10(#28)			0.57±0.03				1.0
M	1827570-2 1871303-1 1903112-2 1903120-1 1939991-2	2151082-1	1	0.08~ 0.10(#28)	2.0±0.3	1.16 (REF)	0.64±0.03	1.5MAX “ F ”	1.6~ 2.2MAX	φ1.08~ φ1.60	1.0
			1	0.12~ 0.15(#26)			0.67±0.03				2.0
			1	0.21~ 0.23(#24)			0.73±0.03				3.0
			1	0.34~ 0.37(#22)			0.80±0.03				4.5
L [d]	1827571-2 1871304-1 1903113-2 1903121-1	2151111-1	1	0.08 0.10(#28)	2.0±0.3	1.16 (REF)	0.64±0.03	2.1MAX “ F ”	1.6~ 2.4MAX	φ1.08~ φ1.90	1.0
			1	0.12~ 0.15(#26)			0.67±0.03				2.0
			1	0.21~ 0.23(#24)			0.73±0.03				3.0
			1	0.34~ 0.37(#22)			0.80±0.03				4.5
2L [d]	1827572-2 1871731-1 1903114-2 1903122-1	2151083-1	1	0.34~ 0.37(#22)	2.0±0.3	1.40 (REF)	0.85±0.03	2.1MAX “ F ”	2.0~ 2.4MAX	φ1.40~ φ2.20	4.5
			1	0.51~ 0.53(#20)			1.00±0.03				6.5
			1	0.85~ 0.87(#18)			1.15±0.03				6.5
D1000 Slim contact [g]											
S	*-2367817-1 *-2367819-1	2151110-1	1	0.05~ 0.06(#30)	2.0±0.3	0.90 (REF)	0.49-0.55	1.5MAX “ F ”	1.4~ 1.8MAX	φ0.60~ φ1.20	0.5
			1	0.08~ 0.10(#28)			0.52-0.57				1.0
M	*-2367817-2 *-2367819-2	2151082-1	1	0.08~ 0.10(#28)	2.0±0.3	1.16 (REF)	0.64±0.03	1.5MAX “ F ”	1.6~ 2.2MAX	φ1.08~ φ1.60	1.0
			1	0.12~ 0.15(#26)			0.67±0.03				2.0
			1	0.21~ 0.23(#24)			0.73±0.03				3.0
			1	0.34~ 0.37(#22)			0.80±0.03				4.5

See Fig.5

[d]. L and 2L size are not applicable for D1100 (2.0mm Pitch) housings

[e]. The contacts are not applicable for crimping multi wires. The strand diameter should be over ϕ 0.1mm.

[f]. Solid wire is not applied.

[g]. After crimped, check that the crimped sample can be inserted into the housing.

2 Hand Tool

See Fig.6

Loose Piece Contact Part No		Hand Tool Number	Wire Size		Insulation Stripping Length [mm]	Wire Crimp		Insulation		Finished Insulation Diameter [mm]	Crimp Tensile Strength [Kg MIN]
			No. of Con- ductor 【i】	Cross Section [mm ²] (AWG) 【j】		Width [mm]	Crimp Height [mm]	⑨ Barrel Width [mm]	⑩ Crimp Height [mm]		
D1000 contact 【I】											
S	1827586-2 1903115-2	2119144-1	1	0.05～ 0.06(#30)	2.0±0.3	0.90 (REF)	0.49~0.59	1.5MAX “ F ”	1.3(REF)	φ0.60～ φ1.00	0.5
			1	0.08～ 0.10(#28)			0.52~0.62		1.5(REF)	φ0.80～ φ1.20	1.0
M	1827587-2 1871743-1 1903116-2 1903124-1 1939992-2	2119141-1	1	0.08～ 0.10(#28)	2.0±0.3	1.16 (REF)	0.59~0.69	1.5MAX “ F ”	1.95(REF)	φ1.08～ φ1.40	1.0
			1	0.12～ 0.15(#26)			0.59~0.69				2.0
			1	0.21～ 0.23(#24)			0.69~0.79		2.1(REF)	φ1.20～ φ1.60	3.0
			1	0.34～ 0.37(#22)			0.69~0.79				4.5
L 【h】	1827588-2 1871744-1 1903117-2 1903125-1	2119143-1	1	0.08～ 0.10(#28)	2.0±0.3	1.16 (REF)	0.59~0.69	2.1MAX “ F ”	2.05(REF)	φ1.08～ φ1.40	1.0
			1	0.12～ 0.15(#26)			0.59~0.69				2.0
			1	0.21～ 0.23(#24)			0.69~0.79		2.2(REF)	φ1.20～ φ1.90	3.0
			1	0.34～ 0.37(#22)			0.69~0.79				4.5
2L 【h】	1827589-2 1871745-1 1903118-2 1903126-1	2119142-1	1	0.34～ 0.37(#22)	2.0±0.3	1.40 (REF)	0.80~0.90	2.1MAX “ F ”	2.1(REF)	φ1.40～ φ2.00	4.5
			1	0.51～ 0.53(#20)			0.80~0.90				6.5
			1	0.85～ 0.87(#18)			1.10~1.20		2.4(REF)	φ1.80～ φ2.20	6.5
D1000 Slim contact 【I】											
S	*-2367818-1 *-2367820-1	-【m】	1	0.05～ 0.06(#30)	2.0±0.3	0.90 (REF)	-【m】	1.5MAX “ F ”	1.3(REF)	φ0.60～ φ1.00	0.5
		-【n】	1	0.08～ 0.10(#28)			-【n】		1.5(REF)	φ0.80～ φ1.20	1.0
M	*-2367818-2 *-2367820-2	2381748-1 (2119141-1 with 2381710-1) 【k】	1	0.08～ 0.10(#28)	2.0±0.3	1.16 (REF)	0.59~0.69	1.5MAX “ F ”	1.95(REF)	φ1.08～ φ1.40	1.0
			1	0.12～ 0.15(#26)			0.59~0.69				2.0
			1	0.21～ 0.23(#24)			0.69~0.79		2.1(REF)	φ1.20～ φ1.60	3.0
			1	0.34～ 0.37(#22)			0.69~0.79				4.5

Fig.6

【h】. L and 2L size are not applicable for D1100 (2.0mm Pitch) housings

【i】. The contacts are not applicable for crimping multi wires. The strand diameter should be over φ0.1mm.

【j】. Solid wire is not applied.

【k】. Apply to use D1000 Hand tool with 2381710-1 by exchange flip locator

【l】. After crimped, check that the crimped sample can be inserted into the housing.

【m】. 2119144-1 with 2381710-1 can be used for crimping if it can be crimped with crimp height 0.49-0.55 mm

【n】. 2119144-1 with 2381710-1 can be used for crimping if it can be crimped with crimp height 0.52-0.57 mm