

HSF

NOTES:

Rated Current: 1.5AMP.(20°C,1*2P-1*15P)
 1.0AMP.(20°C,1*16P-1*50P) $\triangle A3$
 Contact Resistance: 20m Ω Max.
 Withstand Voltage: 500V AC/DC
 Insulation Resistance: 1000M Ω Min.
 Operation Temperature: -40°C to +125°C(Gold Plating) $\triangle A3$
 -40°C to +105°C(Tin Plating) $\triangle A3$

Contact Material: Copper Alloy
 Contact Plating: Au or Sn Over 30u" Min Ni $\triangle A3$
 Insulator Material: PA9T+G.F UL94V-0 BK $\triangle A3$

Ordering Information

1310-1 1 XX XX M XXX C X XX

Plastic Layer
 Plastic Row
 No. of Pins
 Per Row: 02-50
 Contact Plating
 G0=Gold Flash
 G3=10u"Au, BG3=8u"PdNi+2u"Au
 G4=15u"Au, BG4=13u"PdNi+2u"Au
 G5=30u"Au, BG5=28u"PdNi+2u"Au
 S0=Gold Flash/Tin $\triangle A3$
 S3=10u"Au/Sn, P3=8u"PdNi+2u"Au/Sn
 S4=15u"Au/Sn, P4=13u"PdNi+2u"Au/Sn
 S5=30u"Au/Sn, P5=28u"PdNi+2u"Au/Sn
 SN=Bright Tin
 SM=Matte Tin

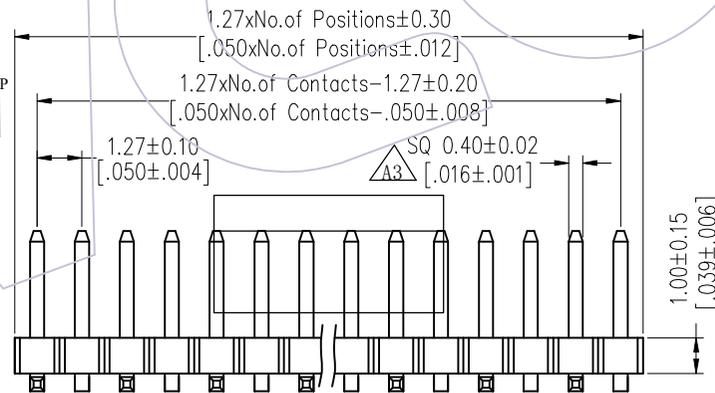
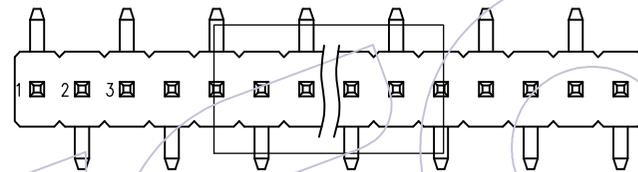
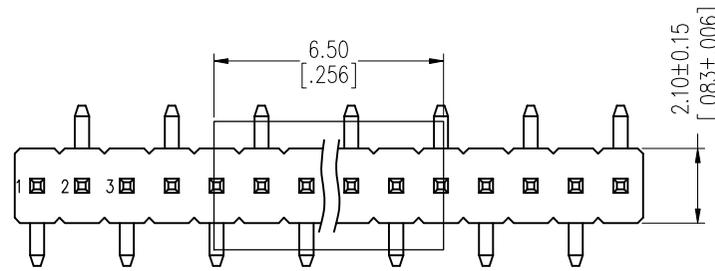
Series No. 01-99
 Packing
 T=Tube
 P=Tube+CAP
 R=Tape & Reel+CAP

Insulator Material
 C=PA9T(Standard)

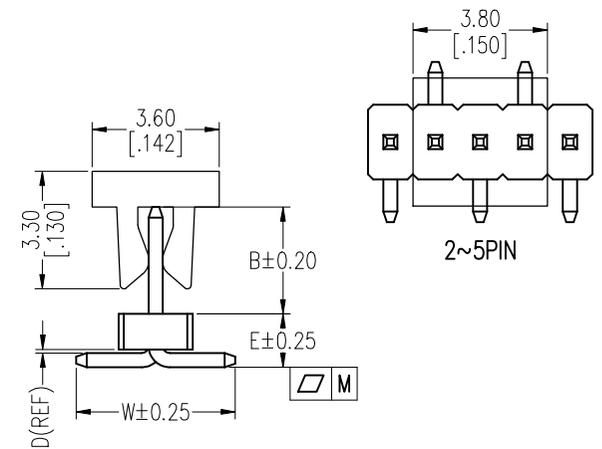
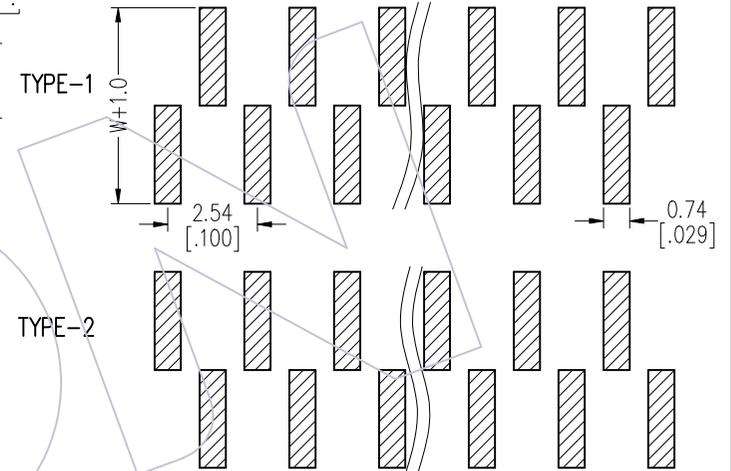
Pin Length
 L(See Table)

Type:
 M=SMT

Item	Pin Length	W	E	D	B	Mating
Standard	5.3	4.5	1.5	0.1	2.0	2321/2320T
	6.3				3.0	2334/2344/2346
	6.8				3.5	2357
	7.8				4.5	2345/2385
Alternate						



Recommended P.C.B Layout (Top Side)
 (PCB BOARD TOLERANCE±0.05)
 (PCB Thickness:T=1.60m)



REV	DATE	MODIFICATION DESCRIPTION	CHANGE	DIM	TOL	APPROVE	DATE	PROJ.
A3	2025/05/09	Standardization Drawing	CP			DRAW	2025/05/09	
A2	2023/02/01	Add Flatness	Du Ying	X.X	±0.40	CP		
A1	2018/01/12	MODIFY PART NO.	William Chen	X.XX	±0.25	CHECK	2025/05/09	
A0	2012/03/12	NEW	William Chen	X.XXX	±0.15	TANG		
				Angle	± 3°	APPROVE	2025/05/09	
						Steven Zhao		

PART NO.	TITLE:	Customer NO.
1310-11XXXXMXXXCXXX $\triangle A3$	1.27 Pin Header, SINGLE ROW, SMT, H=1.0	

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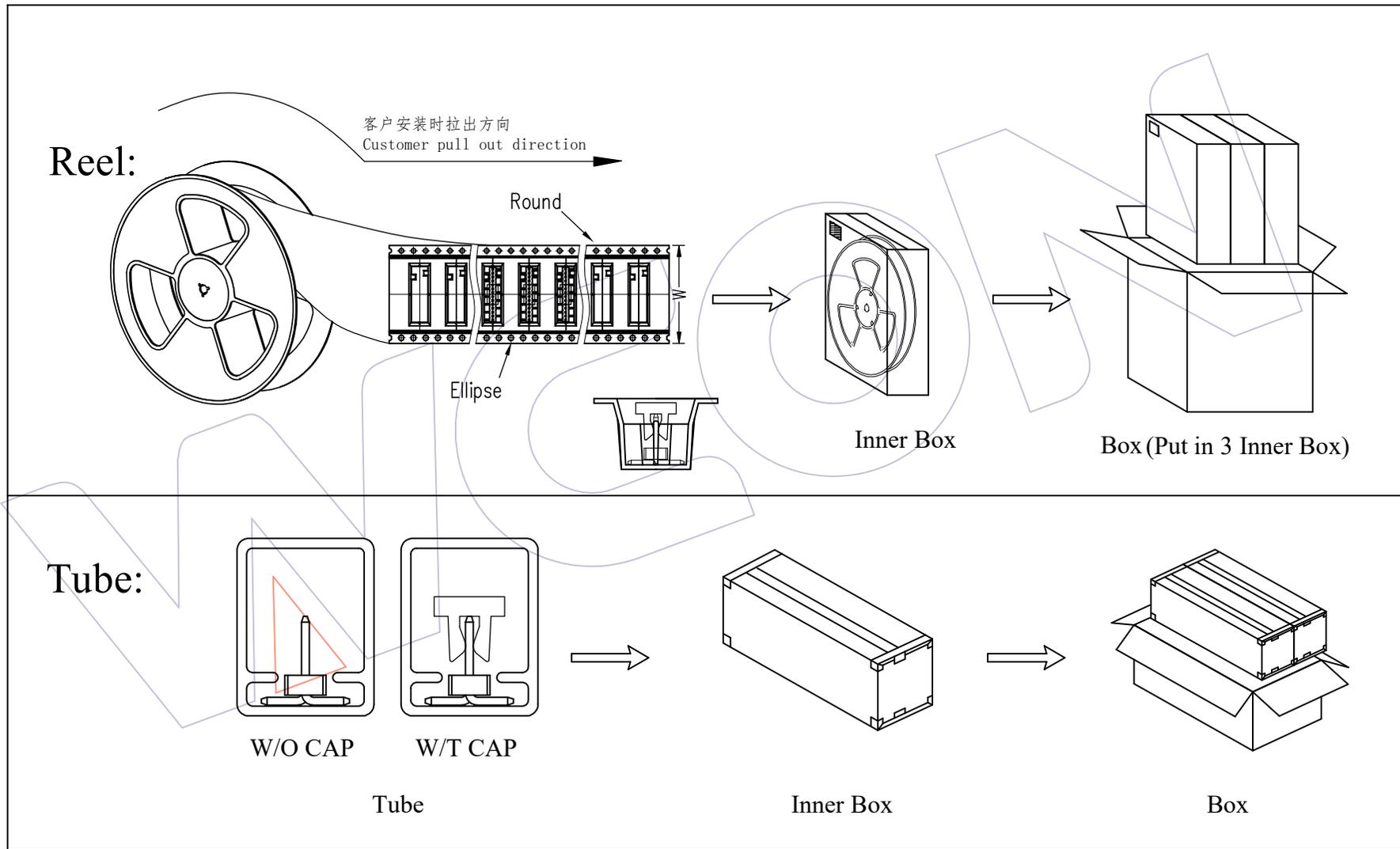
Http: www.wcon.com

WCON-Dongguan
 Tel: +86 769 85358920
 Fax: +86 769 85358915
 E-mail: sales@wcon.com

WCON-Kunshan
 Tel: +86 512 57468408
 Fax: +86 512 57468468
 E-mail: salesks@wcon.com

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Packing:



A3	2025/05/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO. 1310-11XXXXMXXXCXXX
A2	2023/02/01	Add Flatness	Du Ying	X.X ±0.40	CP	2025/05/09	UNIT	mm [inch]	
A1	2018/01/12	MODIFY PART NO.	William Chen	X.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE: 1.27 Pin Header, SINGLE ROW, SMT, H=1.0
A0	2012/03/12	NEW	William Chen	X.XXX ±0.15	TANG	2025/05/09	SHEET	2/4	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3°	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/05/09			

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Http: www.wcon.com

WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com	WCON-Kunshan Tel: +86 512 57468408 Fax: +86 512 57468468 E-mail: salesks@wcon.com
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Packaging Quantity Refers To The Following Table

PINS	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
4	114	36,480	72,960
5	87	27,840	55,680
6	73	23,360	46,720
7	63	20,160	40,320
8	55	17,600	35,200
9	49	15,680	31,360
10	44	14,080	28,160
11	40	12,800	25,600
12	37	11,840	23,680
13	34	10,880	21,760
14	32	10,240	20,480
15	29	9,280	18,560
16	28	8,960	17,920
17	26	8,320	16,640
18	25	8,000	16,000
19	23	7,360	14,720
20	22	7,040	14,080
21	21	6,720	13,440
22	20	6,400	12,800
23	19	6,080	12,160
24	18	5,760	11,520
25	18	5,760	11,520
26	17	5,440	10,880
27	16	5,120	10,240

PINS	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
28	16	5,120	10,240
29	15	4,800	9,600
30	15	4,800	9,600
31	14	4,480	8,960
32	14	4,480	8,960
33	13	4,160	8,320
34	13	4,160	8,320
35	12	3,840	7,680
36	12	3,840	7,680
37	12	3,840	7,680
38	11	3,520	7,040
39	11	3,520	7,040
40	11	3,520	7,040
41	11	3,520	7,040
42	10	3,200	6,400
43	10	3,200	6,400
44	10	3,200	6,400
45	10	3,200	6,400
46	9	2,880	5,760
47	9	2,880	5,760
48	9	2,880	5,760
49	9	2,880	5,760
50	9	2,880	5,760

B=2.0

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	16	1,050	4,200	12,600
3	16	1,050	4,200	12,600
4	16	1,050	4,200	12,600
5	16	1,050	4,200	12,600
6	24	1,050	3,150	9,450
7	24	1,050	3,150	9,450
8	24	1,050	3,150	9,450
9	24	1,050	3,150	9,450
10	24	1,050	3,150	9,450
11	24	1,050	3,150	9,450
12	24	1,050	3,150	9,450
13	32	1,050	2,100	6,300
14	32	1,050	2,100	6,300
15	32	1,050	2,100	6,300
16	32	1,050	2,100	6,300
17	44	1,050	2,100	6,300
18	44	1,050	2,100	6,300
19	44	1,050	2,100	6,300
20	44	1,050	2,100	6,300
21	44	1,050	2,100	6,300
22	44	1,050	2,100	6,300
23	44	1,050	2,100	6,300
24	44	1,050	2,100	6,300
25	44	1,050	2,100	6,300
26	56	1,050	1,050	3,150

B=2.0

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	1,050	1,050	3,150
28	56	1,050	1,050	3,150
29	56	1,050	1,050	3,150
30	56	1,050	1,050	3,150
31	56	1,050	1,050	3,150
32	56	1,050	1,050	3,150
33	56	1,050	1,050	3,150
34	56	1,050	1,050	3,150
35	56	1,050	1,050	3,150
36	72	1,050	1,050	3,150
37	72	1,050	1,050	3,150
38	72	1,050	1,050	3,150
39	72	1,050	1,050	3,150
40	72	1,050	1,050	3,150
41	72	1,050	1,050	3,150
42	72	1,050	1,050	3,150
43	72	1,050	1,050	3,150
44	72	1,050	1,050	3,150
45	72	1,050	1,050	3,150
46	72	1,050	1,050	3,150
47	72	1,050	1,050	3,150
48	72	1,050	1,050	3,150
49	88	1,050	1,050	3,150
50	88	1,050	1,050	3,150

B=3.0

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	12	900	5,400	16,200
3	16	900	3,600	10,800
4	16	900	3,200	9,600
5	16	900	3,200	9,600
6	24	900	2,700	8,100
7	24	900	2,400	7,200
8	24	900	2,400	7,200
9	24	900	2,400	7,200
10	24	900	2,400	7,200
11	24	900	2,400	7,200
12	32	900	1,800	5,400
13	32	900	1,800	5,400
14	32	900	1,800	5,400
15	32	900	1,800	5,400
16	44	900	1,800	5,400
17	44	900	1,800	5,400
18	44	900	1,800	5,400
19	44	900	1,800	5,400
20	44	900	1,800	5,400
21	44	900	1,800	5,400
22	44	900	1,800	5,400
23	44	900	1,800	5,400
24	44	900	1,800	5,400
25	44	900	1,800	5,400
26	56	900	900	2,700

A3	2025/05/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2023/02/01	Add Flatness	Du Ying	x.X ±0.40	CP	2025/05/09	UNIT	mm [inch]	1310-11XXXXMXXXCXXX
A1	2018/01/12	MODIFY PART NO.	William Chen	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/03/12	NEW	William Chen	x.XXX ±0.15	TANG	2025/05/09	SHEET	3/4	1.27 Pin Header, SINGLE ROW, SMT, H=1.0
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3°	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/05/09			

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Http: www.wcon.com

WCON-Dongguan
Tel: +86 769 85358920
Fax: +86 769 85358915
E-mail: sales@wcon.com

WCON-Kunshan
Tel: +86 512 57468408
Fax: +86 512 57468468
E-mail: salesks@wcon.com

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Packaging Quantity Refers To The Following Table

B=3.0

B=3.5

B=3.5

B=4.5

B=4.5

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	900	900	2,700
28	56	900	900	2,700
29	56	900	900	2,700
30	56	900	900	2,700
31	56	900	900	2,700
32	56	900	900	2,700
33	56	900	900	2,700
34	56	900	900	2,700
35	72	900	900	2,700
36	72	900	900	2,700
37	72	900	900	2,700
38	72	900	900	2,700
39	72	900	900	2,700
40	72	900	900	2,700
41	72	900	900	2,700
42	72	900	900	2,700
43	72	900	900	2,700
44	72	900	900	2,700
45	72	900	900	2,700
46	72	900	900	2,700
47	72	900	900	2,700
48	88	900	900	2,700
49	88	900	900	2,700
50	88	900	900	2,700

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	12	800	4,800	14,400
3	16	800	3,200	9,600
4	16	800	3,200	9,600
5	16	800	3,200	9,600
6	24	800	2,400	7,200
7	24	800	2,400	7,200
8	24	800	2,400	7,200
9	24	800	2,400	7,200
10	24	800	2,400	7,200
11	24	800	2,400	7,200
12	32	800	1,600	4,800
13	32	800	1,600	4,800
14	32	800	1,600	4,800
15	44	800	1,600	4,800
16	44	800	1,600	4,800
17	44	800	1,600	4,800
18	44	800	1,600	4,800
19	44	800	1,600	4,800
20	44	800	1,600	4,800
21	44	800	1,600	4,800
22	44	800	1,600	4,800
23	44	800	1,600	4,800
24	44	800	1,600	4,800
25	56	800	800	2,400
26	56	800	800	2,400

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	800	800	2,400
28	56	800	800	2,400
29	56	800	800	2,400
30	56	800	800	2,400
31	56	800	800	2,400
32	56	800	800	2,400
33	56	800	800	2,400
34	72	800	800	2,400
35	72	800	800	2,400
36	72	800	800	2,400
37	72	800	800	2,400
38	72	800	800	2,400
39	72	800	800	2,400
40	72	800	800	2,400
41	72	800	800	2,400
42	72	800	800	2,400
43	72	800	800	2,400
44	72	800	800	2,400
45	72	800	800	2,400
46	72	800	800	2,400
47	88	800	800	2,400
48	88	800	800	2,400
49	88	800	800	2,400
50	88	800	800	2,400

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	12	700	4,200	12,600
3	16	700	2,800	8,400
4	16	700	2,800	8,400
5	24	700	2,100	6,300
6	24	700	2,100	6,300
7	24	700	2,100	6,300
8	24	700	2,100	6,300
9	24	700	2,100	6,300
10	24	700	2,100	6,300
11	32	700	1,400	4,200
12	32	700	1,400	4,200
13	32	700	1,400	4,200
14	32	700	1,400	4,200
15	44	700	1,400	4,200
16	44	700	1,400	4,200
17	44	700	1,400	4,200
18	44	700	1,400	4,200
19	44	700	1,400	4,200
20	44	700	1,400	4,200
21	44	700	1,400	4,200
22	44	700	1,400	4,200
23	44	700	1,400	4,200
24	56	700	700	2,100
25	56	700	700	2,100
26	56	700	700	2,100

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	700	700	2,100
28	56	700	700	2,100
29	56	700	700	2,100
30	56	700	700	2,100
31	56	700	700	2,100
32	56	700	700	2,100
33	56	700	700	2,100
34	72	700	700	2,100
35	72	700	700	2,100
36	72	700	700	2,100
37	72	700	700	2,100
38	72	700	700	2,100
39	72	700	700	2,100
40	72	700	700	2,100
41	72	700	700	2,100
42	72	700	700	2,100
43	72	700	700	2,100
44	72	700	700	2,100
45	72	700	700	2,100
46	88	700	700	2,100
47	88	700	700	2,100
48	88	700	700	2,100
49	88	700	700	2,100
50	88	700	700	2,100

A3	2025/05/09	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO. 1310-11XXXXMXXXCXXX
A2	2023/02/01	Add Flatness	Du Ying	X.X ±0.40	CP	2025/05/09	UNIT	mm [inch]	
A1	2018/01/12	MODIFY PART NO.	William Chen	X.XX ±0.25	CHECK	DATE	SIZE	A4	
A0	2012/03/12	NEW	William Chen	X.XXX ±0.15	TANG	2025/05/09	SHEET	4/4	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3°	APPROVE	DATE	PROJ.		TITLE: 1.27 Pin Header, SINGLE ROW, SMT, H=1.0
				DIM TOL	Steven Zhao	2025/05/09			Customer NO.

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WCON-Dongguan Tel: +86 769 85358920
WCON-Kunshan Tel: +86 512 57468408
Fax: +86 769 85358915 Fax: +86 512 57468468
E-mail: sales@wcon.com E-mail: salesks@wcon.com