

HSF

NOTES:

Rated Current: 1.5AMP.(20°C,2*2P~2*15P)
 1.0AMP.(20°C,2*16P~2*50P) Δ
 Contact Resistance: 20m Ω Max.
 Withstand Voltage: 500V AC/DC
 Insulation Resistance: 1000M Ω Min.
 Operation Temperature: -40°C to +125°C(Gold Plating) Δ
 -40°C to +105°C(Tin Plating) Δ
 Contact Material: Copper Alloy
 Contact Plating: Au or Sn Over 30u" Min Ni Δ
 Insulator Material: PA9T+G.F UL94V-0 BK Δ

Ordering Information

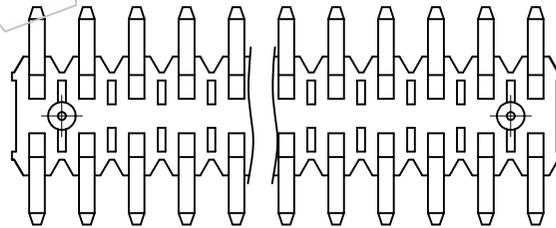
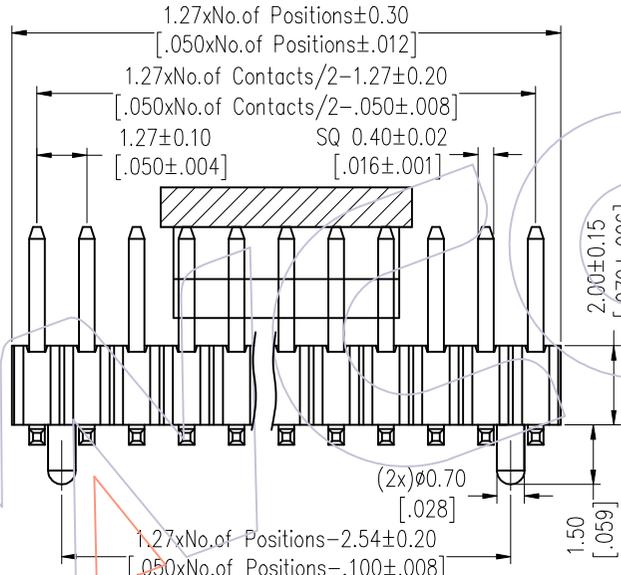
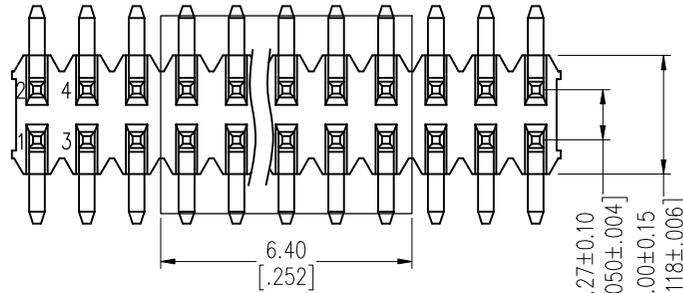
1320-1 2 XX XX M XXX C R XX

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
 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 Δ
 SN=Bright Tin
 SM=Matte Tin

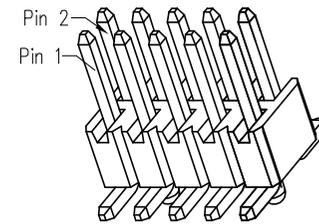
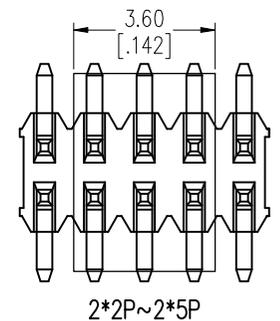
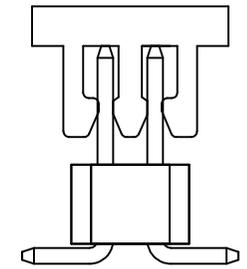
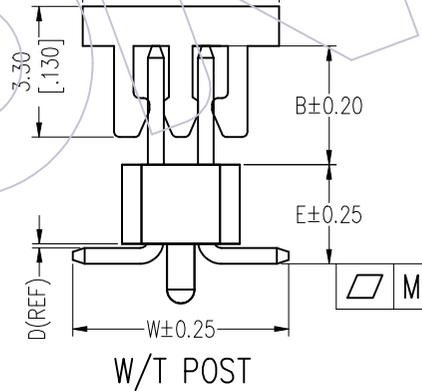
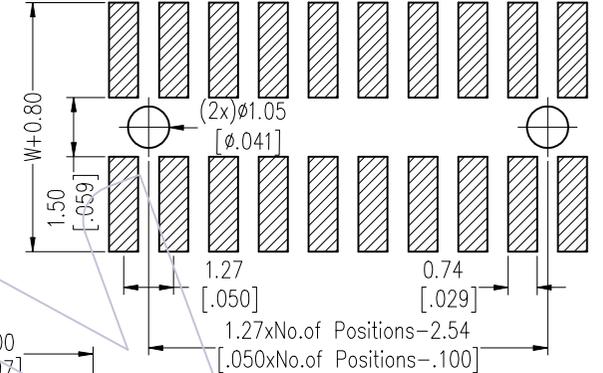
Series No. 01~99
 Packing
 T=Tube
 P=Tube+CAP
 R=Tape&Reel+CAP
 Insulator Material
 C=PA9T(Standard)
 Pin Length
 L(See Table)
 Type:
 M=SMT

Item	Pin Length	W	D	E	B	Mating
Standard	6.3	5.5	0.1	2.5	2.0	2321/2320T
	7.3				3.0	2334/2344/2346
	7.8				3.5	2357
	8.8				4.5	2345/2385
Alternate						

Δ	PIN	2-15P	16-30P	31-50P
	M	0.10	0.15	0.18



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



REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A5	2025/08/20	Standardization Drawing	CP	OPERATION	DRAW	2025/08/20	SCALE	Fit	1320-12XXXXMXXXCXXX Δ
A4	2023/02/02	Add Flatness	Du Ying	X.X ±0.40	CP	2025/08/20	UNIT	mm [inch]	TITLE: 1.27 Pin Header, DUAL ROW, SMT, H=2.0
A3	2021/12/27	MODIFY CAP	Du Ying	X.XX ±0.25	CHECK	2025/08/20	SIZE	A4	
A0	2012/03/22	NEW	William Chen	X.XXX ±0.15	TANG	2025/08/20	SHEET	1/5	
				Angle ± 3°	APPROVE	2025/08/20	PROJ.		Customer NO.
				DIM TOL	Steven Zhao				

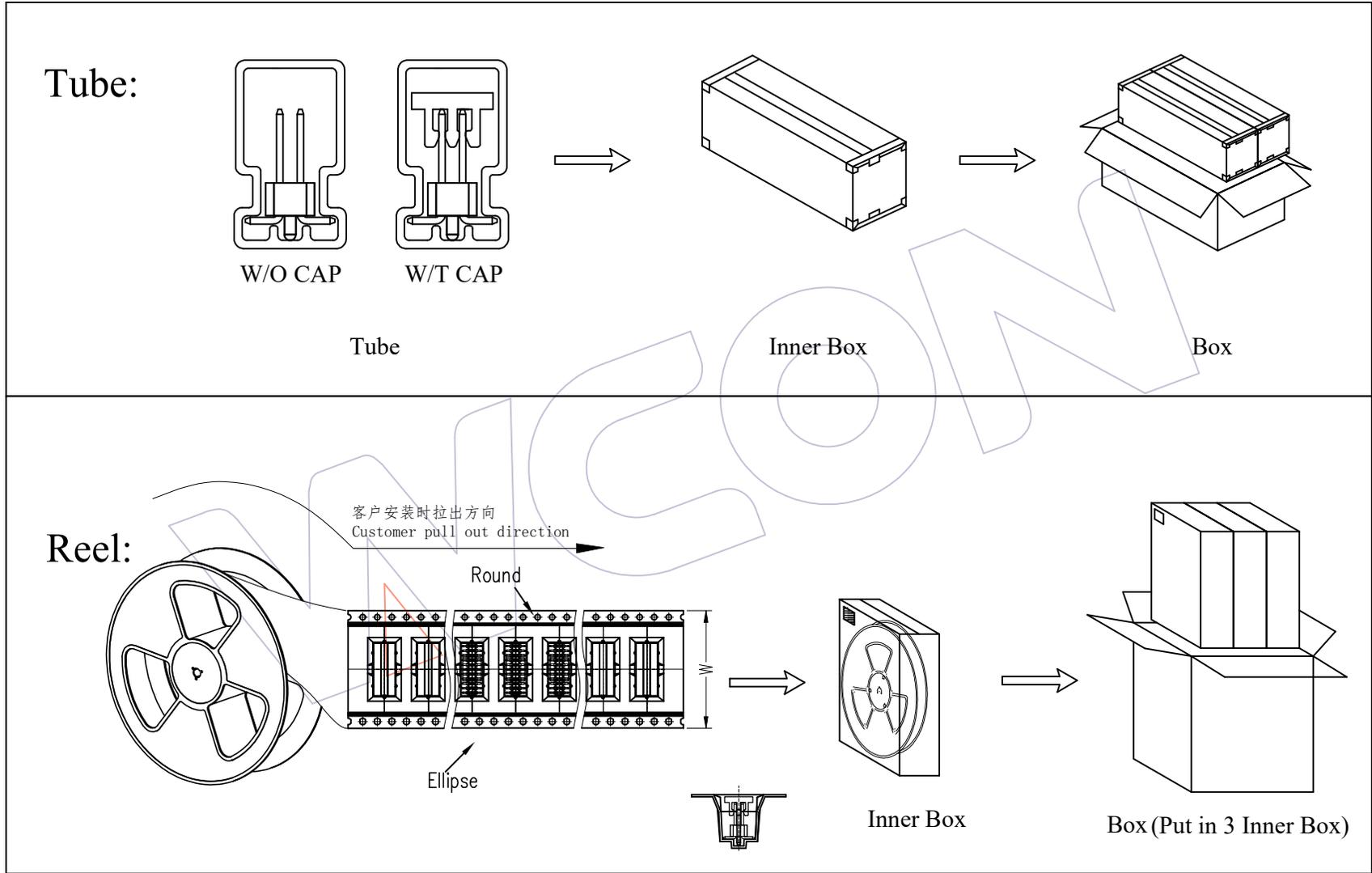
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Packing:



A5	2025/08/20	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO. 1320-12XXXXMXXXCXXX Δ
A4	2023/02/02	Add Flatness	Du Ying	X.X ± 0.40	CP	2025/08/20	UNIT	mm [inch]	
A3	2021/12/27	MODIFY CAP	Du Ying	X.XX ± 0.25	CHECK	DATE	SIZE	A4	TITLE: 1.27 Pin Header, DUAL ROW, SMT, H=2.0
A0	2012/03/22	NEW	William Chen	X.XXX ± 0.15	TANG	2025/08/20	SHEET	2/5	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle $\pm 3^\circ$	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/20			

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Packaging Quantity Refers To The Following Table

PINS /Row	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
4	114	22,800	45,600
5	91	18,200	36,400
6	76	15,200	30,400
7	65	13,000	26,000
8	57	11,400	22,800
9	50	10,000	20,000
10	45	9,000	18,000
11	40	8,000	16,000
12	38	7,600	15,200
13	34	6,800	13,600
14	32	6,400	12,800
15	29	5,800	11,600
16	28	5,600	11,200
17	26	5,200	10,400
18	25	5,000	10,000
19	23	4,600	9,200
20	22	4,400	8,800
21	21	4,200	8,400
22	20	4,000	8,000
23	19	3,800	7,600
24	18	3,600	7,200
25	18	3,600	7,200
26	17	3,400	6,800
27	16	3,200	6,400

PINS /Row	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
28	16	3,200	6,400
29	15	3,000	6,000
30	15	3,000	6,000
31	14	2,800	5,600
32	14	2,800	5,600
33	13	2,600	5,200
34	13	2,600	5,200
35	12	2,400	4,800
36	12	2,400	4,800
37	12	2,400	4,800
38	11	2,200	4,400
39	11	2,200	4,400
40	11	2,200	4,400
41	11	2,200	4,400
42	10	2,000	4,000
43	10	2,000	4,000
44	10	2,000	4,000
45	10	2,000	4,000
46	9	1,800	3,600
47	9	1,800	3,600
48	9	1,800	3,600
49	9	1,800	3,600
50	9	1,800	3,600

B=2.0

PINS /Row	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

B=2.0

PINS /Row	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

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	DIM	TOL	APPROVE	DATE	PROJ.
A5	2025/08/20	Standardization Drawing	CP			OPERATION	DATE	SCALE
A4	2023/02/02	Add Flatness	Du Ying	x.X	±0.40	DRAW	2025/08/20	Fit
A3	2021/12/27	MODIFY CAP	Du Ying	x.XX	±0.25	CHECK	DATE	UNIT
A0	2012/03/22	NEW	William Chen	x.XXX	±0.15	TANG	2025/08/20	SIZE
				Angle	± 3'	APPROVE	DATE	SHEET
						Steven Zhao	2025/08/20	3/5
								PROJ.

PART NO. 1320-12XXXXMXXXCXXX
TITLE: 1.27 Pin Header, DUAL ROW, SMT, H=2.0
Customer NO.

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Packaging Quantity Refers To The Following Table

B=3.0

B=3.0

B=3.5

B=3.5

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	16	600	2,400	7,200
3	24	500	1,500	4,500
4	24	600	1,800	5,400
5	24	600	1,800	5,400
6	24	500	1,500	4,500
7	24	500	1,500	4,500
8	24	500	1,500	4,500
9	24	600	1,800	5,400
10	24	600	1,800	5,400
11	32	600	1,200	3,600
12	32	500	1,000	3,000
13	32	600	1,200	3,600
14	44	600	1,200	3,600
15	44	600	1,200	3,600
16	44	600	1,200	3,600
17	44	600	1,200	3,600
18	44	600	1,200	3,600
19	44	600	1,200	3,600
20	44	600	1,200	3,600
21	44	600	1,200	3,600
22	44	600	1,200	3,600
23	56	600	600	1,800
24	56	600	600	1,800
25	56	600	600	1,800
26	56	600	600	1,800

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	600	600	1,800
28	56	600	600	1,800
29	56	600	600	1,800
30	56	600	600	1,800
31	56	600	600	1,800
32	56	600	600	1,800
33	72	600	600	1,800
34	72	600	600	1,800
35	72	600	600	1,800
36	72	600	600	1,800
37	72	600	600	1,800
38	72	600	600	1,800
39	72	600	600	1,800
40	72	600	600	1,800
41	72	600	600	1,800
42	72	600	600	1,800
43	72	600	600	1,800
44	72	600	600	1,800
45	88	600	600	1,800
46	88	600	600	1,800
47	88	600	600	1,800
48	88	600	600	1,800
49	88	600	600	1,800
50	88	600	600	1,800

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

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	600	600	1,800
28	56	600	600	1,800
29	56	600	600	1,800
30	56	600	600	1,800
31	56	600	600	1,800
32	56	600	600	1,800
33	72	600	600	1,800
34	72	600	600	1,800
35	72	600	600	1,800
36	72	600	600	1,800
37	72	600	600	1,800
38	72	600	600	1,800
39	72	600	600	1,800
40	72	600	600	1,800
41	72	600	600	1,800
42	72	600	600	1,800
43	72	600	600	1,800
44	72	600	600	1,800
45	88	600	600	1,800
46	88	600	600	1,800
47	88	600	600	1,800
48	88	600	600	1,800
49	88	600	600	1,800
50	88	600	600	1,800

A5	2025/08/20	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A4	2023/02/02	Add Flatness	Du Ying	x.X ±0.40	CP	2025/08/20	UNIT	mm [inch]	1320-12XXXXMXXXCXXX
A3	2021/12/27	MODIFY CAP	Du Ying	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/03/22	NEW	William Chen	x.XXX ±0.15	TANG	2025/08/20	SHEET	4/5	1.27 Pin Header, DUAL ROW, SMT, H=2.0
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3°	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/20			

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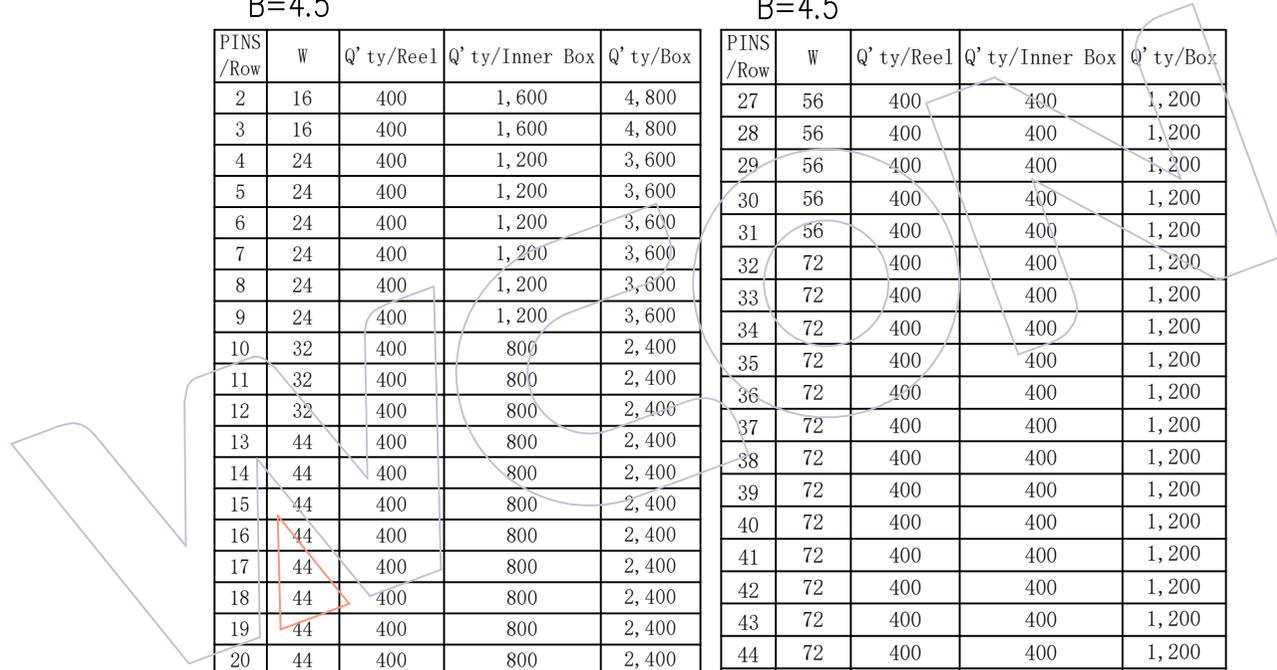
Packaging Quantity Refers To The Following Table

B=4.5

B=4.5

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

PINS /Row	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
27	56	400	400	1,200
28	56	400	400	1,200
29	56	400	400	1,200
30	56	400	400	1,200
31	56	400	400	1,200
32	72	400	400	1,200
33	72	400	400	1,200
34	72	400	400	1,200
35	72	400	400	1,200
36	72	400	400	1,200
37	72	400	400	1,200
38	72	400	400	1,200
39	72	400	400	1,200
40	72	400	400	1,200
41	72	400	400	1,200
42	72	400	400	1,200
43	72	400	400	1,200
44	72	400	400	1,200
45	88	400	400	1,200
46	88	400	400	1,200
47	88	400	400	1,200
48	88	400	400	1,200
49	88	400	400	1,200
50	88	400	400	1,200



A5	2025/08/20	Standardization Drawing	CP	OPERATION		DRAW	DATE	SCALE	Fit	PART NO.
A4	2023/02/02	Add Flatness	Du Ying	x.X	±0.40	CP	2025/08/20	UNIT	mm [inch]	1320-12XXXXMXXXCXXX Δ
A3	2021/12/27	MODIFY CAP	Du Ying	x.XX	±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/03/22	NEW	William Chen	x.XXX	±0.15	TANG	2025/08/20	SHEET	5/5	1.27 Pin Header, DUAL ROW, SMT, H=2.0
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3'	APPROVE	DATE	PROJ.	ϕ \leftarrow	Customer NO.
				DIM	TOL	Steven Zhao	2025/08/20			

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