

HSF

NOTES:

- Rated Current: 5.0AMP. (20°C, 1*2P-1*15P)
3.0AMP. (20°C, 1*16P-1*40P) $\triangle A3$
- Contact Resistance: 20m Ω Max.
- Withstand Voltage: 1000V AC/DC
- Insulation Resistance: 1000M Ω Min.
- Operation Temperature: -40°C to +125°C (Gold Plating)
-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

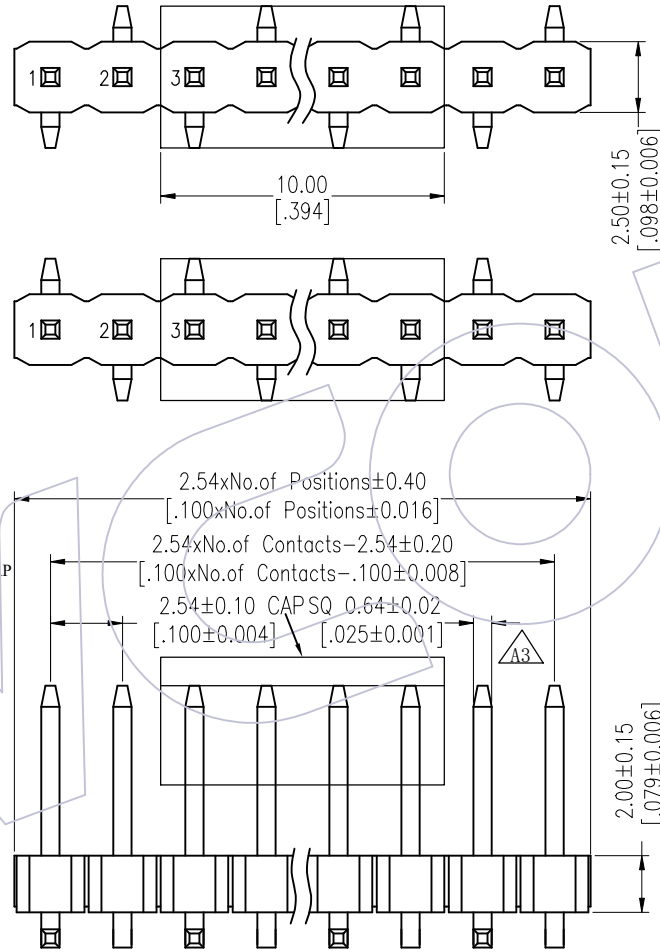
Ordering Information

1120-1 1 XX XX M XXX C R XX $\triangle A1$

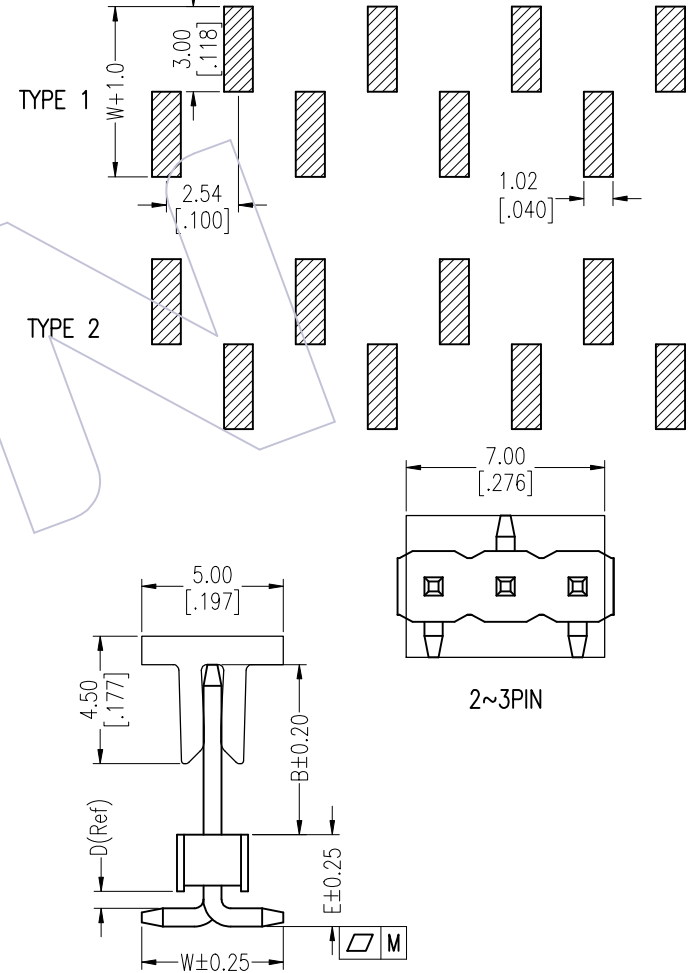
- Plastic Layer
- Plastic Row
- No. of Pins
- Per Row: 02-40
- Contact Plating
- G0=Gold Flash
- G3=10u"Au, BG3=8u"PdNi+2u"Au
- G4=15u"Au, BG4=13u"PdNi+2u"Au
- G5=30u"Au, BG5=28u"PdNi+2u"Au
- S0=Gold Flash/Tin
- S3=10u"Au/Sn, P3=8u"PdNi+2u"Au/Sn
- S4=15u"Au/Sn, P4=13u"PdNi+2u"Au/Sn
- S5=30u"Au/Sn, P5=28u"PdNi+2u"Au/Sn
- SN=Bright Tin $\triangle A3$
- 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	8.3	4.83	0.6	3.24	3.5	2135/2150T/2157
	8.8				4.0	2145/2150
	9.8				5.0	2168T/2171T
	10.8				5.84	2171/2185X
Alternate						

PIN(PerRow)	2-15P	16-25P	26-40P
M	0.10	0.15	0.20



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



REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A3	2025/03/04	Standardization Drawing	CP	OPERATION	DRAW	2025/03/04	SCALE	Fit	1120-11XXXXMXXXCRXX
A2	2023/02/03	Add Flatness	DuYing	x.X ±0.40	CP	2025/03/04	UNIT	mm	TITLE: PH2.54 SINGLE ROW SMT H=2.0
A1	2018/01/22	Modify P/N	Ruipeng	x.XX ±0.25	CHECK	2025/03/04	SIZE	A4	
A0	2012/05/07	NEW	William Chen	x.XXX ±0.15	TANG	2025/03/04	SHEET	1/4	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	SHEET	PROJ.	Customer NO.
				DIM TOL	Steven Zhao	2025/03/04			

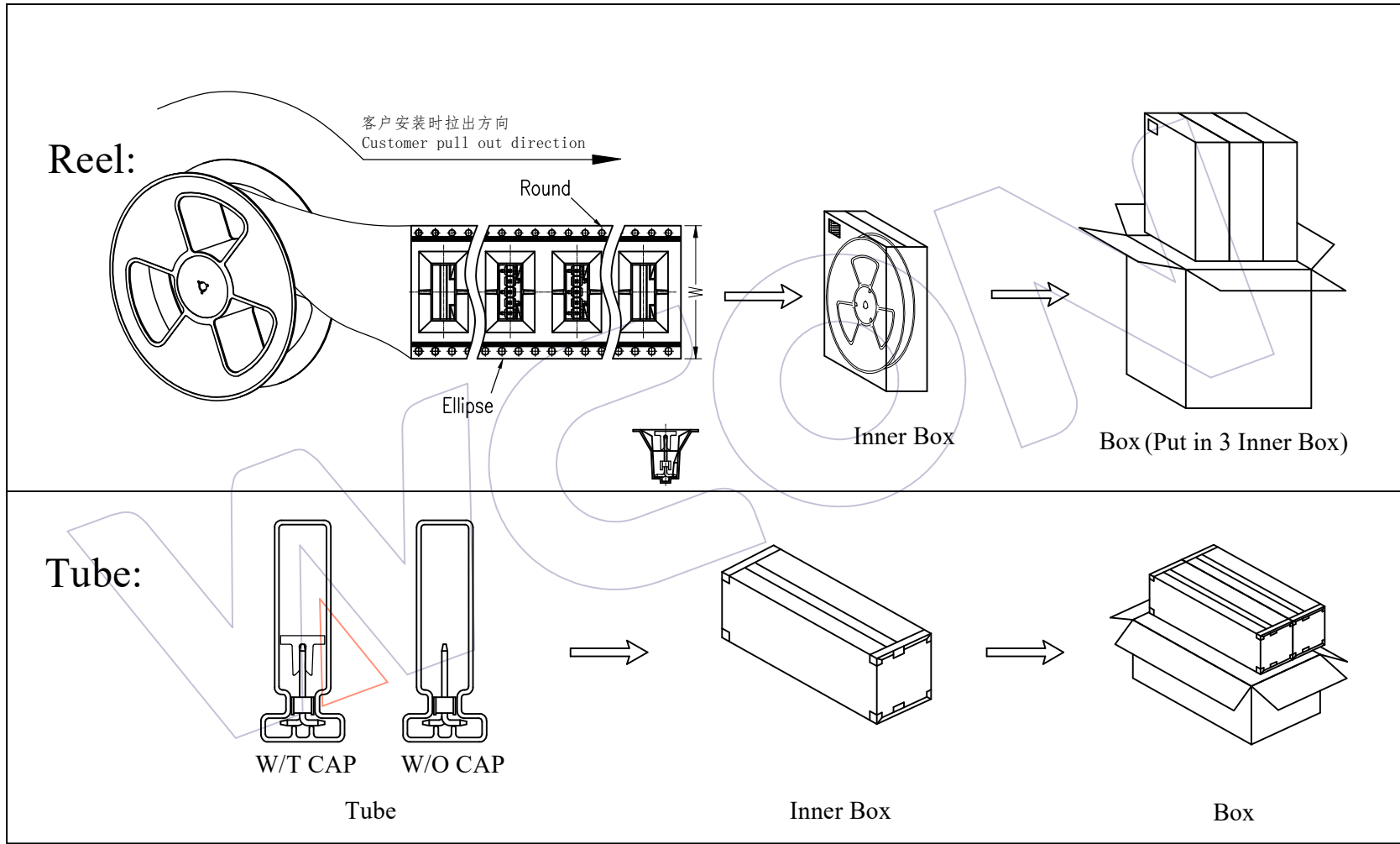
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Packing:



A3	2025/03/04	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2023/02/03	Add Flatness	DuYing	X.X ±0.40	CP	2025/03/04	UNIT	mm	1120-11XXXXMXXCRXX
A1	2018/01/22	Modify P/N	Ruipeng	X.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/05/07	NEW	William Chen	X.XXX ±0.15	TANG	2025/03/04	SHEET	2/4	PH2.54 SINGLE ROW SMT H=2.0
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.	⊕	Customer NO.
				DIM TOL	Steven Zhao	2025/03/04			

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Packaging Quantity Refers To The Following Table

PINS	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box	PINS	Q' ty/Tube	Q' ty/Inner Box	Q' ty/Box
4	57	4,560	9,120	23	9	720	1,440
5	44	3,520	7,040	24	9	720	1,440
6	37	2,960	5,920	25	9	720	1,440
7	31	2,480	4,960	26	8	640	1,280
8	27	2,160	4,320	27	8	640	1,280
9	24	1,920	3,840	28	8	640	1,280
10	22	1,760	3,520	29	7	560	1,120
11	20	1,600	3,200	30	7	560	1,120
12	18	1,440	2,880	31	7	560	1,120
13	17	1,360	2,720	32	7	560	1,120
14	16	1,280	2,560	33	6	480	960
15	15	1,200	2,400	34	6	480	960
16	14	1,120	2,240	35	6	480	960
17	13	1,040	2,080	36	6	480	960
18	12	960	1,920	37	6	480	960
19	11	880	1,760	38	5	400	800
20	11	880	1,760	39	5	400	800
21	10	800	1,600	40	5	400	800
22	10	800	1,600				

B=3.5

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	650	1,950	5,850
3	24	650	1,950	5,850
4	24	650	1,950	5,850
5	24	650	1,950	5,850
6	32	650	1,300	3,900
7	44	650	1,300	3,900
8	44	650	1,300	3,900
9	44	650	1,300	3,900
10	44	650	1,300	3,900
11	44	650	1,300	3,900
12	56	650	650	1,950
13	56	650	650	1,950
14	56	650	650	1,950
15	56	650	650	1,950
16	56	650	650	1,950
17	72	650	650	1,950
18	72	650	650	1,950
19	72	650	650	1,950
20	72	650	650	1,950
21	72	650	650	1,950
22	72	650	650	1,950
23	88	650	650	1,950
24	88	650	650	1,950
25	88	650	650	1,950
26	88	650	650	1,950
27	88	650	650	1,950

B=4.0

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	600	1,800	5,400
3	24	600	1,800	5,400
4	24	600	1,800	5,400
5	32	600	1,200	3,600
6	32	600	1,200	3,600
7	44	600	1,200	3,600
8	44	600	1,200	3,600
9	44	600	1,200	3,600
10	44	600	1,200	3,600
11	44	600	1,200	3,600
12	56	600	600	1,800
13	56	600	600	1,800
14	56	600	600	1,800
15	56	600	600	1,800
16	56	600	600	1,800
17	72	600	600	1,800
18	72	600	600	1,800
19	72	600	600	1,800
20	72	600	600	1,800
21	72	600	600	1,800
22	72	600	600	1,800
23	88	600	600	1,800
24	88	600	600	1,800
25	88	600	600	1,800
26	88	600	600	1,800
27	88	600	600	1,800

A3	2025/03/04	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2023/02/03	Add Flatness	DuYing	x.X ±0.40	CP	2025/03/04	UNIT	mm	1120-11XXXXMXXXCRXX
A1	2018/01/22	Modify P/N	Ruipeng	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/05/07	NEW	William Chen	x.XXX ±0.15	TANG	2025/03/04	SHEET	3/4	PH2.54 SINGLE ROW SMT H=2.0
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.	⊕	Customer NO.
				DIM TOL	Steven Zhao	2025/03/04			

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Packaging Quantity Refers To The Following Table

B=5.0

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	550	1,650	4,950
3	24	550	1,650	4,950
4	24	550	1,650	4,950
5	32	550	1,100	3,300
6	32	550	1,100	3,300
7	44	550	1,100	3,300
8	44	550	1,100	3,300
9	44	550	1,100	3,300
10	44	550	1,100	3,300
11	44	550	1,100	3,300
12	56	550	1,100	3,300
13	56	550	1,100	3,300
14	56	550	1,100	3,300
15	56	550	1,100	3,300
16	72	550	550	1,650
17	72	550	550	1,650
18	72	550	550	1,650
19	72	550	550	1,650
20	72	550	550	1,650
21	72	550	550	1,650
22	72	550	550	1,650
23	88	550	550	1,650
24	88	550	550	1,650
25	88	550	550	1,650
26	88	550	550	1,650
27	88	550	550	1,650

B=5.84

PINS	W	Q' ty/Reel	Q' ty/Inner Box	Q' ty/Box
2	24	450	1,350	4,050
3	24	450	1,350	4,050
4	24	450	1,350	4,050
5	32	450	900	2,700
6	44	450	900	2,700
7	44	450	900	2,700
8	44	450	900	2,700
9	44	450	900	2,700
10	44	450	900	2,700
11	56	450	450	1,350
12	56	450	450	1,350
13	56	450	450	1,350
14	56	450	450	1,350
15	72	450	450	1,350
16	72	450	450	1,350
17	72	450	450	1,350
18	72	450	450	1,350
19	72	450	450	1,350
20	72	450	450	1,350
21	72	450	450	1,350
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