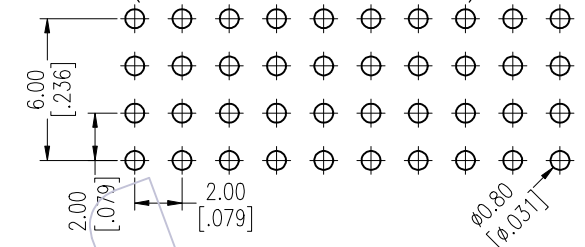
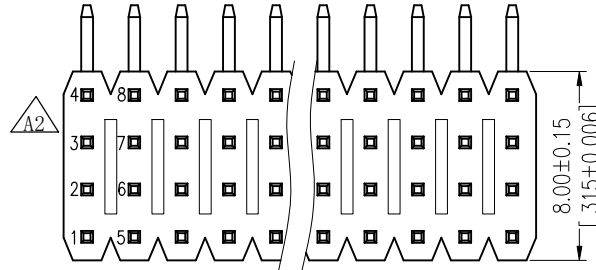


HSF

NOTES:
 Rated Current: 3.0AMP.(20°C, 4*2P-4*15P)
 2.0AMP.(20°C, 4*16P-4*40P) $\triangle A3$
 Contact Resistance: 20mΩ Max.
 Withstand Voltage: 500V AC/DC
 Insulation Resistance: 1000MΩ 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 $\triangle A3$

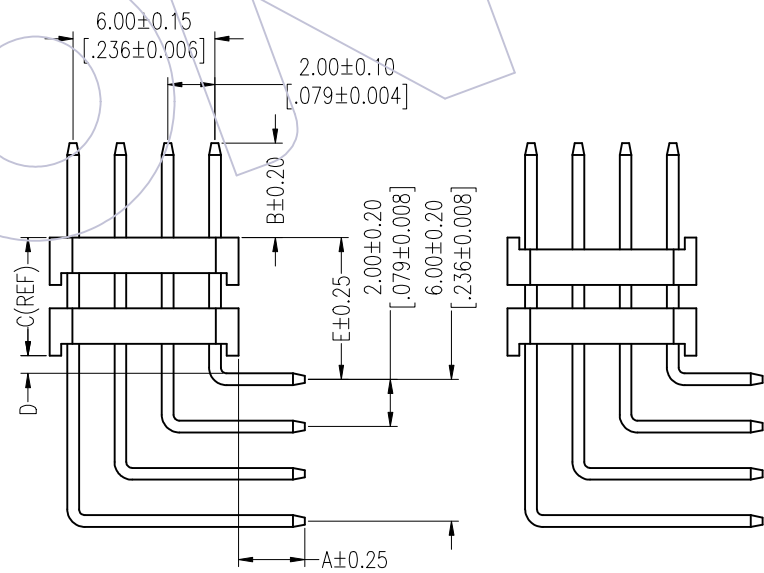
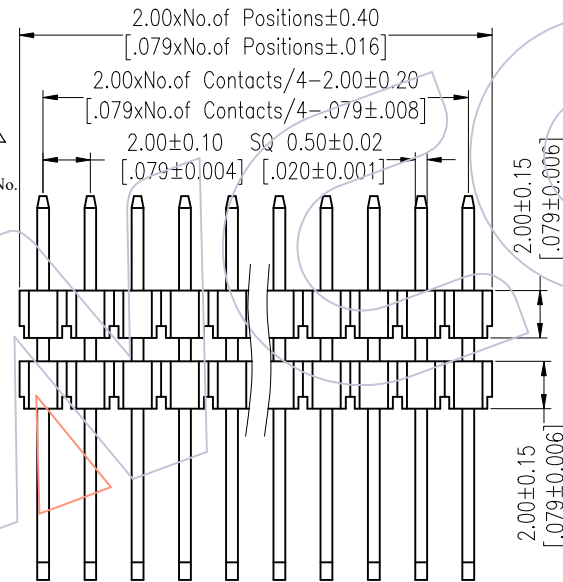
Recommended P.C.B Layout (Top Side)
 (PCB BOARD TOLERANCE ± 0.05)
 (PCB Thickness: T=1.60m)



Ordering Information

1220- 2 4 XX XX R XXX C 0 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
 SM=Matte Tin
- Insulator Material C=PA9T
- Pin Length L(See Table)
 Type: R:R/A $\triangle A3$
- Series No. 01-99
- Packing 0=PE Bag



TYPE 1

TYPE 2

A3	2025/08/02	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/03/22	Modify Drawing	CP	x.X ±0.40	CP	2025/08/02	UNIT	mm	1220-24XXXXRXXXCOXX $\triangle A1$
A1	2018/01/19	Modify P/N	Liu	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/04/26	NEW	William Chen	x.XXX ±0.15	TANG	2025/08/02	SHEET	1/2	PH2.00 FOUR ROW DOUBLE PLASTIC 90°H=2.0 CONCAVE BENDING
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/02			

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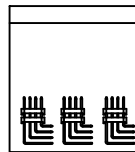
Packaging Quantity Refers To The Following Table

Table 1

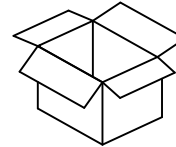
Item	Pin Length Short/Middle1/Middle2/Long	A	C	D	E	B	Mating	
Standard	12.8/16.8/20.8/24.8	2.80	5.8	0.75	6.8	2.5	2220T/2221/2228	
	3.0					2227T/2228T/2245		
	3.5					2235/2240N/2243C		
	4.0					2240/2243/2245T/2263/2272		
	2.5					2220T/2221/2228		
	3.0		2227T/2228T/2245					
	3.5		2235/2240N/2243C					
	4.0		2240/2243/2245T/2263/2272					
	2.5		2220T/2221/2228					
	3.0		2227T/2228T/2245					
	Standard	12.5/16.5/20.5/24.5	2.0 (THR)	5.8	0.75	6.8	2.5	2220T/2221/2228
		3.0					2227T/2228T/2245	
		3.5					2235/2240N/2243C	
		4.0					2240/2243/2245T/2263/2272	
		2.5					2220T/2221/2228	
		3.0		2227T/2228T/2245				
		3.5		2235/2240N/2243C				
		4.0		2240/2243/2245T/2263/2272				
		2.5		2220T/2221/2228				
		3.0		2227T/2228T/2245				
Alternate	12.0/16.0/20.0/24.0	17.0	10.0	0.75	11.0	2.5	2220T/2221/2228	
	3.0					2227T/2228T/2245		
	3.5					2235/2240N/2243C		
	4.0					2240/2243/2245T/2263/2272		
	2.5					2220T/2221/2228		
	3.0		2227T/2228T/2245					
	3.5		2235/2240N/2243C					
	4.0		2240/2243/2245T/2263/2272					
	2.5		2220T/2221/2228					
	3.0		2227T/2228T/2245					

PINS /Row	Q'ty/Bag (12.0 ≤ L ≤ 18.5)	PINS /Row	Q'ty/Bag (12.0 ≤ L ≤ 18.5)	PINS /Row	Q'ty/Bag (23.2 ≤ L ≤ 25.5)	PINS /Row	Q'ty/Bag (23.2 ≤ L ≤ 25.5)
2	600	22	50	2	500	22	50
3	500	23	50	3	300	23	50
4	300	24	50	4	300	24	50
5	300	25	50	5	200	25	30
6	200	26	50	6	200	26	30
7	200	27	50	7	100	27	30
8	200	28	50	8	100	28	30
9	100	29	50	9	100	29	30
10	100	30	50	10	100	30	30
11	100	31	50	11	100	31	30
12	100	32	50	12	100	32	30
13	100	33	30	13	50	33	30
14	100	34	30	14	50	34	30
15	100	35	30	15	50	35	30
16	50	36	30	16	50	36	30
17	50	37	30	17	50	37	30
18	50	38	30	18	50	38	30
19	50	39	30	19	50	39	30
20	50	40	30	20	50	40	30
21	50			21	50		

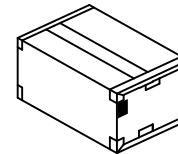
Packing: PE Bag:



PE Bag



Inner Box



Box

A3	2025/08/02	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/03/22	Modify Drawing	CP	x.X ±0.40	CP	2025/08/02	UNIT	mm	1220-24XXXXRXXXC0XX
A1	2018/01/19	Modify P/N	Liu	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
A0	2012/04/26	NEW	William Chen	x.XXX ±0.15	TANG	2025/08/02	SHEET	2/2	PH2.00 FOUR ROW DOUBLE PLASTIC 90°H=2.0 CONCAVE BENDING
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/02			



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