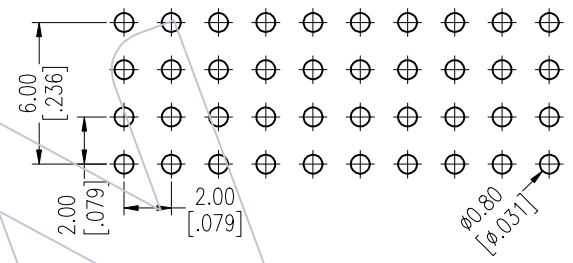


HSF

NOTES:

Rated Current: 3.0AMP.(20°C, 4*2P-4*15P)
 2.0AMP.(20°C, 4*16P-4*40P) $\triangle A3$
 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 $\triangle A3$

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

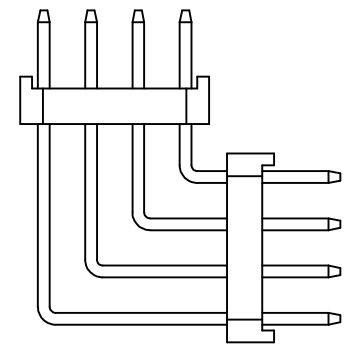
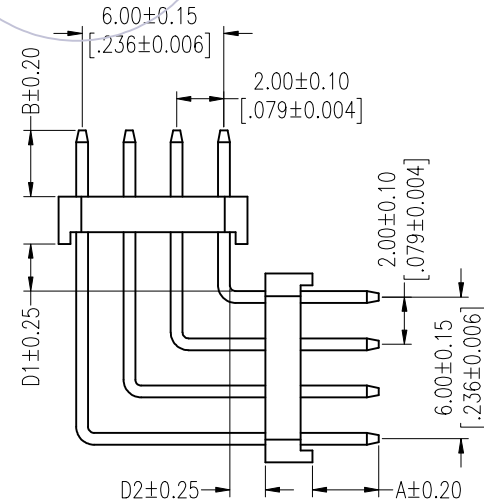
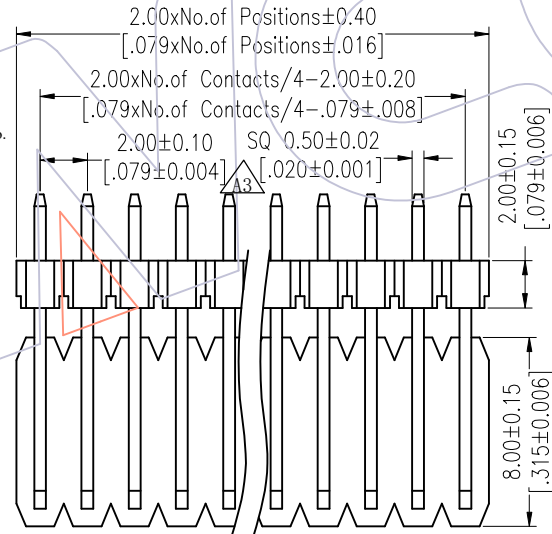


Ordering Information

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

Series No. 01-99
 Packing 0=PE Bag
 Insulator Material C=PA9T
 Pin Length L(See Table)
 Type: R:R/A



TYPE 1

TYPE 2

A3	2025/08/04	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/03/22	Modify Drawing	CP	x.X ± 0.40	CP	2025/08/04	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	2025/08/04	SHEET	1/3	PH2.00 FOUR ROW DOUBLE PLASTIC 90° H=2.0 MIDDLE BENDING
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle $\pm 3'$	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/04			

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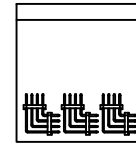
HSF

Table

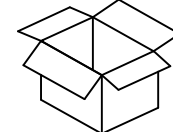
Item	Pin Length				A	D1	D2	B	Mating	Item	Pin Length				A	D1	D2	B	Mating	
	Short	Middle1	Middle2	Long							Short	Middle1	Middle2	Long						
Standard	11.8	15.8	19.8	23.8	2.80	1.2	1.2	2.5	2220T/2221/2228	Standard	11.0	15.0	19.0	23.0	2.0 (THR)	1.2	1.2	2.5	2220T/2221/2228	
	12.3	16.3	20.3	24.3				3.0	2227T/2228T/2245		11.6	15.5	19.6	23.5				3.0	2227T/2228T/2245	
	12.8	16.8	20.8	24.8				3.5	2235/2240N/2243C		12.0	16.0	20.0	24.0				3.5	2235/2240N/2243C	
	13.3	17.3	21.3	25.5				4.0	2240/2243/2245T/2263/2272		12.5	16.5	20.5	24.5				4.0	2240/2243/2245T/2263/2272	
	14.5	18.5	22.5	26.5		1.8	3.2	2.5	2220T/2221/2228		13.8	17.8	21.8	25.7		1.8	3.2	2.5	2220T/2221/2228	
	15.0	19.0	23.0	27.0				3.0	2227T/2228T/2245		14.2	18.2	22.2	26.2				3.0	2227T/2228T/2245	
	15.5	19.5	23.5	27.5				3.5	2235/2240N/2243C		14.7	18.7	22.7	26.8				3.5	2235/2240N/2243C	
	16.0	20.0	24.0	28.0				4.0	2240/2243/2245T/2263/2272		15.2	19.2	23.2	27.2				4.0	2240/2243/2245T/2263/2272	
	13.6	17.8	21.8	25.7		2.3	1.9	2.5	2220T/2221/2228		12.8	16.8	20.8	24.8		2.3	1.9	2.5	2220T/2221/2228	
	14.2	18.2	22.2	26.2				3.0	2227T/2228T/2245		13.3	17.3	21.3	25.5				3.0	2227T/2228T/2245	
	14.7	18.7	22.7	26.8				3.5	2235/2240N/2243C		13.8	17.8	21.8	25.8				3.5	2235/2240N/2243C	
	15.2	19.2	23.2	27.2				4.0	2240/2243/2245T/2263/2272		14.5	18.5	22.5	26.5				4.0	2240/2243/2245T/2263/2272	
	14.5	18.5	22.5	26.5	2.5	2.5	2.5	2220T/2221/2228	13.8		17.8	21.8	25.7	2.5	2.5	2.5	2220T/2221/2228			
	15.0	19.0	23.0	27.0			3.0	2227T/2228T/2245	14.2		18.2	22.2	26.2			3.0	2227T/2228T/2245			
	15.5	19.5	23.5	27.5			3.5	2235/2240N/2243C	14.7		18.7	22.7	26.8			3.5	2235/2240N/2243C			
	16.0	20.0	24.0	28.0			4.0	2240/2243/2245T/2263/2272	15.2		19.2	23.2	27.2			4.0	2240/2243/2245T/2263/2272			
	16.3	20.2	24.2	28.3	5.2	1.5	2.5	2220T/2221/2228	15.5		19.5	23.5	27.5	5.2	1.5	2.5	2220T/2221/2228			
	16.8	20.8	24.8	28.7			3.0	2227T/2228T/2245	15.8		19.8	23.8	27.8			3.0	2227T/2228T/2245			
	17.2	21.3	25.2	29.3			3.5	2235/2240N/2243C	16.5		20.5	24.5	28.5			3.5	2235/2240N/2243C			
	17.8	21.8	25.7	29.8			4.0	2240/2243/2245T/2263/2272	16.8		20.8	24.8	28.7			4.0	2240/2243/2245T/2263/2272			
	22.2	26.2	30.2	34.0	5.2	7.5	2.5	2220T/2221/2228	21.5		25.5	29.5	33.5	5.2	7.5	2.5	2220T/2221/2228			
	22.7	26.8	30.8	34.8			3.0	2227T/2228T/2245	21.8		25.8	29.8	34.0			3.0	2227T/2228T/2245			
	23.2	27.2	31.3	35.2			3.5	2235/2240N/2243C	22.5		26.5	30.5	34.5			3.5	2235/2240N/2243C			
	23.8	27.8	31.8	35.5			4.0	2240/2243/2245T/2263/2272	22.8		26.8	30.8	34.8			4.0	2240/2243/2245T/2263/2272			
	Alternate										Alternate									

Packing:

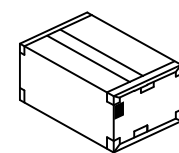
PE Bag:



PE Bag



Inner Box



Box

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

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Packaging Quantity Refers To The Following Table

PINS /Row	Q'ty/Bag (11.0 ≤ L ≤ 17.8)	PINS /Row	Q'ty/Bag (11.0 ≤ L ≤ 17.8)	PINS /Row	Q'ty/Bag (21.5 ≤ L ≤ 23.8)	PINS /Row	Q'ty/Bag (21.5 ≤ L ≤ 23.8)
2	600	22	50	2	400	22	30
3	400	23	50	3	300	23	30
4	300	24	50	4	200	24	30
5	300	25	50	5	200	25	30
6	200	26	50	6	100	26	30
7	200	27	50	7	100	27	30
8	100	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	30	11	50	31	30
12	100	32	30	12	50	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	20
17	50	37	30	17	50	37	20
18	50	38	30	18	50	38	20
19	50	39	30	19	50	39	20
20	50	40	30	20	50	40	20
21	50			21	50		

A3	2025/08/04	Standardization Drawing	CP	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/03/22	Modify Drawing	CP	x.X ±0.40	CP	2025/08/04	UNIT	mm	1220-24XXXXRXXXCOXX Δ
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	2025/08/04	SHEET	3/3	PH2.00 FOUR ROW DOUBLE PLASTIC 90° H=2.0 MIDDLE BENDING
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.	ϕ \equiv	Customer NO.
				DIM TOL	Steven Zhao	2025/08/04			



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