

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)
 -40°C to +105°C (Tin Plating)

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

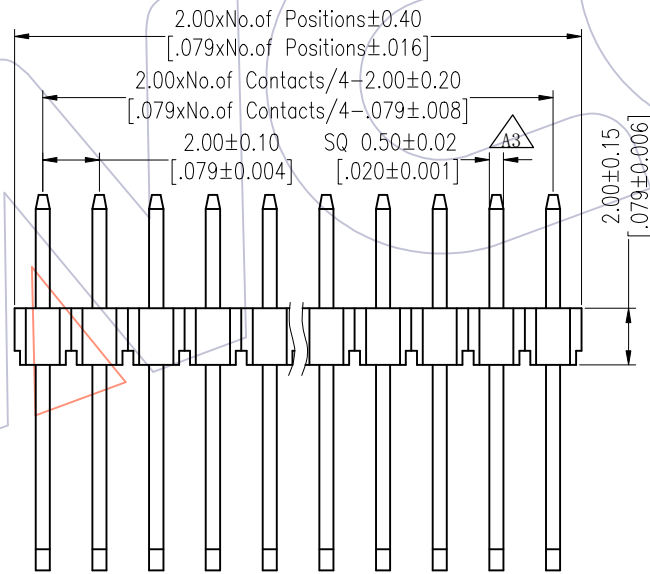
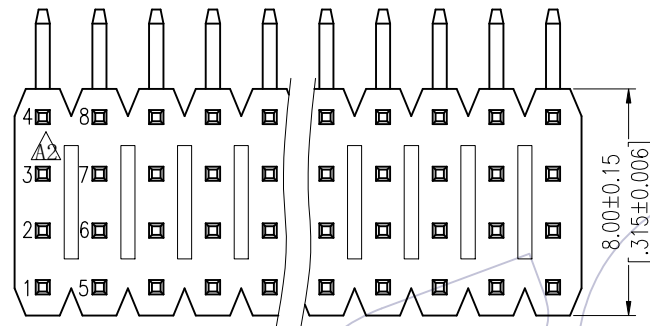
Ordering Information $\triangle A3$

1220 1 4 XX XX R XXX C 0 XX $\triangle A1$

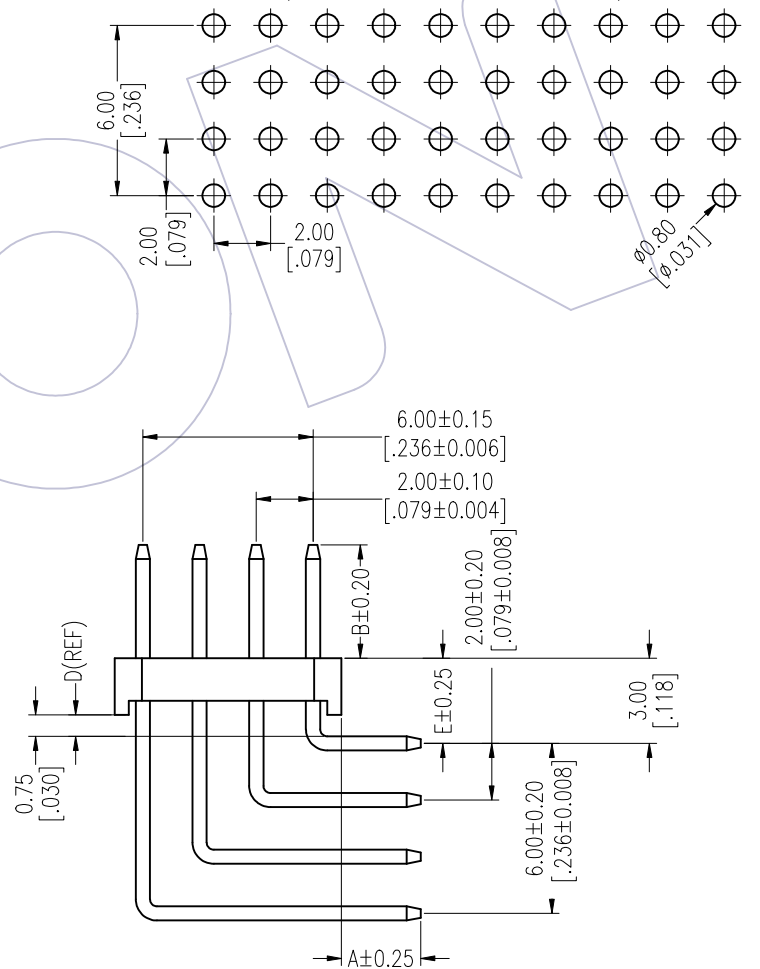
Plastic Layer
 Plastic Row
 No. of Pins Per Row: 02-40
 Contact Plating
 G0=Gold Flash
 G3=10u"Au, BG3=8u"PdNi+2u"Au
 G4=15u"Au, BG4=13u"PdNi+2u"Au
 G5=30u"Au, BG5=28u"PdNi+2u"Au
 S0=Gold Flash/Tin
 S3=10u"Au/Sn, P3=8u"PdNi+2u"Au/Sn
 S4=15u"Au/Sn, P4=13u"PdNi+2u"Au/Sn
 S5=30u"Au/Sn, P5=28u"PdNi+2u"Au/Sn
 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

Item	Pin Length Short/Middle1/Middle2/Long	A	D	E	B	Mating
Standard	9.0/13.0/17.0/21.0	2.80	0.75	3.0	2.5	2220T/2221/2228
	9.5/13.5/17.5/21.5				3.0	2227T/2228T/2245
	10.0/14.0/18.0/22.0				3.5	2235/2240N/2243C
	10.5/14.5/18.5/22.5				4.0	2240/2243/2245T/2263/2272
Standard	8.0/12.0/16.0/18.5	2.0	0.75	3.0	2.5	2220T/2221/2228
	8.5/12.5/16.5/18.5				3.0	2227T/2228T/2245
	9.0/13.0/17.0/19.0				3.5	2235/2240N/2243C
	9.5/13.5/17.5/19.5				4.0	2240/2243/2245T/2263/2272
Alternate						



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



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	1220-14XXXXRXXXCOXX $\triangle A1$
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	1/2	PH2.00 FOUR ROW 90°H=2.0 CONCAVE BENDING
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/04			

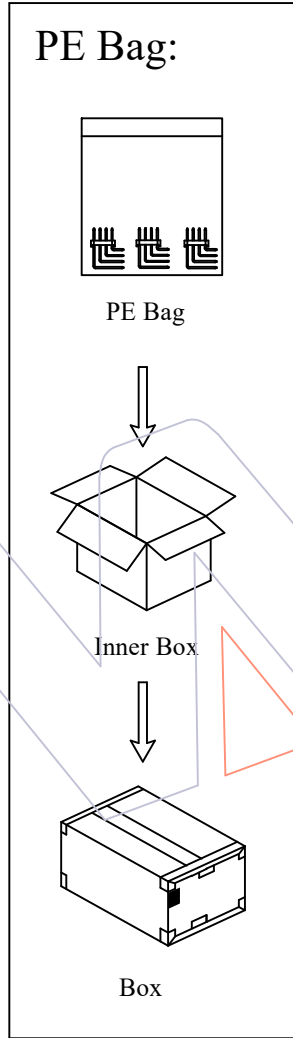
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HSF

Packing:



Packaging Quantity Refers To The Following Table

PINS /Row	Q'ty/Bag (8.0 ≤ L ≤ 10.5)	PINS /Row	Q'ty/Bag (8.0 ≤ L ≤ 10.5)
2	1000	22	100
3	800	23	100
4	600	24	100
5	400	25	100
6	400	26	100
7	300	27	50
8	300	28	50
9	200	29	50
10	200	30	50
11	200	31	50
12	200	32	50
13	200	33	50
14	100	34	50
15	100	35	30
16	100	36	30
17	100	37	30
18	100	38	30
19	100	39	30
20	50	40	30
21	100		

A3	2025/08/04	Standardization Drawing	CP	OPERATION		DRAW	DATE	SCALE	Fit	PART NO. 1220-14XXXXRXXXCOXX
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 90°H=2.0 CONCAVE BENDING
A0	2012/04/26	NEW	William Chen	x.XXX	±0.15	TANG	2025/08/04	SHEET	2/2	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3'	APPROVE	DATE	PROJ.	⊕	Customer NO.
				DIM	TOL	Steven Zhao	2025/08/04			

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