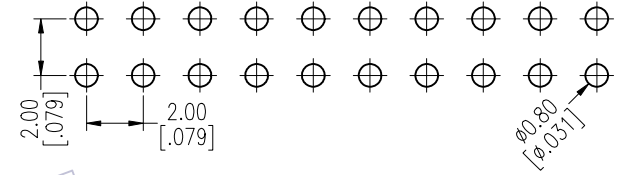
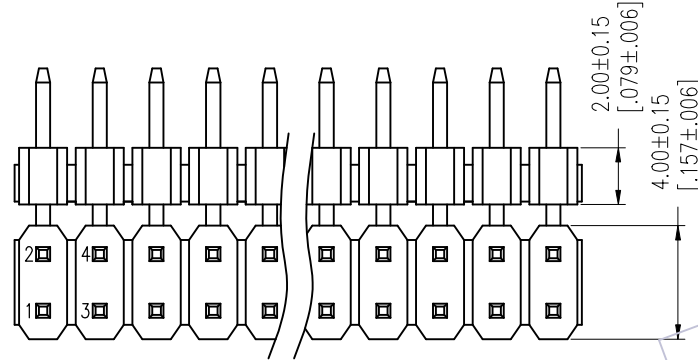


# HSF

**NOTES:**

- Rated Current: 3.0AMP.(20°C, 2\*2P-2\*15P)
- 2.0AMP.(20°C, 2\*16P-2\*40P) A2
- 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) A2
- Contact Material: Copper Alloy
- Contact Plating: Au or Sn Over 30u" Min Ni A2
- Insulator Material: PA9T+G.F UL94V-0 BK A2

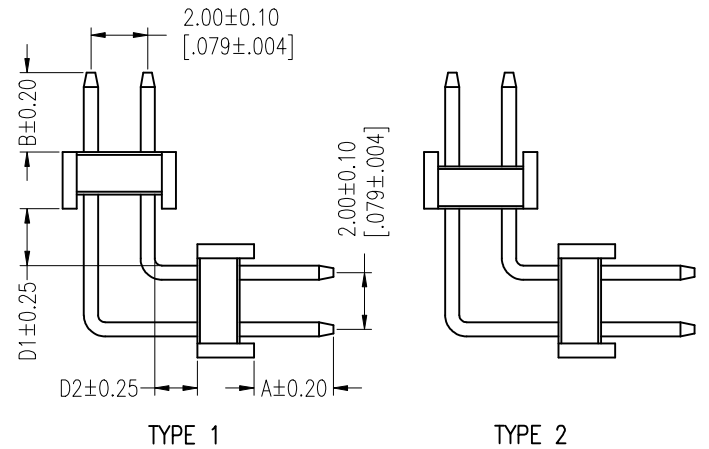
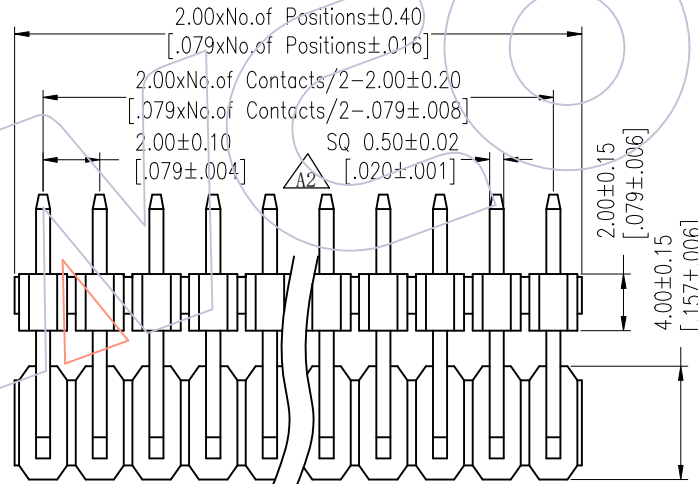
Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ±0.05)  
(PCB Thickness: T=1.60mm)



## Ordering Information

1220- 2 2 XX XX R XXX C 0 XX 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 A2
- Insulator Material C=PA9T
- Pin Length L(See Table)
- Type: R/R/A
- Packing 0=PE Bag
- Series No. 01-99



REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/08/06	Standardization Drawing	CP	x.X ±0.40	CP	2025/08/06	UNIT	mm	1220-22XXXXRXXXCOXX <span style="border: 1px solid black; padding: 2px;">A1</span>
A1	2018/01/19	Modify P/N	Liu	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE: PH2.00 DUAL ROW DOUBLE PLASTIC 90° H=2.0 MIDDLE BENDING
AO	2012/04/26	NEW	William Chen	x.XXX ±0.15	TANG	2025/08/06	SHEET	1/3	
				Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/06			



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# HSF

## Table

Item	Pin Length Short/Long	A	D1	D2	B	Mating
Standard	11.8/15.8	1.2	1.2	1.2	2.5	2220T/2221/2228
	12.3/16.3				3.0	2227T/2228T/2245
	12.8/16.8				3.5	2235/2240N/2243C
	13.3/17.3				4.0	2240/2243/2245T/2263/2272
	14.5/18.5	1.8	3.2	3.2	2.5	2220T/2221/2228
	15.0/19.0				3.0	2227T/2228T/2245
	15.5/19.5				3.5	2235/2240N/2243C
	16.0/20.0				4.0	2240/2243/2245T/2263/2272
	13.6/17.8	2.3	1.9	1.9	2.5	2220T/2221/2228
	14.2/18.2				3.0	2227T/2228T/2245
	14.7/18.7				3.5	2235/2240N/2243C
	15.2/19.2				4.0	2240/2243/2245T/2263/2272
	14.5/18.5	2.5	2.5	2.5	2.5	2220T/2221/2228
	15.0/19.0				3.0	2227T/2228T/2245
	15.5/19.5				3.5	2235/2240N/2243C
	16.0/20.0				4.0	2240/2243/2245T/2263/2272
	16.3/20.2	5.2	1.5	1.5	2.5	2220T/2221/2228
	16.8/20.8				3.0	2227T/2228T/2245
	17.2/21.3				3.5	2235/2240N/2243C
	17.8/21.8				4.0	2240/2243/2245T/2263/2272
22.2/26.2	5.2	7.5	7.5	2.5	2220T/2221/2228	
22.7/26.8				3.0	2227T/2228T/2245	
23.2/27.2				3.5	2235/2240N/2243C	
23.8/27.8				4.0	2240/2243/2245T/2263/2272	
Alternate						

Item	Pin Length Short/Long	A	D1	D2	B	Mating
Standard	11.0/15.0	1.2	1.2	1.2	2.5	2220T/2221/2228
	11.6/15.5				3.0	2227T/2228T/2245
	12.0/16.0				3.5	2235/2240N/2243C
	12.5/16.5				4.0	2240/2243/2245T/2263/2272
	13.8/17.8	1.8	3.2	3.2	2.5	2220T/2221/2228
	14.2/18.2				3.0	2227T/2228T/2245
	14.7/18.7				3.5	2235/2240N/2243C
	15.2/19.2				4.0	2240/2243/2245T/2263/2272
	12.8/16.8	2.3	1.9	1.9	2.5	2220T/2221/2228
	13.3/17.3				3.0	2227T/2228T/2245
	13.8/17.8				3.5	2235/2240N/2243C
	14.5/18.5				4.0	2240/2243/2245T/2263/2272
	13.8/17.8	2.0 (THR)	2.5	2.5	2.5	2220T/2221/2228
	14.2/18.2				3.0	2227T/2228T/2245
	14.7/18.7				3.5	2235/2240N/2243C
	15.2/19.2				4.0	2240/2243/2245T/2263/2272
	15.5/19.5	5.2	1.5	1.5	2.5	2220T/2221/2228
	15.8/19.8				3.0	2227T/2228T/2245
	16.5/20.5				3.5	2235/2240N/2243C
	16.8/20.8				4.0	2240/2243/2245T/2263/2272
21.5/25.5	5.2	7.5	7.5	2.5	2220T/2221/2228	
21.8/25.8				3.0	2227T/2228T/2245	
22.5/26.5				3.5	2235/2240N/2243C	
22.8/26.8				4.0	2240/2243/2245T/2263/2272	
Alternate						

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/08/06	Standardization Drawing	CP	x.X ±0.40	CP	2025/08/06	UNIT	mm	1220-22XXXXRXXXCOXX
A1	2018/01/19	Modify P/N	Liu	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
AO	2012/04/26	NEW	William Chen	x.XXX ±0.15	TANG	2025/08/06	SHEET	2/3	PH2.00 DUAL ROW DOUBLE PLASTIC 90° H=2.0 MIDDLE BENDING
				Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/06			

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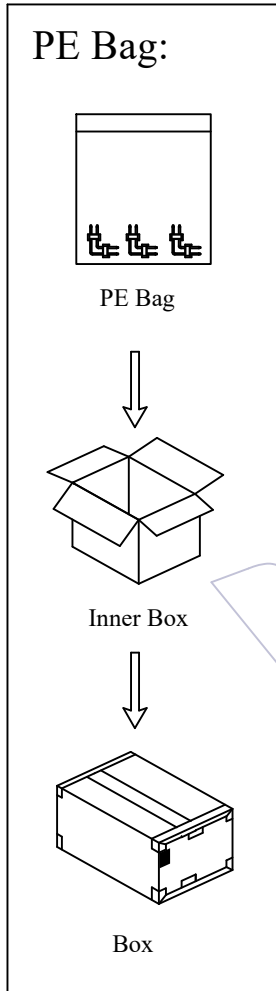
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# HSF

**Packing:**

**Packaging Quantity Refers To The Following Table**



PINS /Row	Q'ty/Bag (11.0 < L ≤ 16.0) (L > 16.0)	PINS /Row	Q'ty/Bag (11.0 < L ≤ 16.0) (L > 16.0)
1	1000	21	100
2	1000	22	100
3	1000	23	100
4	1000	24	100
5	500	25	100
6	500	26	50
7	300	27	50
8	300	28	50
9	300	29	50
10	300	30	50
11	300	31	50
12	200	32	50
13	200	33	50
14	200	34	50
15	200	35	50
16	100	36	50
17	100	37	50
18	100	38	50
19	100	39	50
20	100	40	50

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	Fit	PART NO.
A2	2025/08/06	Standardization Drawing	CP	x.X ±0.40	CP	2025/08/06	UNIT	mm	1220-22XXXXRXXCOXX
A1	2018/01/19	Modify P/N	Liu	x.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
AO	2012/04/26	NEW	William Chen	x.XXX ±0.15	TANG	2025/08/06	SHEET	3/3	PH2.00 DUAL ROW DOUBLE PLASTIC 90° H=2.0 MIDDLE BENDING
				Angle ± 3'	APPROVE	DATE	PROJ.		Customer NO.
				DIM TOL	Steven Zhao	2025/08/06			



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