

HSF

NOTES:

Rated Current: 3.0AMP.(20°C,1*2P-1*15P)
 2.0AMP.(20°C,1*16P-1*40P) $\triangle A4$
 Contact Resistance: 20m Ω Max.
 Withstand Voltage: 500V AC/DC
 Insulation Resistance: 1000M Ω Min.
 Operation Temperature: -40°C to +125°C(Gold Plating) $\triangle A2$ $\triangle A4$
 -40°C to +105°C(Tin Plating) $\triangle A2$ $\triangle A4$

Contact Material: Copper Alloy
 Contact Plating: Au or Sn Over 30u" Min Ni $\triangle A4$
 Insulator Material: PA9T+G.F UL94V-0 BK $\triangle A4$

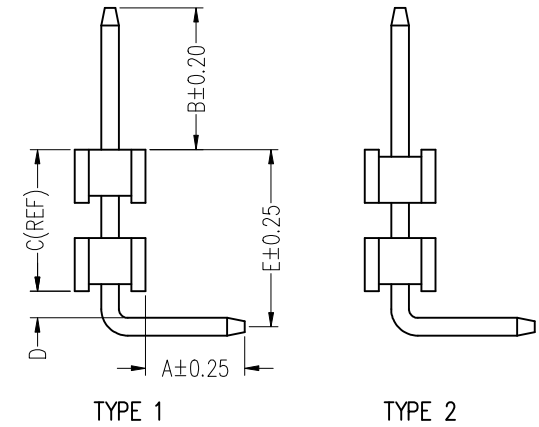
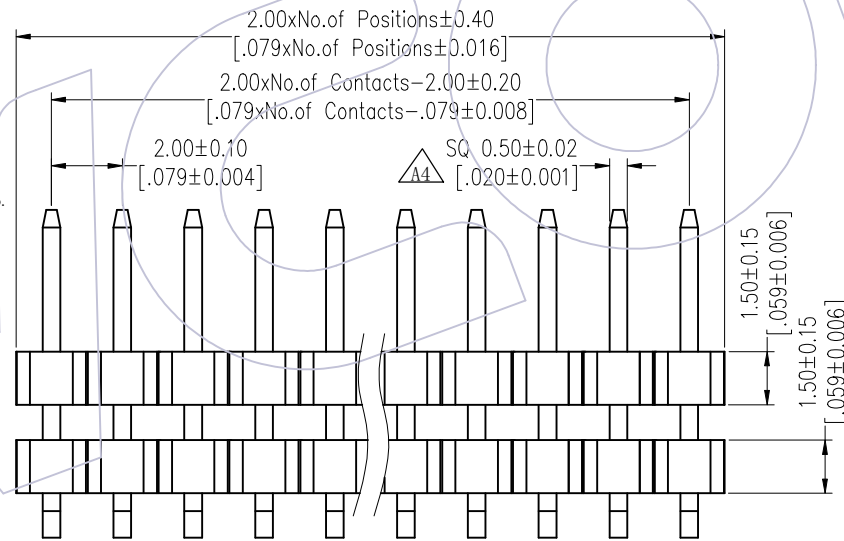
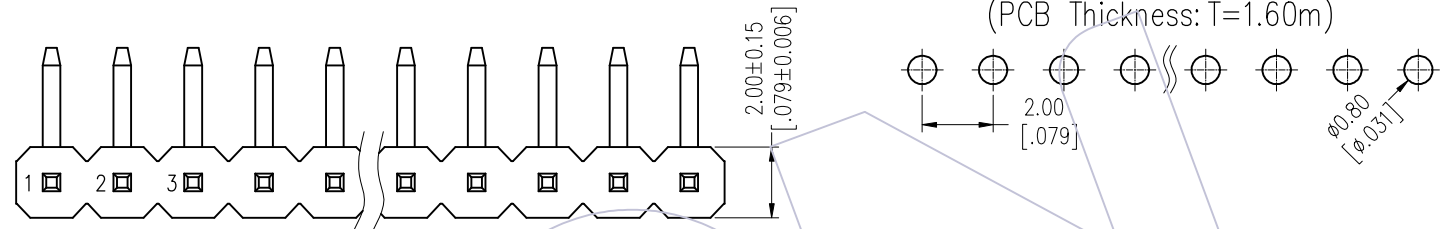
Ordering Information

1215- 2 1 XX XX R XXX C 0 XX $\triangle A1$

Plastic Layer
 Plastic Row
 No. of Pins Per Row: 02~40 $\triangle A3$
 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 $\triangle A4$

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



| | | | | | | | | | |
|-----|------------|--------------------------|--------------|-------------|-------------|------------|-------|-----|---|
| A4 | 2025/07/29 | Standardization Drawing | CP | OPERATION | DRAW | DATE | SCALE | Fit | PART NO. |
| A3 | 2020/06/12 | Modify Pin 02~40P | Du Ying | x.x ±0.40 | CP | 2025/07/29 | UNIT | mm | 1215-21XXXXRXXXCOXX $\triangle A1$ |
| A2 | 2019/03/04 | Modify | Ding | x.xx ±0.25 | CHECK | DATE | SIZE | A4 | TITLE: |
| A0 | 2012/04/18 | NEW | William Chen | x.xxx ±0.15 | TANG | 2025/07/29 | SHEET | 1/2 | PH2.00 SINGLE ROW DOUBLE PLASTIC 90° H=1.5 CONCAVE BENDING |
| REV | DATE | MODIFICATION DESCRIPTION | CHANGE | Angle ± 3° | APPROVE | DATE | PROJ. | | Customer NO. |
| | | | | DIM TOL | Steven Zhao | 2025/07/29 | | | |

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HSF

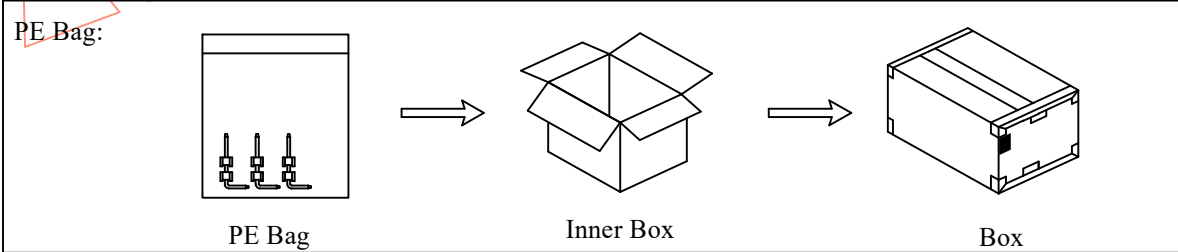
Packaging Quantity Refers To The Following Table

Table 1

| Item | Pin Length | A | C | D | E | B | Mating |
|-----------|------------|--------------|------|------|------|-----|---------------------------|
| Standard | 12.0 | 2.80 | 4.2 | 1.5 | 5.95 | 2.5 | 2220T/2221/2228 |
| | 12.5 | | | | | 3.0 | 2227T/2228T/2245 |
| | 13.0 | | | | | 3.5 | 2235/2240N/2243C |
| | 13.5 | | | | | 4.0 | 2240/2243/2245T/2263/2272 |
| | 21.3 | | 14.1 | 0.95 | 15.3 | 2.5 | 2220T/2221/2228 |
| | 21.8 | | | | | 3.0 | 2227T/2228T/2245 |
| | 22.2 | | | | | 3.5 | 2235/2240N/2243C |
| | 22.8 | | | | | 4.0 | 2240/2243/2245T/2263/2272 |
| Standard | 11.0 | 2.0 (THR) | 4.2 | 1.50 | 5.95 | 2.5 | 2220T/2221/2228 |
| | 11.5 | | | | | 3.0 | 2227T/2228T/2245 |
| | 12.0 | | | | | 3.5 | 2235/2240N/2243C |
| | 12.5 | | | | | 4.0 | 2240/2243/2245T/2263/2272 |
| | 20.3 | | 14.1 | 0.95 | 15.3 | 2.5 | 2220T/2221/2228 |
| | 20.8 | | | | | 3.0 | 2227T/2228T/2245 |
| | 21.3 | | | | | 3.5 | 2235/2240N/2243C |
| | 21.8 | | | | | 4.0 | 2240/2243/2245T/2263/2272 |
| Alternate | | | | | | | |

| PINS | Q'ty/Bag (L ≤ 13.0) | PINS | Q'ty/Bag (L ≤ 13.0) | PINS | Q'ty/Bag (13.0 < L ≤ 18.0) | PINS | Q'ty/Bag (13.0 < L ≤ 18.0) |
|------|------------------------|------|------------------------|------|-------------------------------|------|-------------------------------|
| 1 | 1000 | 21 | 500 | 1 | 1000 | 21 | 200 |
| 2 | 1000 | 22 | 500 | 2 | 1000 | 22 | 200 |
| 3 | 1000 | 23 | 500 | 3 | 1000 | 23 | 200 |
| 4 | 1000 | 24 | 500 | 4 | 500 | 24 | 200 |
| 5 | 1000 | 25 | 500 | 5 | 500 | 25 | 200 |
| 6 | 1000 | 26 | 500 | 6 | 500 | 26 | 200 |
| 7 | 1000 | 27 | 500 | 7 | 300 | 27 | 150 |
| 8 | 1000 | 28 | 500 | 8 | 300 | 28 | 150 |
| 9 | 1000 | 29 | 400 | 9 | 300 | 29 | 150 |
| 10 | 1000 | 30 | 400 | 10 | 300 | 30 | 150 |
| 11 | 1000 | 31 | 400 | 11 | 300 | 31 | 150 |
| 12 | 1000 | 32 | 400 | 12 | 200 | 32 | 100 |
| 13 | 500 | 33 | 400 | 13 | 200 | 33 | 100 |
| 14 | 500 | 34 | 300 | 14 | 200 | 34 | 100 |
| 15 | 500 | 35 | 300 | 15 | 200 | 35 | 100 |
| 16 | 500 | 36 | 200 | 16 | 200 | 36 | 100 |
| 17 | 500 | 37 | 200 | 17 | 200 | 37 | 100 |
| 18 | 500 | 38 | 200 | 18 | 200 | 38 | 100 |
| 19 | 500 | 39 | 200 | 19 | 200 | 39 | 100 |
| 20 | 500 | 40 | 200 | 20 | 200 | 40 | 100 |

Packing:



| REV | DATE | MODIFICATION DESCRIPTION | CHANGE | DIM | TOL | APPROVE | DATE | PROJ. | SCALE | Fit | PART NO. | TITLE: |
|-----|------------|--------------------------|--------------|-------|-------|-------------|------------|-------|-------|-----|---------------------|--|
| A4 | 2025/07/29 | Standardization Drawing | CP | | | DRAW | 2025/07/29 | | UNIT | mm | 1215-21XXXXRXXXCOXX | PH2.00 SINGLE ROW DOUBLE PLASTIC 90° H=1.5 CONCAVE BENDING |
| A3 | 2020/06/12 | Modify Pin 02~40P | Du Ying | x.X | ±0.40 | CHECK | 2025/07/29 | | SIZE | A4 | | |
| A2 | 2019/03/04 | Modify | Ding | x.xx | ±0.25 | TANG | 2025/07/29 | | SHEET | 2/2 | | |
| A0 | 2012/04/18 | NEW | William Chen | Angle | ± 3° | APPROVE | 2025/07/29 | | PROJ. | | | |
| | | | | | | Steven Zhao | | | | | Customer NO. | |

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