

HSF

NOTES:

Rated Current:5.0AMP.(20°C,2*2P-2*15P)
3.0AMP.(20°C,2*16P-2*40P) $\Delta A4$

Contact Resistance:20mΩ Max.

Withstand Voltage:1000V AC/DC

Insulation Resistance:1000MΩ Min.

Operation Temperature:-40°C to +125°C(Gold Plating)
-40°C to +105°C(Tin Plating) $\Delta A4$

Contact Material:Copper Alloy

Contact Plating:Au or Sn Over 30u" Min Ni $\Delta A4$

Insulator Material:PA9T+G.F UL94V-0 BK

Ordering Information

1125-1 2 XX XX M XXX C X XX

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
T=Tube
P=Tube+CAP
R=Tape & Reel+CAP

Insulator Material
C=PA9T(Standard)

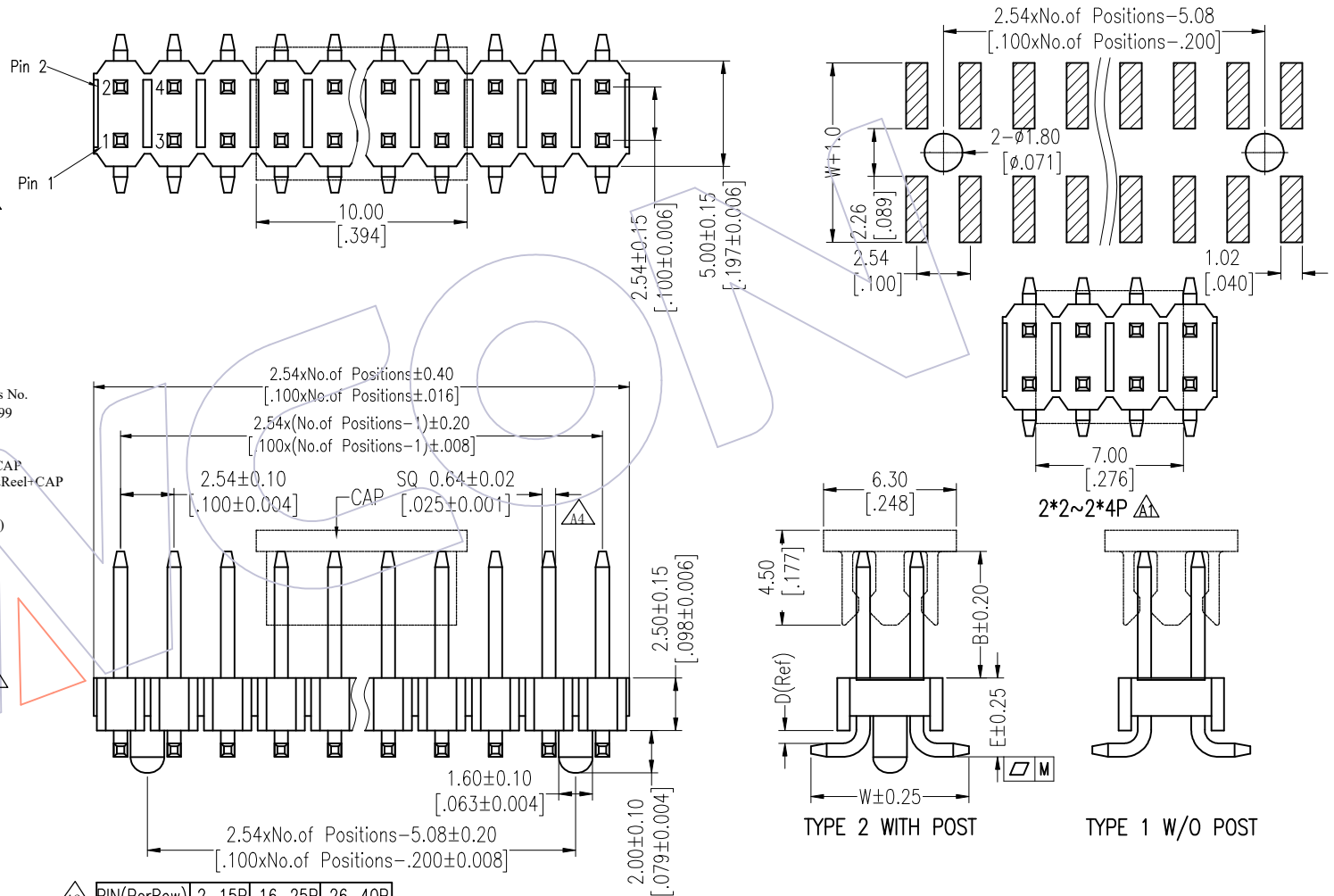
Pin Length
L(See Table)

Type:
M=SMT

| Item | Pin Length | W | D | E | B | Mating | |
|-----------|------------|------|------|------|------|-----------------|-------------|
| Standard | 8.50 | 7.37 | 0.60 | 3.34 | 3.5 | 2135/2150T/2157 | |
| | 8.90 | | | 3.74 | | | |
| | 9.0 | | | 3.34 | 4.0 | | 2145/2150 |
| | 9.30 | | | 3.74 | | | |
| | 10.0 | | | 3.34 | 5.0 | | 2168T/2171T |
| | 10.30 | | | 3.74 | | | |
| | 10.8 | | | 3.34 | 5.84 | | 2171/2185X |
| 11.30 | 3.74 | | | | | | |
| Alternate | | | | | | | |

| PIN(PerRow) | 2-15P | 16-25P | 26-40P |
|-------------|-------|--------|--------|
| M | 0.10 | 0.15 | 0.18 |

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



| REV | DATE | MODIFICATION DESCRIPTION | CHANGE | OPERATION | DRAW | DATE | SCALE | Fit | PART NO. |
|-----|------------|--------------------------|---------|-------------|-------------|------------|-------|-----|---------------------------|
| A4 | 2025/01/02 | Standardization Drawing | CP | OPERATION | DRAW | DATE | SCALE | Fit | PART NO. |
| A3 | 2023/02/03 | Add Flatness | Ruipeng | x.X ±0.40 | CP | 2025/01/02 | UNIT | mm | 1125-12XXXXMXXXCXXX |
| A2 | 2018/01/22 | Modify P/N | Ruipeng | x.XX ±0.25 | CHECK | DATE | SIZE | A4 | TITLE: |
| A0 | 2012/05/28 | NEW | Ruipeng | x.XXX ±0.15 | TANG | 2025/01/02 | SHEET | 1/4 | PH2.54 DUAL ROW SMT H=2.5 |
| | | | | Angle ± 3' | APPROVE | DATE | PROJ. | | Customer NO. |
| | | | | DIM TOL | Steven Zhao | 2025/01/02 | | | |

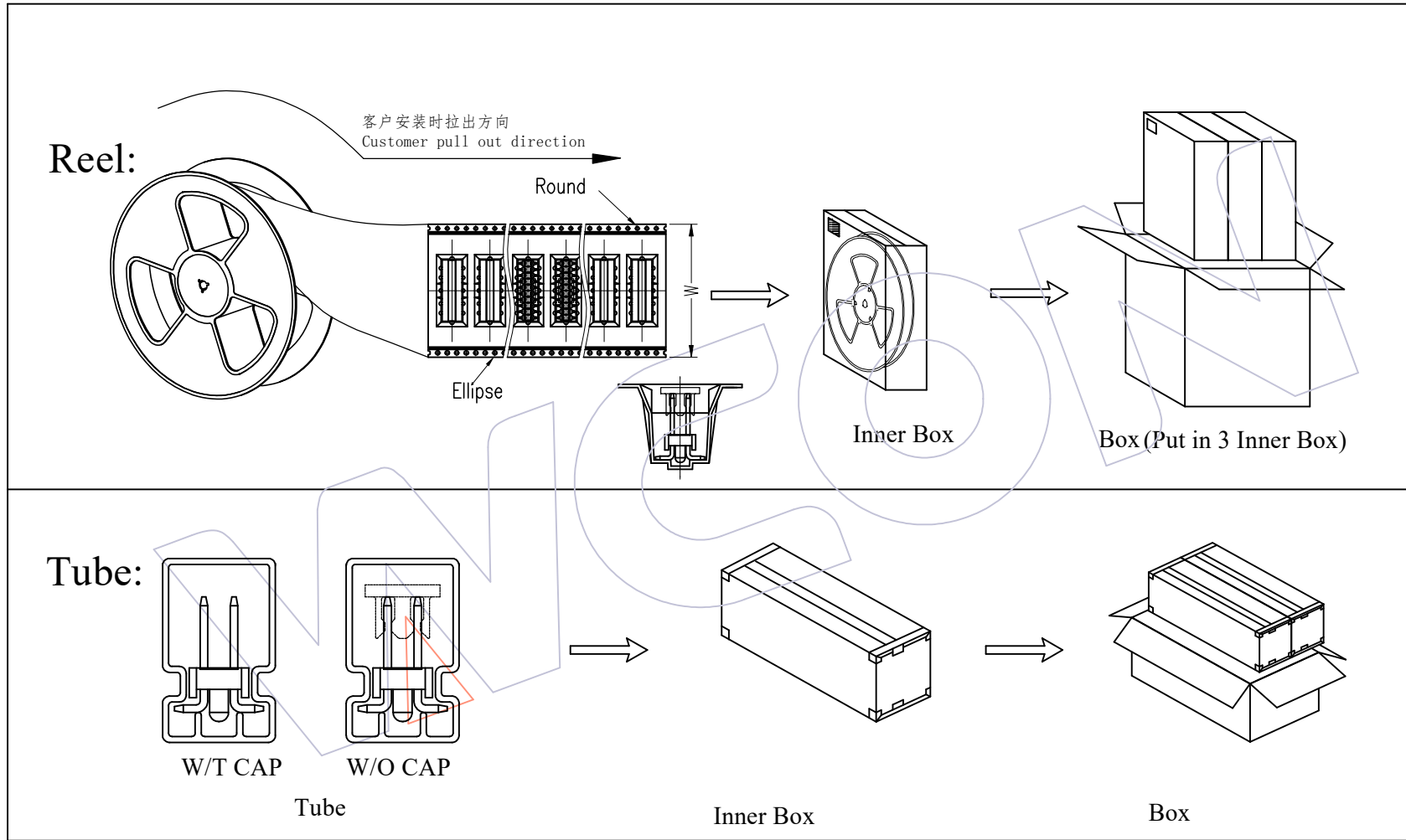
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Packing:



| | | | | | | | | | |
|-----|------------|--------------------------|---------|-------------|-------------|------------|-------|----------------|---------------------------|
| A4 | 2025/01/02 | Standardization Drawing | CP | OPERATION | DRAW | DATE | SCALE | Fit | PART NO. |
| A3 | 2023/02/03 | Add Flatness | Ruipeng | x.X ±0.40 | CP | 2025/01/02 | UNIT | [mm] [inch] | 1125-12XXXXMXXXCXXX |
| A2 | 2018/01/22 | Modify P/N | Ruipeng | x.XX ±0.25 | CHECK | DATE | SIZE | A4 | TITLE: |
| A0 | 2012/05/28 | NEW | Ruipeng | x.XXX ±0.15 | TANG | 2025/01/02 | SHEET | 2/4 | PH2.54 DUAL ROW SMT H=2.5 |
| REV | DATE | MODIFICATION DESCRIPTION | CHANGE | Angle ± 3' | APPROVE | DATE | PROJ. | ⊕ | Customer NO. |
| | | | | DIM TOL | Steven Zhao | 2025/01/02 | | | |

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HSF

Packaging Quantity Refers To The Following Table

| PINS /Row | Q' ty/Tube | Q' ty/Inner Box | Q' ty/Box |
|-----------|------------|-----------------|-----------|
| 4 | 57 | 6,840 | 13,680 |
| 5 | 46 | 5,520 | 11,040 |
| 6 | 38 | 4,560 | 9,120 |
| 7 | 32 | 3,840 | 7,680 |
| 8 | 28 | 3,360 | 6,720 |
| 9 | 25 | 3,000 | 6,000 |
| 10 | 22 | 2,640 | 5,280 |
| 11 | 20 | 2,400 | 4,800 |
| 12 | 19 | 2,280 | 4,560 |
| 13 | 17 | 2,040 | 4,080 |
| 14 | 16 | 1,920 | 3,840 |
| 15 | 15 | 1,800 | 3,600 |
| 16 | 14 | 1,680 | 3,360 |
| 17 | 13 | 1,560 | 3,120 |
| 18 | 12 | 1,440 | 2,880 |
| 19 | 11 | 1,320 | 2,640 |
| 20 | 11 | 1,320 | 2,640 |
| 21 | 10 | 1,200 | 2,400 |
| 22 | 10 | 1,200 | 2,400 |

| PINS /Row | Q' ty/Tube | Q' ty/Inner Box | Q' ty/Box |
|-----------|------------|-----------------|-----------|
| 23 | 9 | 1,080 | 2,160 |
| 24 | 9 | 1,080 | 2,160 |
| 25 | 9 | 1,080 | 2,160 |
| 26 | 8 | 960 | 1,920 |
| 27 | 8 | 960 | 1,920 |
| 28 | 8 | 960 | 1,920 |
| 29 | 7 | 840 | 1,680 |
| 30 | 7 | 840 | 1,680 |
| 31 | 7 | 840 | 1,680 |
| 32 | 7 | 840 | 1,680 |
| 33 | 6 | 720 | 1,440 |
| 34 | 6 | 720 | 1,440 |
| 35 | 6 | 720 | 1,440 |
| 36 | 6 | 720 | 1,440 |
| 37 | 6 | 720 | 1,440 |
| 38 | 5 | 600 | 1,200 |
| 39 | 5 | 600 | 1,200 |
| 40 | 5 | 600 | 1,200 |

B=3.5

| PINS /Row | W | Q' ty/Reel | Q' ty/Inner Box | Q' ty/Box |
|-----------|----|------------|-----------------|-----------|
| 2 | 24 | 420 | 1,260 | 3,780 |
| 3 | 24 | 420 | 1,260 | 3,780 |
| 4 | 24 | 420 | 1,260 | 3,780 |
| 5 | 32 | 420 | 840 | 2,520 |
| 6 | 32 | 420 | 840 | 2,520 |
| 7 | 44 | 420 | 840 | 2,520 |
| 8 | 44 | 420 | 840 | 2,520 |
| 9 | 44 | 420 | 840 | 2,520 |
| 10 | 44 | 420 | 840 | 2,520 |
| 11 | 44 | 420 | 840 | 2,520 |
| 12 | 56 | 420 | 420 | 1,260 |
| 13 | 56 | 420 | 420 | 1,260 |
| 14 | 56 | 420 | 420 | 1,260 |
| 15 | 56 | 420 | 420 | 1,260 |
| 16 | 72 | 420 | 420 | 1,260 |
| 17 | 72 | 420 | 420 | 1,260 |
| 18 | 72 | 420 | 420 | 1,260 |
| 19 | 72 | 420 | 420 | 1,260 |
| 20 | 72 | 420 | 420 | 1,260 |
| 21 | 72 | 420 | 420 | 1,260 |
| 22 | 72 | 420 | 420 | 1,260 |
| 23 | 88 | 420 | 420 | 1,260 |
| 24 | 88 | 420 | 420 | 1,260 |
| 25 | 88 | 420 | 420 | 1,260 |
| 26 | 88 | 420 | 420 | 1,260 |
| 27 | 88 | 420 | 420 | 1,260 |

| | | | | | | | | | |
|-----|------------|--------------------------|---------|-------------|-------------|------------|-------|--------------|---------------------------|
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| A3 | 2023/02/03 | Add Flatness | Ruipeng | x.X ±0.40 | CP | 2025/01/02 | UNIT | mm [inch] | 1125-12XXXXMXXXCXXX |
| A2 | 2018/01/22 | Modify P/N | Ruipeng | x.XX ±0.25 | CHECK | DATE | SIZE | A4 | TITLE: |
| A0 | 2012/05/28 | NEW | Ruipeng | x.XXX ±0.15 | TANG | 2025/01/02 | SHEET | 3/4 | PH2.54 DUAL ROW SMT H=2.5 |
| REV | DATE | MODIFICATION DESCRIPTION | CHANGE | Angle ± 3' | APPROVE | DATE | PROJ. | Customer NO. | |
| | | | | DIM TOL | Steven Zhao | 2025/01/02 | | | |

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Packaging Quantity Refers To The Following Table

B=4.0

| PINS /Row | W | Q' ty/Reel | Q' ty/Inner Box | Q' ty/Box |
|-----------|----|------------|-----------------|-----------|
| 2 | 24 | 380 | 1,140 | 3,420 |
| 3 | 24 | 380 | 1,140 | 3,420 |
| 4 | 24 | 380 | 1,140 | 3,420 |
| 5 | 32 | 380 | 760 | 2,280 |
| 6 | 32 | 380 | 760 | 2,280 |
| 7 | 44 | 380 | 760 | 2,280 |
| 8 | 44 | 380 | 760 | 2,280 |
| 9 | 44 | 380 | 760 | 2,280 |
| 10 | 44 | 380 | 760 | 2,280 |
| 11 | 56 | 380 | 380 | 1,140 |
| 12 | 56 | 380 | 380 | 1,140 |
| 13 | 56 | 380 | 380 | 1,140 |
| 14 | 56 | 380 | 380 | 1,140 |
| 15 | 56 | 380 | 380 | 1,140 |
| 16 | 72 | 380 | 380 | 1,140 |
| 17 | 72 | 380 | 380 | 1,140 |
| 18 | 72 | 380 | 380 | 1,140 |
| 19 | 72 | 380 | 380 | 1,140 |
| 20 | 72 | 380 | 380 | 1,140 |
| 21 | 72 | 380 | 380 | 1,140 |
| 22 | 88 | 380 | 380 | 1,140 |
| 23 | 88 | 380 | 380 | 1,140 |
| 24 | 88 | 380 | 380 | 1,140 |
| 25 | 88 | 380 | 380 | 1,140 |
| 26 | 88 | 380 | 380 | 1,140 |
| 27 | 88 | 380 | 380 | 1,140 |

B=5.0/5.84

| PINS /Row | W | Q' ty/Reel | Q' ty/Inner Box | Q' ty/Box |
|-----------|----|------------|-----------------|-----------|
| 2 | 24 | 300 | 900 | 2,700 |
| 3 | 24 | 300 | 900 | 2,700 |
| 4 | 24 | 300 | 900 | 2,700 |
| 5 | 32 | 300 | 600 | 1,800 |
| 6 | 44 | 300 | 600 | 1,800 |
| 7 | 44 | 300 | 600 | 1,800 |
| 8 | 44 | 300 | 600 | 1,800 |
| 9 | 44 | 300 | 600 | 1,800 |
| 10 | 44 | 300 | 600 | 1,800 |
| 11 | 56 | 300 | 300 | 900 |
| 12 | 56 | 300 | 300 | 900 |
| 13 | 56 | 300 | 300 | 900 |
| 14 | 56 | 300 | 300 | 900 |
| 15 | 72 | 300 | 300 | 900 |
| 16 | 72 | 300 | 300 | 900 |
| 17 | 72 | 300 | 300 | 900 |
| 18 | 72 | 300 | 300 | 900 |
| 19 | 72 | 300 | 300 | 900 |
| 20 | 72 | 300 | 300 | 900 |
| 21 | 88 | 300 | 300 | 900 |
| 22 | 88 | 300 | 300 | 900 |
| 23 | 88 | 300 | 300 | 900 |
| 24 | 88 | 300 | 300 | 900 |
| 25 | 88 | 300 | 300 | 900 |
| 26 | 88 | 300 | 300 | 900 |
| 27 | 88 | 300 | 300 | 900 |

| | | | | | | | | | |
|-----|------------|--------------------------|---------|-------------|-------------|------------|-------|--------------|---------------------------|
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A
B
C
D
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G

A
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F
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1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10