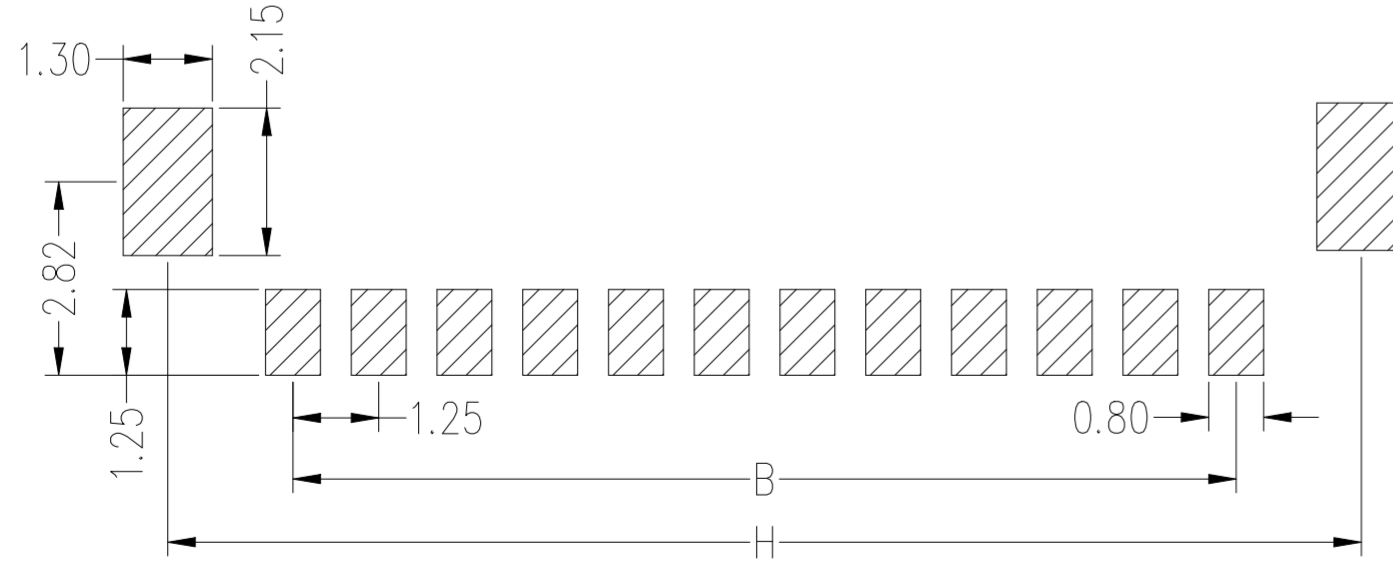
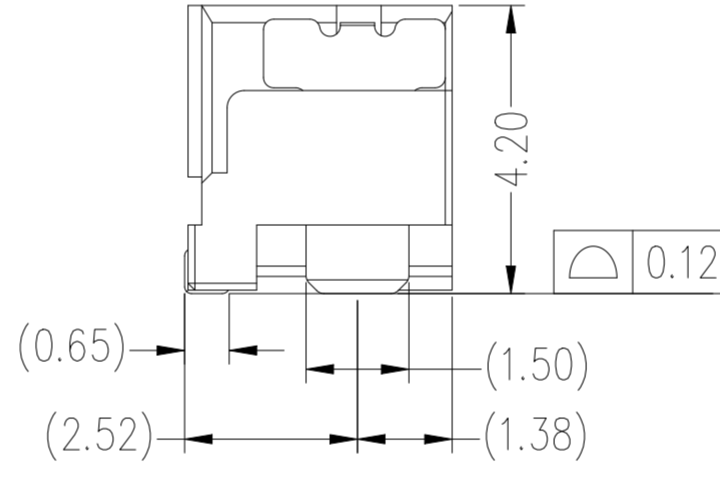
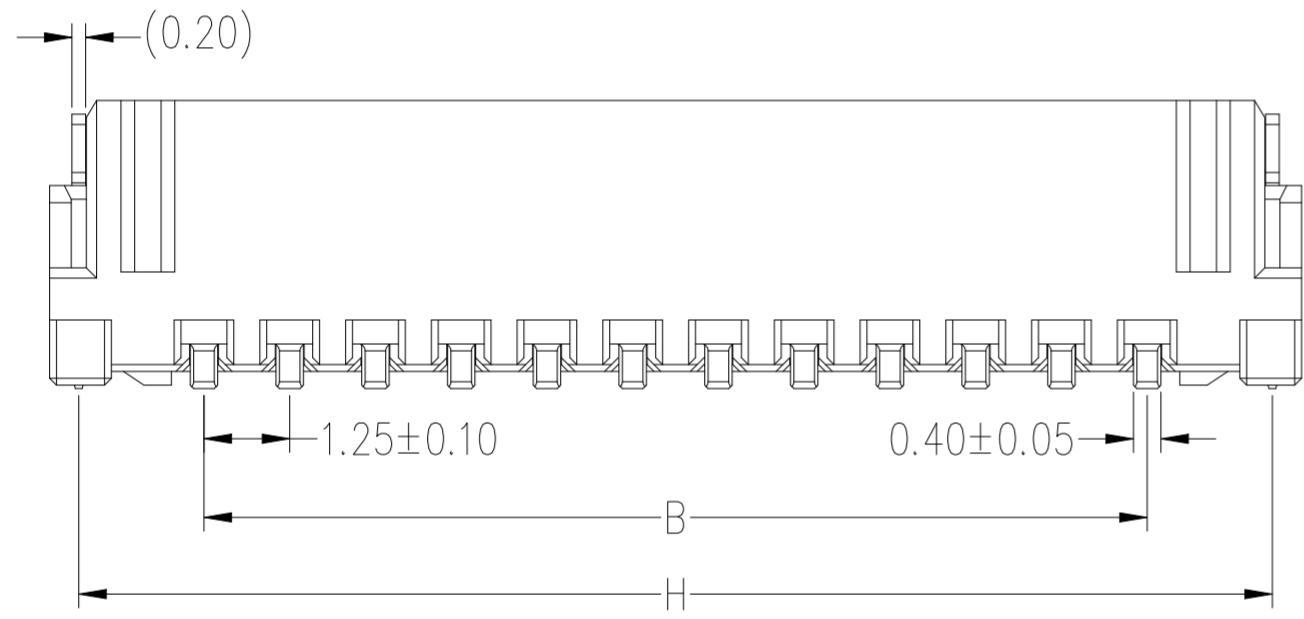
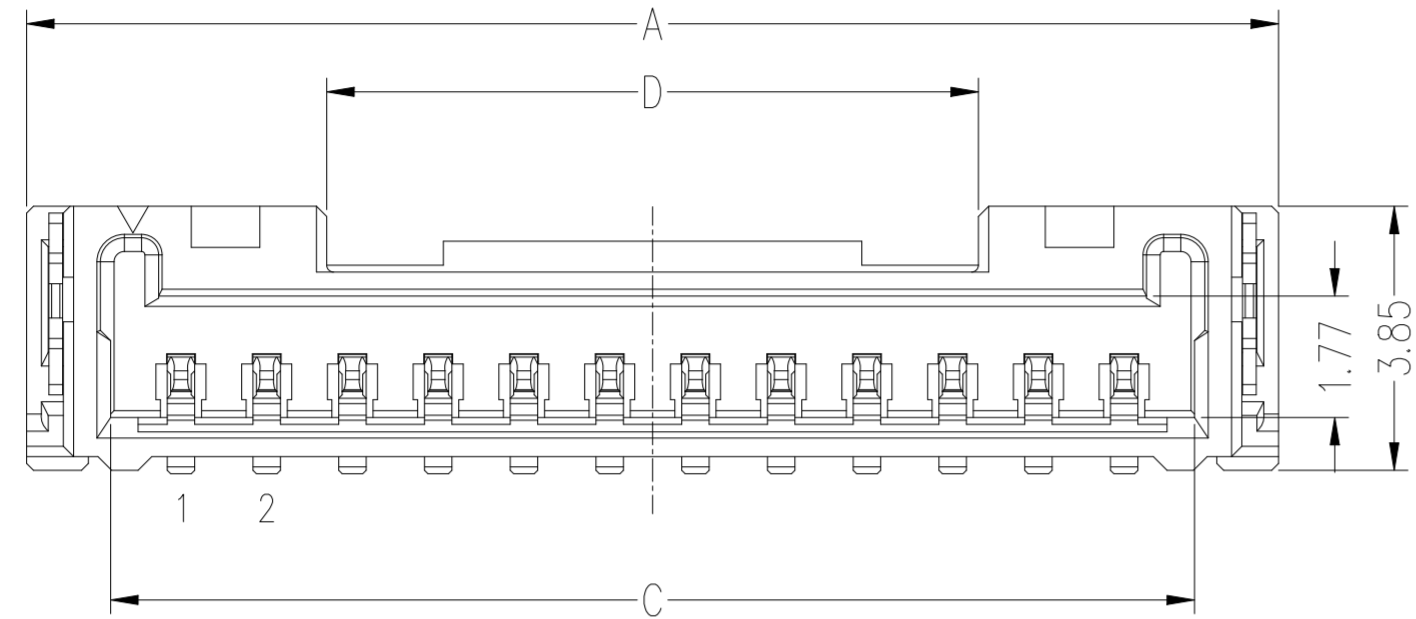


# Drawing for SMT Type

| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | A1  | Revised Per ECN-25-327268 | 16JUN2025 | MS  | JM   |

- NOTES:
- 1,Current Rating: See Table
  - 2,Contact Resistance: 20mΩ Max
  - 3,Withstand Voltage: 500V AC
  - 4,Insulation Resistance: 100MΩ Min
  - 5,Operation Temperature: -40°C to +125°C
  - 6,Housing: High Temperature Plastics, UL94 V-0, Black
  - 7,Cap: High Temperature Plastics, UL94 V-0, Black
  - 8,Contact: Copper Alloy  
Matte Tin or 0.02μm[0.8u"] Gold over Nickel
  - 9,Nail: Copper Alloy  
Matte Tin over Nickel
- Recommended Process:  
IR Soldering,Peak Temperature: 260±5°C,5s



RECOMMENDED P.C.B LAYOUT  
(COMPONENT SIDE)(TOLERANCE: ±0.05)

Rated Current at 23°C:

| Size Wire | 2P   | 8P   | 16P  |
|-----------|------|------|------|
| AWG#26    | 3.6A | 2.4A | 2.2A |
| AWG#28    | 3.1A | 2.1A | 1.8A |
| AWG#30    | 2.8A | 1.8A | 1.5A |

| PRODUCT FAMILY TABLE – SURFACE MOUNT |       |       |       |       |      |   |   |           |             |             |             |         |             |
|--------------------------------------|-------|-------|-------|-------|------|---|---|-----------|-------------|-------------|-------------|---------|-------------|
| PINS                                 | A     | B     | C     | D     | E    | F | G | H         | J           | TCPN (TIN)  | TCPN (GOLD) |         |             |
| 1x2                                  | 5.75  | 1.25  | 3.50  | 2.20  | 0.85 | / | / | 4.90      | 0.55        | 2496750-2   | 4-2496750-2 | 2496750 |             |
| 1x3                                  | 7.00  | 2.50  | 4.75  | 3.15  | 1.15 |   |   | 6.15      | 0.60        | 2496750-3   | 4-2496750-3 |         |             |
| 1x4                                  | 8.25  | 3.75  | 6.00  | 4.40  | 1.40 |   |   | 7.40      |             | 2496750-4   | 4-2496750-4 |         |             |
| 1x5                                  | 9.50  | 5.00  | 7.25  | 5.65  | 2.65 |   |   | 8.65      |             | 2496750-5   | 4-2496750-5 |         |             |
| 1x6                                  | 10.75 | 6.25  | 8.50  | 6.90  | 3.90 |   |   | 9.90      | 2496750-6   | 4-2496750-6 |             |         |             |
| 1x7                                  | 12.00 | 7.50  | 9.55  | 7.00  |      |   |   | 11.15     | 2496750-7   | 4-2496750-7 |             |         |             |
| 1x8                                  | 13.25 | 8.75  | 10.80 |       |      |   |   | 12.40     | 2496750-8   | 4-2496750-8 |             |         |             |
| 1x9                                  | 14.50 | 10.00 | 12.05 | 13.65 |      |   |   | 2496750-9 | 4-2496750-9 |             |             |         |             |
| 1x10                                 | 15.75 | 11.25 | 13.30 | 9.50  | 6.10 |   |   | 14.90     | 0.85        | 1-2496750-0 | 5-2496750-0 |         |             |
| 1x11                                 | 17.00 | 12.50 | 14.55 |       |      |   |   | 16.15     |             | 1-2496750-1 | 5-2496750-1 |         |             |
| 1x12                                 | 18.25 | 13.75 | 15.80 |       |      |   |   | 17.40     |             | 1-2496750-2 | 5-2496750-2 |         |             |
| 1x13                                 | 19.50 | 15.00 | 17.05 |       |      |   |   | 18.65     |             | 1-2496750-3 | 5-2496750-3 |         |             |
| 1x14                                 | 20.75 | 16.25 | 18.30 | 11.00 | 7.60 |   |   | 19.90     | 14.60       | 12.30       | 1-2496750-4 |         | 5-2496750-4 |
| 1x15                                 | 22.00 | 17.50 | 19.55 |       |      |   |   | 21.15     |             |             | 1-2496750-4 |         | 5-2496750-4 |
| 1x16                                 | 23.25 | 18.75 | 20.80 |       |      |   |   | 22.40     |             |             | 1-2496750-6 |         | 5-2496750-6 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                  |                           |           |                     |
|------------------|---------------------------|-----------|---------------------|
| DWN              | Madhan S                  | 10JAN2025 | <br>TE Connectivity |
| CHK              | JAGRUTI M                 | 06FEB2025 |                     |
| APVD             | JAGRUTI M                 | 06FEB2025 |                     |
| NAME             | 108-161761                |           |                     |
| PRODUCT SPEC     | 1.25MM WTB HDR SMT & THBL |           |                     |
| APPLICATION SPEC | -                         |           |                     |
| SIZE             | A2                        | 00779     | DRAWING NO          |
| WEIGHT           | 0                         | G=2496750 | RESTRICTED TO       |
| CUSTOMER DRAWING | SCALE 1:1                 |           | SHEET 1 of 6        |
|                  |                           |           | REV A1              |

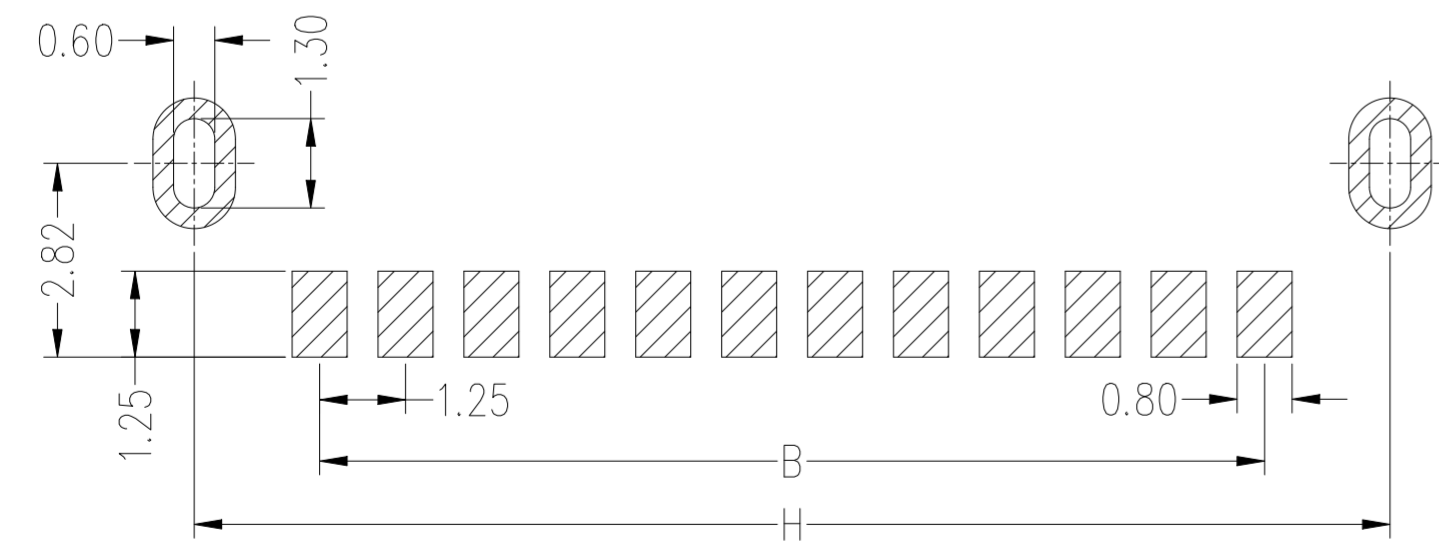
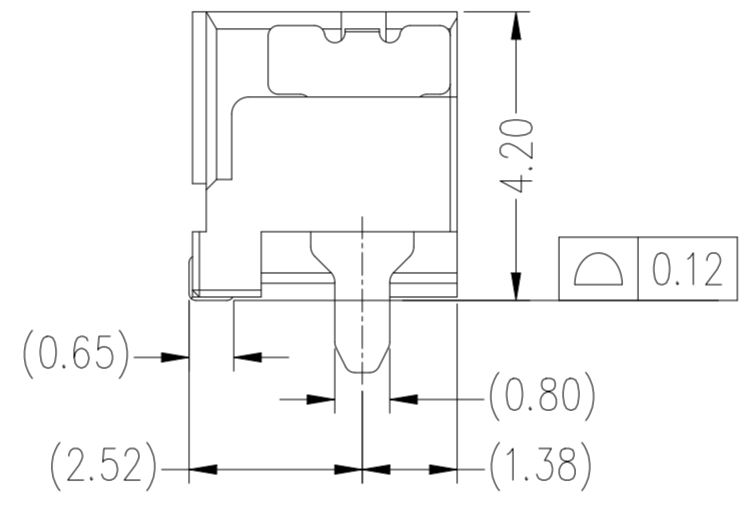
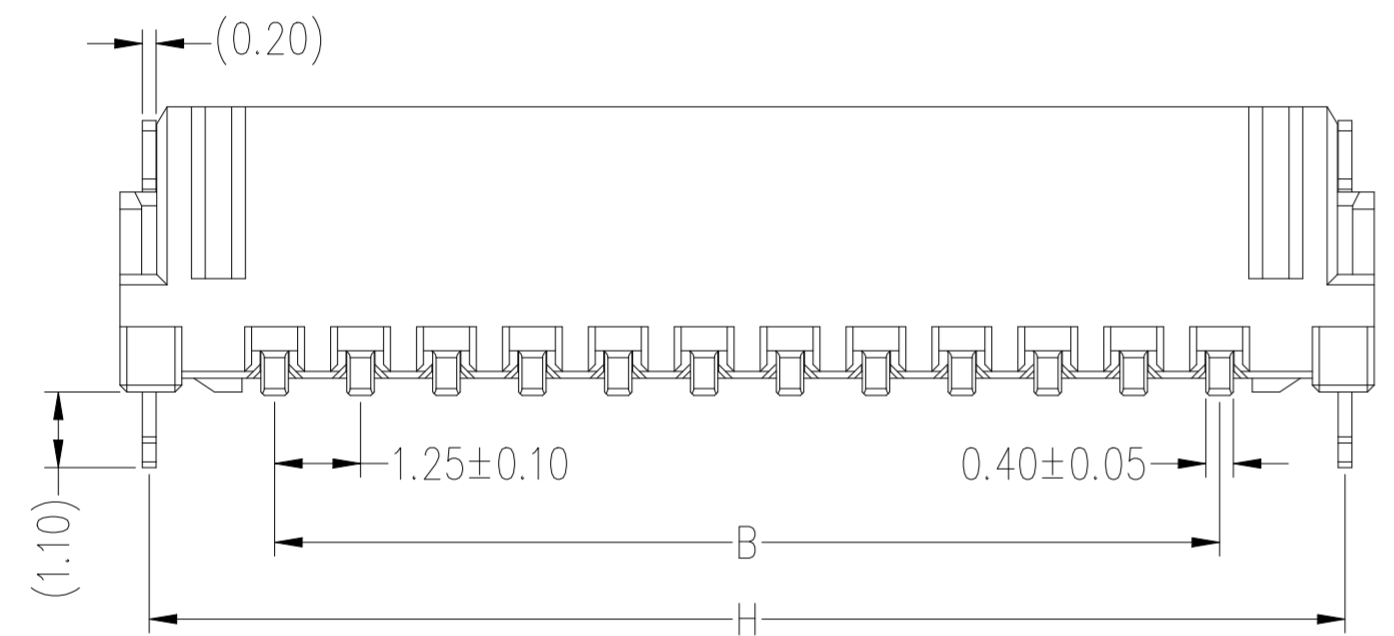
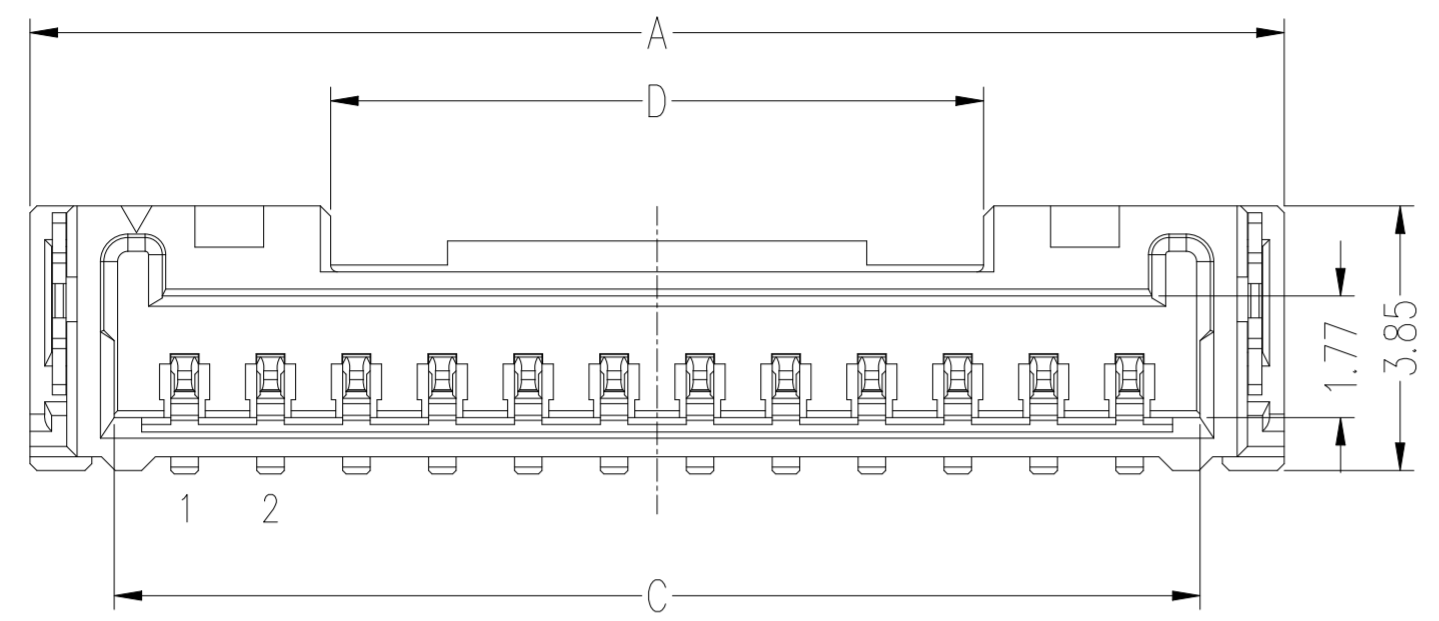
| REVISIONS |     |             |      |      |
|-----------|-----|-------------|------|------|
| P         | LTR | DESCRIPTION | DATE | APVD |
| -         | -   | SEE SHEET 1 | -    | -    |

# Drawing for THBL Type

- NOTES:
- 1,Current Rating: See Table
  - 2,Contact Resistance: 20mΩ Max
  - 3,Withstand Voltage: 500V AC
  - 4,Insulation Resistance: 100MΩ Min
  - 5,Operation Temperature: -40°C to +125°C
  - 6,Housing: High Temperature Plastics, UL94 V-0, Black
  - 7,Cap: High Temperature Plastics, UL94 V-0, Black
  - 8>Contact: Copper Alloy  
Matte Tin or 0.02μm[0.8u"] Gold over Nickel
  - 9,Nail: Copper Alloy  
Matte Tin over Nickel
- Recommended Process:  
IR Soldering,Peak Temperature: 260±5°C,5s

Rated Current at 23°C:

| Pins Size Wire | 2P   | 8P   | 16P  |
|----------------|------|------|------|
| AWG#26         | 3.6A | 2.4A | 2.2A |
| AWG#28         | 3.1A | 2.1A | 1.8A |
| AWG#30         | 2.8A | 1.8A | 1.5A |



RECOMMENDED P.C.B LAYOUT  
(COMPONENT SIDE)(TOLERANCE: ±0.05)

| PRODUCT FAMILY TABLE -THRU HOLE BOARD LOCK |       |       |       |       |      |   |   |             |             |             |             |             |
|--|-------|-------|-------|-------|------|---|---|-------------|-------------|-------------|-------------|-------------|
| PINS                                       | A     | B     | C     | D     | E    | F | G | H           | J           | TCPN (TIN)  | TCPN (GOLD) |             |
| 1x2  | 5.75  | 1.25  | 3.50  | 2.20  | 0.85 | / | / | 4.90        | 0.55        | 2-2496750-2 | 6-2496750-2 |             |
| 1x3  | 7.00  | 2.50  | 4.75  | 3.15  | 1.15 |   |   | 6.15        | 0.60        | 2-2496750-3 | 6-2496750-3 |             |
| 1x4  | 8.25  | 3.75  | 6.00  | 4.40  | 1.40 |   |   | 7.40        |             | 2-2496750-4 | 6-2496750-4 |             |
| 1x5  | 9.50  | 5.00  | 7.25  | 5.65  | 2.65 |   |   | 8.65        |             | 2-2496750-5 | 6-2496750-5 |             |
| 1x6  | 10.75 | 6.25  | 8.50  | 6.90  | 9.90 |   |   | 2-2496750-6 |             | 6-2496750-6 |             |             |
| 1x7  | 12.00 | 7.50  | 9.55  | 7.00  | 3.90 |   |   | 11.15       | 0.85        | 2-2496750-7 | 6-2496750-7 |             |
| 1x8  | 13.25 | 8.75  | 10.80 |       |      |   |   | 12.40       |             | 2-2496750-8 | 6-2496750-8 |             |
| 1x9  | 14.50 | 10.00 | 12.05 |       |      |   |   | 13.65       |             | 2-2496750-9 | 6-2496750-9 |             |
| 1x10                                       | 15.75 | 11.25 | 13.30 |       |      |   |   | 14.90       |             | 3-2496750-0 | 7-2496750-0 |             |
| 1x11                                       | 17.00 | 12.50 | 14.55 | 9.50  | 6.10 |   |   | 16.15       | 3-2496750-1 | 7-2496750-1 |             |             |
| 1x12                                       | 18.25 | 13.75 | 15.80 |       |      |   |   | 17.40       | 3-2496750-2 | 7-2496750-2 |             |             |
| 1x13                                       | 19.50 | 15.00 | 17.05 |       |      |   |   | 18.65       | 3-2496750-3 | 7-2496750-3 |             |             |
| 1x14                                       | 20.75 | 16.25 | 18.30 |       |      |   |   | 19.90       | 3-2496750-4 | 7-2496750-4 |             |             |
| 1x15                                       | 22.00 | 17.50 | 19.55 | 11.00 | 7.60 |   |   | 14.60       | 12.30       | 21.15       | 3-2496750-5 | 7-2496750-5 |
| 1x16                                       | 23.25 | 18.75 | 20.80 |       |      |   |   |             |             | 22.40       | 3-2496750-6 | 7-2496750-6 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: Madhan S, 10JAN2024  
CHK: JAGRUTI M, 10JAN2024  
APVD: JAGRUTI M, 06FEB2025

NAME: 108-161761  
PRODUCT SPEC: 108-161761  
APPLICATION SPEC: -

SIZE: A2, CAGE CODE: 00779, DRAWING NO: 2496750, RESTRICTED TO: -

MATERIAL: -, FINISH: -

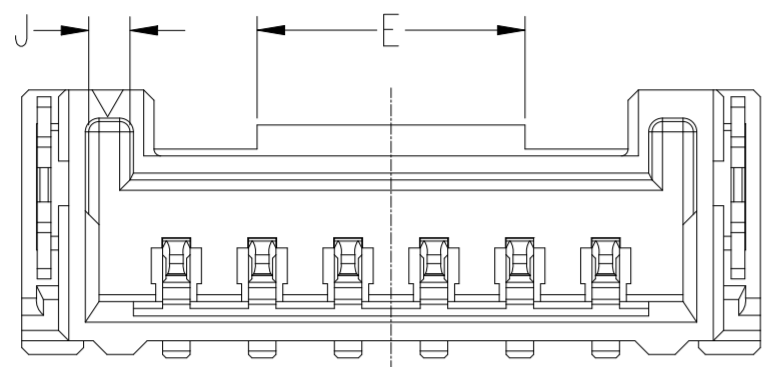
WEIGHT: 0

CUSTOMER DRAWING

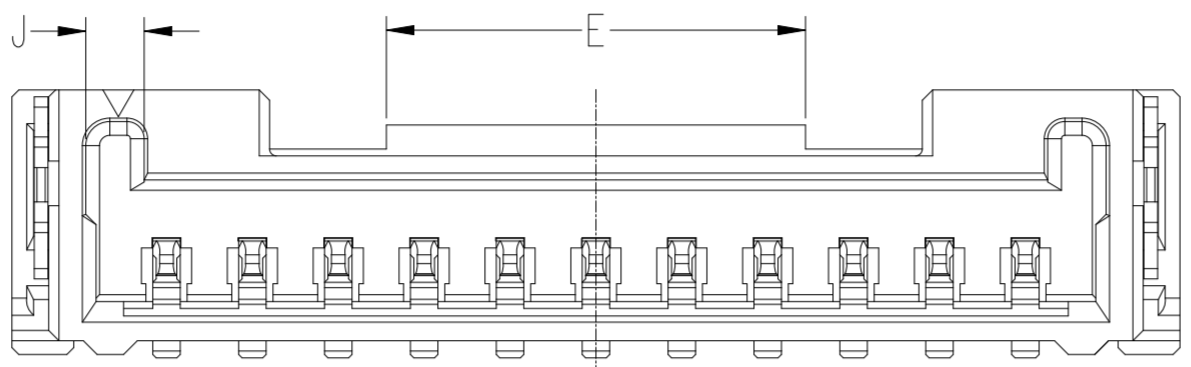
SCALE: 1:1, SHEET: 2 of 6, REV: A1

| REVISIONS |     |             |      |      |
|-----------|-----|-------------|------|------|
| P         | LTR | DESCRIPTION | DATE | APVD |
| -         | -   | SEE SHEET 1 | -    | -    |

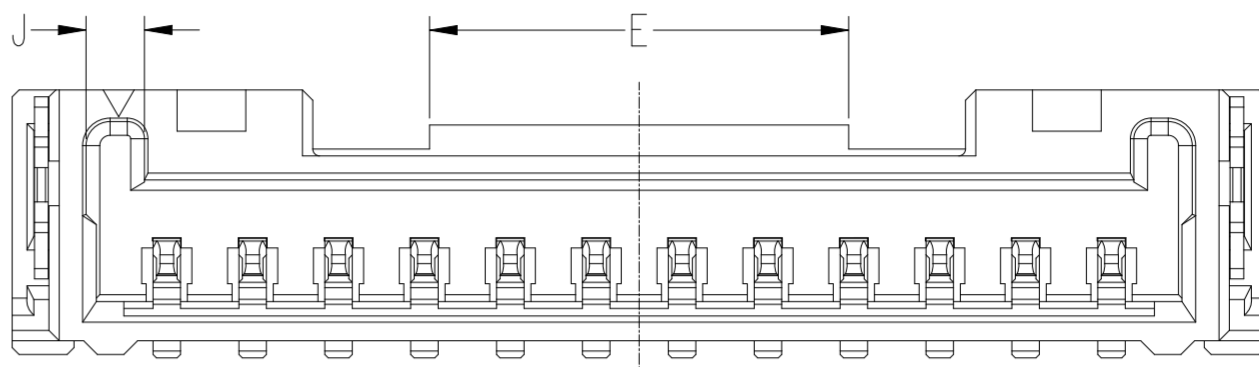
# Drawing for SMT Type



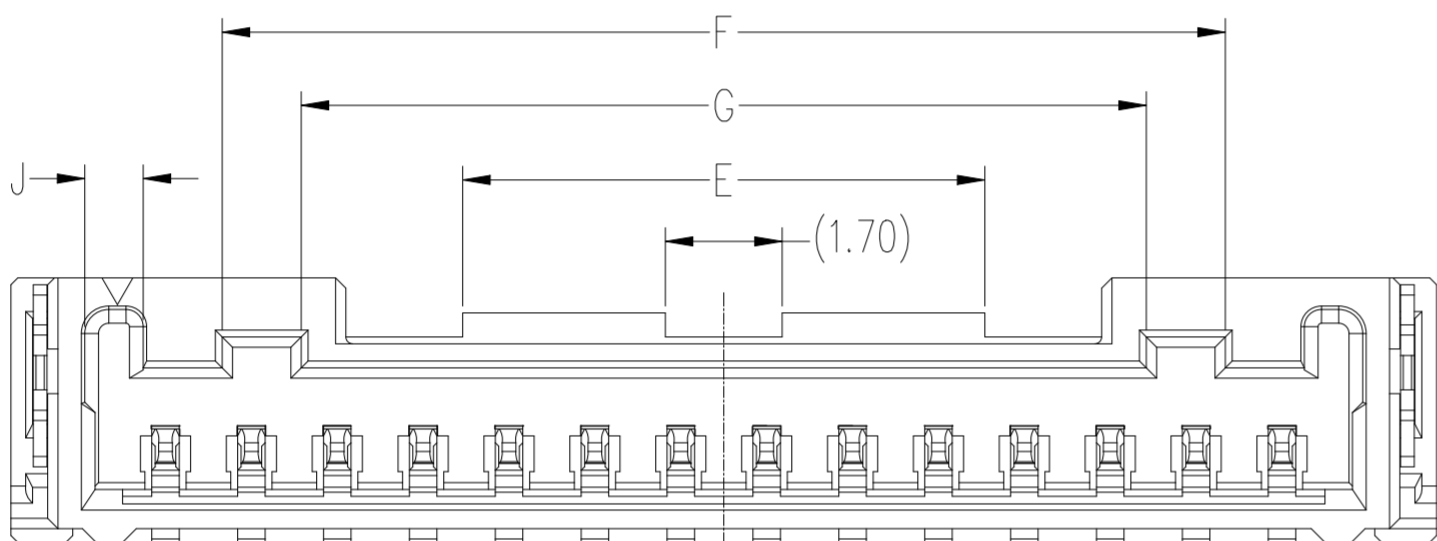
1x(2-6) PIN



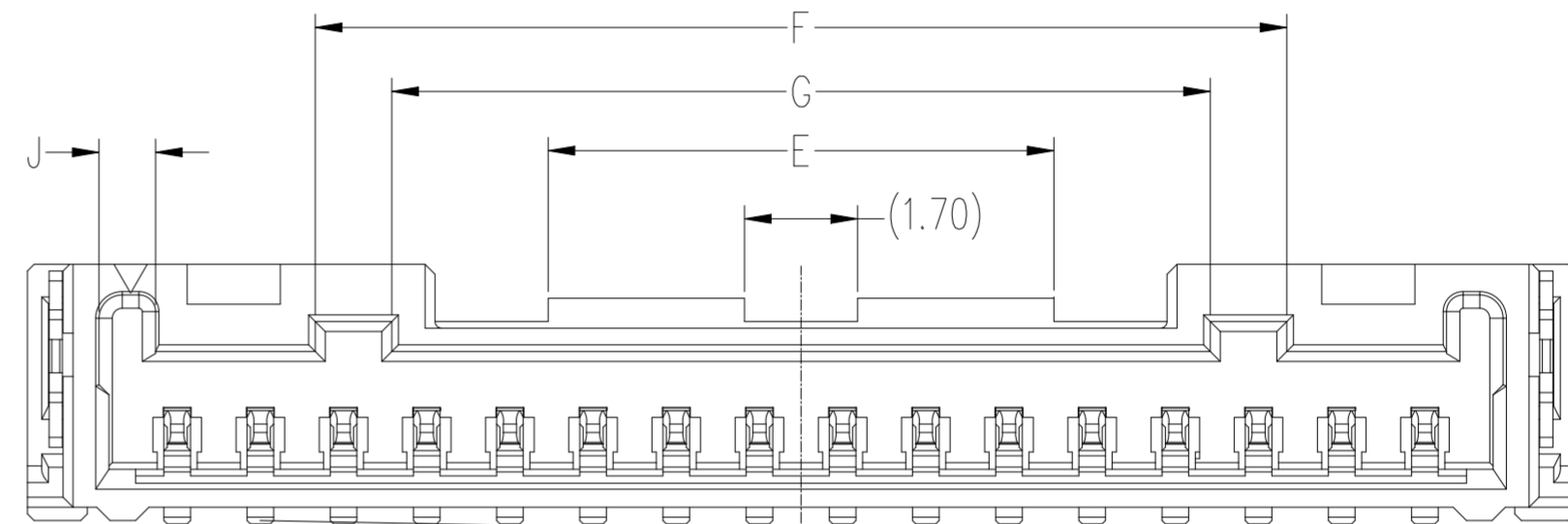
1x(7-11) PIN



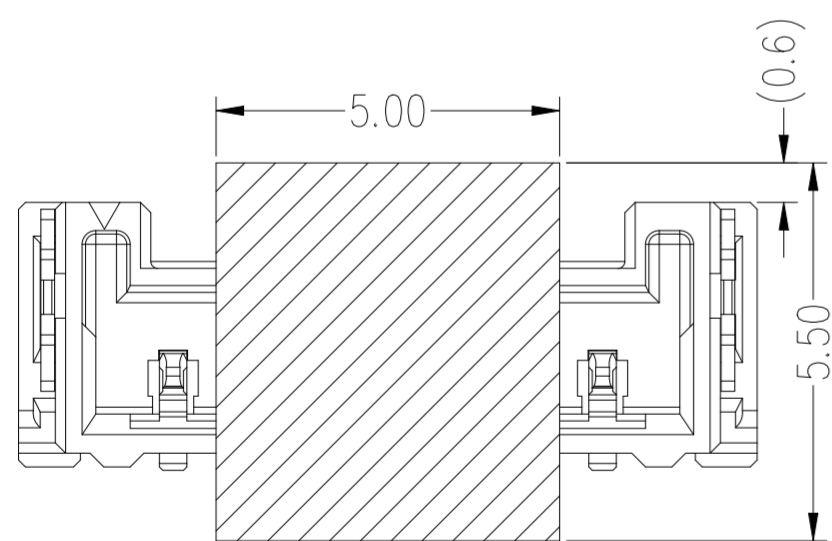
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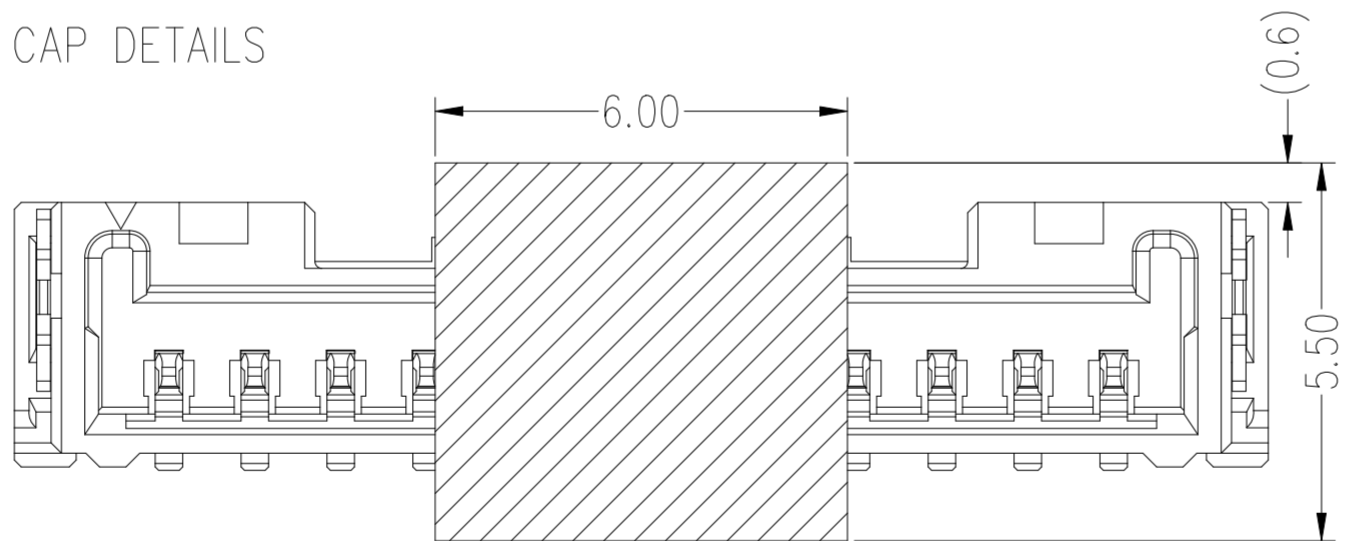
1x14 PIN



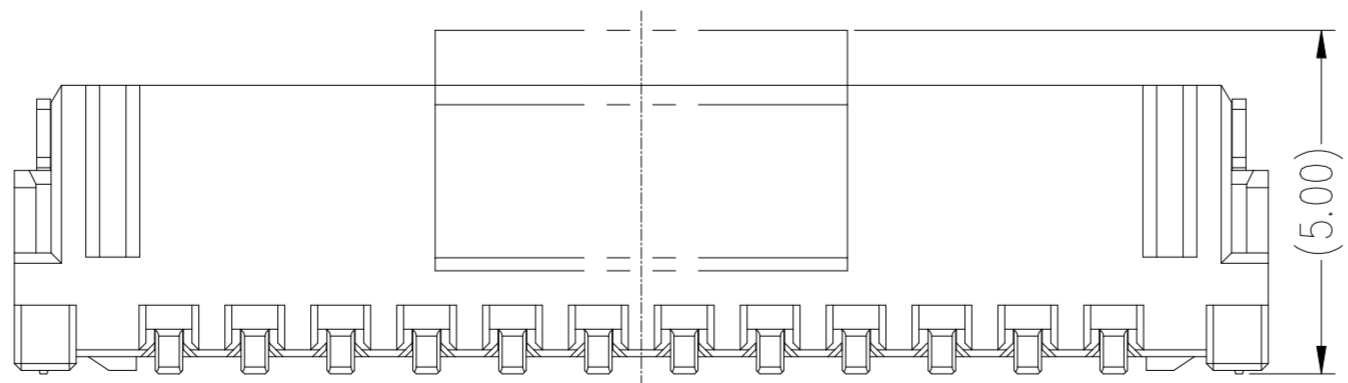
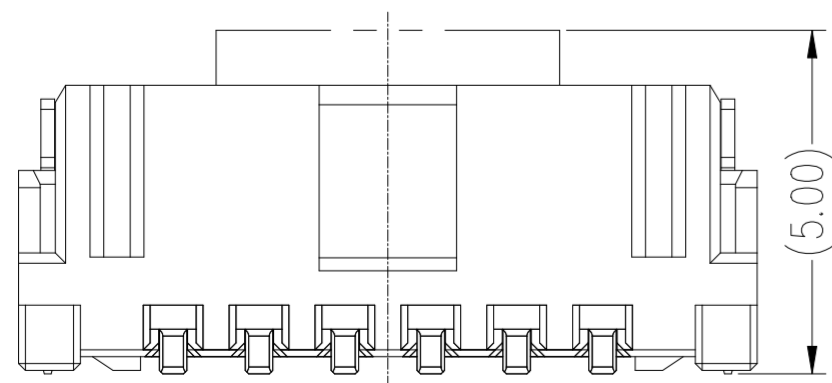
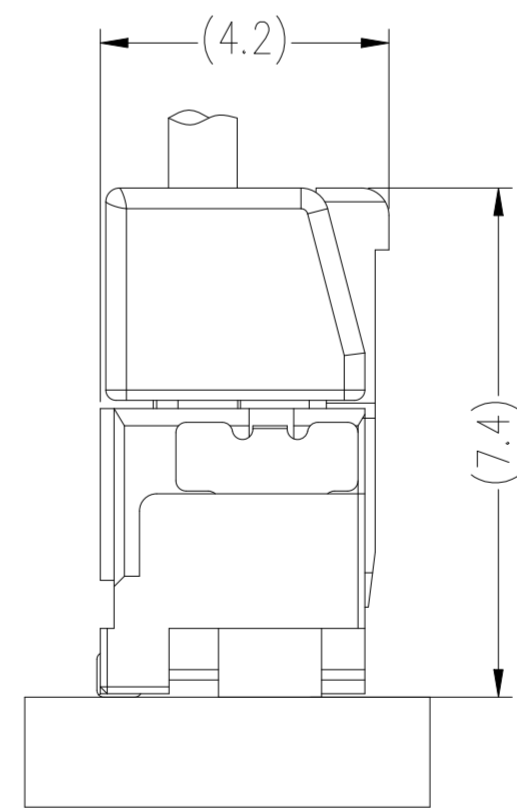
1x(15-16) PIN



1x(2-6) PIN



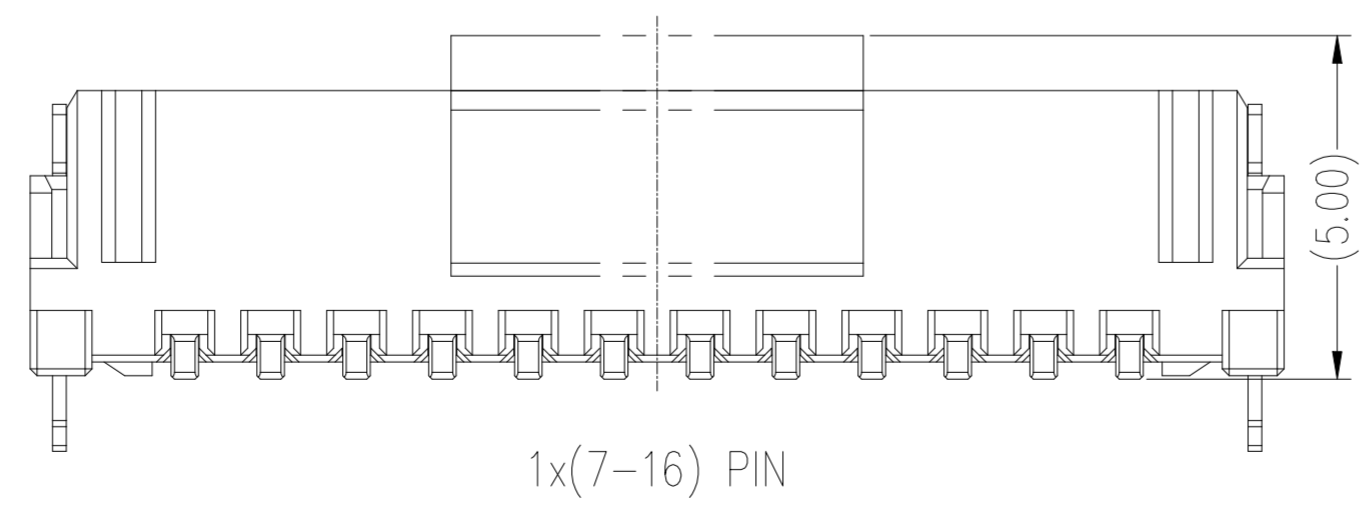
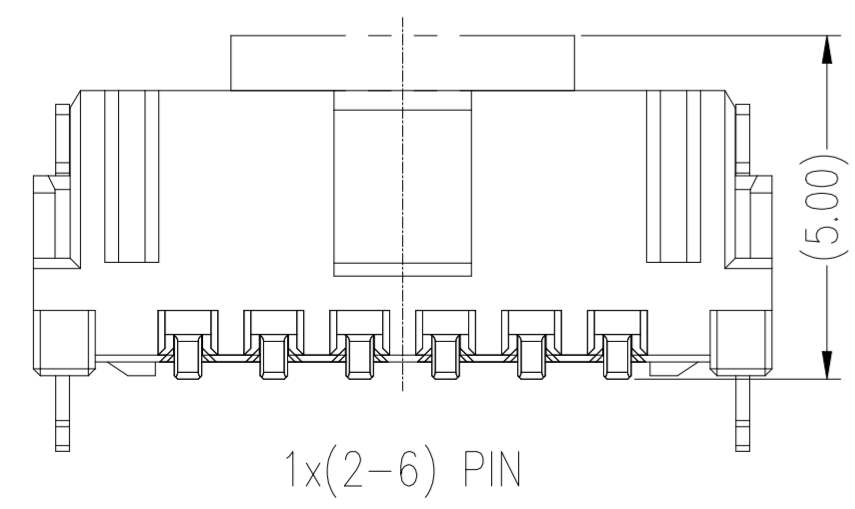
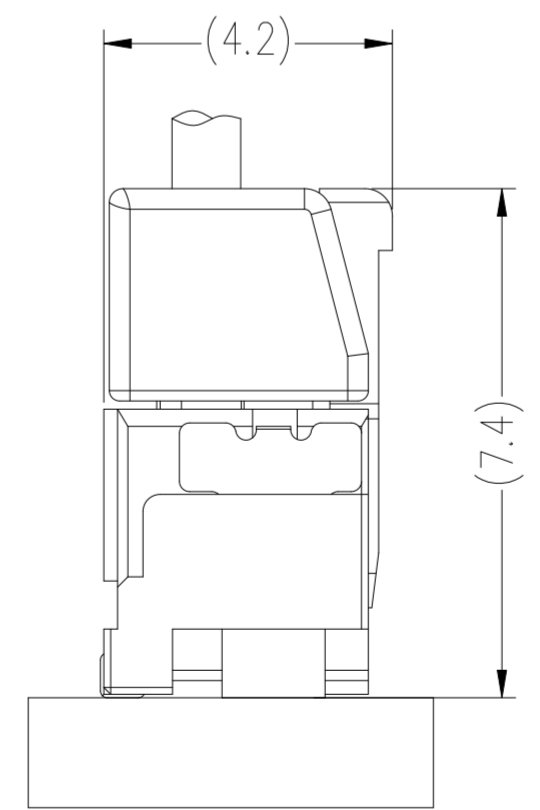
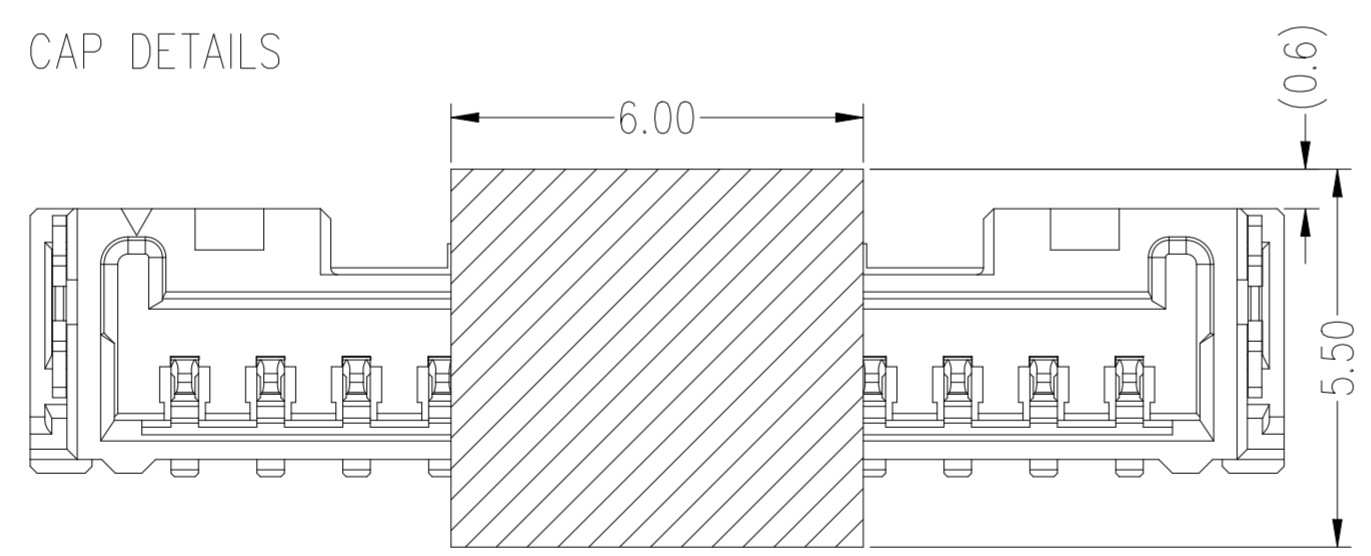
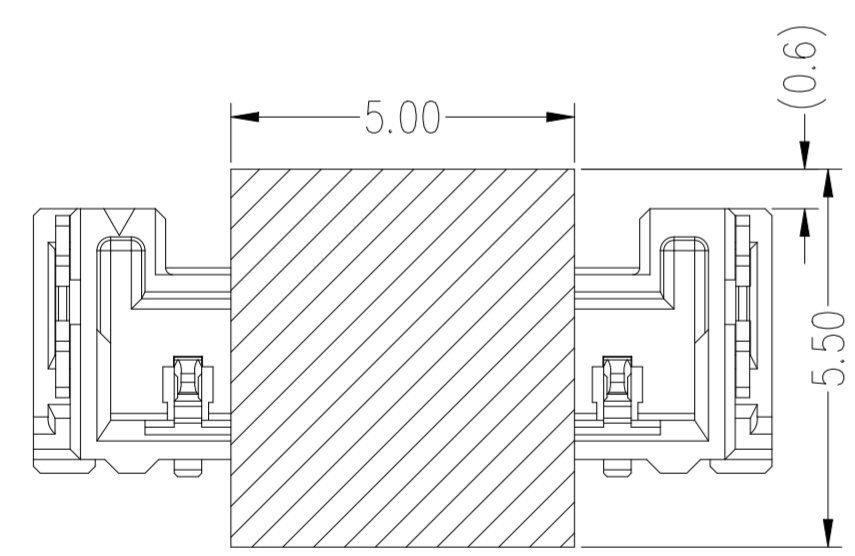
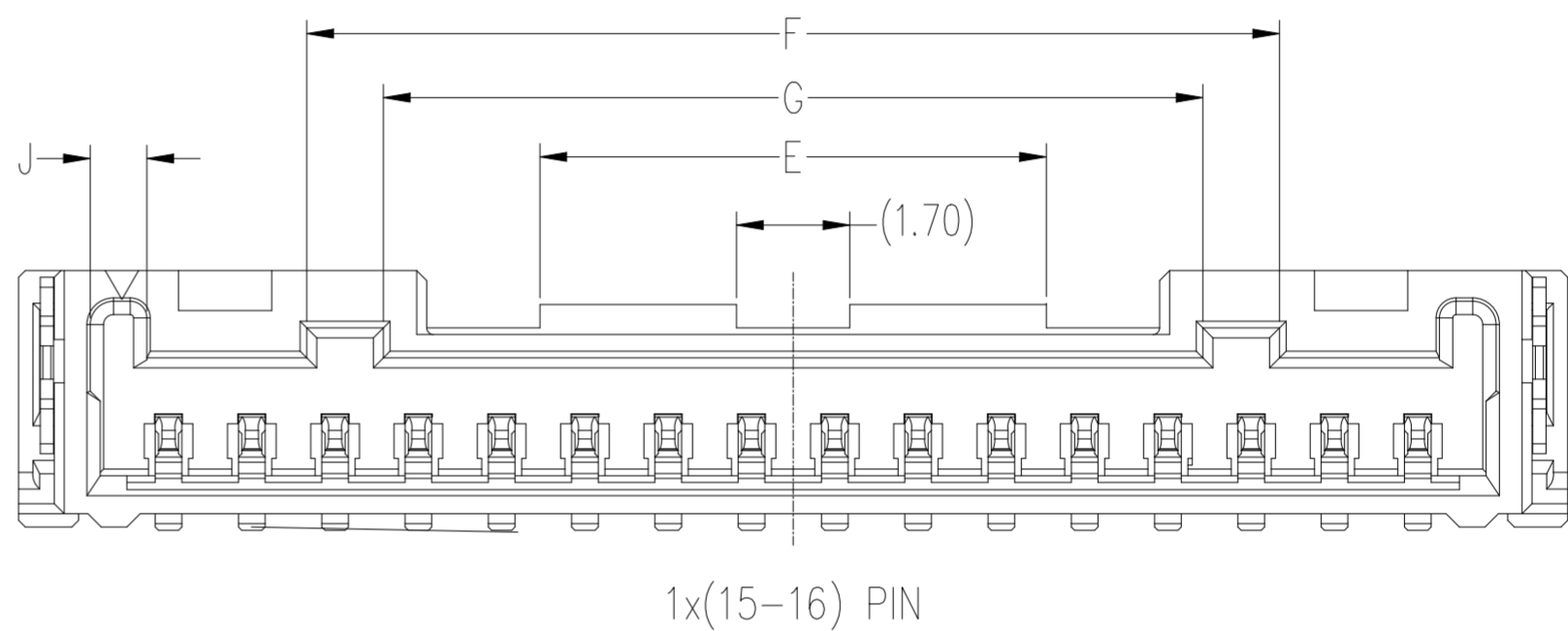
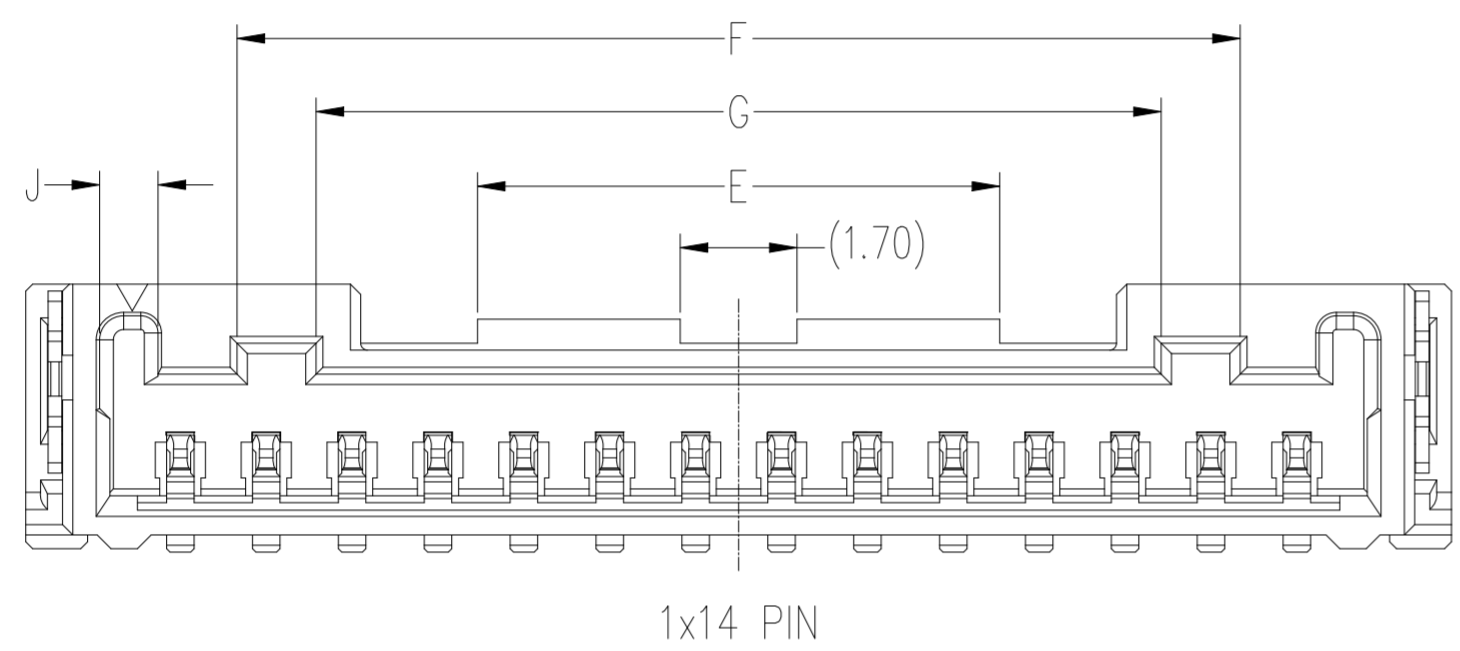
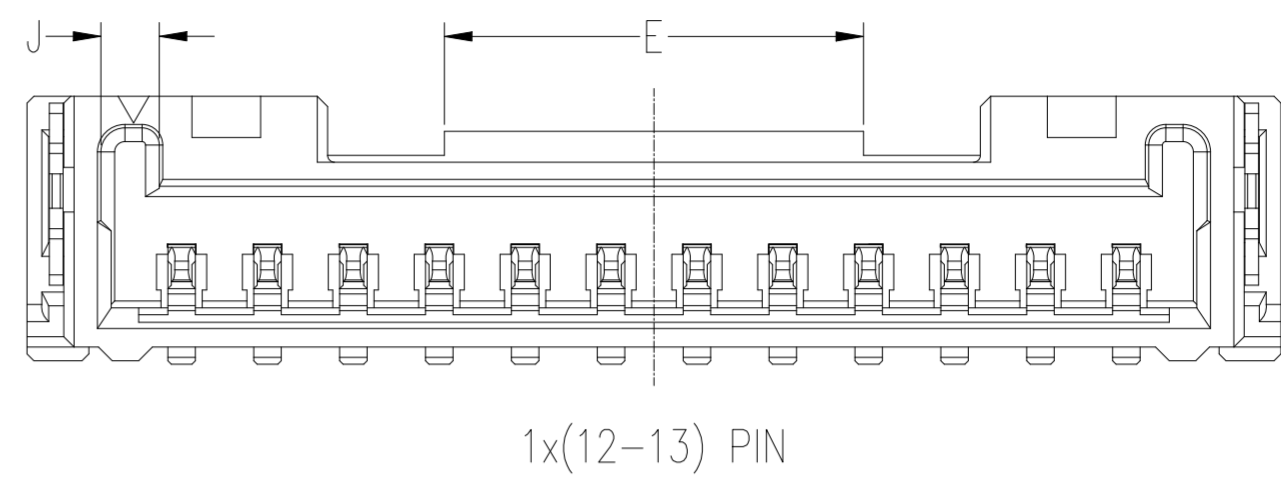
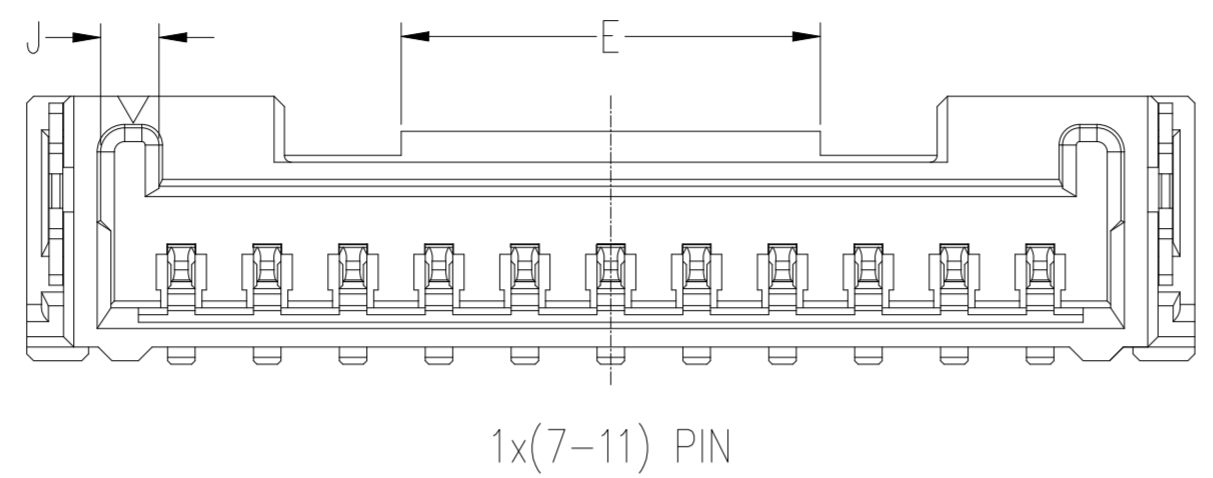
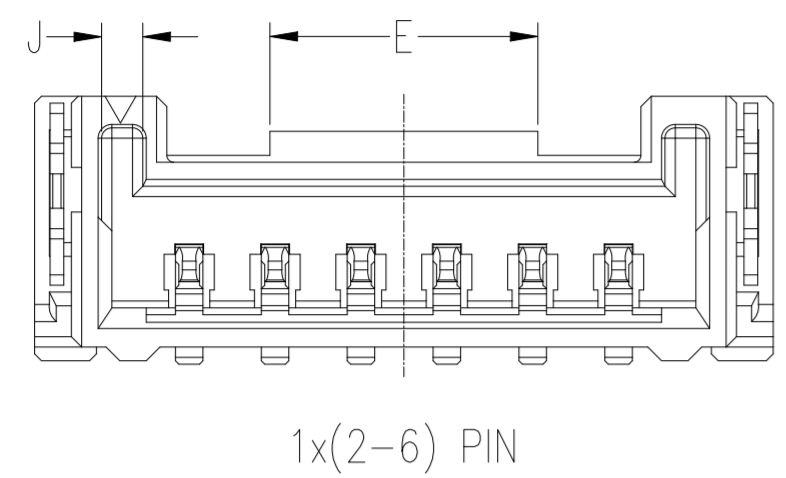
1x(7-16) PIN



|  |  |  |      |        |
|--|--|--|------|--------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN Madhan S 10JAN2024                       |      |        |
| DIMENSIONS: mm                         |  | CHK JAGRUTI M 10JAN2024                      |      |        |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD JAGRUTI M 06FEB2025                     | NAME |        |
| 0 PLC ± -                              |  | PRODUCT SPEC                                 |      |        |
| 1 PLC ± -                              |  | 108-161761                                   |      |        |
| 2 PLC ± 0.25                           |  | APPLICATION SPEC                             |      |        |
| 3 PLC ± 0.15                           |  | SIZE A2 CAGE CODE 00779 DRAWING NO G=2496750 |      |        |
| 4 PLC ± -                              |  | RESTRICTED TO                                |      |        |
| ANGLES ± -                             |  | WEIGHT 0                                     |      |        |
| FINISH -                               |  | CUSTOMER DRAWING                             |      |        |
|  |  | SCALE 1:1 SHEET 3 of 6                       |      | REV A1 |

| REVISIONS |     |             |      |      |
|-----------|-----|-------------|------|------|
| P         | LTR | DESCRIPTION | DATE | APVD |
| -         | -   | SEE SHEET 1 | -    | -    |

# Drawing for THBL Type

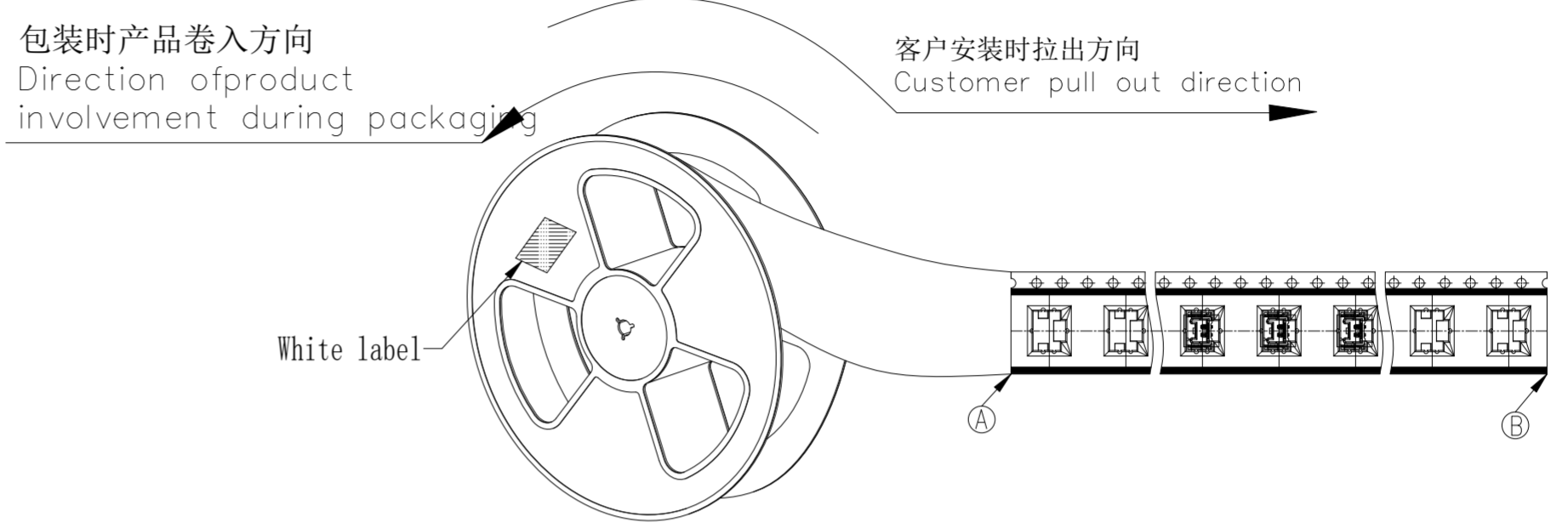
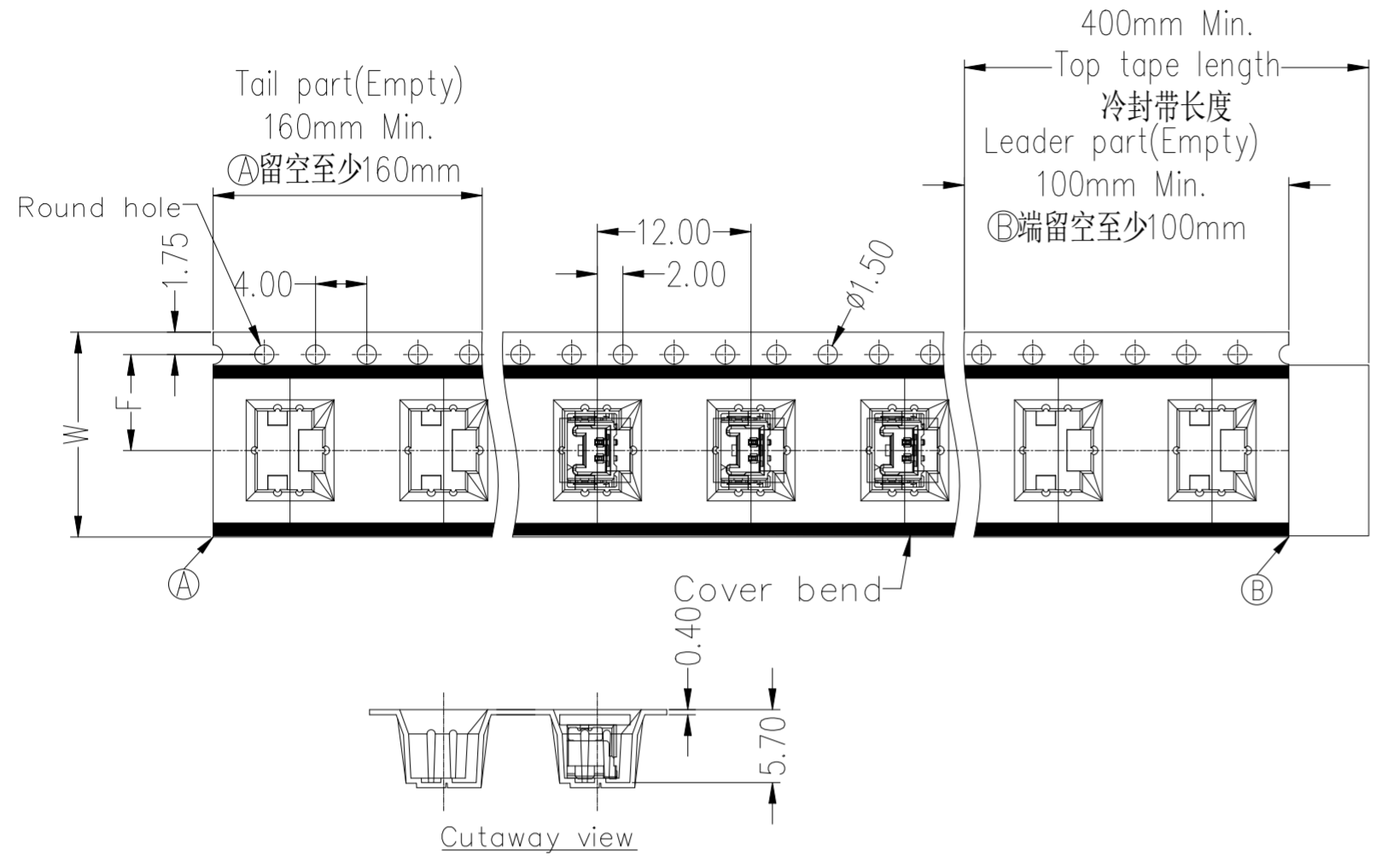


|   |  |                            |           |                           |                         |
|---|--|----------------------------|-----------|---------------------------|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>Madhan S            | 10JAN2024 | TE Connectivity           |                         |
| DIMENSIONS:<br>mm   |  | CHK<br>JAGRUTI M           | 10JAN2024 |                           |                         |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |  | APVD<br>JAGRUTI M          | 06FEB2025 | NAME                      |                         |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.25<br>3 PLC ± 0.15<br>4 PLC ± -<br>ANGLES ± -<br>FINISH - |  | PRODUCT SPEC<br>108-161761 |           | 1.25MM WTB HDR SMT & THBL |                         |
| MATERIAL  |  | WEIGHT<br>0                |           | SIZE<br>A2                | RESTRICTED TO           |
|   |  | CUSTOMER DRAWING           |           | CAGE CODE<br>00779        | DRAWING NO<br>G=2496750 |
|   |  |                            |           | SCALE<br>1:1              | SHEET<br>4 of 6         |
|   |  |                            |           | REV<br>A1                 |                         |

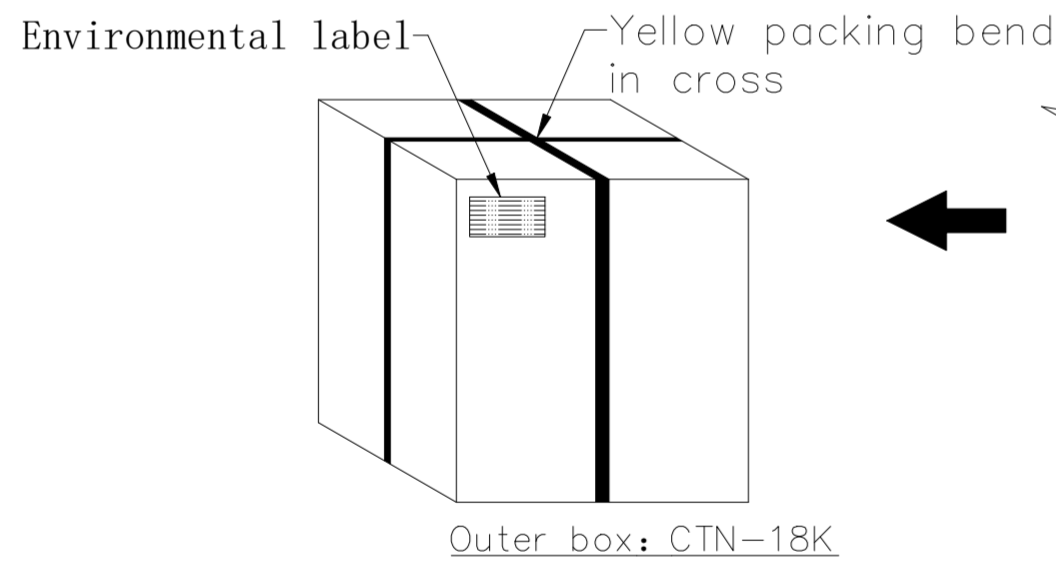
2496750

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |

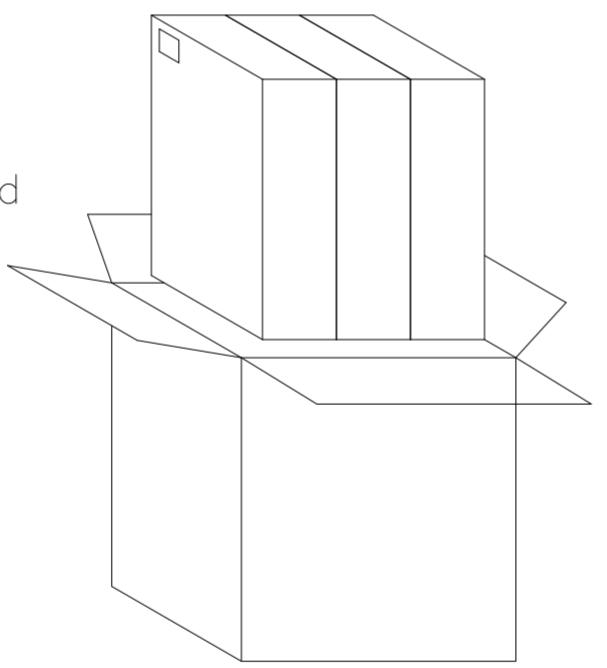
# Packaging Drawing for SMT Type



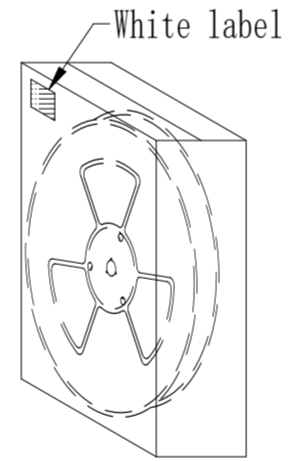
**No.1:**  
 Before package, pay attention to leave more than 160mm(min) empty, after put the products into the carrier groove, packing with the cover bend then, Note: the tension between tape and cover bend is 30g~120g (1000PCS/Reel)



**No.4:**  
 Seal,pack,label.



**No.3:**  
 Put inner box into outer box, (3pcs inner box/outer box, 12000PCS/outer box) pay attention to the unified label direction.



inner box: CTN-18E

**No.2:**  
 Pack the reel in the PE-32 waterproof bag packing, put 1pcs drying agent, seal it with vacuum machine and put it into the inner box, seal it with sealing glue, with labels. (4Reel/inner box, 4000PCS/inner box)

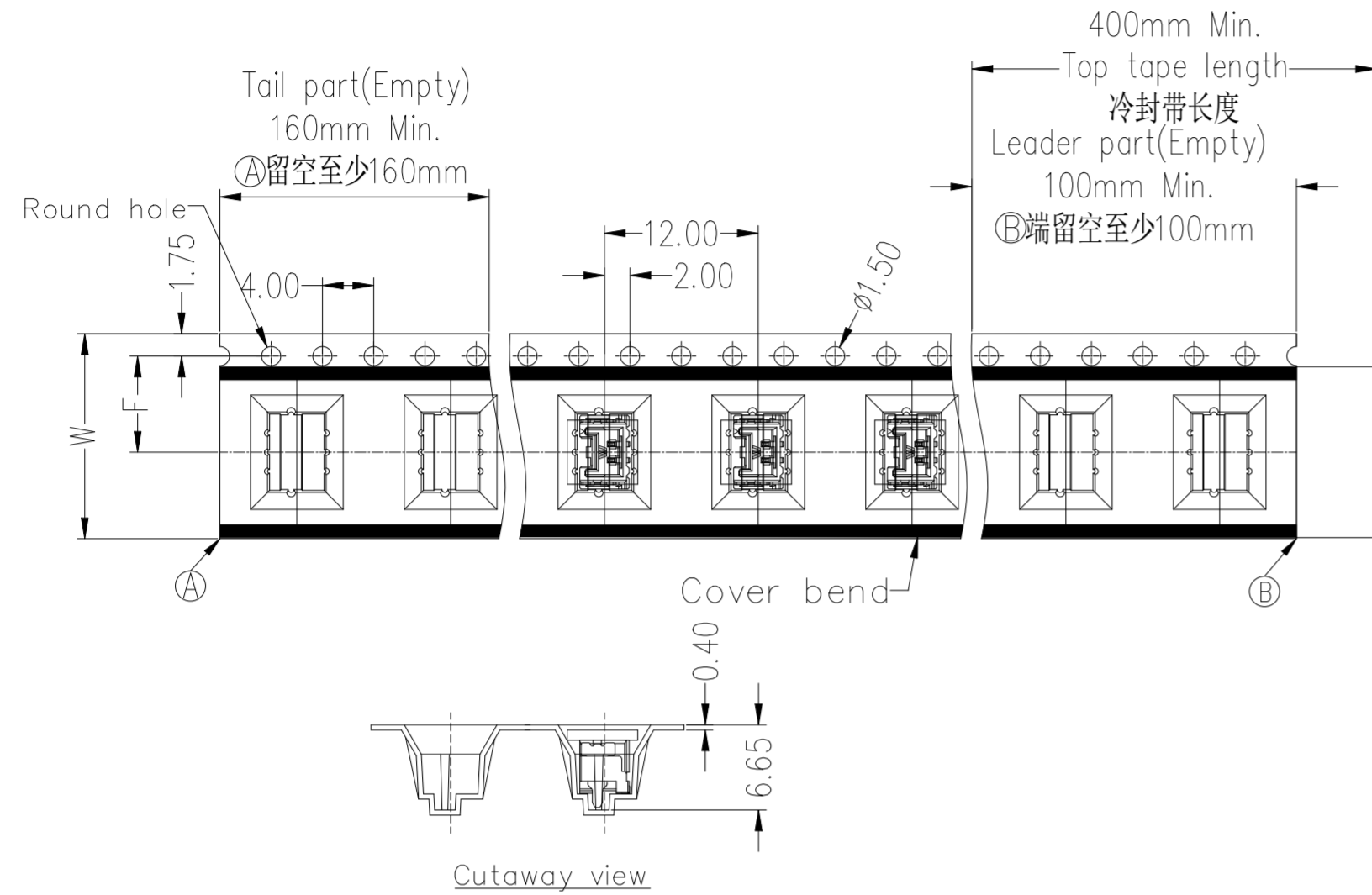
| Pin | W         | S          | F          | PCS/Reel | PCS/inner box | PCS/outer box |
|-----|-----------|------------|------------|----------|---------------|---------------|
| 2   | 16.0±0.30 | \          | 7.50±0.15  | 1000     | 4000          | 12000         |
| 3   | 16.0±0.30 | \          | 7.50±0.15  | 1000     | 4000          | 12000         |
| 4   | 24.0±0.30 | \          | 11.50±0.15 | 1000     | 3000          | 9000          |
| 5   | 24.0±0.30 | \          | 11.50±0.15 | 1000     | 3000          | 9000          |
| 6   | 24.0±0.30 | \          | 11.50±0.15 | 1000     | 3000          | 9000          |
| 7   | 24.0±0.30 | \          | 11.50±0.15 | 1000     | 3000          | 9000          |
| 8   | 24.0±0.30 | \          | 11.50±0.15 | 1000     | 3000          | 9000          |
| 9   | 24.0±0.30 | \          | 11.50±0.15 | 1000     | 3000          | 9000          |
| 10  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 1000     | 2000          | 6000          |
| 11  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 1000     | 2000          | 6000          |
| 12  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 1000     | 2000          | 6000          |
| 13  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 1000     | 2000          | 6000          |
| 14  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 1000     | 2000          | 6000          |
| 15  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 1000     | 2000          | 6000          |
| 16  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 1000     | 2000          | 6000          |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|   |  |  |  |
|---|--|--|--|
| DIMENSIONS: mm  | TOLERANCES UNLESS OTHERWISE SPECIFIED:   | DWN Madhan S 10JAN2024   | TE Connectivity<br>NAME<br>1.25MM WTB HDR SMT & THBL |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.25<br>3 PLC ± 0.15<br>4 PLC ± -<br>ANGLES ± -<br>FINISH - | APVD JAGRUTI M 06FEB2025<br>PRODUCT SPEC<br>108-161761<br>APPLICATION SPEC<br>WEIGHT 0 | CHK JAGRUTI M 10JAN2024<br>APVD JAGRUTI M<br>SIZE A2<br>CAGE CODE 00779<br>DRAWING NO G=2496750<br>RESTRICTED TO - |  |
| MATERIAL -  | FINISH -   | CUSTOMER DRAWING   | SCALE 1:1 SHEET 5 of 6 REV A1                        |

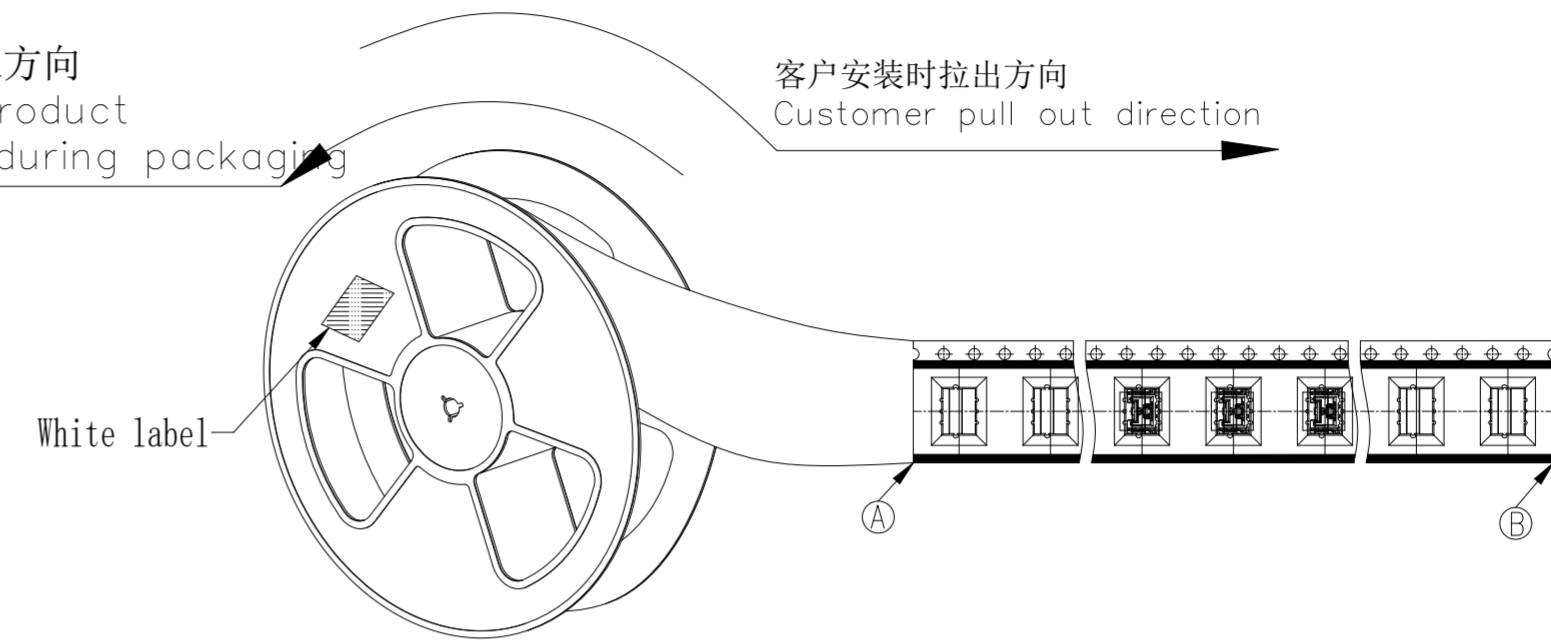
# Packaging Drawing for THBL Type

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |



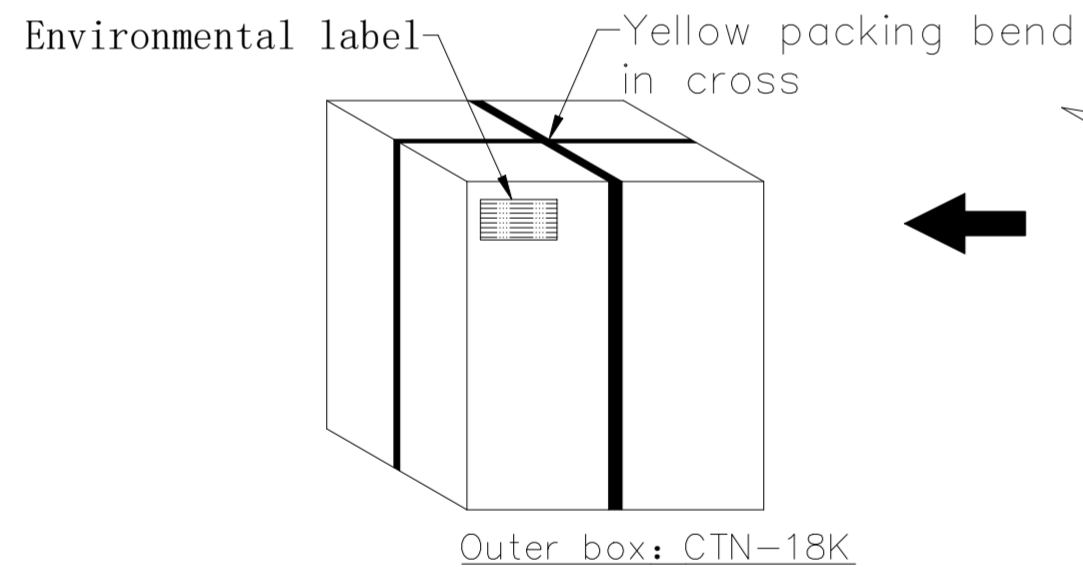
包装时产品卷入方向  
Direction of product involvement during packaging

客户安装时拉出方向  
Customer pull out direction

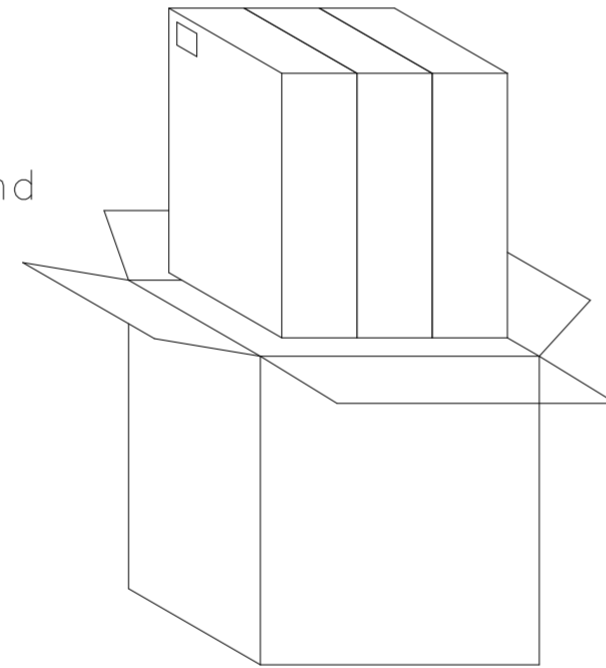


### No.1:

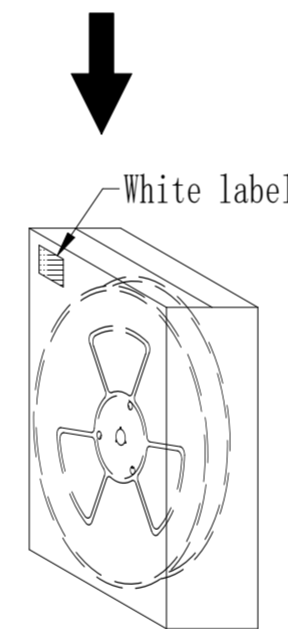
Before package, pay attention to leave more than 160mm(min) empty, after put the products into the carrier groove, packing with the cover bend then, Note: the tension between tape and cover bend is 30g~120g (800PCS/Reel)



**No.4:**  
Seal, pack, label.



**No.3:**  
Put inner box into outer box, (3pcs inner box/outer box, 9600PCS/outer box) pay attention to the unified label direction.



**No.2:**  
Pack the reel in the PE-32 waterproof bag packing, put 1pcs drying agent, seal it with vacuum machine and put it into the inner box, seal it with sealing glue, with labels. (4Reel/inner box, 3200pcs/inner box)

| PIN | W         | S          | F          | PCS/Reel | PCS/inner box | PCS/outer box |
|-----|-----------|------------|------------|----------|---------------|---------------|
| 02  | 16.0±0.30 | /          | 7.50±0.15  | 800      | 3200          | 9600          |
| 03  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 04  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 05  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 06  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 07  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 08  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 09  | 24.0±0.30 | /          | 11.50±0.15 | 800      | 2400          | 7200          |
| 10  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 800      | 1600          | 4800          |
| 11  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 800      | 1600          | 4800          |
| 12  | 32.0±0.30 | 28.40±0.15 | 14.20±0.15 | 800      | 1600          | 4800          |
| 13  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 800      | 1600          | 4800          |
| 14  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 800      | 1600          | 4800          |
| 15  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 800      | 1600          | 4800          |
| 16  | 44.0±0.30 | 40.40±0.15 | 20.20±0.15 | 800      | 1600          | 4800          |

|   |  |                                |                 |                    |
|---|--|--------------------------------|-----------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>Madhan S<br>10JAN2024   | TE Connectivity |                    |
| DIMENSIONS: mm  |  | CHK<br>JAGRUTI M<br>10JAN2024  |                 |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |  | APVD<br>JAGRUTI M<br>06FEB2025 | NAME            |                    |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.25<br>3 PLC ± 0.15<br>4 PLC ± -<br>ANGLES ± -<br>FINISH - |  | PRODUCT SPEC<br>108-161761     |                 | RESTRICTED TO      |
| MATERIAL  |  | WEIGHT<br>0                    | SIZE<br>A2      | CAGE CODE<br>00779 |
|   |  | DRAWING NO<br>G=2496750        |                 | SCALE<br>1:1       |
|   |  | CUSTOMER DRAWING               |                 | SHEET<br>6 of 6    |
|   |  |                                |                 | REV<br>A1          |