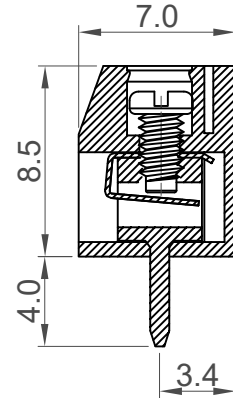
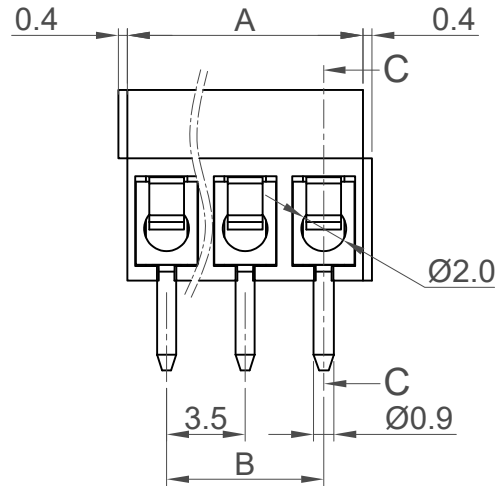
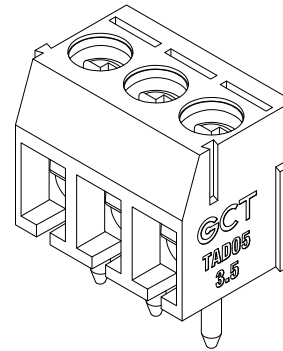
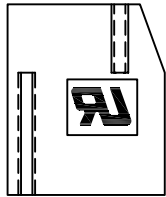


Recommended PCB Layout  
General Tolerance  $\pm 0.05$



Section: C-C



Ordering Grid

TAD05-XX-1-L-G [Request Samples and Quotation](#)

No. of Positions  
02 to 24

Screw Material  
1 = Stainless Steel

Packing Options  
G = Box

Insulator Colour  
L = Blue

| Number of Positions | Dimensions |      |
|---------------------|------------|------|
|                     | A          | B    |
| 2                   | 7.0        | 3.5  |
| 3                   | 10.5       | 7.0  |
| 4                   | 14.0       | 10.5 |
| 5                   | 17.5       | 14.0 |
| 6                   | 21.0       | 17.5 |
| 7                   | 24.5       | 21.0 |
| 8                   | 28.0       | 24.5 |
| 9                   | 31.5       | 28.0 |
| 10                  | 35.0       | 31.5 |
| 11                  | 38.5       | 35.0 |
| 12                  | 42.0       | 38.5 |
| 13                  | 45.5       | 42.0 |
| 14                  | 49.0       | 45.5 |
| 15                  | 52.5       | 49.0 |
| 16                  | 56.0       | 52.5 |
| 17                  | 59.5       | 56.0 |
| 18                  | 63.0       | 59.5 |
| 19                  | 66.5       | 63.0 |
| 20                  | 70.0       | 66.5 |
| 21                  | 73.5       | 70.0 |
| 22                  | 77.0       | 73.5 |
| 23                  | 80.5       | 77.0 |
| 24                  | 84.0       | 80.5 |

## Specifications

### Material

Insulator: Nylon 66, 0% GF, UL94V-0  
Terminal: Copper Alloy  
Wire Guard: Stainless Steel  
Screw: Stainless Steel, '-/+ ' Combination Type

### Plating

Terminal: Tin

### Electrical

Voltage Rating: 150V AC  
Current Rating: 10.0 Amp Per Position  
Contact Resistance: 20 mΩ max.  
Dielectric Withstand Voltage:  
1300 V AC for 60 sec.

### Mechanical & Environmental

Wire Range :  
Solid Wire (AWG): 16 - 30  
Stranded Wire (AWG): 16-30  
Wire Strip Length: 5.5-6.0mm  
Torque: 2.0kgf.cm/M2  
Operating Temperature: -40°C to +105°C  
Solderability: 245°C $\pm 5^\circ\text{C}$  for 5 sec.

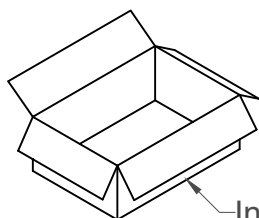
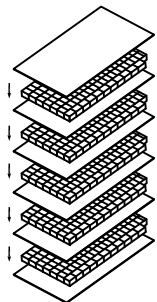
UL File No. : E543462

|                   |                 |                                                                                          |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
|-------------------|-----------------|------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------|------------------|
| Part Number       |                 | Product Description                                                                      |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     | <br><b>www.gct.co</b> |                |                  |
| TAD05             |                 | 3.5mm Pitch Terminal Block, Single Row, Side Entry,<br>Through Hole, Wire Protector Type |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
| Drawing Date      |                 |                                                                                          |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
| 18th October 2024 |                 |                                                                                          |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
| By                | KY              | Tolerances (Except as Noted)                                                             |               | Units:                                                                                                        | <br><br>This drawing is confidential and<br>copyright of Global Connector<br>Technology, Ltd (GCT).<br>This drawing must not be copied<br>or disclosed without written<br>consent. E & OE |                                                                                                            |                |                  |
| Detail            | Drawing Release | Length                                                                                   | Angle         | Metric (mm)                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
| Revision          | A4              | X. $\pm 0.50$<br>X.X $\pm 0.30$                                                          | $\pm 1^\circ$ | <br>3rd Angle Projection |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
| Date              | 08/05/25        | X.XX $\pm 0.20$                                                                          |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
|                   |                 |                                                                                          |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                |                  |
|                   |                 |                                                                                          |               |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                     | Not to Scale                                                                                               | Drawn By<br>CC | Sheet No.<br>1/2 |

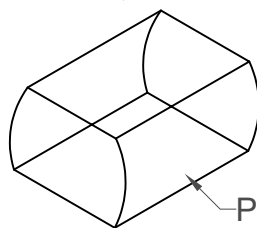
Paperboard  
5 ~ 24 Position

Poly Bag  
2 ~ 4 Position

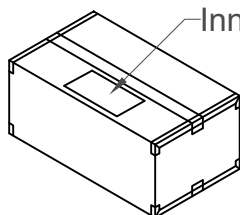
or



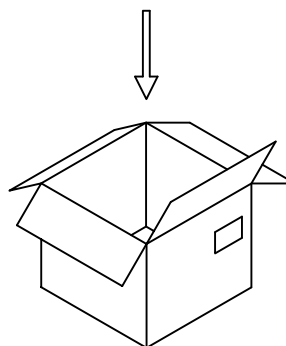
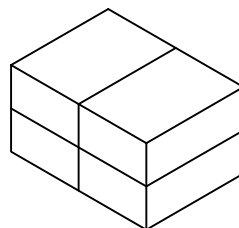
Inner Box



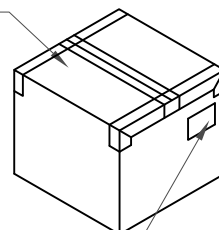
Plastic Bag



Inner Box Label



Outer Box



Outer Box Label

| No. of Positions | Pcs / Inner Box | Pcs / Outer Box |
|------------------|-----------------|-----------------|
| 2                | 1500            | 6000            |
| 3                | 1000            | 4000            |
| 4                | 800             | 3200            |
| 5                | 670             | 2680            |
| 6                | 480             | 1920            |
| 7                | 470             | 1880            |
| 8                | 405             | 1620            |
| 9                | 360             | 1440            |
| 10               | 360             | 1440            |
| * 11             |                 |                 |
| * 12             |                 |                 |
| * 13             |                 |                 |
| 14               | 250             | 1000            |
| * 15             |                 |                 |
| 16               | 220             | 880             |
| * 17             |                 |                 |
| * 18             |                 |                 |
| * 19             |                 |                 |
| * 20             |                 |                 |
| * 21             |                 |                 |
| * 22             |                 |                 |
| * 23             |                 |                 |
| * 24             |                 |                 |

\* Please contact GCT to confirm packing qty

|                   |                 |                                                                                          |       |                                                                                                                                                 |                                                                                                                                                                                                       |  |              |                |                  |
|-------------------|-----------------|------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|----------------|------------------|
| Part Number       |                 | Product Description                                                                      |       |                                                                                                                                                 | <div><br/>www.gct.co</div>                                                                                       |  |              |                |                  |
| TAD05             |                 | 3.5mm Pitch Terminal Block, Single Row, Side Entry,<br>Through Hole, Wire Protector Type |       |                                                                                                                                                 |                                                                                                                                                                                                       |  |              |                |                  |
| Drawing Date      |                 |                                                                                          |       |                                                                                                                                                 |                                                                                                                                                                                                       |  |              |                |                  |
| 18th October 2024 |                 |                                                                                          |       |                                                                                                                                                 |                                                                                                                                                                                                       |  |              |                |                  |
| By                | KY              | Tolerances (Except as Noted)                                                             |       | Units:                                                                                                                                          | <div>This drawing is confidential and<br/>copyright of Global Connector<br/>Technology, Ltd (GCT).<br/>This drawing must not be copied<br/>or disclosed without written<br/>consent. E &amp; OE</div> |  |              |                |                  |
| Detail            | Drawing Release | Length                                                                                   | Angle | Metric (mm)                                                                                                                                     |                                                                                                                                                                                                       |  |              |                |                  |
| Revision          | A4              | -                                                                                        | -     | <br>3rd Angle Projection                                   |                                                                                                                                                                                                       |  |              |                |                  |
| Date              | 08/05/25        |                                                                                          |       |                                                                                                                                                 |                                                                                                                                                                                                       |  |              |                |                  |
|                   |                 |                                                                                          |       | <div><br/>RoHS COMPLIANT<br/>2011/65/EU<br/>Trace-SD</div> | <div></div>                                                                                                      |  |              |                |                  |
|                   |                 |                                                                                          |       |                                                                                                                                                 |                                                                                                                                                                                                       |  | Not to Scale | Drawn By<br>CC | Sheet No.<br>2/2 |