

| Pin   | Signal           | Mating Sequence | Pin   | Signal           | Mating Sequence |
|-------|------------------|-----------------|-------|------------------|-----------------|
| A1    | GND              | First           | B12   | GND              | First           |
| A4    | V <sub>Bus</sub> | First           | B9    | V <sub>Bus</sub> | First           |
| A5    | CC1              | Second          | B8    | SBU2             | Second          |
| A6    | Dp1              | Second          | B7    | Dn2              | Second          |
| A7    | Dn1              | Second          | B6    | Dp2              | Second          |
| A8    | SBU1             | Second          | B5    | CC2              | Second          |
| A9    | V <sub>Bus</sub> | First           | B4    | V <sub>Bus</sub> | First           |
| A12   | GND              | First           | B1    | GND              | First           |
| SHELL |                  | GND             | SHELL |                  | GND             |

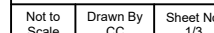
Material  
Insulator: PA9T, UL 94V-0, Black  
Contact: Copper Alloy  
Shell: Stainless Steel  
Mid Plate: Stainless Steel  
EMI Plate: Stainless Steel  
Gasket: Silicone Rubber, Shore Hardness 60A

Contact  
     Contact Area: 3μ" Gold  
     Solder Tails: Gold Flash  
     Underplating: 50μ" min. Nickel  
 Shell:  
     Solder Tails: Gold Flash  
     Underplating: 50μ" min. Nickel  
     Mid Plate: 50μ" min. Nickel  
     EMI Plate: Clear




Current Rating: 5.00A collectively for Vbus pins  
6.25A collectively for GND pins  
1.25A for A5/B5 pin  
0.25A per pin for all others pins

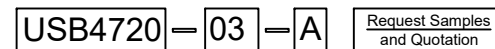
Voltage Rating: 48V DC  
Power Rating: 240W  
Contact Resistance: 40mΩ max initial.  
50mΩ max after test  
Dielectric Withstanding Voltage: 100V AC  
Insulation Resistance 100MQ min

Operating Temperature: -30°C to +85°C  
Mating Force: 5 to 20 N  
Unmated Force: 6 to 20 N after test  
Durability: 20,000 cycles  
Ingress Protection Rating: IP67



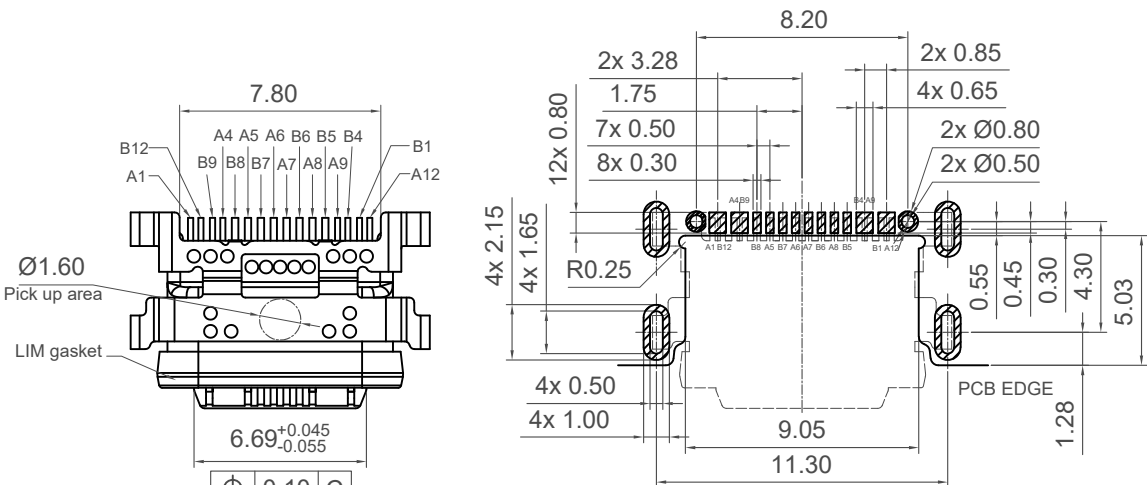
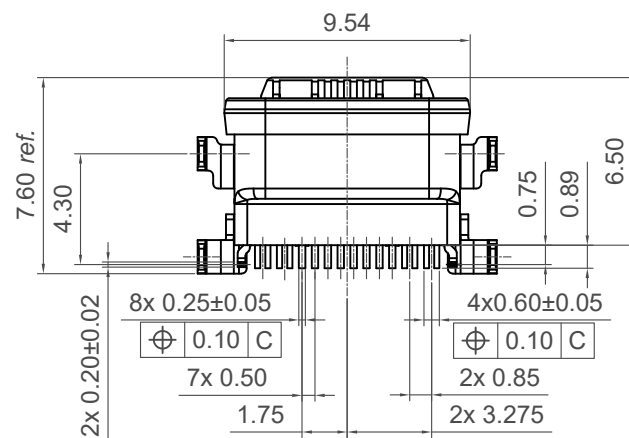
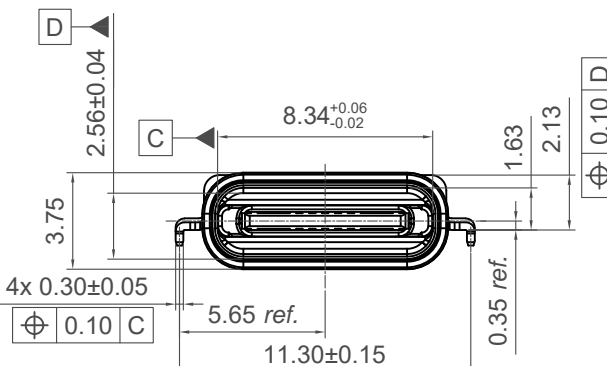
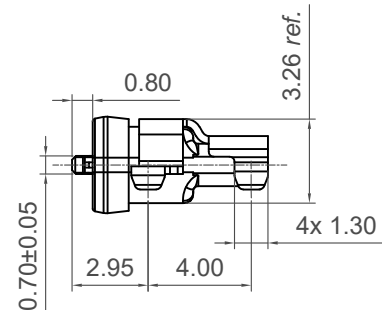
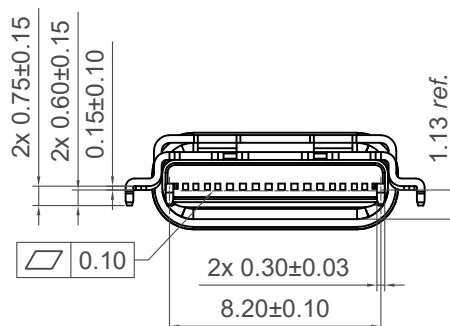
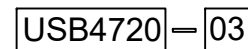
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|                   |                 |  |  |
|-------------------|-----------------|--|--|
| Part Number       |                 | Product Description  |  |
| USB4720           |                 | Type C Receptacle For USB2.0, SMT Type, Mid-Mount Horizontal, IP67, 16 Pin   |  |
| Drawing Date      |                 |  |  |
| 26th October 2023 |                 |  |  |
| By                | CC              | Tolerances (Except as Noted)   | Units:   |
|                   |                 | Length   | Metric (mm)  |
| Detail            | Drawing Release | X.X ± 0.20   |  Third Angle Projection |
| Revision          | A               | X.XX ± 0.15  |  |
| Date              | 26/10/23        | X.XXX ± 0.10   |  |
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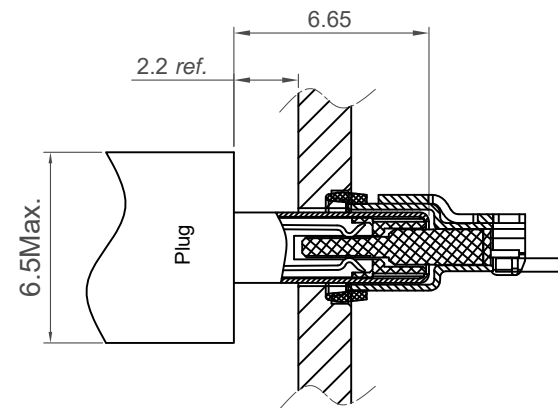
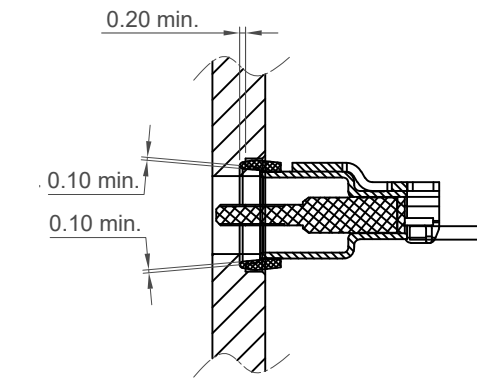
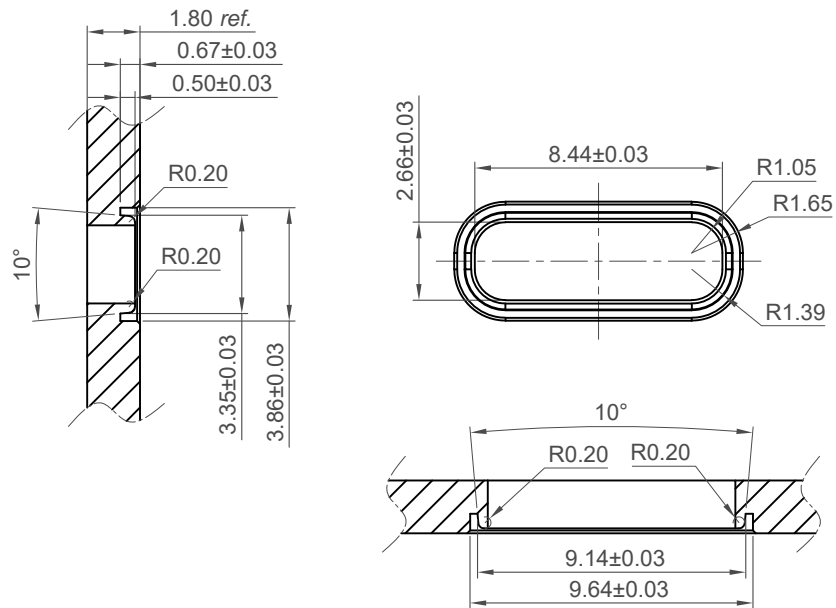
Contact Plating  
03 = 3u" Gold





Packing Options  
A = Tape & Reel  
(1300 per reel)

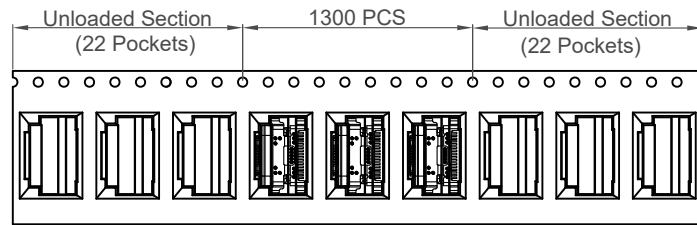


Recommended PCB Layout  
Thickness  $0.6 \pm 0.10 \text{ mm}$   
Tolerance:  $\pm 0.05 \text{ mm}$



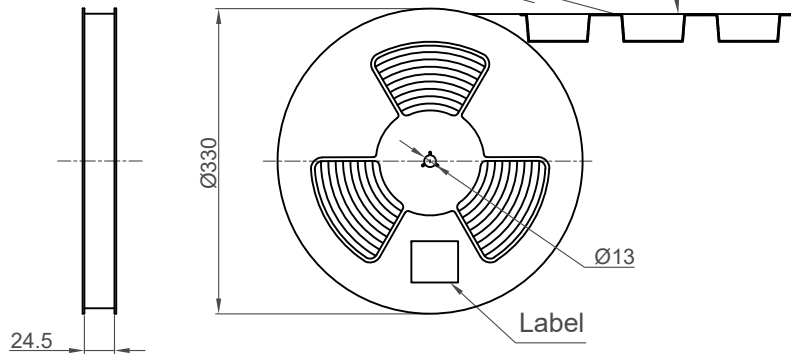


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|-------------------|-----------------|--|-------|--|---|---|
| Part Number       |                 | Product Description  |       |  |   | <div><br/>www.gct.co</div> |
| USB4720           |                 | Type C Receptacle For USB2.0, SMT Type, Mid-Mount Horizontal, IP67, 16 Pin |       |  |   |   |
| Drawing Date      |                 |  |       |  |   |   |
| 26th October 2023 |                 |  |       |  |   |   |
| By                | CC              | Tolerances (Except as Noted)   |       | Units:   | <div><div></div><div>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE</div></div> |   |
| Detail            | Drawing Release | Length   | Angle | Metric (mm)  |   |   |
| Revision          | A               | X.X ± 0.20   |       | <div></div> |   |   |
| Date              | 26/10/23        | X.XX ± 0.15  | -     |  |   |   |
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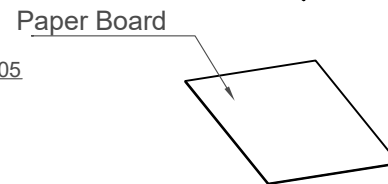
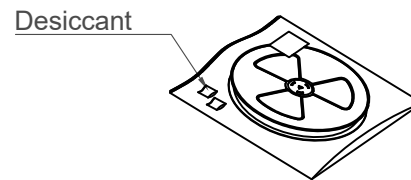
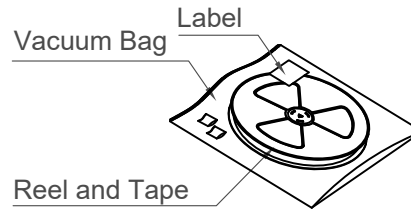
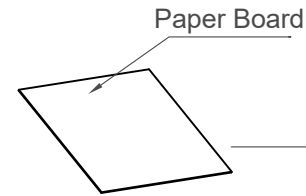
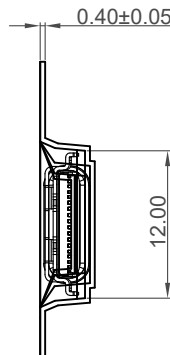
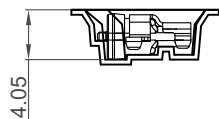
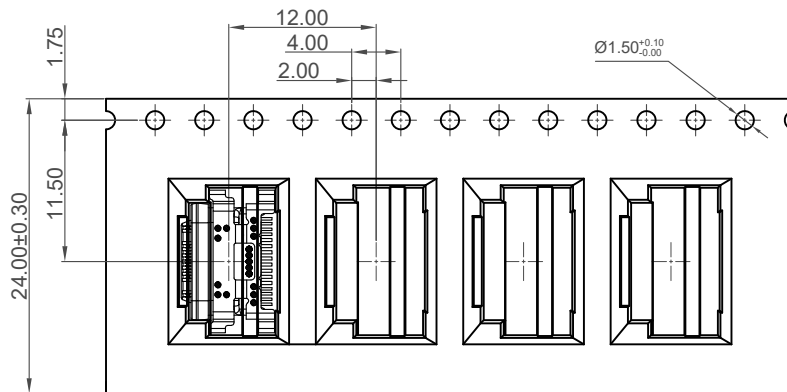


Direction of Unreeling

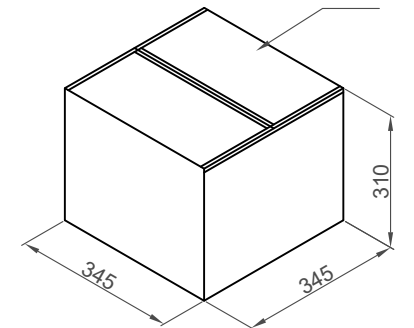
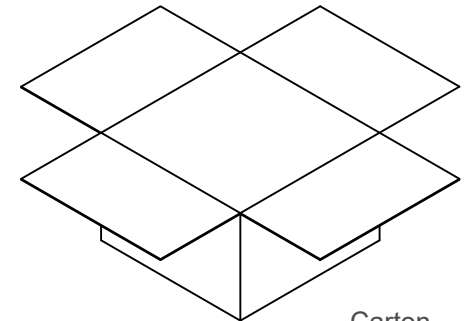
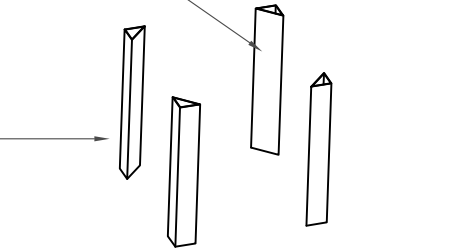
Peeling Angle 165°~180°



Direction of Unreeling



Folded Paper Board



| Pcs / Reel | Reels / Carton | Total Quantity |
|------------|----------------|----------------|
| 1300       | 10             | 13,000 pcs     |

|                                   |                 |  |                       |
|-----------------------------------|-----------------|--|-----------------------|
| Part Number<br>USB4720            |                 | Product Description<br>Type C Receptacle For USB2.0, SMT Type, Mid-Mount<br>Horizontal, IP67, 16 Pin |                       |
| Drawing Date<br>26th October 2023 |                 |  |                       |
| By<br>CC                          | Drawing Release | Tolerances (Except as Noted)<br>Length<br>X.X ± 0.20<br>X.XX ± 0.15<br>X.XXX ± 0.10                  | Units:<br>Metric (mm) |
| Detail                            | Revision<br>A   | -  | 3rd Angle Projection  |
| Revision<br>Date                  | 26/10/23        |  |                       |



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