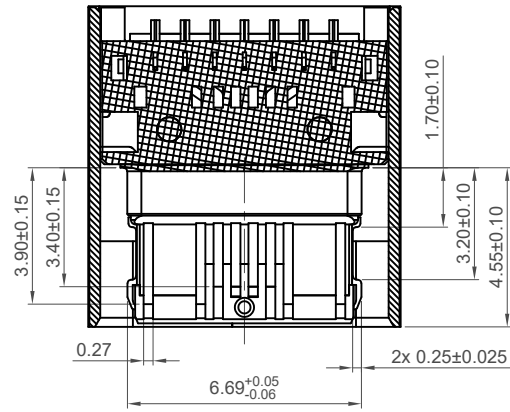
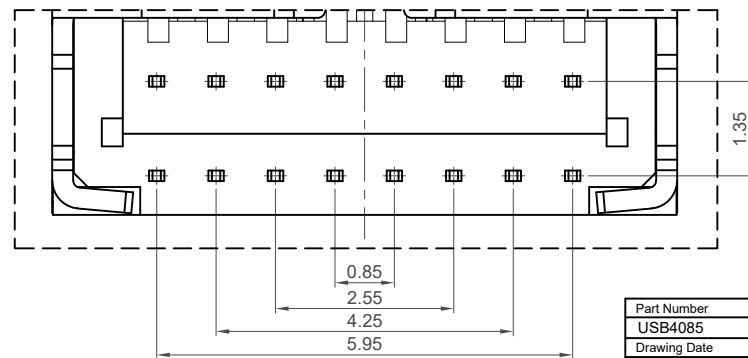
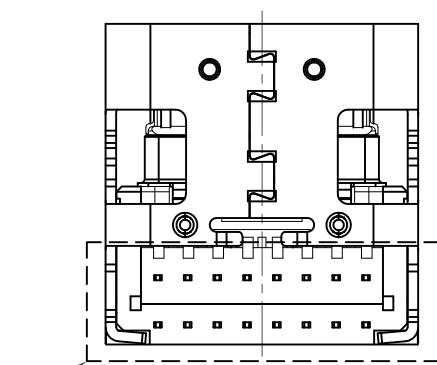
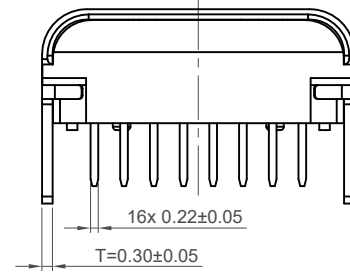
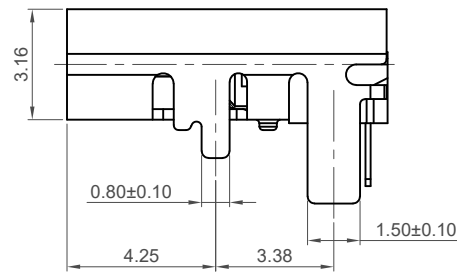
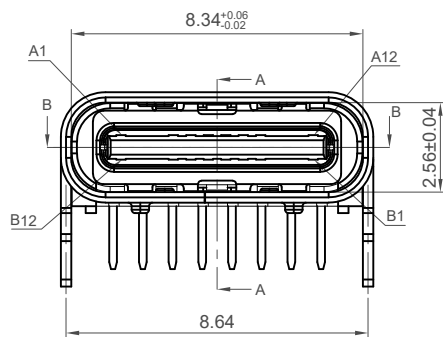


Section A-A



Section B-B



Detail C
Scale 2:1

| Pin | Signal | Mating Sequence | Pin | Signal | Mating Sequence |
|-------|--------|-----------------|-------|--------|-----------------|
| A1 | GND | First | B12 | GND | First |
| A4 | Vbus | First | B9 | Vbus | 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 | Vbus | First | B4 | Vbus | First |
| A12 | GND | First | B1 | GND | First |
| SHELL | | | SHELL | | |

Specifications

Material

Insulator: High Temp. Plastic UL 94V-0, Black
 Contact: Copper Alloy (T=0.15mm)
 Shell: Stainless steel (T=0.30mm)
 Inner Ground Cover Shell: Stainless Steel (T=0.10mm)
 Mid-Plate: Stainless Steel (T=0.15mm)

Plating

Contact:
 Contact Area: See Ordering Grid
 Solder Tails: 80µ" min. Matte Tin
 Unplating: 50µ" min. Nickel
 Shell: 50µ" min. Nickel
 Inner Ground Cover Shell & Mid-Plate: Cleaning

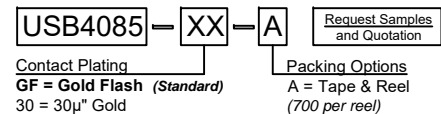
Electrical

Current Rating: 3.00A collectively for Vbus pins
 4.25A collectively for GND pins
 1.25A for B5 pin
 0.25A per pin for all other pins
 Voltage Rating: 20V DC
 Contact Resistance: 40mΩ max initial.
 50mΩ max after test
 Dielectric Withstanding Voltage: 100V AC
 Insulation Resistance 100MΩ min

Mechanical & Environmental

Operating Temperature: -40°C to 85°C
 Mating Force: 5 to 20 N.
 Unmated Force: 6 to 20 N after test
 Durability: 10,000 cycles

Ordering Grid



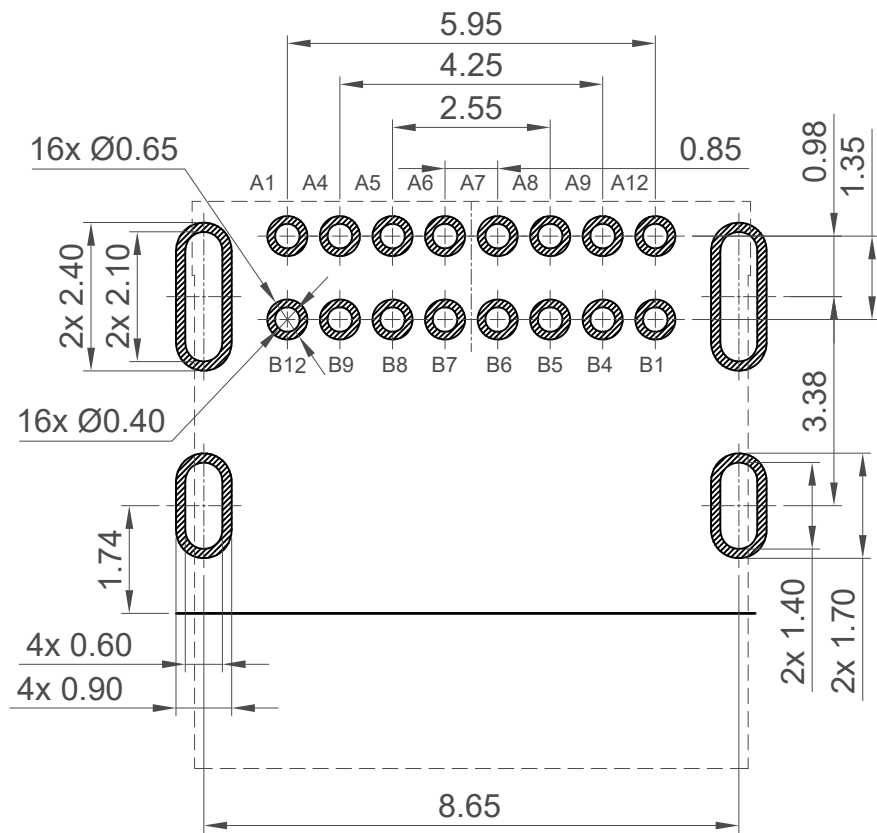
| | | | |
|----------------|-----------------|------------------------------|--------|
| Part Number | | Product Description | |
| USB4085 | | USB 2.0 Type C Receptacle | |
| Drawing Date | | Dip Type, PCB Top Mount | |
| 9th April 2018 | | | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | Drawing Release | Length | Angle |
| Revision | A4 | X. ± 0.50 | ± 2° |
| Date | 27/07/21 | X.X ± 0.30 | |
| | | X.XX ± 0.20 | |
| | | X.XXX ± 0.10 | |



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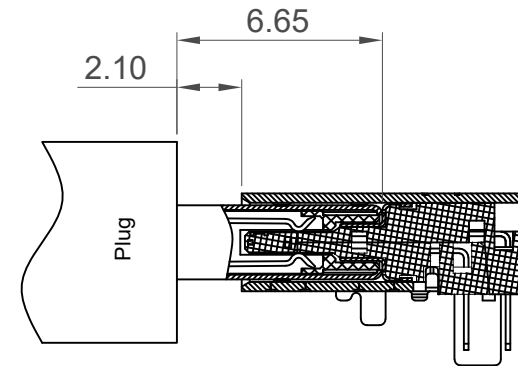
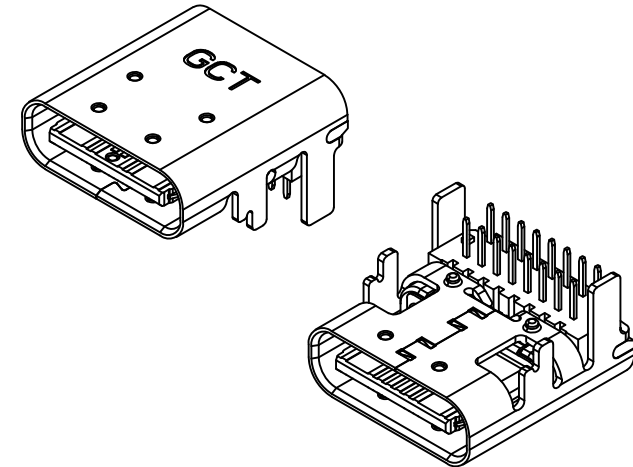
| | | |
|--------------|-------------|---------------|
| Not to Scale | Drawn By CC | Sheet No. 1/3 |
|--------------|-------------|---------------|



Recommended PCB Layout

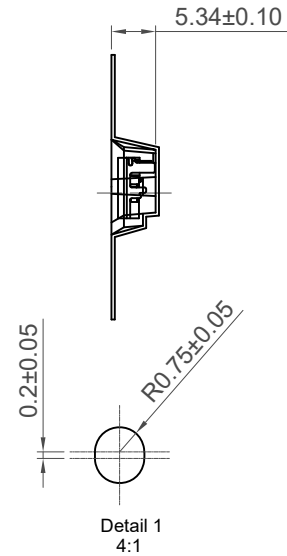
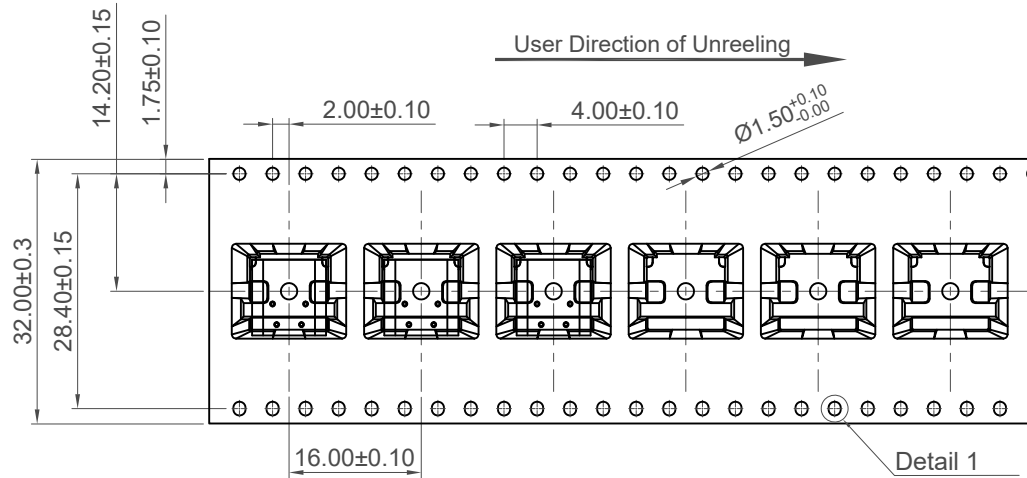
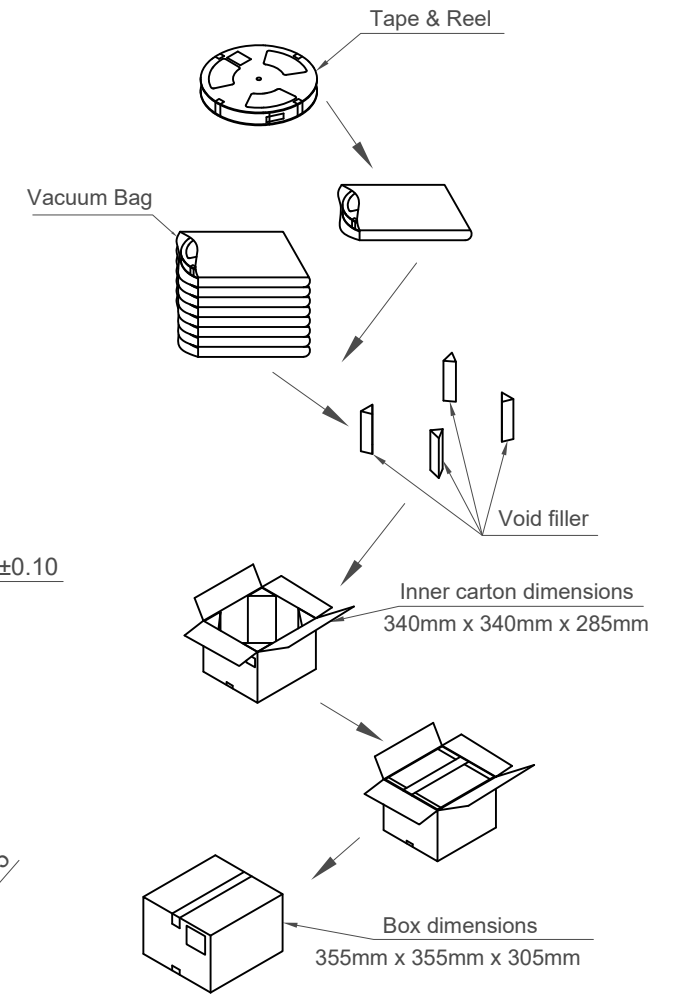
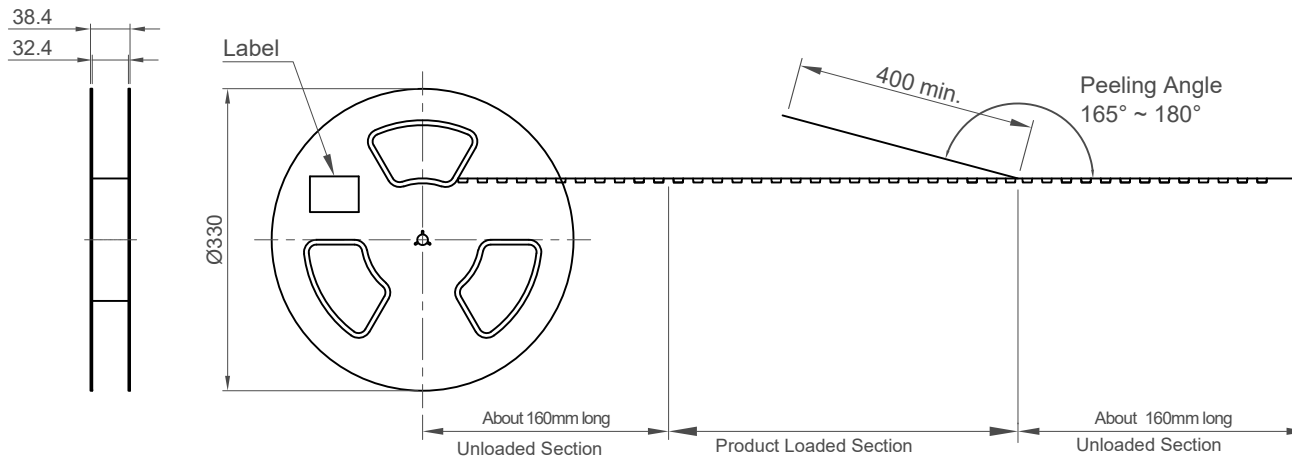
As viewed from component side Tolerance: $\pm 0.05\text{mm}$

Solder Area Component Outline



Plug and Receptacle Mating View


| | | | | | |
|----------------|-----------------|------------------------------|-----------|-------------|--|
| Part Number | | Product Description | | | www.gct.co |
| USB4085 | | USB 2.0 Type C Receptacle | | | |
| Drawing Date | | Dip Type, PCB Top Mount | | | |
| 9th April 2018 | | | | | |
| By | CC | Tolerances (Except as Noted) | | Units: | |
| Detail | Drawing Release | Length | Angle | Metric (mm) | |
| Revision | A4 | X. ± 0.50 | ± 2° | | |
| Date | 27/07/21 | X.X ± 0.30 | | | |
| | | X.XX ± 0.20 | | | |
| | | X.XXX ± 0.10 | | | |
| | | | | | © This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE |
| Not to Scale | Drawn By | CC | Sheet No. | 2/3 | |



Notes:
 Peeling off force of top tape: 0.1-1.3N (Peeling direction as shown)

Materials:
 Carrier Tape: Polystyrene (PS)
 Top Tape: PE
 Reel Tape: Polystyrene (PS)
 Bag: PE

| Pcs / Reel | Reels / Carton | Total Quality |
|------------|----------------|---------------|
| 700 | 7 | 4,900 pcs |

| | | | | |
|--|-----------------------|--|---|---|
| Part Number USB4085 | | Product Description USB 2.0 Type C Receptacle Dip Type, PCB Top Mount | |  www.gct.co |
| Drawing Date 9th April 2018 | | | | |
| By CC | Drawing Release A4 | Tolerances (Except as Noted) Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10 | Units: Metric (mm) ± 2° 3rd Angle Projection | |
| Revision Date | 27/07/21 | | | |
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