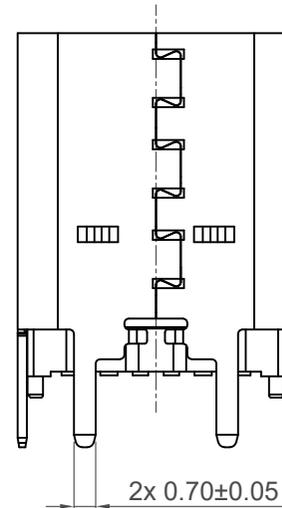
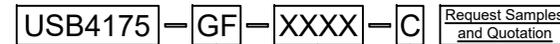


Section:A-A



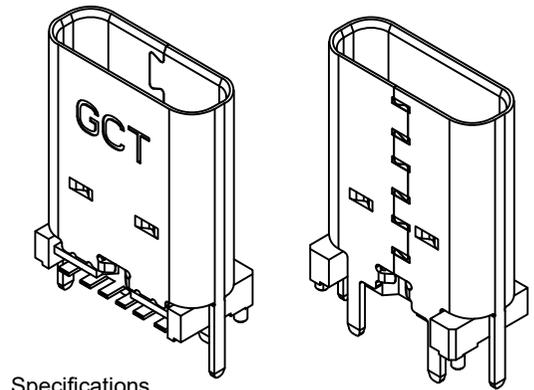
Ordering Grid



Contact Plating
GF = Gold Flash

Packing Options
C = Tape & Reel with Cap
(350 per reel)

Shell Stake Length "S"
0230 = 2.30mm (Standard)
0070 = 0.70mm (Not tooled)
0170 = 1.70mm (Not tooled)
(Please contact GCT for not tooled parts)



Specifications

Material

Insulator: PA9T, UL 94V-0, Black
Contact: Copper Alloy
Shell: Stainless Steel
Middle Plate: Stainless Steel

Plating

Contact
Contact Area: Gold Flash Over 50µ" min. Nickel
Solder Tails: Gold Flash Over 50µ" min. Nickel
Shell: 30µ" min. Nickel
Middle Plate: Clear

Electrical

Current Rating: 3.00A collectively for VBUS pins
4.25A collectively for GND pins
1.25A for A5/B5 pin

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: -25°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles

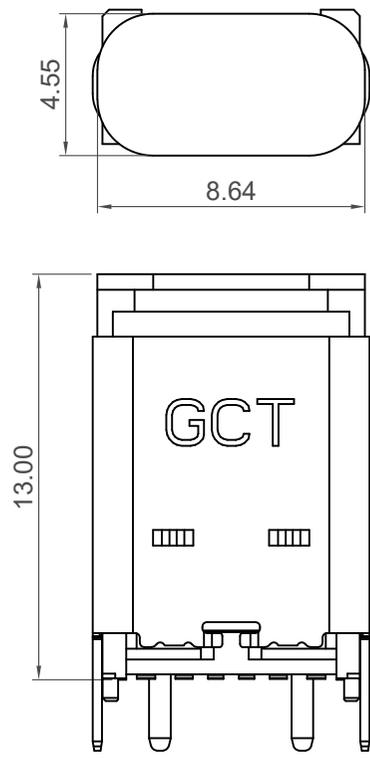
| | | | |
|----------------|-----------------|-----------------------------------------------|-------------|
| Part Number | | Product Description | |
| USB4175 | | USB Type C Receptacle, Vertical, SMT, H11.0mm | |
| Drawing Date | | For Power charging only, 6 Pin | |
| 2nd March 2023 | | | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | Drawing Release | Length | Metric (mm) |
| Revision | A | Angle | |
| Date | 02/03/23 | X.X ± 0.30 | |
| | | X.XX ± 0.20 | |
| | | X.XXX ± 0.10 | |



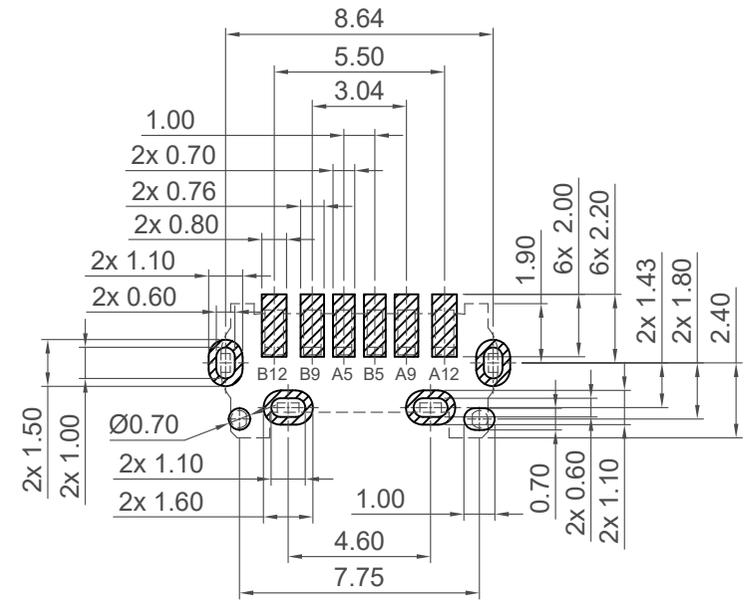
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| | | |
|--------------|-------------|---------------|
| Not to Scale | Drawn By CC | Sheet No. 1/4 |
|--------------|-------------|---------------|



Cap Information



Recommended PCB Layout

Tolerance: $\pm 0.05\text{mm}$

▨ Solder Area □ Component Outline

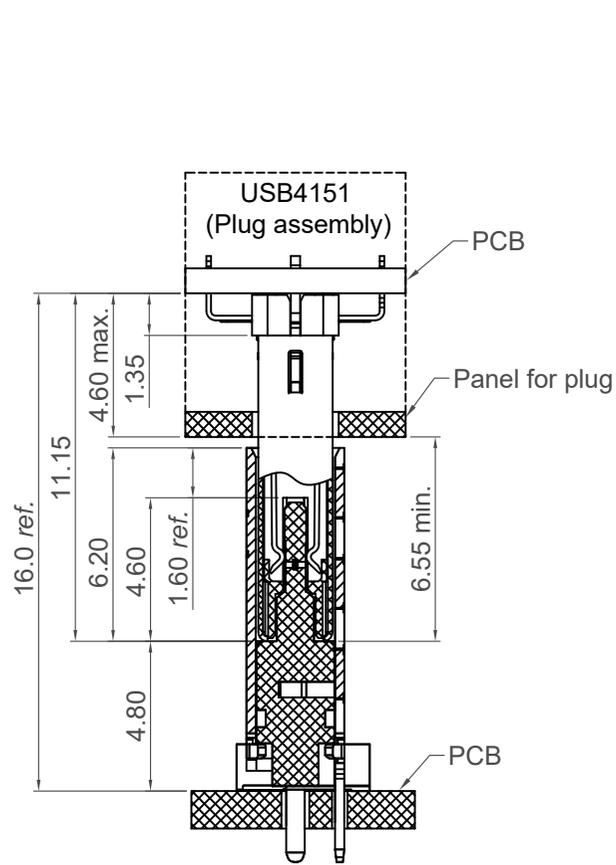
| Pin | Signal | Mating Sequence |
|-------|--------|-----------------|
| A5 | CC1 | Second |
| A9 | VBUS | First |
| A12 | GND | First |
| B5 | CC2 | Second |
| B9 | VBUS | First |
| B12 | GND | First |
| SHELL | | GND |

| | | | |
|----------------|-----------------|-----------------------------------------------|-------------|
| Part Number | | Product Description | |
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| Revision | A | X.X ± 0.30 | |
| Date | 02/03/23 | X.XX ± 0.20 | |
| | | X.XXX ± 0.10 | |

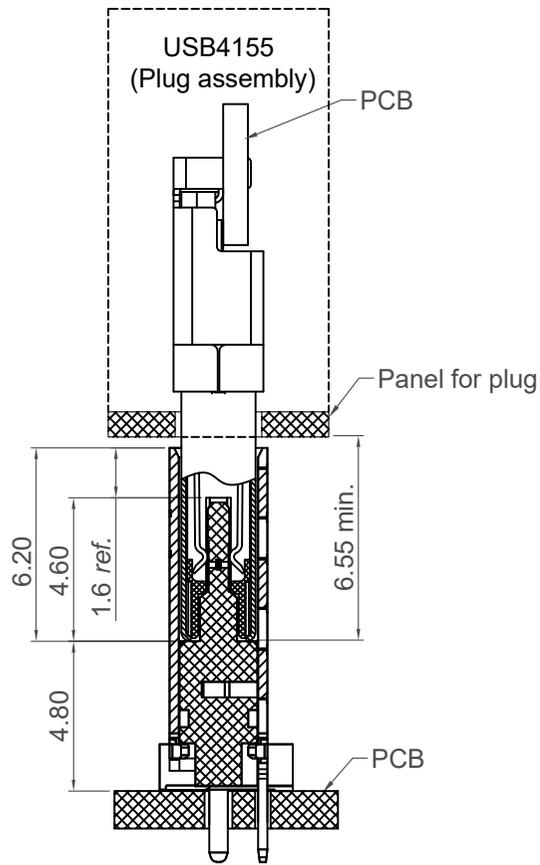
RoHS COMPLIANT
 2011/65/EU
 Deca-SIDE

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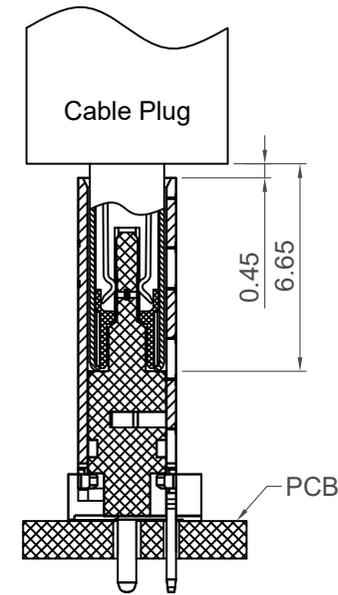
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USB4175
(Receptacle assembly)



USB4175
(Receptacle assembly)

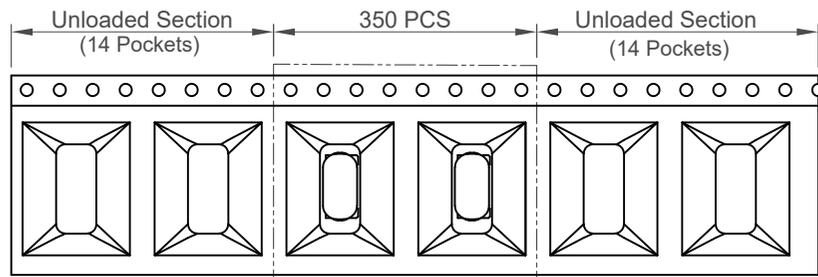


USB4175
(Receptacle assembly)

Plug and Receptacle Mating View

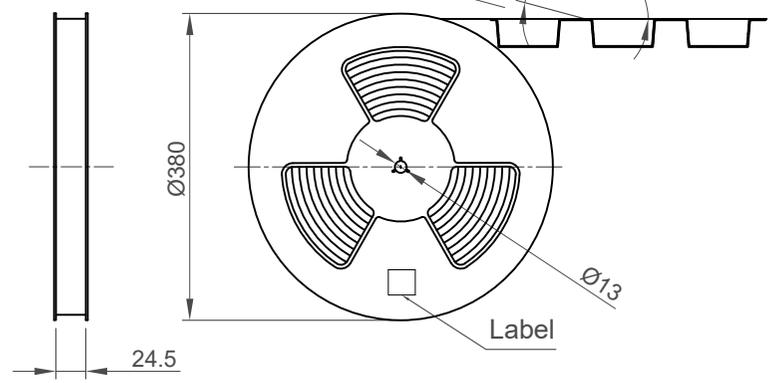
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|----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Part Number | | Product Description | |
| USB4175 | | USB Type C Receptacle, Vertical, SMT, H11.0mm | |
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| 2nd March 2023 | | | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | Drawing Release | Length | Metric (mm) |
| Revision | A | X.X ± 0.30 | |
| Date | 02/03/23 | X.XX ± 0.20 | |
| | | X.XXX ± 0.10 | |
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| | CC | 3/4 | |



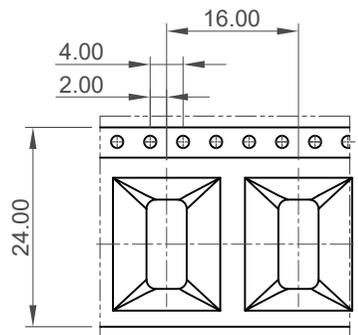


Direction of Unreeling

Peeling Angle 165°~180°

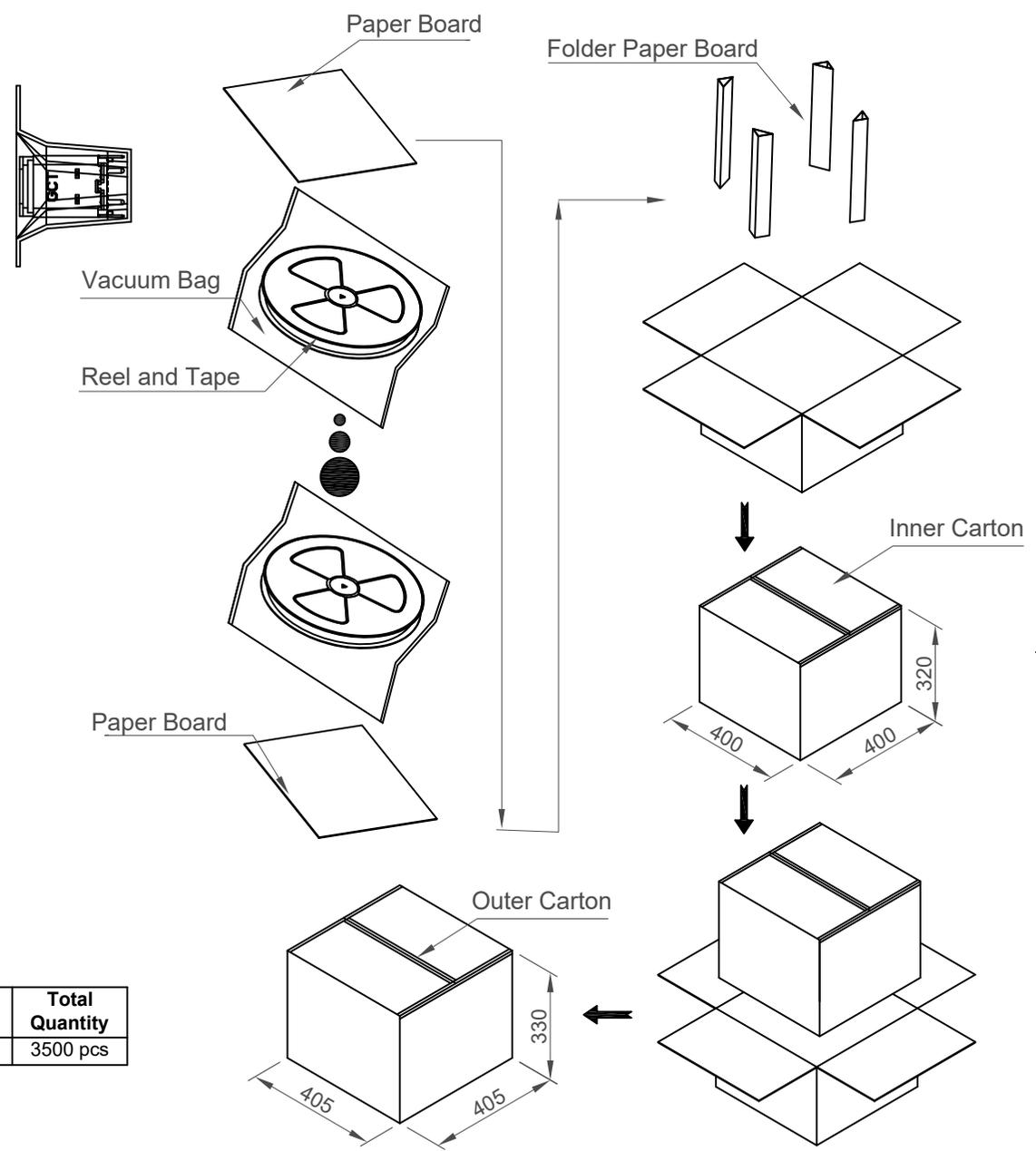


Direction of Unreeling



Detail: E

| Pcs / Reel | Reels / Carton | Total Quantity |
|------------|----------------|----------------|
| 350 | 10 | 3500 pcs |



| | | | |
|----------------|-----------------|-----------------------------------------------|-------------|
| Part Number | | Product Description | |
| USB4175 | | USB Type C Receptacle, Vertical, SMT, H11.0mm | |
| Drawing Date | | For Power charging only, 6 Pin | |
| 2nd March 2023 | | | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | Drawing Release | Length | Metric (mm) |
| Revision | A | X.X ± 0.30 | |
| Date | 02/03/23 | X.XX ± 0.20 | |
| | | X.XXX ± 0.10 | |



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