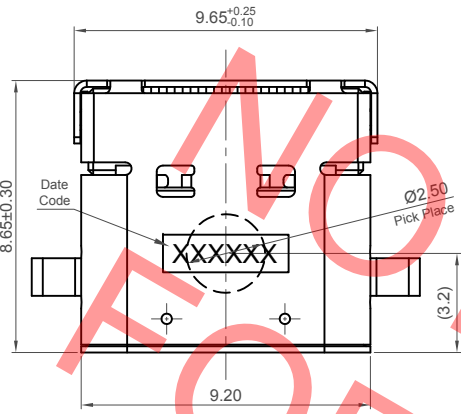
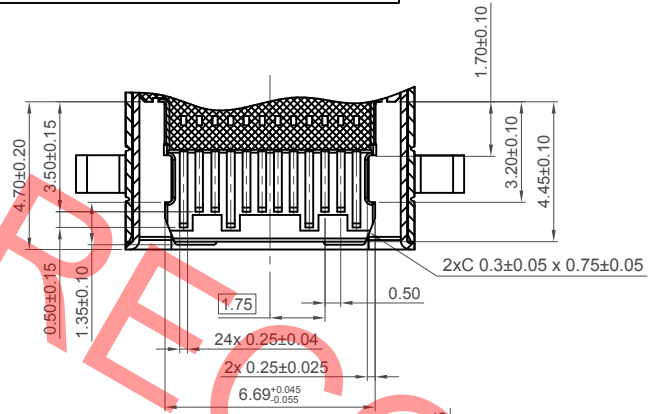


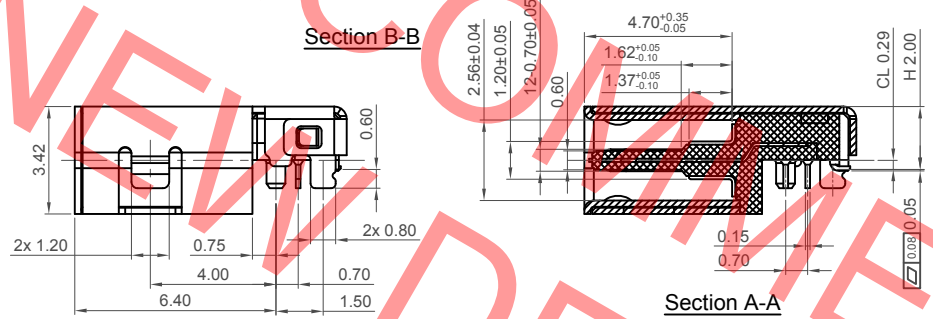
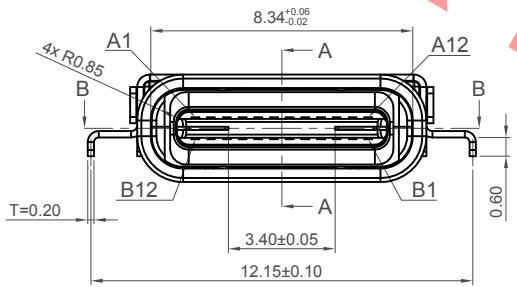
H
G
F
E
D
C
B
A



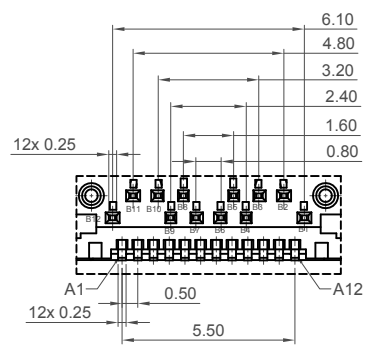
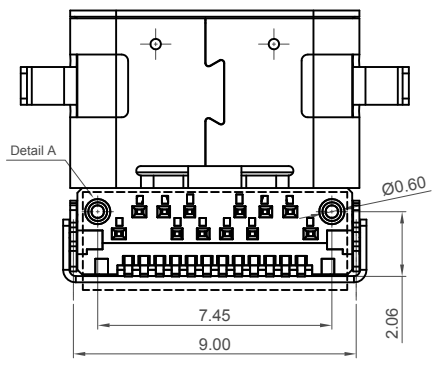
GCT USB4060 is designed and manufactured to be compatible with USB Type C specification latest release. Compliance testing for products conforming to the USB type-C cable and connector specification are currently under development by the USB-IF.



Section B-B



Section A-A



Detail A

| Pin | Signal | Mating Sequence | Pin | Signal | Mating Sequence |
|-------|--------|-----------------|-----|--------|-----------------|
| A1 | GND | First | B12 | GND | First |
| A2 | SSTXp1 | Second | B11 | SSRXp1 | Second |
| A3 | SSTXn1 | Second | B10 | SSRXn1 | Second |
| 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 |
| A10 | SSRXn2 | Second | B3 | SSTXn2 | Second |
| A11 | SSRXp2 | Second | B2 | SSTXp2 | Second |
| A12 | GND | First | B1 | GND | First |
| SHELL | | | GND | | |
| SHELL | | | GND | | |

Specifications

Material

Insulator: High Temp. Plastic UL 94V-0, Black
 Contact: High Grade Copper Alloy (T=0.15mm)
 Shell: Stainless steel (T=0.20mm)
 Cover Shell: Iron (T=0.20mm)
 Inner Ground Cover Shell: Stainless Steel (T=0.10mm)
 Mid Plate: Stainless Steel (T=0.10mm)

Plating

Contact: 30µ" Gold over 50µ" min. Nickel
 Solder Tails: 80µ" min. Matte Tin over 50µ" min. Nickel
 Shell: 50µ" min. Nickel
 Cover Shell: 80µ" min. Nickel
 Inner Ground Cover Shell: 50µ" min. Nickel

Electrical

Current Rating: 5.00A collectively for Vbus pins
 6.25A 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: 8 to 20 N after test
 Durability: 10,000 cycles

Ordering Grid

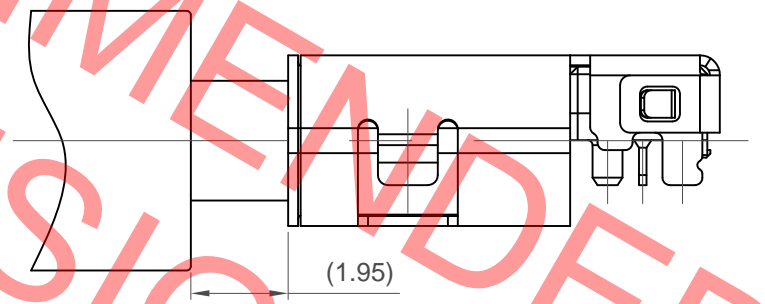
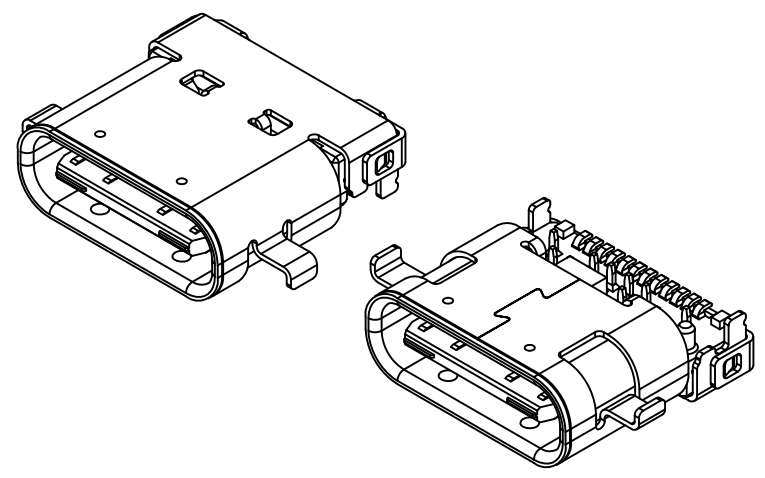
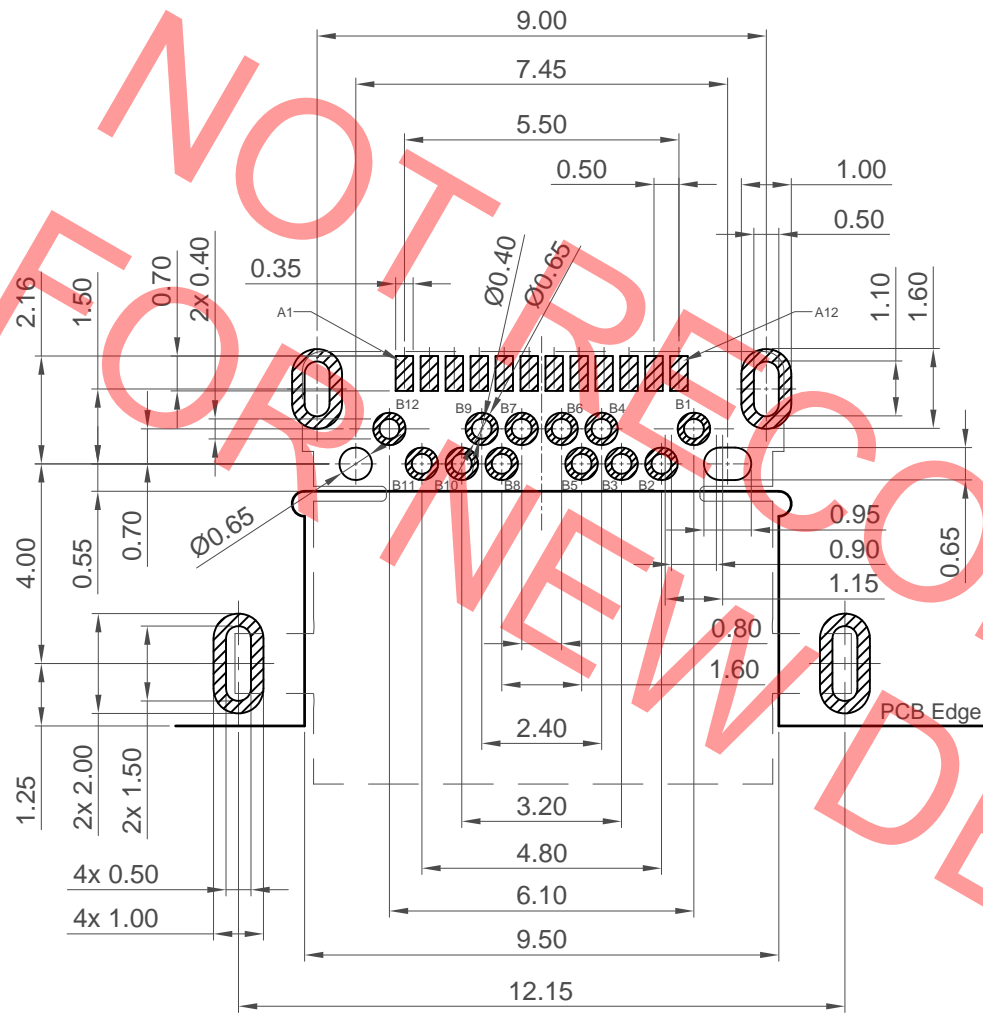
USB4060 - 30 - A

Request Samples and Quotation

Contact Plating
 30 = 30µ" Gold

Packing Options
 A = Tape & Reel
 (1,000 per reel)

| | | | | | |
|---------------------------------|--------------------|--|-----------------------|--|---|
| Part Number USB4060 | | Product Description USB Type C Receptacle Hybrid type, PCB Mid Mount, 1.00mm Offset | | | |
| Drawing Date 21st April 2016 | | | | | |
| By CC | USB4060 B PCN | Tolerances (Except as Noted) Length X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10 | Units: Metric (mm) | | 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 |
| Detail Revision Date | B B 04/09/17 | ± 2° | | | |
| Not to Scale | | Drawn By AJO | Sheet No. 1/3 | | |



Recommended PCB Layout

As viewed from component side

Recommended PCB Thickness: 0.60mm Tolerance: ±0.05mm

▨ Solder Area □ Component Outline

Mating View

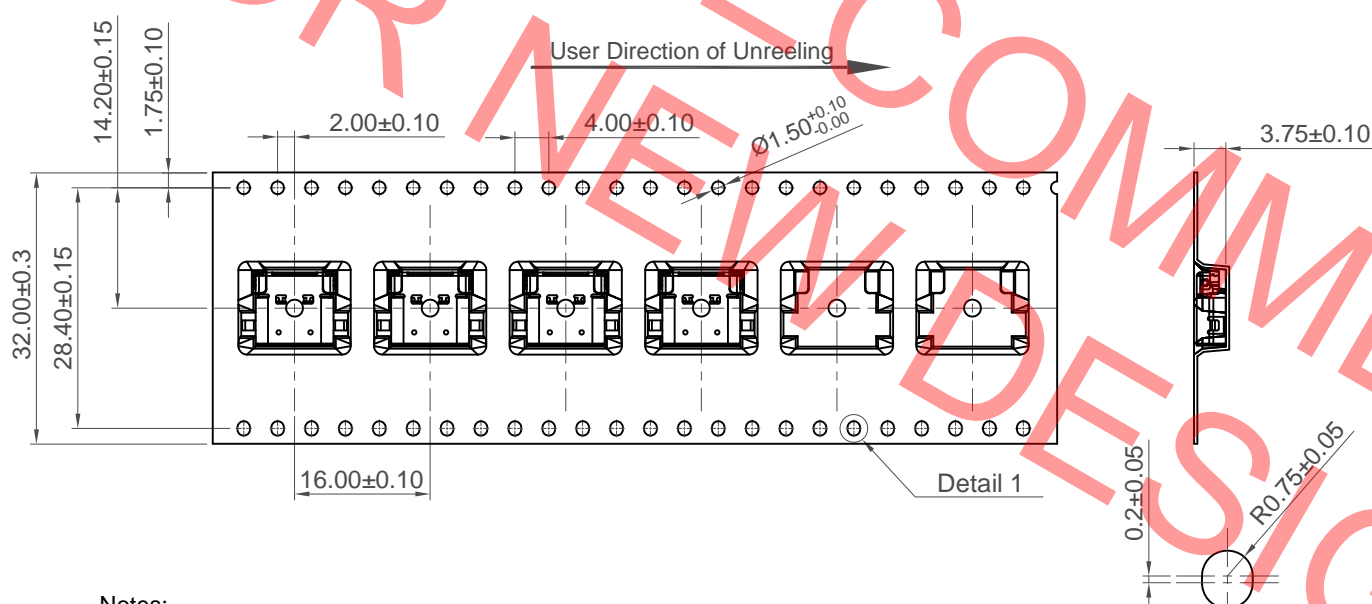
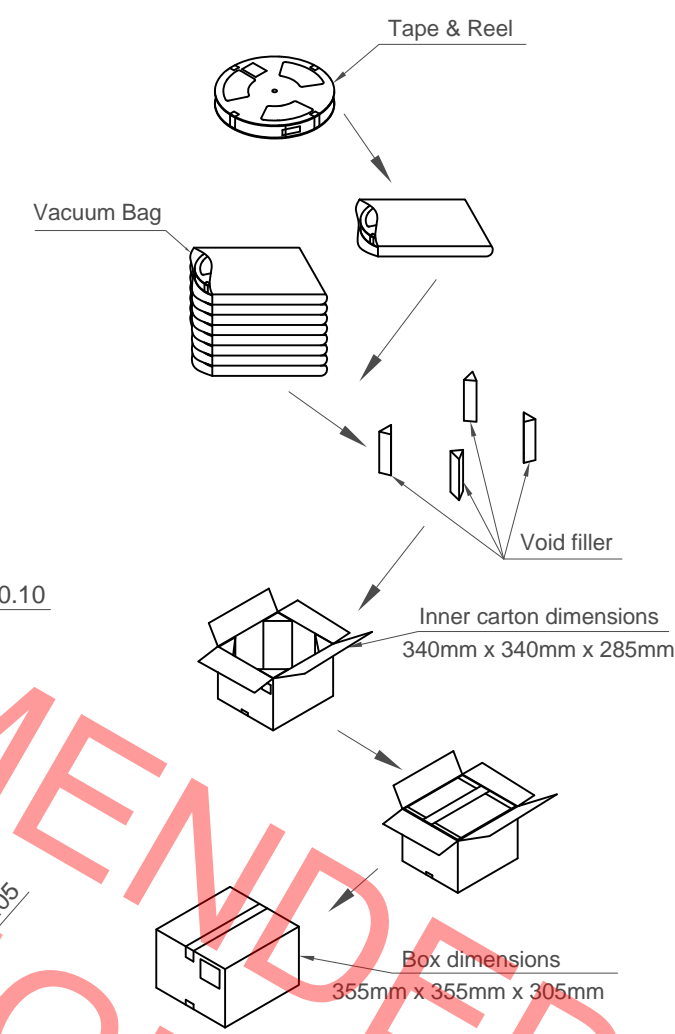
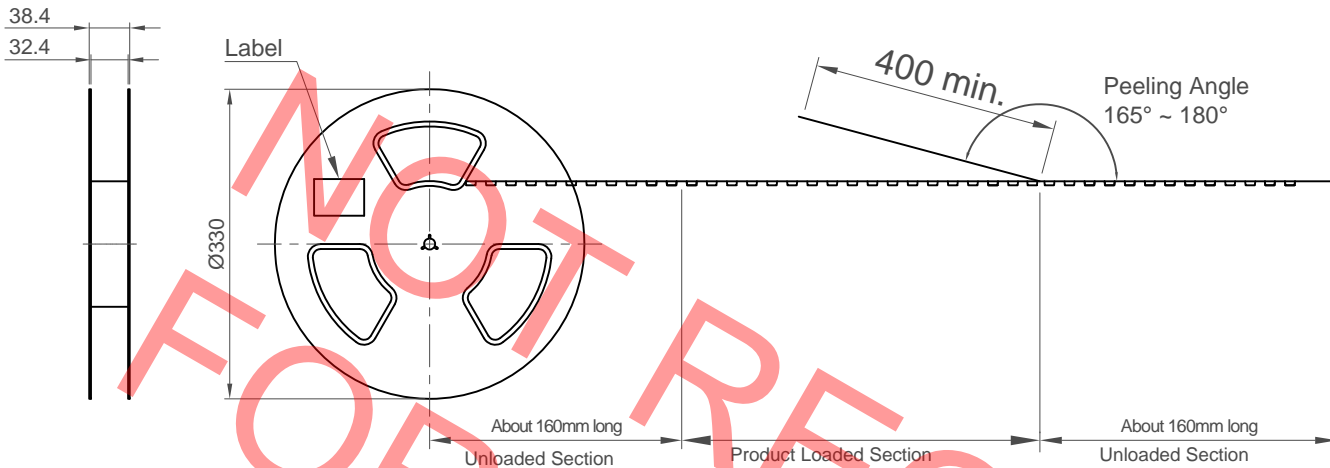
| | | | |
|-----------------|------------------|--|-------------|
| Part Number | | Product Description | |
| USB4060 | | USB Type C Receptacle | |
| Drawing Date | | Hybrid type, PCB Mid Mount, 1.00mm Offset | |
| 21st April 2016 | | | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | USB4060 B PCN | X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10 | Metric (mm) |
| Revision | B | ± 2° | |
| Date | 04/09/17 | | |



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Not to Scale Drawn By AJO 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 |
|------------|----------------|---------------|
| 1000 | 7 | 7,000 pcs |

| | | | |
|---------------------------------|--|---|---------------|
| Part Number USB4060 | | Product Description USB Type C Receptacle Hybrid type, PCB Mid Mount, 1.00mm Offset | |
| Drawing Date 21st April 2016 | | | |
| By CC | Tolerances (Except as Noted) Length X. ± 0.20 B PCN X.X ± 0.15 Revision B X.XX ± 0.10 Date 04/09/17 X.XXX ± 0.05 | Units: Metric (mm) | Angle ± 1° |
| Detail | | 3rd Angle Projection | |



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