

This document shall be issued upon changes to the design of a GCT Product.
It shall be distributed to all Interested Parties and shall be made available on the GCT Website.

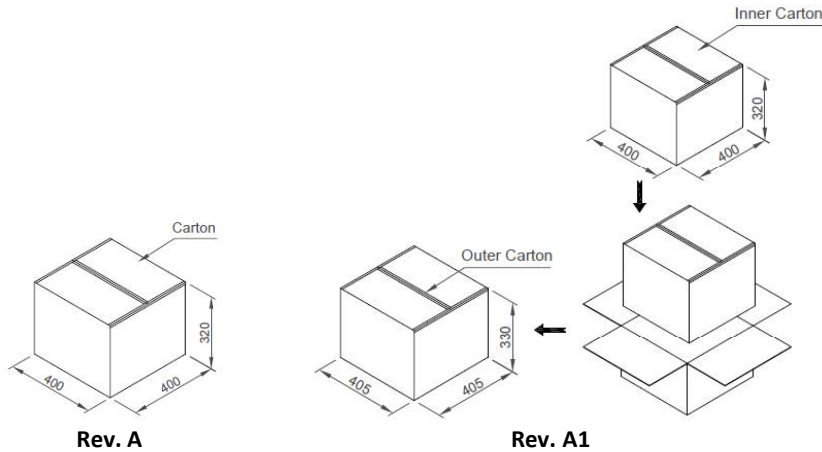
Date of Notice: (DD/MM/YYYY) **18/08/2022** Product Change Notice Number: **USB4800 A1 PCN 20220818**

Product Identifier: **USB4800-03-A**

Drawing Revision Letter: **A1** Effective from date code/batch code: **220818 onwards**

Description of Changes: with diagrams if relevant

1. Insulator material changed from LCP to PA9T
2. Changed packing from one outer carton only to inner carton plus outer carton



Reason for Change:

1. Use of superior material, PA9T is a common material used in Type-C connectors and is robust
2. Packing improvement

Anticipated Impact on Form, Fit, Function or Reliability:

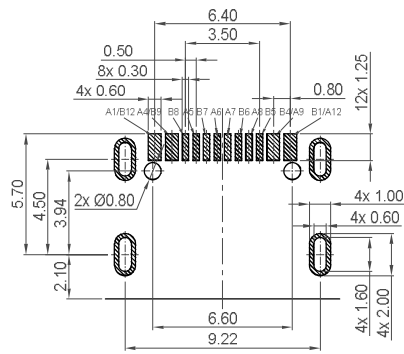
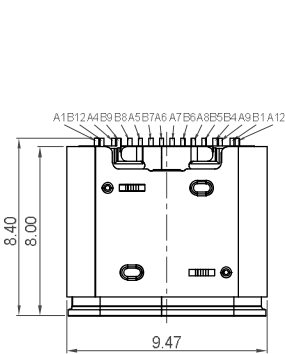
None – reliability tested to ensure no impact on form, fit, function or reliability. PA9T insulator material has been independently tested to be Halogen-free.

Required Inventory Action:

None

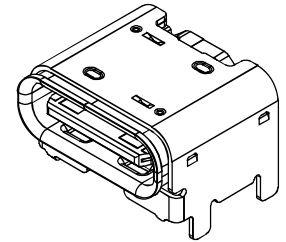
Contact Information(s): (if blank, please visit www.gct.co or use the regional details below).

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Recommended PCB Layout
 Thickness: 0.80 to 1.20mm
 As viewed from component side Tolerance: ±0.05mm
 [Hatched] Solder Area [Outline] Component Outline

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	GND		SHELL	GND	



Specifications

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

Plating

Terminal:
 Contact Area: See Ordering Grid
 Solder Tails: Gold Flash
 Underplating: 50µ" Min. Nickel Over All
 Shell: 30µ" Min. Nickel Over All
 Mid Plate: Clear

Electrical

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 other pins
Voltage Rating: 20V DC
Contact Resistance: 40mΩ max initial
 50mΩ max after test
Dielectric Withstanding Voltage: 100V AC
Insulation Resistance: 100MΩ min

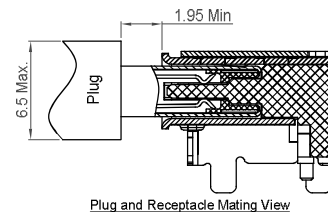
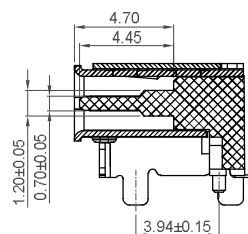
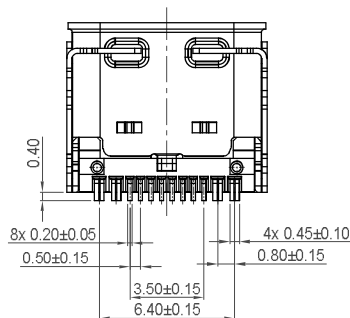
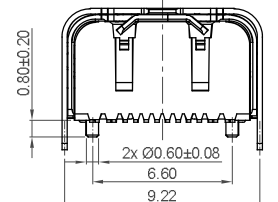
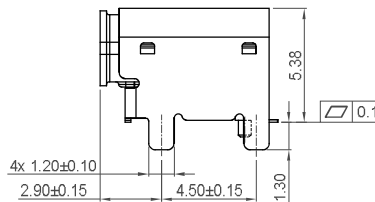
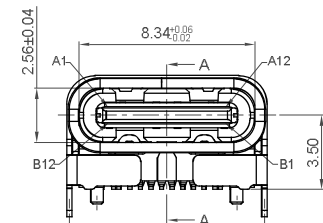
Mechanical & Environmental

Operating Temperature: -25°C to +85°C
Mating Force: 5 to 20 N.
Unmated Force: 6 to 20 N after test
Durability: 10,000 cycles

Ordering Grid

USB4800-03-A

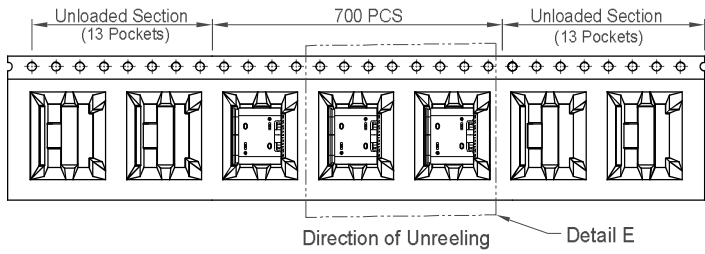
Contact Plating: 03 = 3µ" Gold Packing Options: A = Tape & Reel (700 pcs/reel)



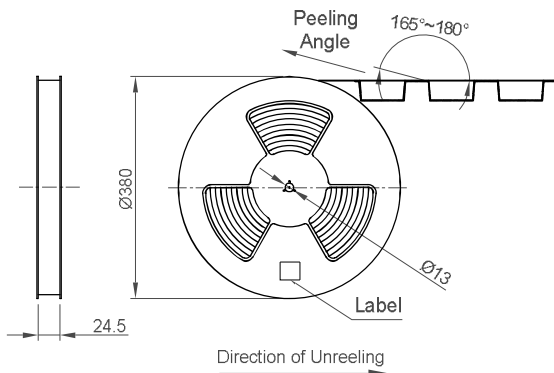
Plug and Receptacle Mating View

Section A-A

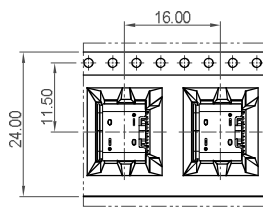
Part Number USB4800		Product Description USB Type C Receptacle for USB 2.0, SMT, Horizontal, 3.50mm Elevated Top Mount, 16Pin		 www.gct.co
Drawing Date 5th July 2022				
By Detail	CC Drawing Release	Tolerances/Except as noted Length XX ± 0.30 XXX ± 0.20 XXXX ± 0.10	Units Metric (mm)	 The drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE
Revision Date	A 18/09/22			Not to Scale Drawn By: CC Sheet No: 1/2



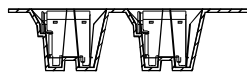
Direction of Unreeling



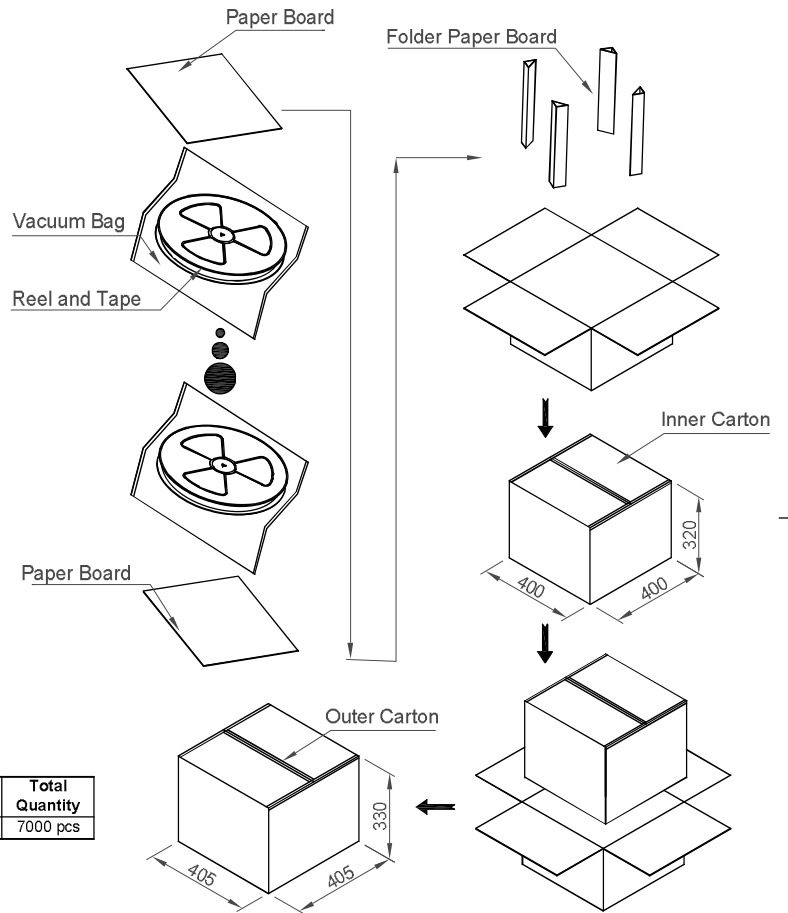
Direction of Unreeling



Detail: E



Pcs / Reel	Reels / Carton	Total Quantity
700	10	7000 pcs



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By Detail	CC Drawing Release	Tolerances/Except as noted Length	Angle	Units Metric (mm)
Revision Date	A1 18/09/22			
The 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. 27