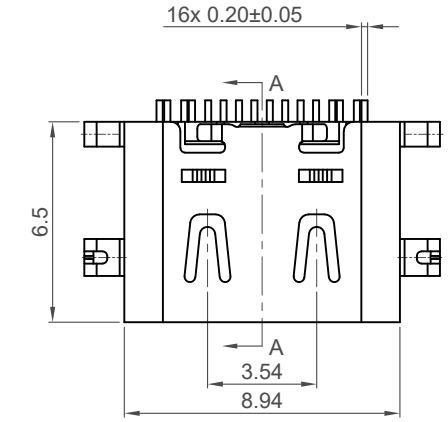
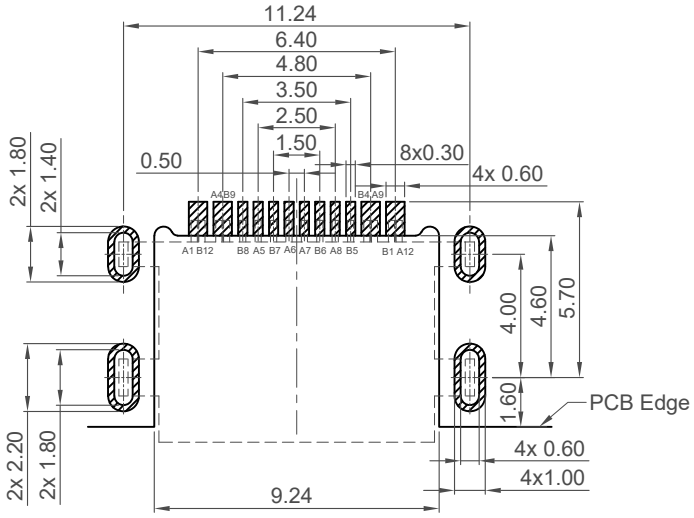
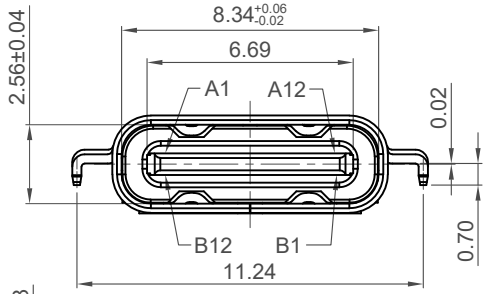
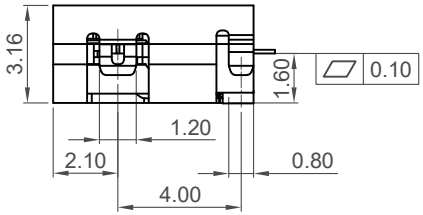




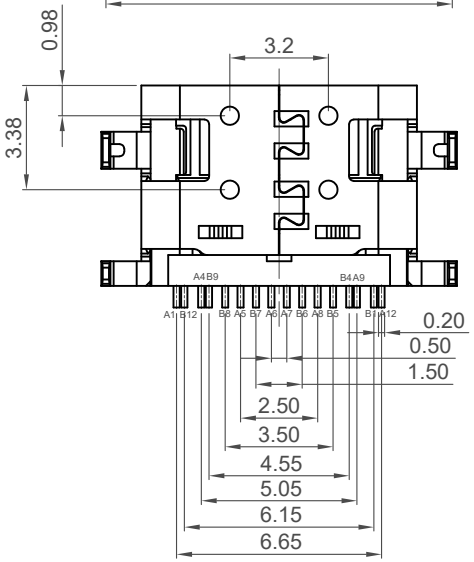
Recommended PCB Layout
Thickness=0.80mm
As viewed from component side *Tolerance:±0.05mm*
Solder Area Component Outline

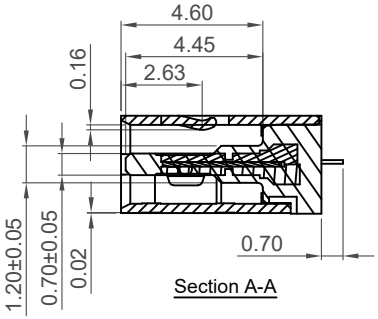




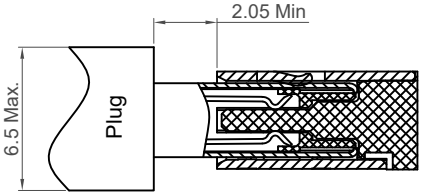
Pin	Signal	Mating Sequence
A1	GND	First
A4	VBUS	First
A5	CC1	Second
A6	Dp1	Second
A7	Dn1	Second
A8	SBU1	Second
A9	VBUS	First
A12	GND	First
SHELL		GND

Pin	Signal	Mating Sequence
B12	GND	First
B9	VBUS	First
B8	SBU2	Second
B7	Dn2	Second
B6	Dp2	Second
B5	CC2	Second
B4	VBUS	First
B1	GND	First
SHELL		GND

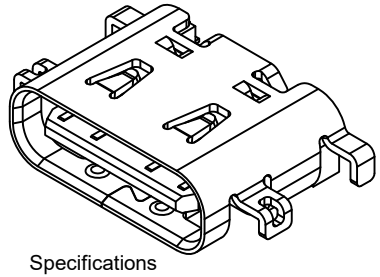




Section A-A



Plug and Receptacle Mating View



Specifications

Material
- Insulator: LCP, E130i, UL 94V-0, Black
- Contact: Copper Alloy, C18400-H, T=0.12mm
- Shell: Stainless steel , SUS304-1/2H, T=0.30mm
- Mid Plate:Stainless Steel, SUS301-3/4H, T=0.15mm

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

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: 48V DC
- Power Rating: 240W
- 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

USB4510 – 03 – 1 – A Request Samples and Quotation

- 03 = Contact Plating: 03 = 3µ" Gold
- 1 = Shell Spring: 1 = With
- A = Packing Options: A = Tape & Reel (1400 pcs/reel)

Part Number	Product Description
USB4510	USB Type C Receptacle for USB 2.0, SMT Type, Mid Mount, 1.6mm Offset
Drawing Date: 1st July 2021	

By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10	-	3rd Angle Projection
Revision	A1			
Date	08/05/23			

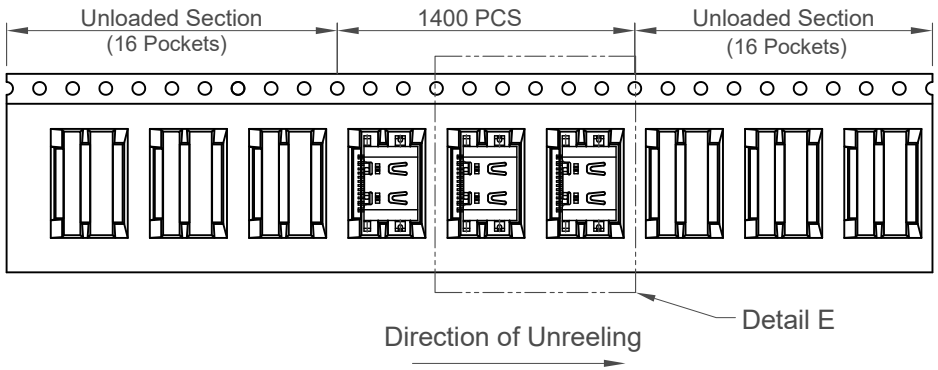
RoHS COMPLIANT 2011/65/EU Decs-BDE

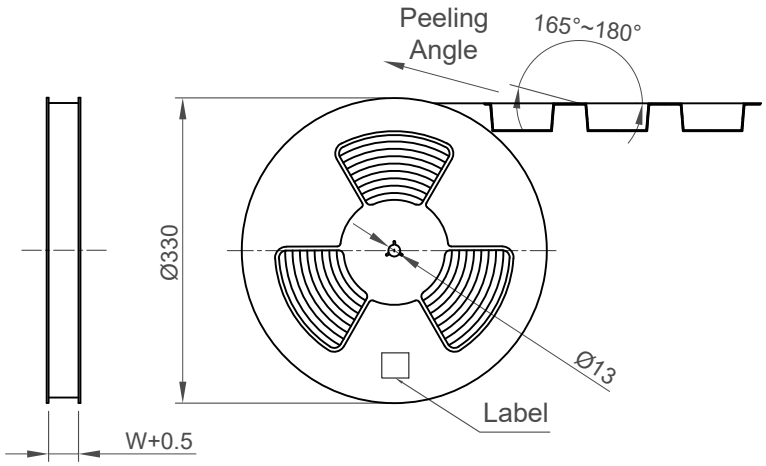
© This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE

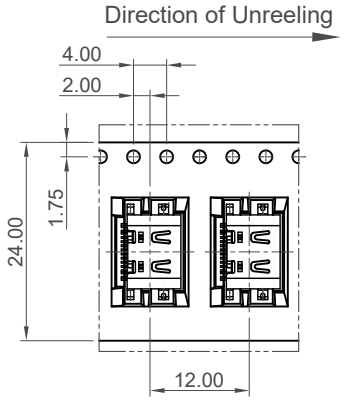
GCT www.gct.co

Not to Scale	Drawn By CC	Sheet No. 1/2

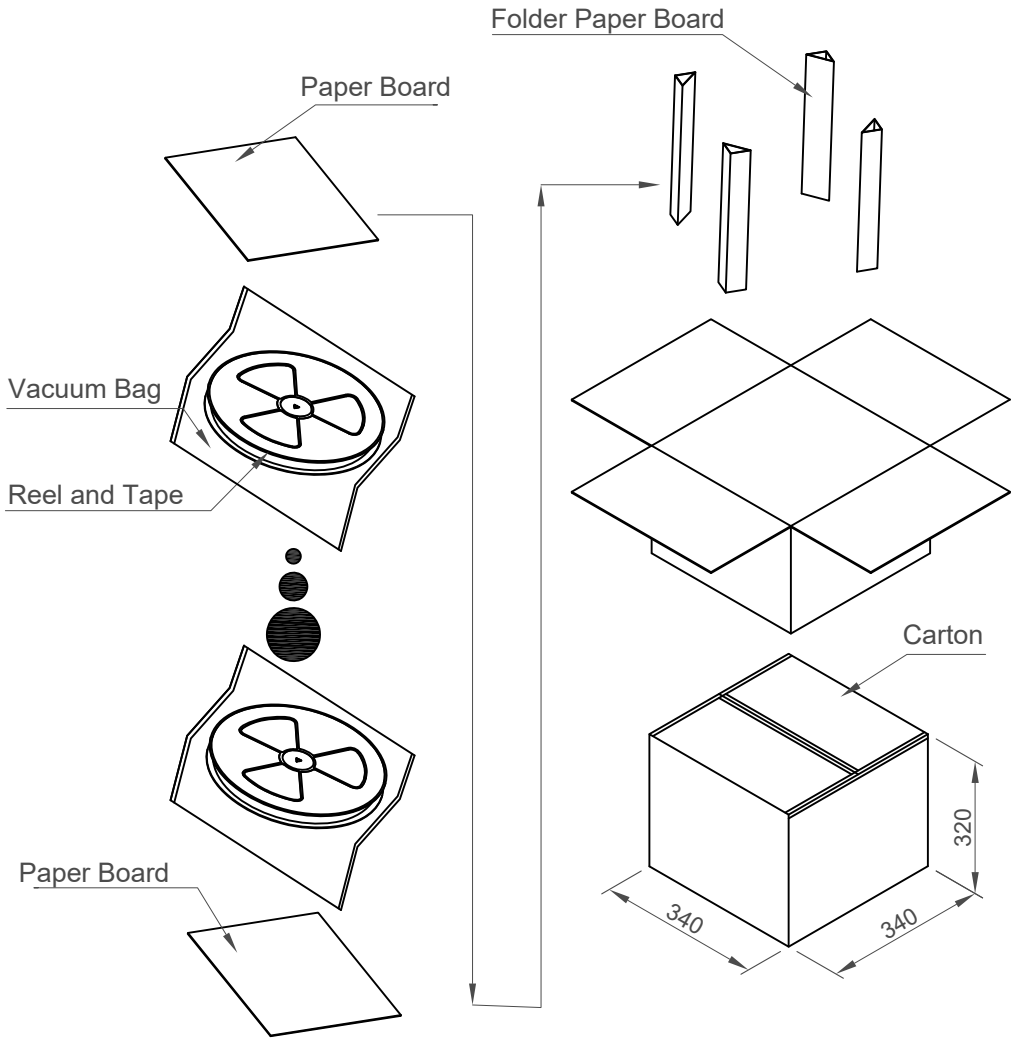
Downloaded from Arrow.com.







Detail: E



Pcs / Reel	Reels / Carton	Total Quantity
1400	10	14000 pcs

Part Number: USB4510		Product Description: USB Type C Receptacle for USB 2.0, SMT Type, Mid Mount, 1.6mm Offset					
Drawing Date: 1st July 2021							
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	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	GCT www.gct.co
Detail	Drawing Release			3rd Angle Projection			
Revision	A1	-	-				Not to Scale / Drawn By CC / Sheet No. 2/2
Date	08/05/23						

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