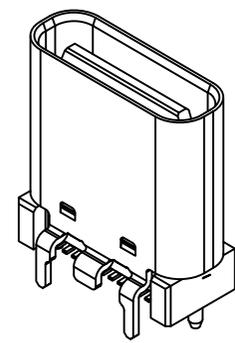


Section: A-A



**Specifications**

**Material**

- Insulator: LCP, UL 94V-0, Black
- Contact: Copper Alloy (C1814), T=0.12mm
- Mid Plate: Stainless Steel (SUS301), T=0.15mm
- EMI Plate: Stainless Steel (SUS301), T=0.10mm
- Shell: Stainless Steel (SUS304), T=0.30mm

**Plating**

- Contact: Contact Area: 3u" Au over 50µ" min. Nickel
- Solder Tails: Matte Tin over 50µ" min. Nickel
- Shell: 30µ" min. Nickel
- Mid Plate: Cleaning
- EMI Plate: Cleaning

**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**

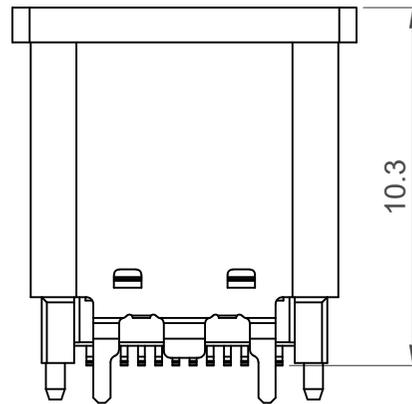
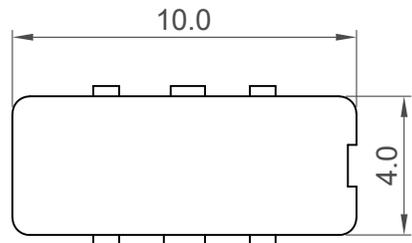
- Operating Temperature: -25°C to +85°C
- Mating Force: 5 to 20 N.
- Unmated Force: 6 to 20 N after test
- Durability: 10,000 cycles

**Ordering Grid**

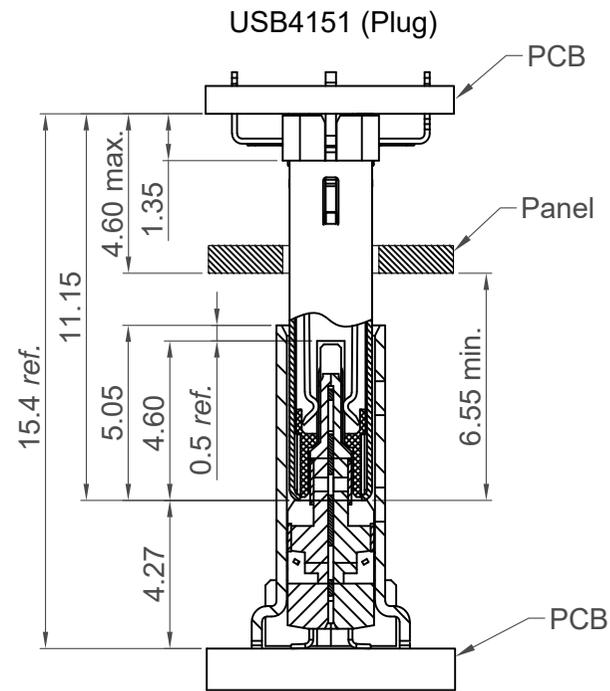
**USB4115** - **03** - **C**
Request Samples and Quotation

Contact Plating: 03 = 3u" Gold
 Packing Options: C = Tape & Reel with Cap (450 per reel)

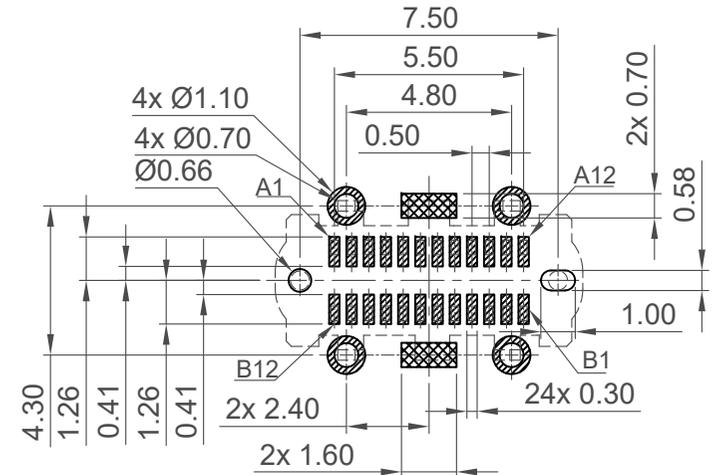
Part Number		Product Description		 www.gct.co
USB4115		USB3.2 Gen2 Type C Receptacle, Vertical, SMT, H=9.25mm		
Drawing Date		28th September 2020		
By	CC	Tolerances (Except as Noted)	Units:	  <small>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE</small>
Detail	USB4115 B PCN	Length X.X ± 0.30	Metric (mm)	
Revision	B2	Angle X.XX ± 0.25		
Date	07/10/21	X.XXX ± 0.10		
Not to Scale	Drawn By	Sheet No.		
	CC	1/3		



Cap Information



USB4115 (Receptacle)  
Plug and Receptacle Mating View

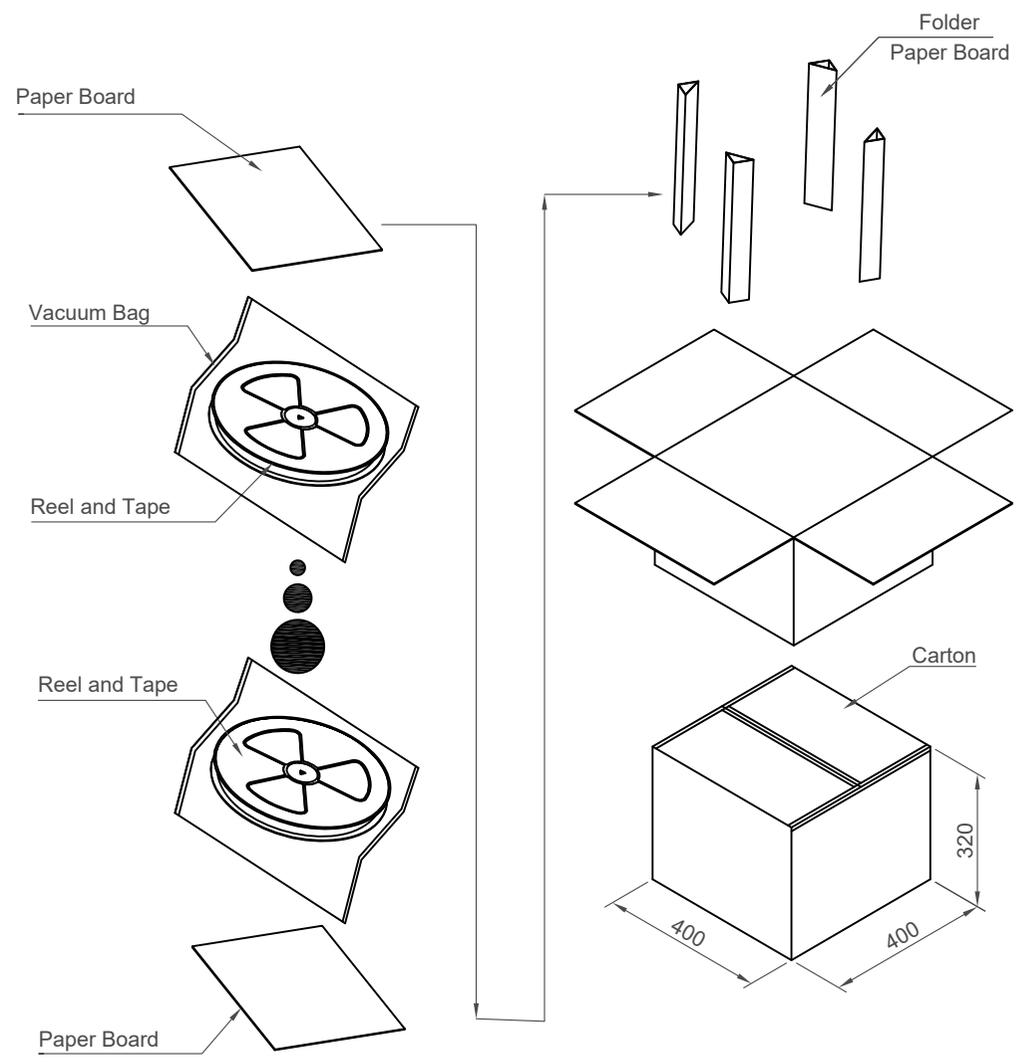
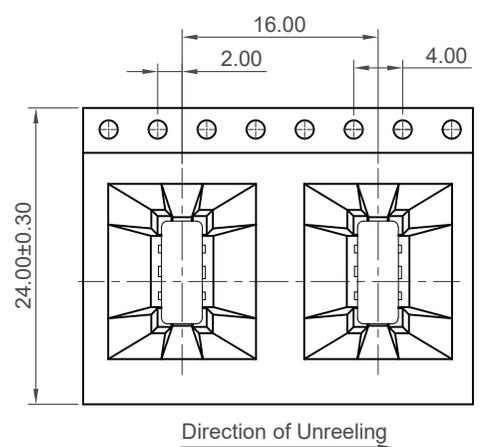
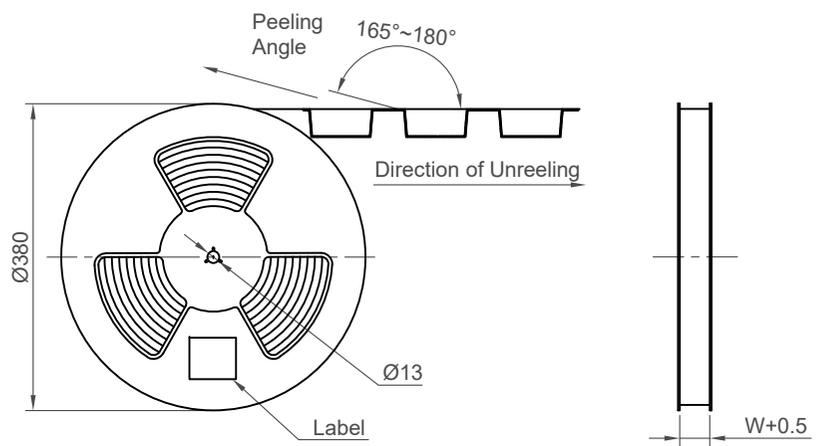
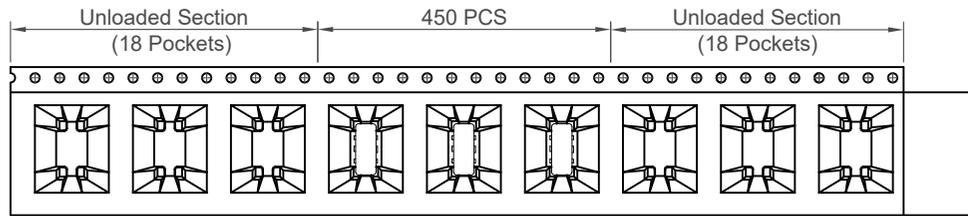


Recommended PCB Layout  
Thickness 1.20±0.10mm  
Tolerance: ±0.05mm

▨ Solder Area ▩ Keep Out Area □ Component Outline

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

Part Number USB4115		Product Description USB3.2 Gen2 Type C Receptacle, Vertical, SMT, H=9.25mm		 www.gct.co
Drawing Date 28th September 2020				
By CC	Detail USB4115 B PCN	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	
Revision B2	Date 07/10/21	X.X ± 0.30 X.XX ± 0.25 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



Pcs / Reel	Reels / Carton	Total Quantity
450	10	4,500 pcs

Part Number		Product Description	
USB4115		USB3.2 Gen2 Type C Receptacle, Vertical, SMT, H=9.25mm	
Drawing Date		28th September 2020	
By	CC	Tolerances (Except as Noted)	Units:
Detail	USB4115 B PCN	Length X.X ± 0.30	Metric (mm)
Revision	B2	Angle X.XX ± 0.25	 3rd Angle Projection
Date	07/10/21	X.XXX ± 0.10	



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