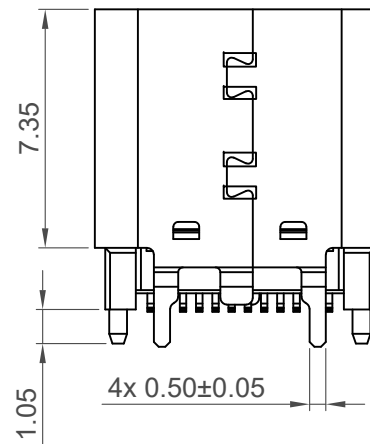
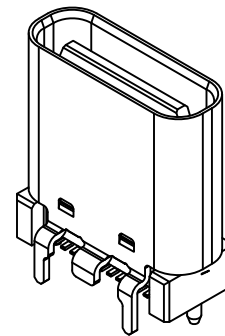


Section: A-A



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

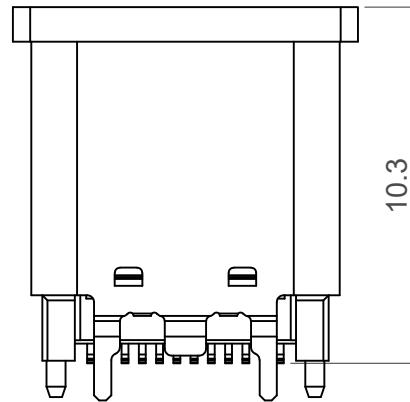
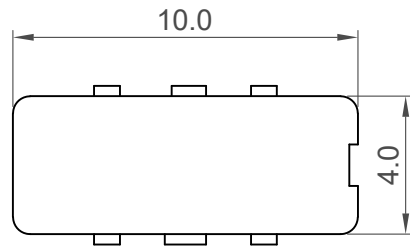
Ordering Grid

USB4115 - 03 - C Request Samples and Quotation

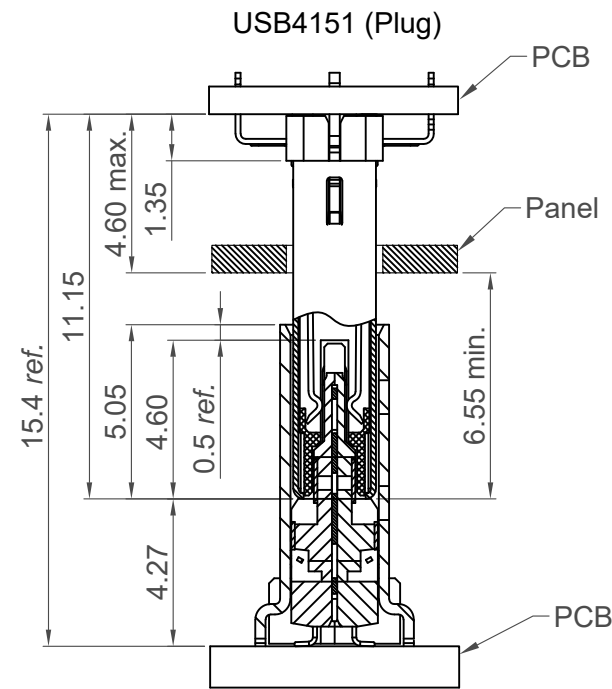
Contact Plating: 03 = 3u" Gold

Packing Options: C = Tape & Reel with Cap (450 per reel)

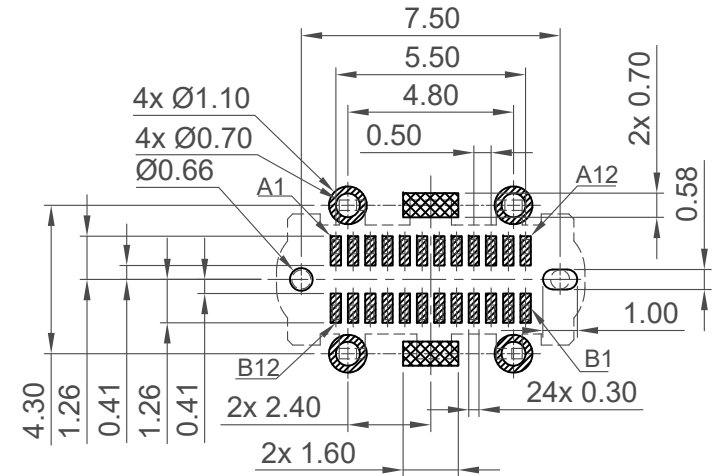
Part Number		Product Description		
USB4115		USB3.2 Gen2 Type C Receptacle, Vertical,		
Drawing Date		SMT, H=9.25mm		
28th September 2020				
By	CC	Tolerances (Except as Noted)	Units:	
Detail	USB4115 B PCN	Length	Metric (mm)	
Revision	B2	Angle		
Date	07/10/21	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10		
				
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		 www.gct.co		
		Not to Scale	Drawn By CC	
		Sheet No. 1/3		



Cap Information



USB4115 (Receptacle)
Plug and Receptacle Mating View

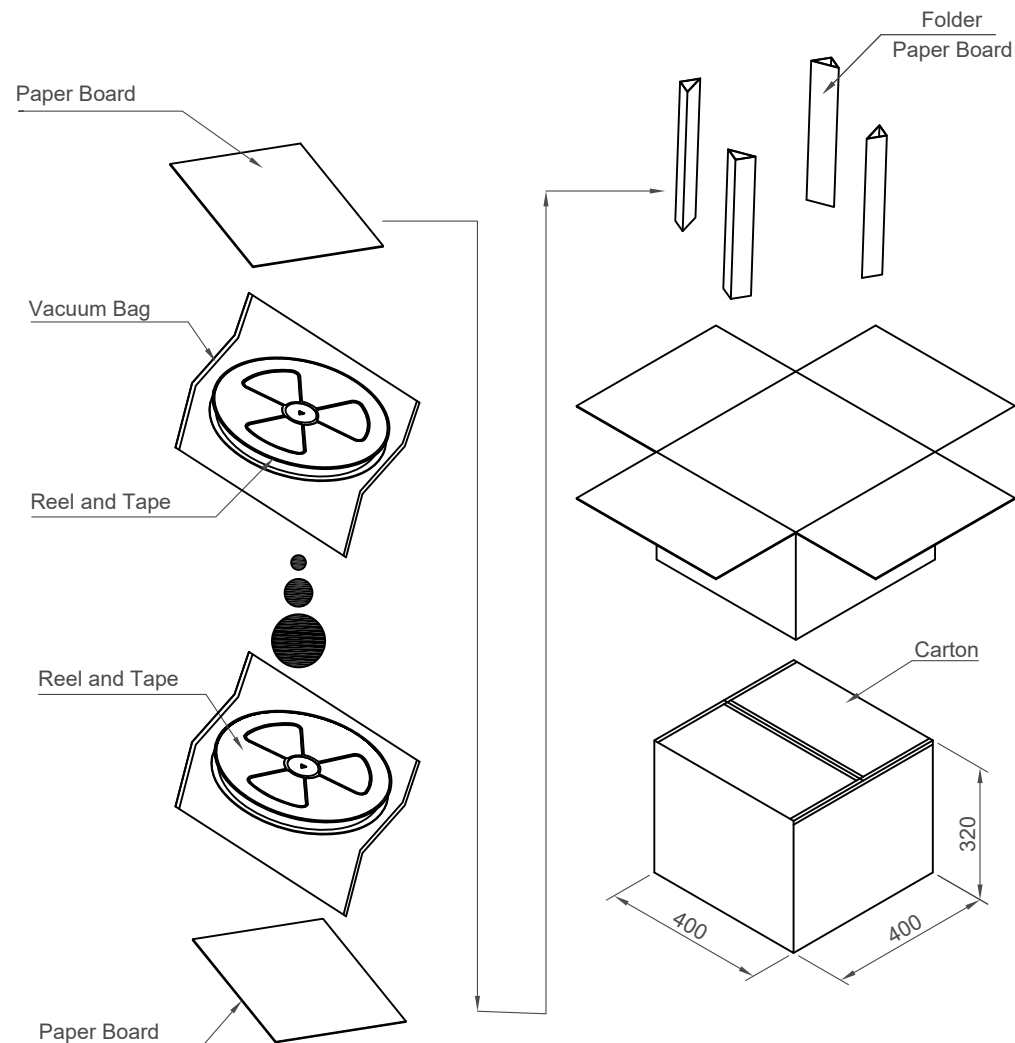
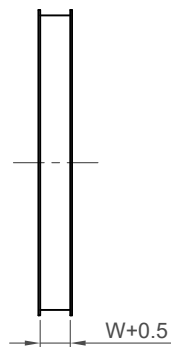
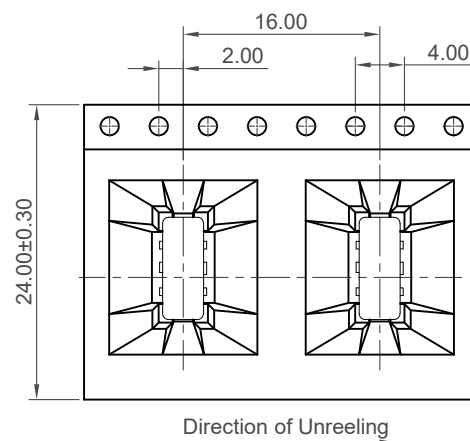
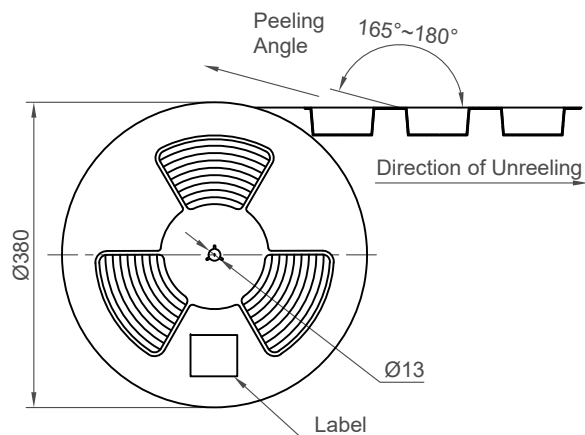
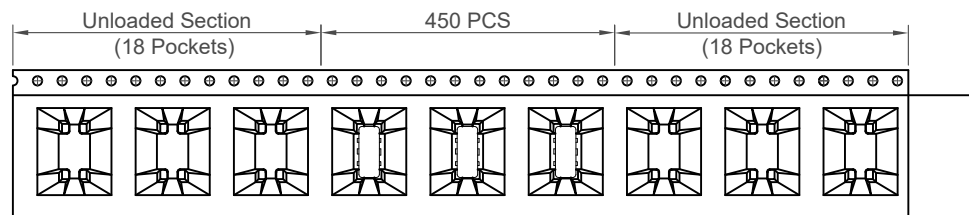


Recommended PCB Layout
Thickness 1.20±0.10mm
Tolerance: ±0.05mm

■ 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	
Drawing Date 28th September 2020			
By CC	Detail USB4115 B PCN	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Units: Metric (mm)
Revision B2	Date 07/10/21		
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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	Metric (mm)
Revision	B2	Angle	
Date	07/10/21	X.X ± 0.30	
		X.XX ± 0.25	
		X.XXX ± 0.10	



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