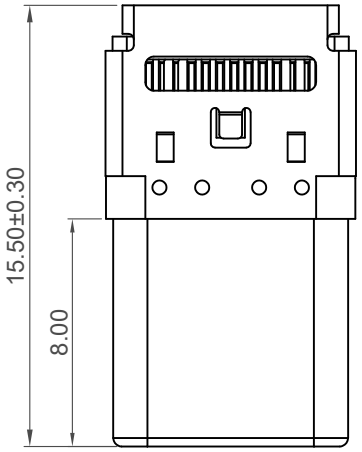
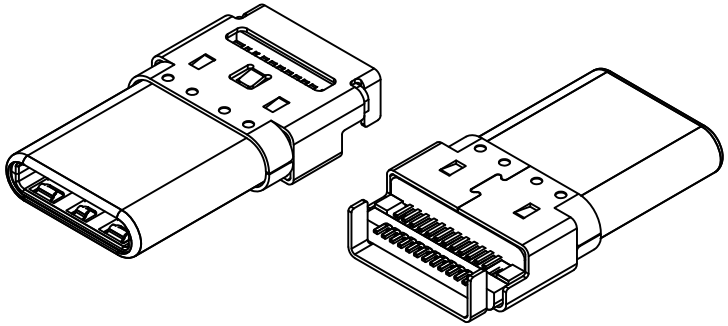
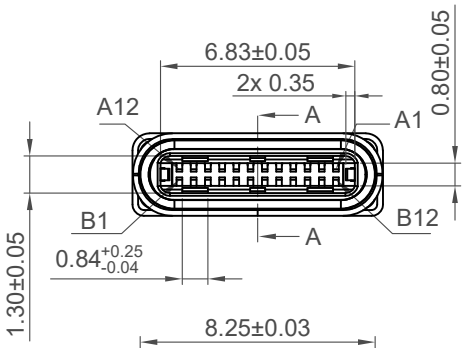
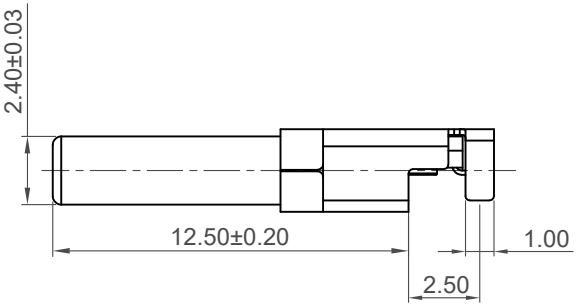
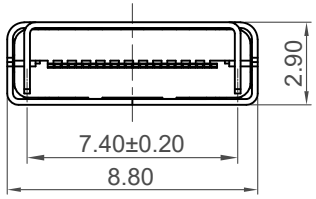
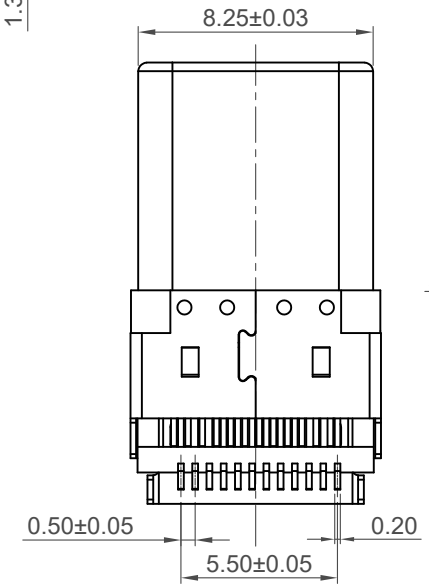


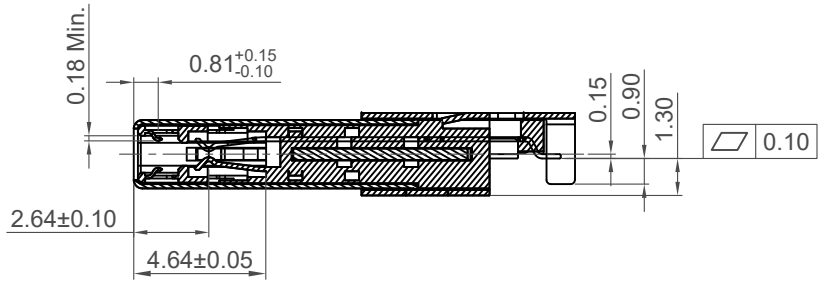












Section A-A

Specifications

Material
- Insulator: LCP, UL 94V-0, Black
- Contact: Copper Alloy
- Shell: Stainless Steel
- Latch: Stainless Steel
- EMI Spring: Stainless Steel

Plating
- Contact
  - Contact Area: 3u" Au over Nickel
  - Solder Tails: Matte Tin over Nickel
- Shell: Nickel
- Latch& EMI Spring: Cleaning

Electrical
- Current Rating: 5.00A collectively for V_{BUS} 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: -30°C to +85°C
- Mating Force: 5 to 20 N.
- Unmated Force: 6 to 20 N after test
- Durability: 10,000 cycles

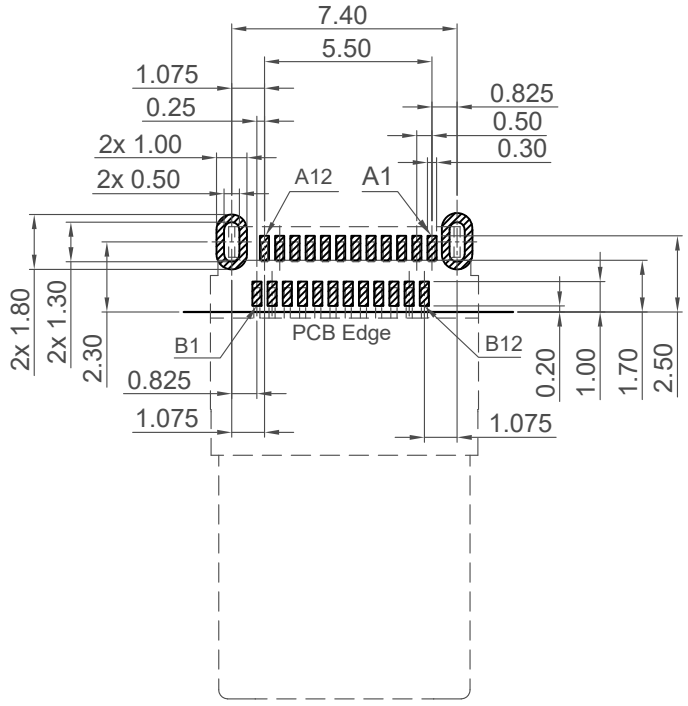
Ordering Grid

USB4155 — 03 — C Request Samples and Quotation

Contact Plating
03 = 3u" Gold

Packing Options
C = Tape & Reel with Cap
(1000 per reel)

Part Number		Product Description						
USB4155		USB3.2 Gen2 Type C Plug, Horizontal, SMT						
Drawing Date								
12th April 2021								
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dec-2DE	© 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	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale	Drawn By CC
Revision	A1							Sheet No. 1/4
Date	27/05/21							

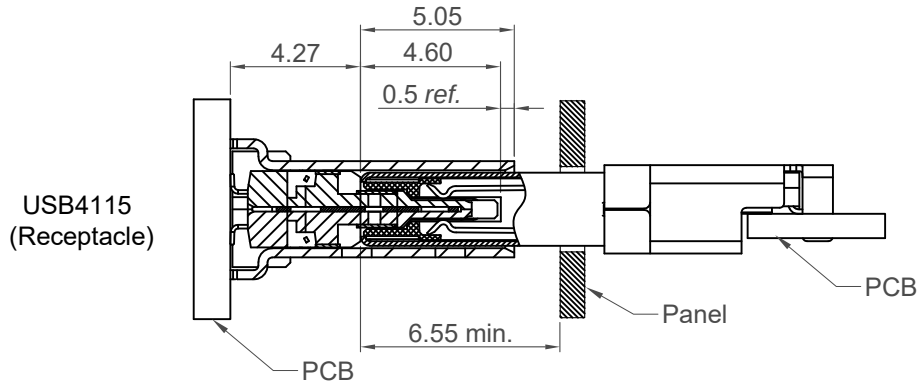


Recommended PCB Layout

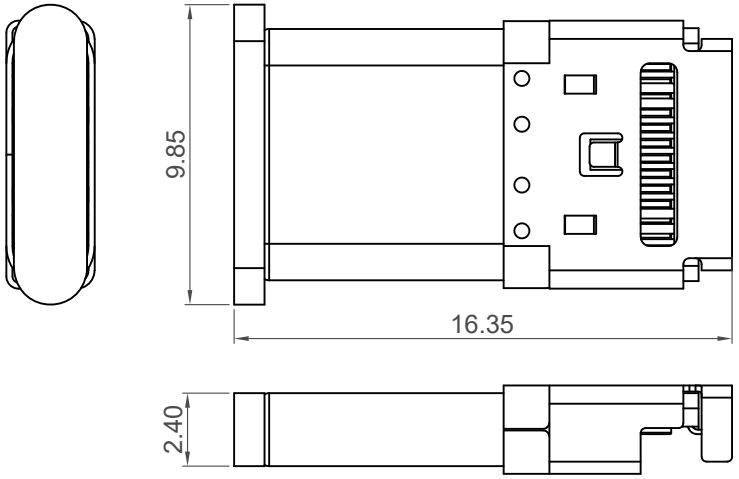
Thickness 0.8 to 1.0 mm

Tolerance: ±0.05mm

Solder Area Component Outline



Plug and Receptacle Mating View

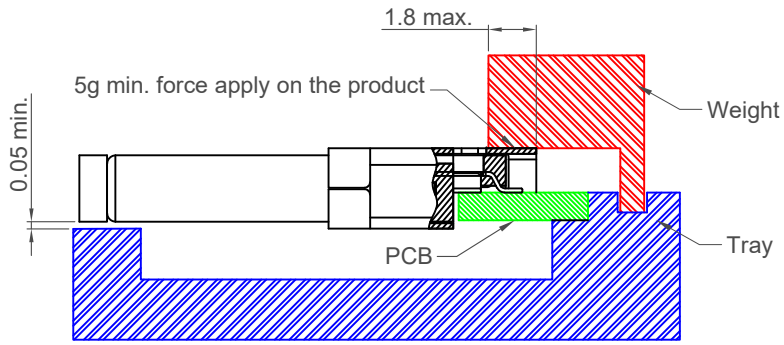


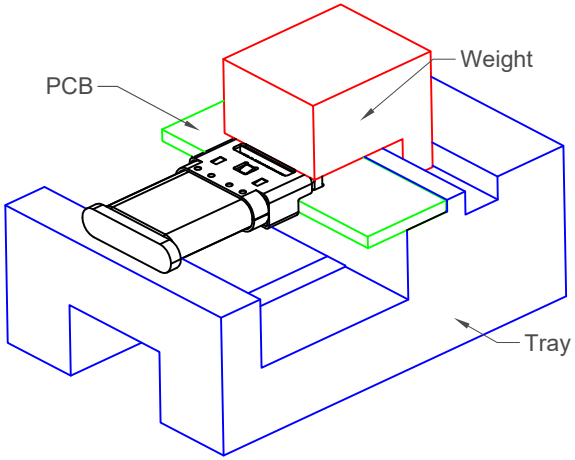
Cap Information

Pin	Signal	Description
A1	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair
A4	V_{BUS}	Bus Power
A5	CC1	Configuration Channel
A6	Dp1	Positive half of the USB 2.0 differential pair - Position 1
A7	Dn1	Negative half of the USB 2.0 differential pair - Position 1
A8	SBU1	Sideband Use (SBU)
A9	V_{BUS}	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair
A12	GND	Ground return
SHELL		GND

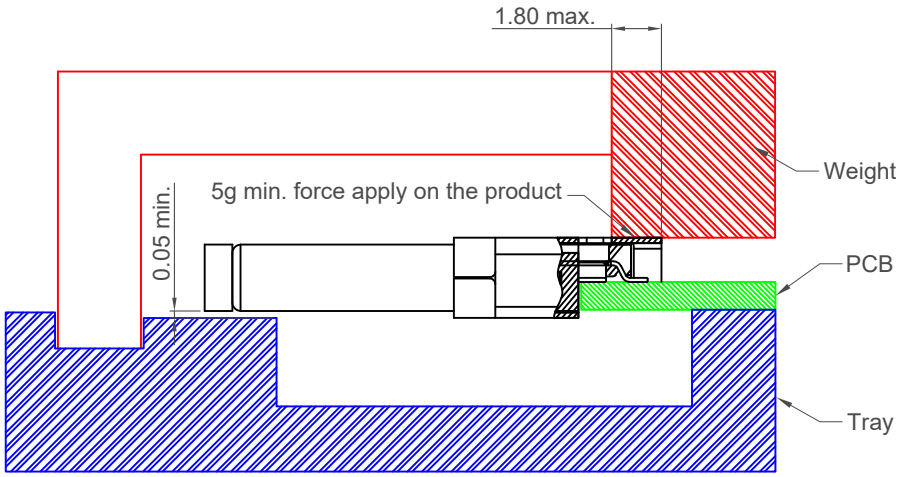
Pin	Signal	Description
B12	GND	Ground return
B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
B9	V_{BUS}	Bus Power
B8	SBU2	Sideband Use (SBU)
B7	Dn2	Positive half of the USB 2.0 differential pair - Position 2
B6	Dp2	Negative half of the USB 2.0 differential pair - Position 2
B5	CC2	Configuration Channel
B4	V_{BUS}	Bus Power
B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
B1	GND	Ground return
SHELL		GND

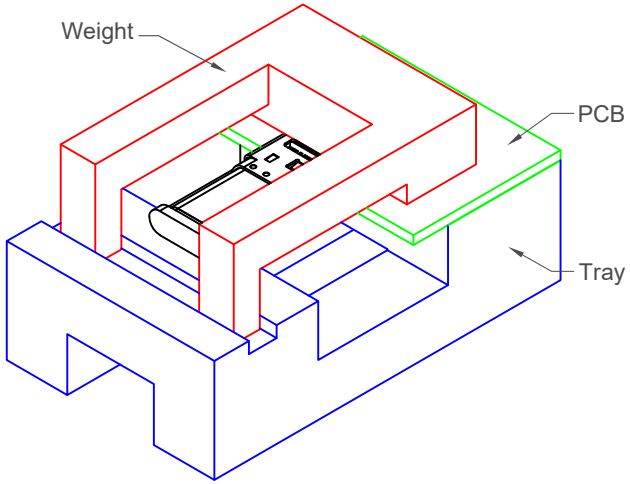
Part Number		Product Description						
USB4155		USB3.2 Gen2 Type C Plug, Horizontal, SMT						
Drawing Date								
12th April 2021								
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dec-BDE	© This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	GCT www.gct.co	
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale	Drawn By CC	Sheet No. 2/4
Revision	A1							
Date	27/05/21							





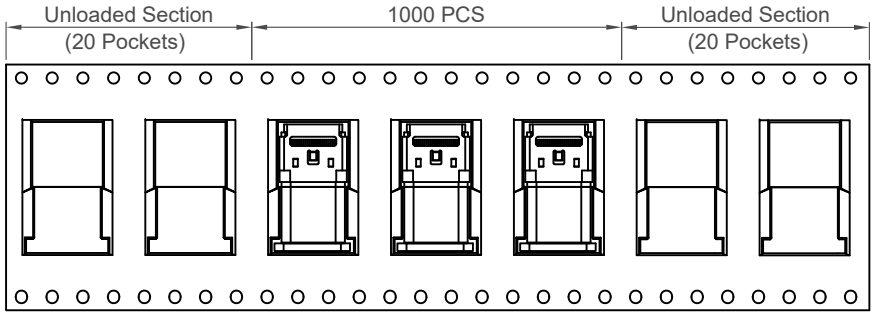
Proposal 1: Recommended Jig(Tray, Weight) be used in IR Reflow Process

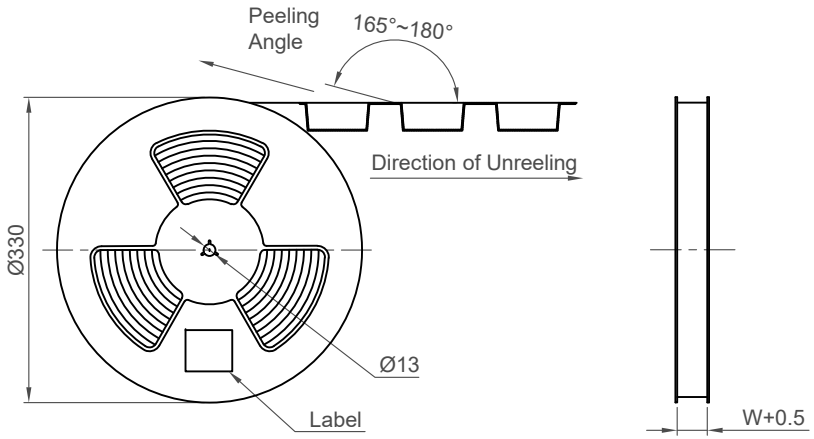


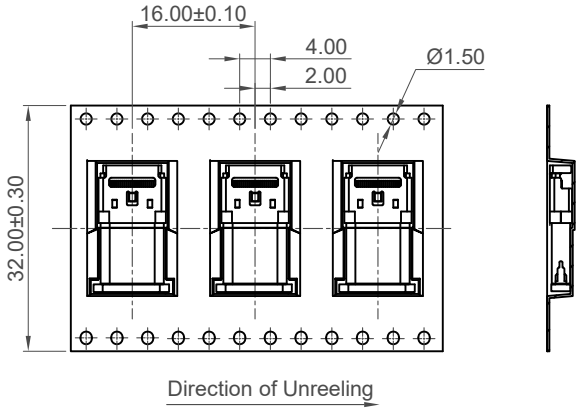


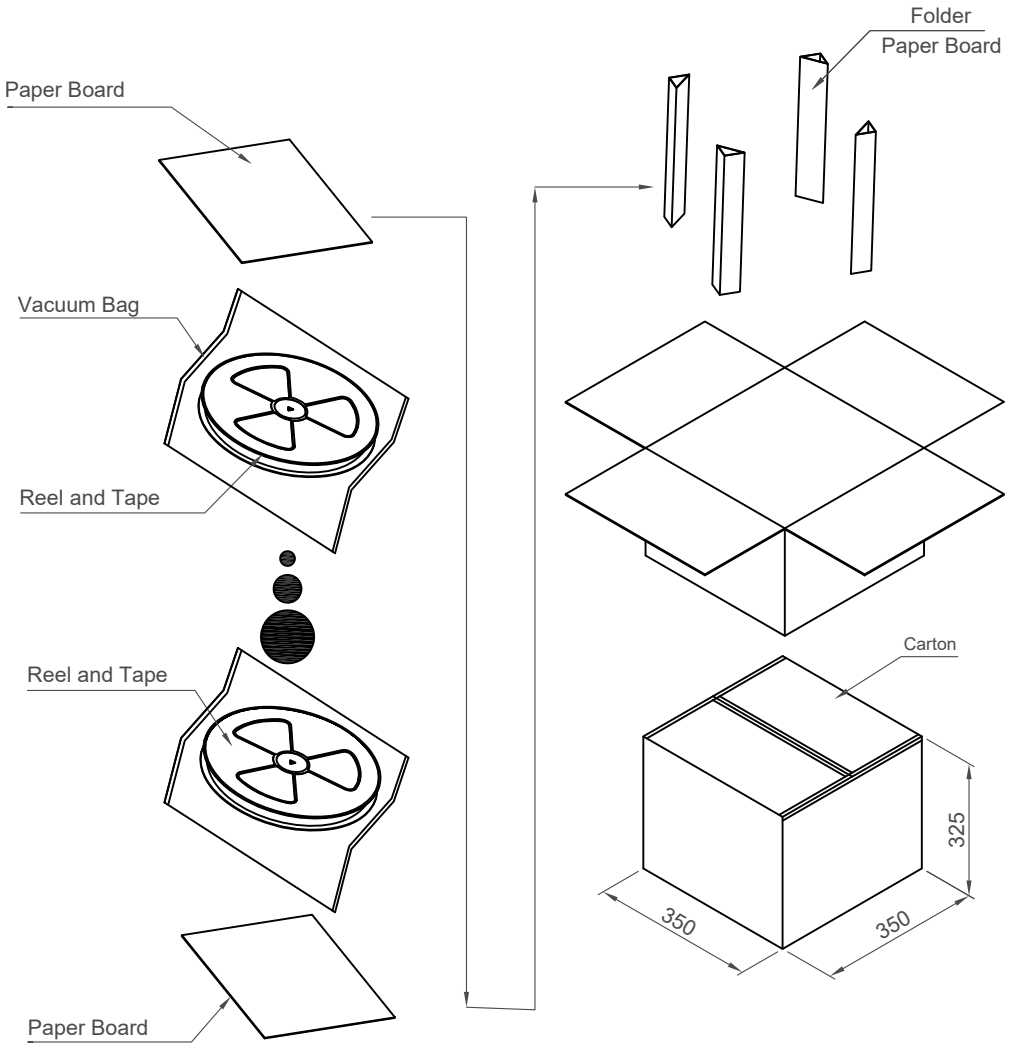
Proposal 2: Recommended Jig(Tray, Weight) be used in IR Reflow Process

Part Number		Product Description						
USB4155		USB3.2 Gen2 Type C Plug, Horizontal, SMT						
Drawing Date								
12th April 2021								
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE		GCT www.gct.co	
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale	Drawn By CC
Revision	A1							Sheet No. 3/4
Date	27/05/21							









Pcs / Reel	Reels / Carton	Total Quantity
1000	8	8,000 pcs

Part Number		Product Description					
USB4155		USB3.2 Gen2 Type C Plug, Horizontal, SMT					
Drawing Date							
12th April 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	X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	-	3rd Angle Projection			Not to Scale / Drawn By CC / Sheet No. 4/4
Revision	A1						
Date	27/05/21						

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