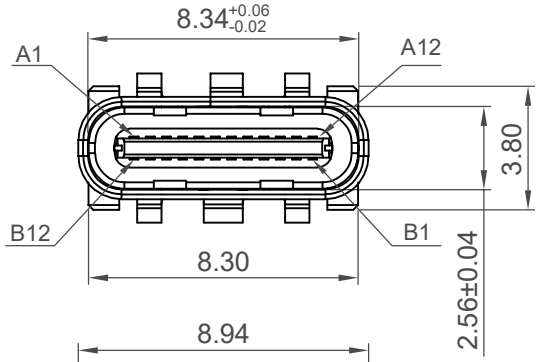
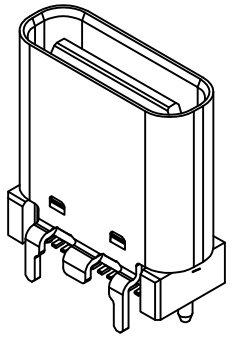
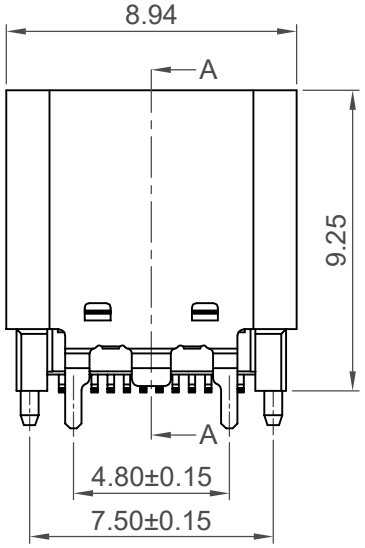
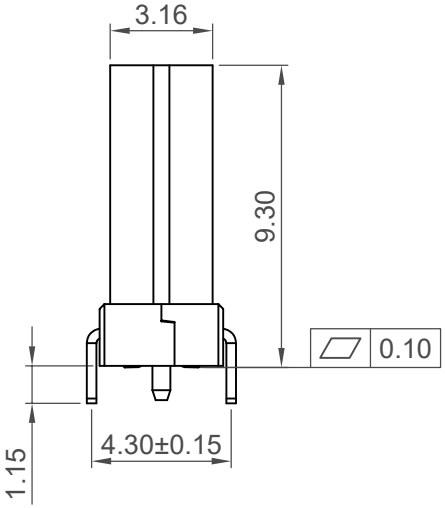
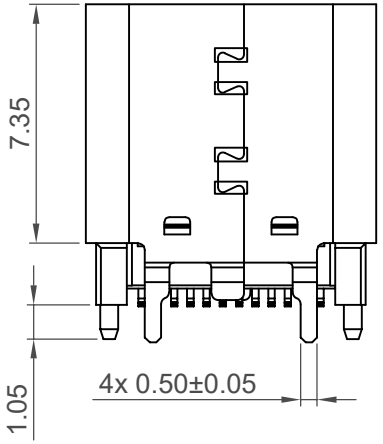
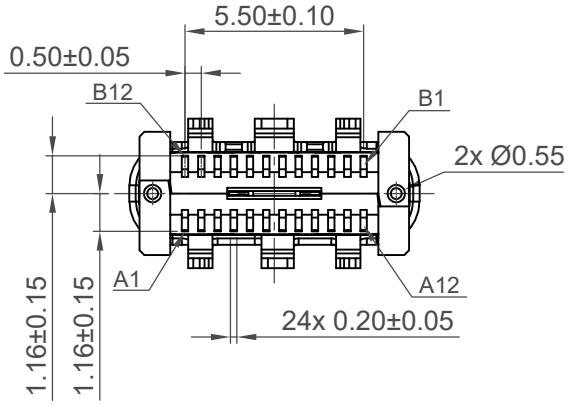


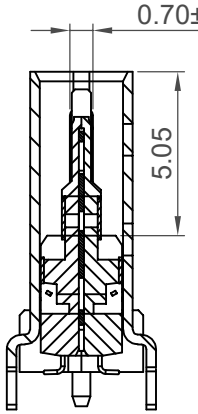












Section: A-A

Specifications

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

Plating
- Contact:
  - Contact Area: Gold
  - Solder Tails: Matte Tin
  - Underplating: 50µ" min. Nickel
- Shell: 30µ" min. Nickel
- Mid Plate: Clear
- EMI 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: 48V DC
- Power Rating: 240W
- Contact Resistance: 40mΩ max initial.
  50mΩ max after test
- Dielectric Withstanding Voltage: 100V AC
- Insulation Resistance 100MΩ min

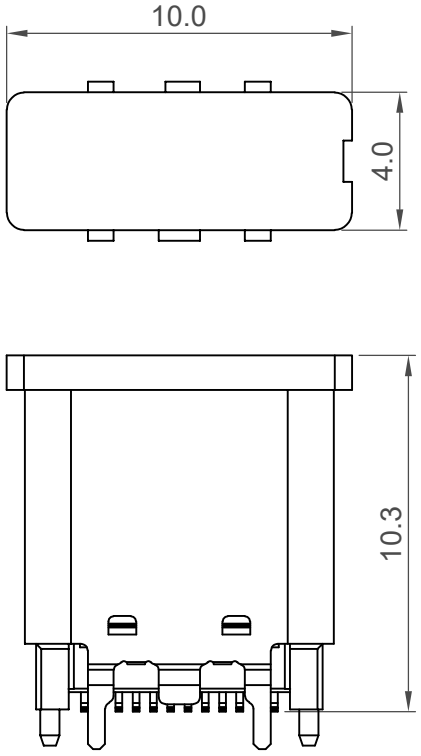
Mechanical & Environmental
- Operating Temperature: -25°C to +85°C
- Mating Force: 5 to 20 N.
- Unmated Force: 6 to 20 N after test
- Durability: 10,000 cycles

Ordering Grid

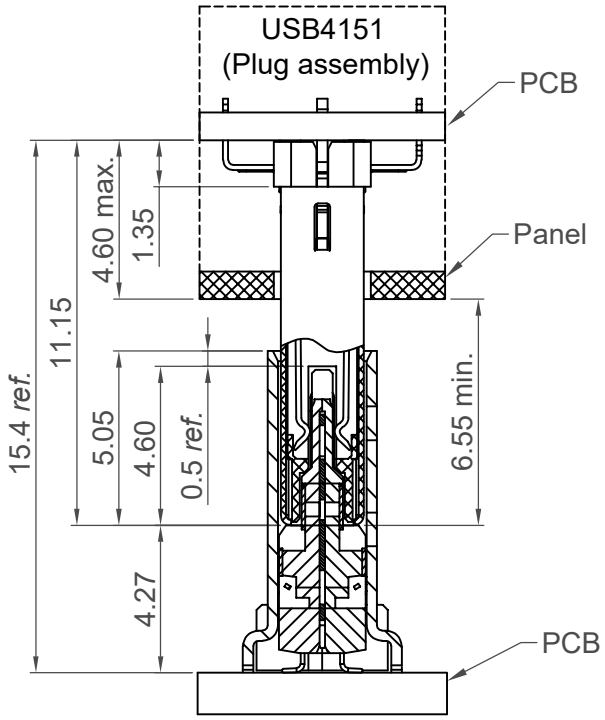
USB4950 — 00 — C Request Samples and Quotation

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

Part Number: USB4950		Product Description: USB3.2 Gen2 Type C Receptacle, Vertical, SMT, H=9.30mm					
Drawing Date: 8th December 2025							
By	CC	Tolerances (Except as Noted) Length	Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dec-IMDE	© 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	-	3rd Angle Projection			
Revision	A	X.XX ± 0.25					
Date	08/12/25	X.XXX ± 0.10					
						Not to Scale / Drawn By CC / Sheet No. 1/3	

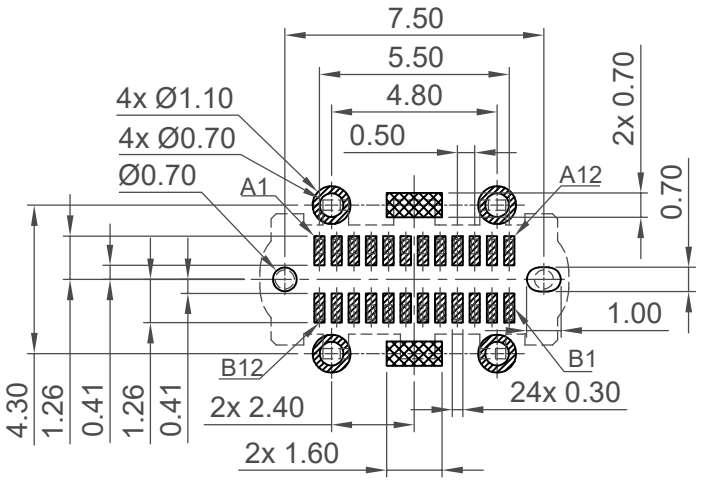


Cap Information



USB4950
(Receptacle assembly)

Plug and Receptacle Mating View



Recommended PCB Layout

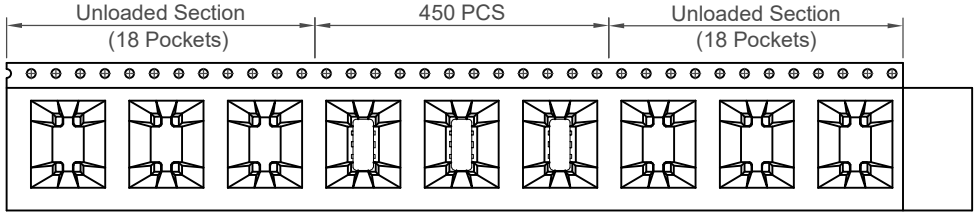
Tolerance: ±0.05mm

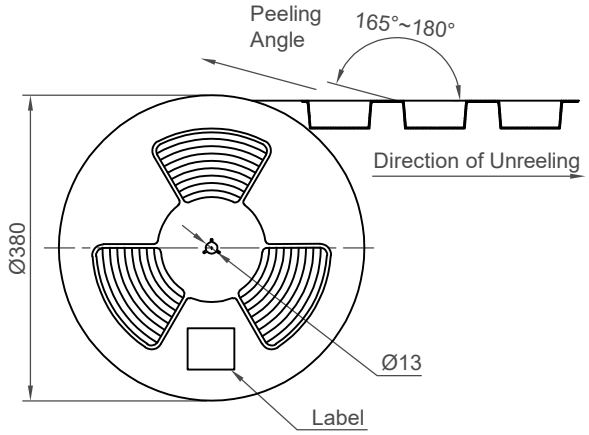
Solder Area | Keep Out Area | Component Outline

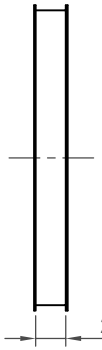
Pin	Signal	Mating Sequence
A1	GND	First
A2	SSTXp1	Second
A3	SSTXn1	Second
A4	V_{BUS}	First
A5	CC1	Second
A6	Dp1	Second
A7	Dn1	Second
A8	SBU1	Second
A9	V_{BUS}	First
A10	SSRXn2	Second
A11	SSRXp2	Second
A12	GND	First
SHELL		GND

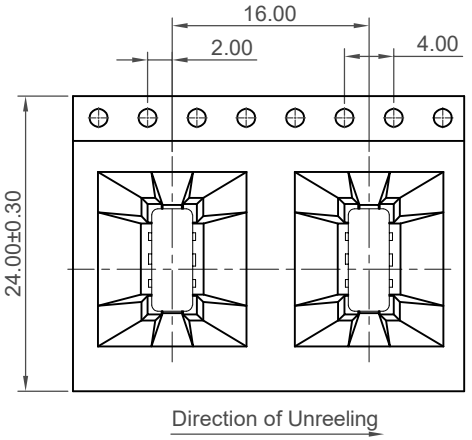
Pin	Signal	Mating Sequence
B12	GND	First
B11	SSRXp1	Second
B10	SSRXn1	Second
B9	V_{BUS}	First
B8	SBU2	Second
B7	Dn2	Second
B6	Dp2	Second
B5	CC2	Second
B4	V_{BUS}	First
B3	SSTXn2	Second
B2	SSTXp2	Second
B1	GND	First
SHELL		GND

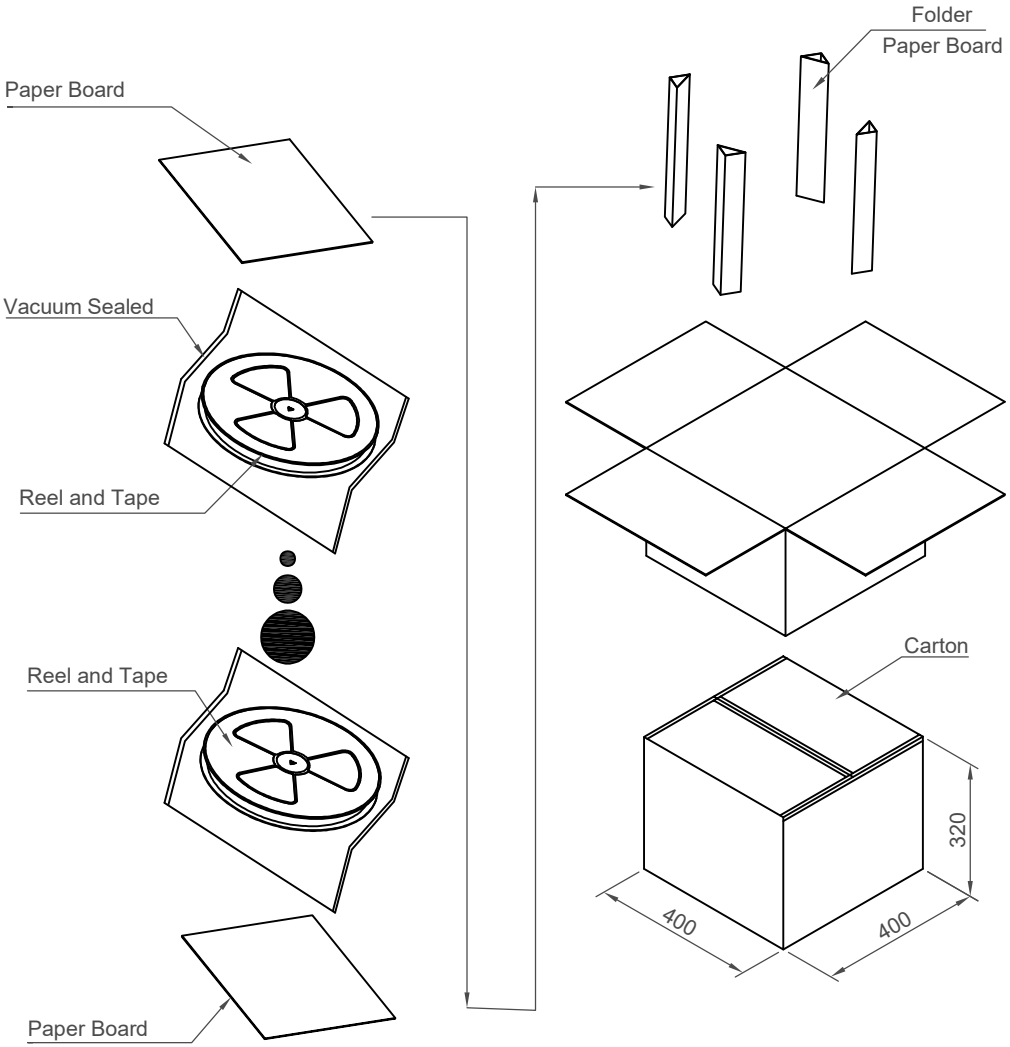
Part Number: USB4950		Product Description: USB3.2 Gen2 Type C Receptacle, Vertical, SMT, H=9.30mm				GCT www.gct.co	
Drawing Date: 8th December 2025							
By: CC		Tolerances (Except as Noted) Length / Angle	Units: Metric (mm)	RoHS COMPLIANT 2011/65/EU Dece-BDE	© This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE	Not to Scale	Drawn By CC / Sheet No. 2/3
Detail: Drawing Release		X.X ± 0.30 / X.XX ± 0.25 / X.XXX ± 0.10	3rd Angle Projection				
Revision: A		-					
Date: 08/12/25							











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

Part Number: USB4950		Product Description: USB3.2 Gen2 Type C Receptacle, Vertical, SMT, H=9.30mm					
Drawing Date: 8th December 2025							
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	-	3rd Angle Projection			
Revision	A	X.XX ± 0.25					
Date	08/12/25	X.XXX ± 0.10					
							Not to Scale / Drawn By CC / Sheet No. 3/3