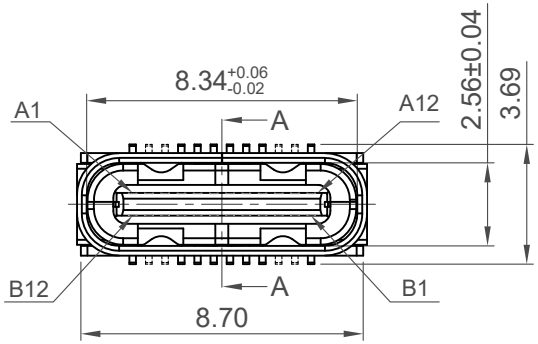
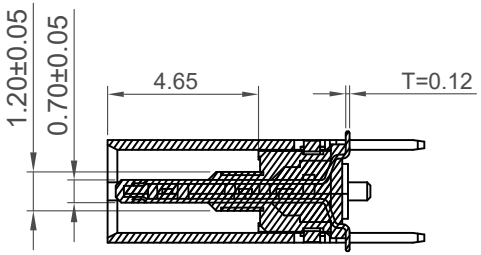
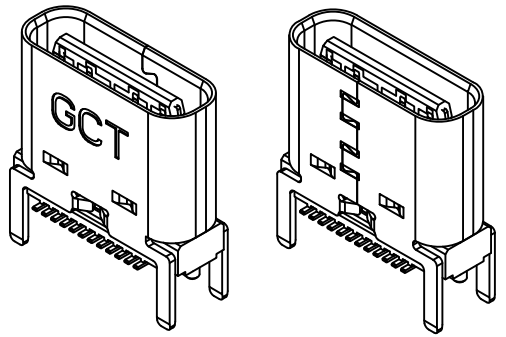
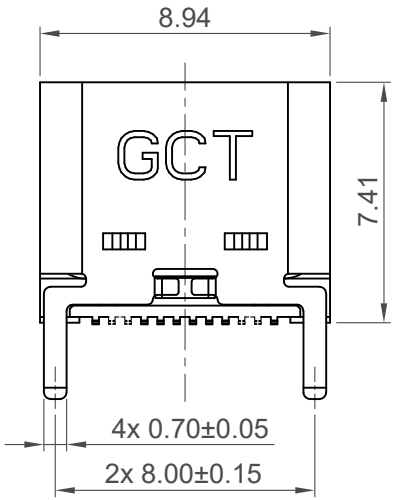
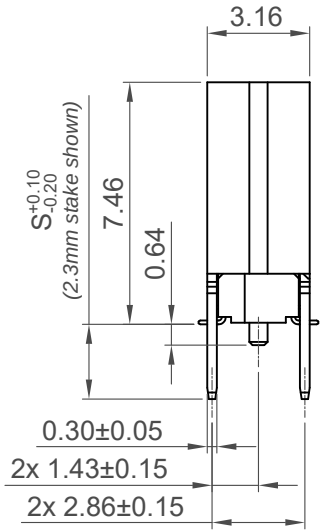


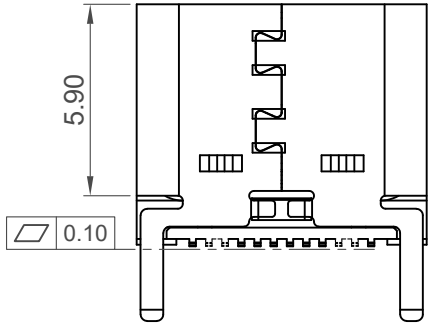


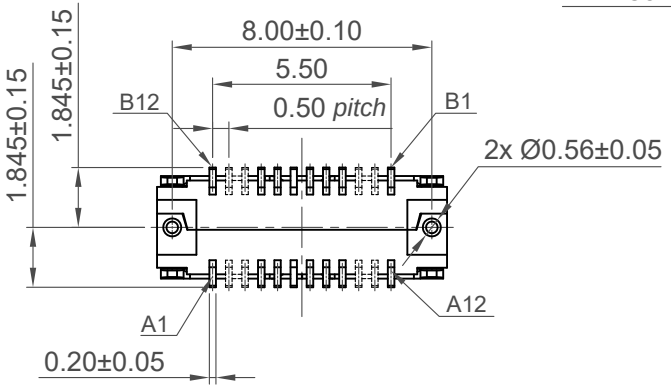
Section: A-A











Ordering Grid

USB4160 — 03 — XXXX — C — Request Samples and Quotation

Contact Plating
03 = 3u" Gold

Shell Stake Length "S"
0070 = 0.70mm
0170 = 1.70mm
0230 = 2.30mm

Packing Options
C = Tape & Reel with Cap

Specifications

Material
Insulator: PA9T, UL 94V-0, Black
Contact: Copper Alloy
Mid Plate: Stainless Steel
EMI Plate: Stainless Steel
Shell: Stainless Steel

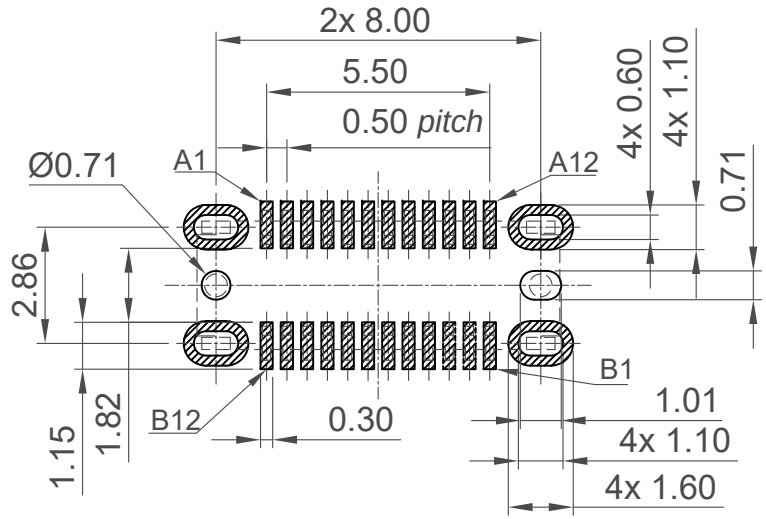
Plating
Contact
Contact Area: 3u" Au over 50µ" min. Nickel
Solder Tails: Gold Flash over 50µ" min. Nickel
Shell: 30µ" min. Nickel
Mid Plate: Clear
EMI Plate: Clear

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: 20K cycles

Part Number		Product Description						
USB4160		USB3.2 Gen2, Type C Receptacle, Vertical, SMT, H=7.46mm, 24 Pin						
Drawing Date								
28th June 2022								
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	-	3rd Angle Projection			Not to Scale	Drawn By CC
Revision	A2	X.XX ± 0.20						Sheet No. 1/4
Date	31/01/23	X.XXX ± 0.10						

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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	VBUS	First
A5	CC1	Second
A6	Dp1	Second
A7	Dn1	Second
A8	SBU1	Second
A9	VBUS	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	VBUS	First
B8	SBU2	Second
B7	Dn2	Second
B6	Dp2	Second
B5	CC2	Second
B4	VBUS	First
B3	SSTXn2	Second
B2	SSTXp2	Second
B1	GND	First
SHELL		GND

Part Number	Product Description
USB4160	USB3.2 Gen2, Type C Receptacle, Vertical, SMT, H=7.46mm, 24 Pin
Drawing Date	
28th June 2022	

By	CC
Detail	Drawing Release
Revision	A2
Date	31/01/23

Tolerances (Except as Noted): Length X.X ± 0.30, X.XX ± 0.20, X.XXX ± 0.10; Angle -

Units: Metric (mm)

3rd Angle Projection

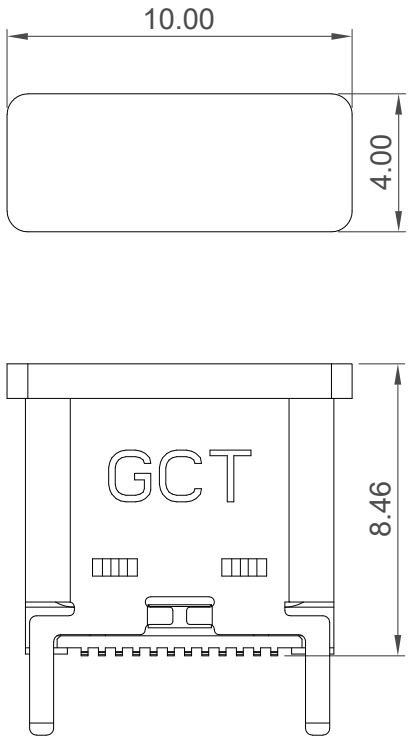
RoHS COMPLIANT 2011/65/EU Dec-2DE

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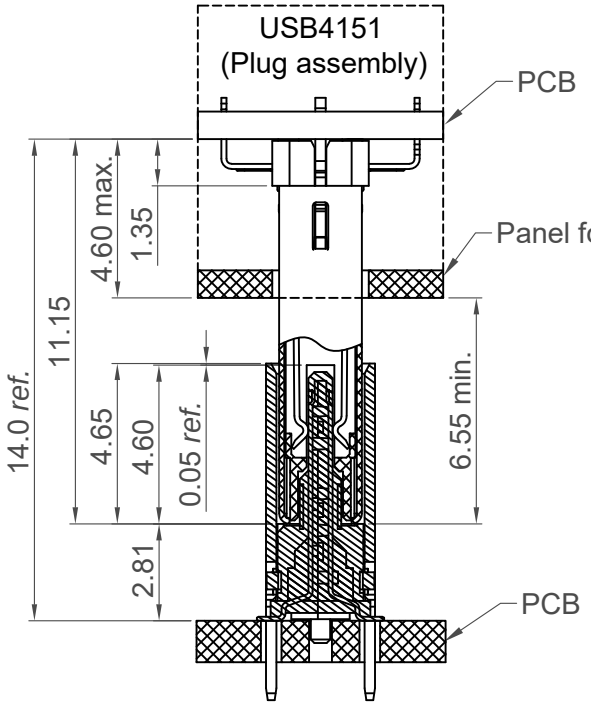
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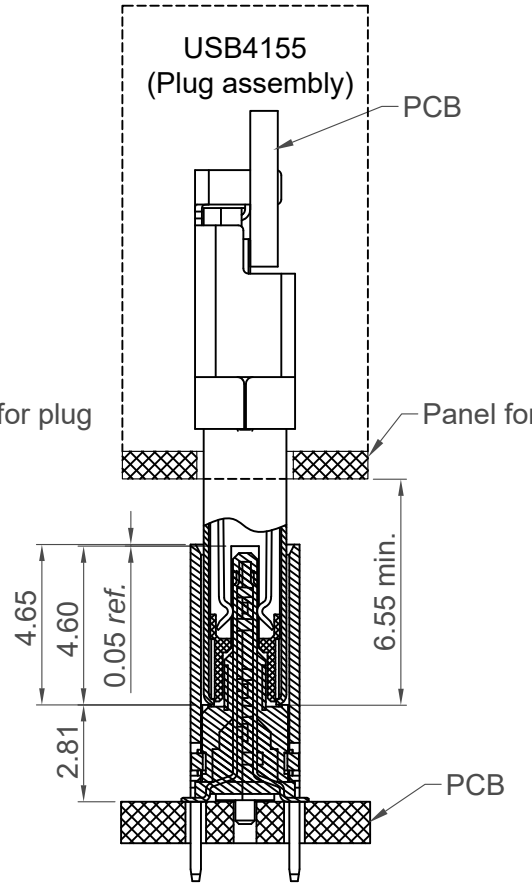
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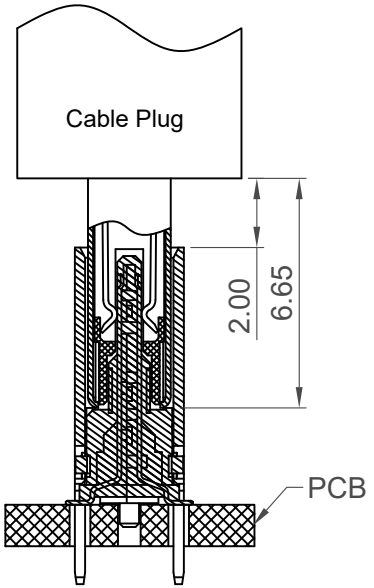
Cap Information



USB4160
(Receptacle assembly)



USB4160
(Receptacle assembly)

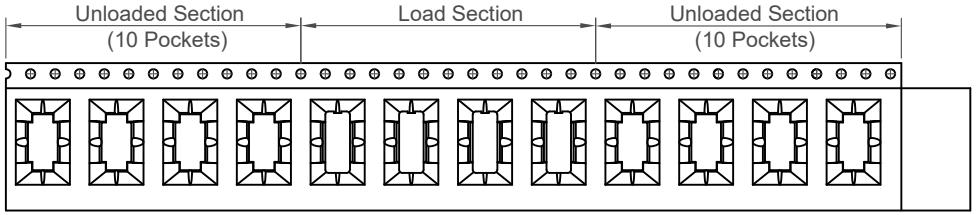


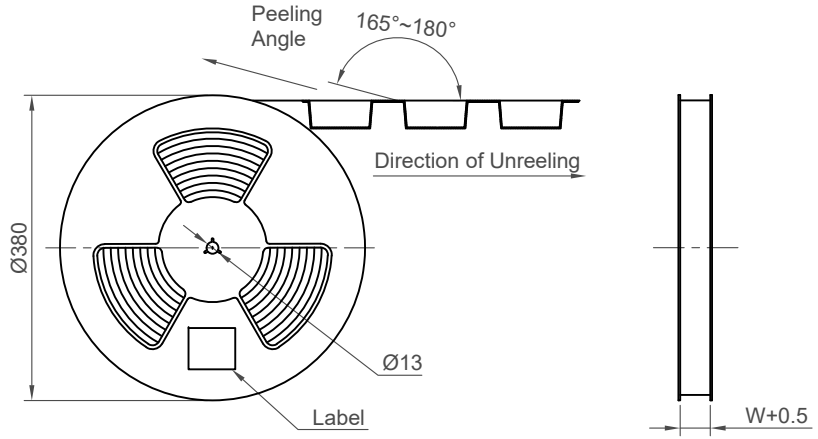
USB4160
(Receptacle assembly)

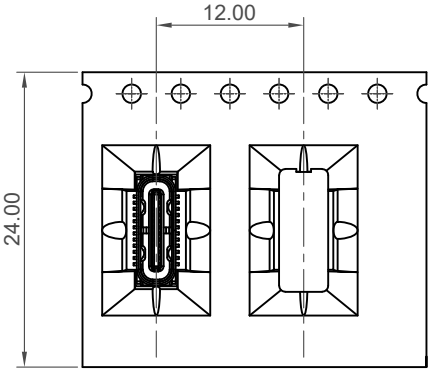
Plug and Receptacle Mating View

Part Number		Product Description						
USB4160		USB3.2 Gen2, Type C Receptacle, Vertical, SMT, H=7.46mm, 24 Pin						
Drawing Date								
28th June 2022								
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	-	3rd Angle Projection			Not to Scale	Drawn By CC
Revision	A2	X.XX ± 0.20						Sheet No. 3/4
Date	31/01/23	X.XXX ± 0.10						

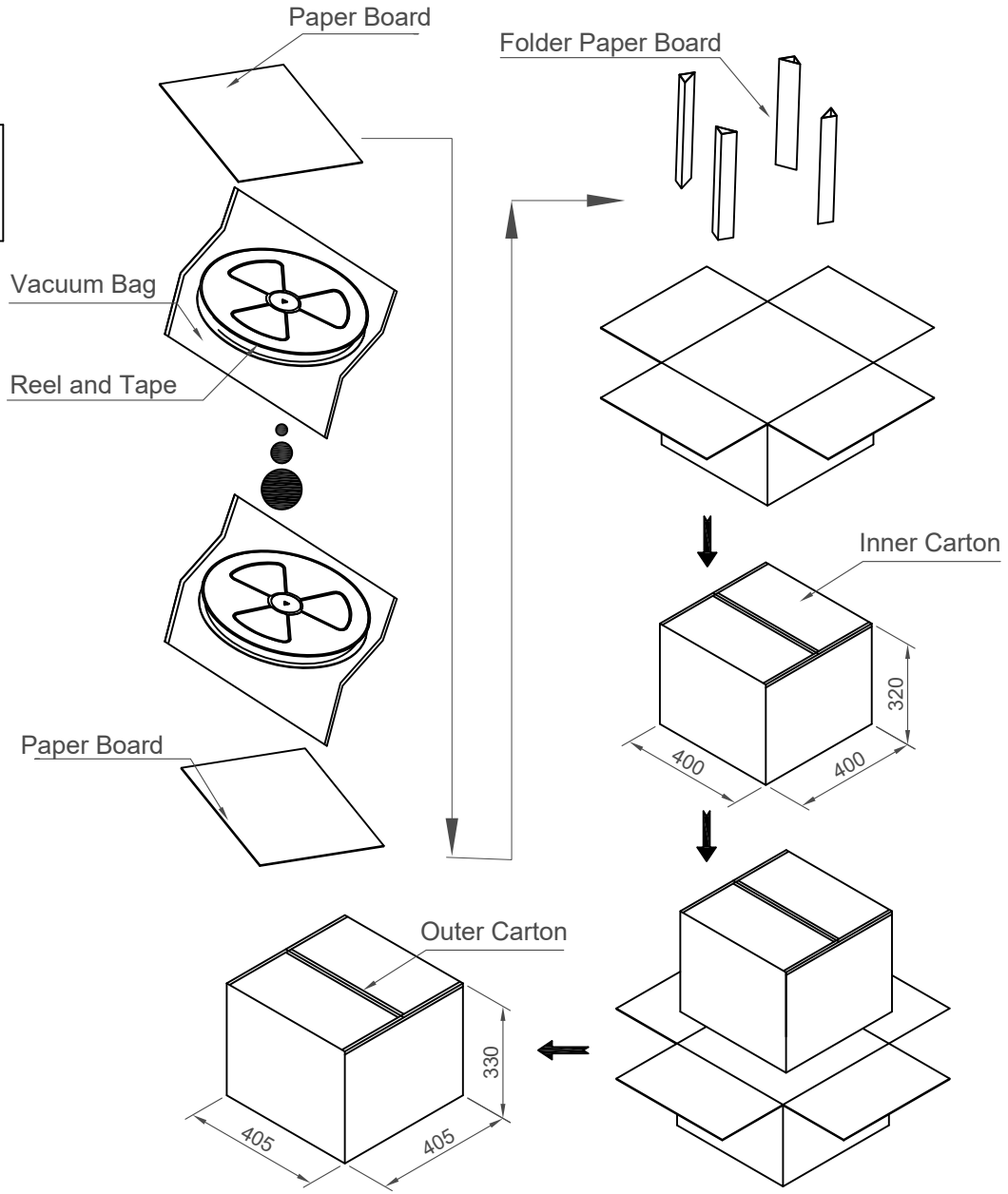
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Direction of Unreeling



Part Number	Pcs / Reel	Reels / Carton	Total Quantity
USB4160-03-0070-C	700	10	7,000 pcs
USB4160-03-0170-C	600	10	6,000 pcs
USB4160-03-0230-C	600	10	6,000 pcs

Part Number: USB4160			Product Description: USB3.2 Gen2, Type C Receptacle, Vertical, SMT, H=7.46mm, 24 Pin		
Drawing Date: 28th June 2022					
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
Detail	Drawing Release	X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10 / -	3rd Angle Projection		
Revision	A2				
Date	31/01/23				

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