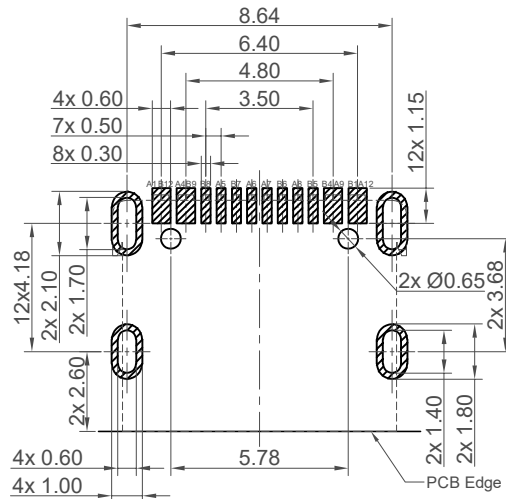
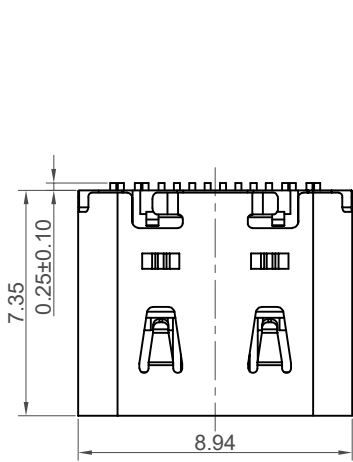
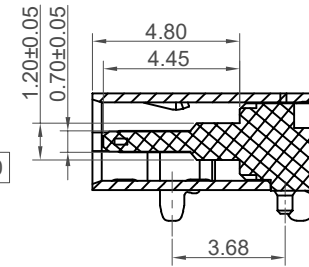
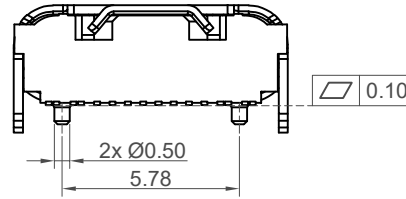
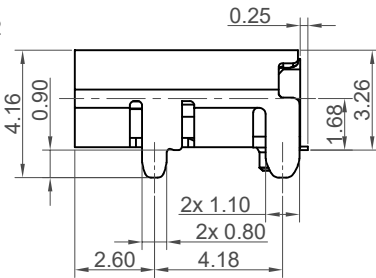
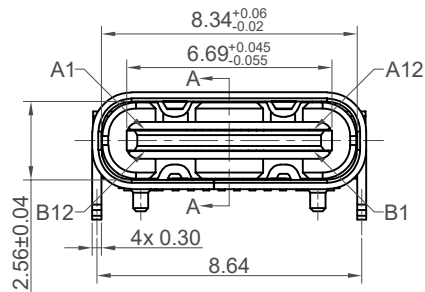




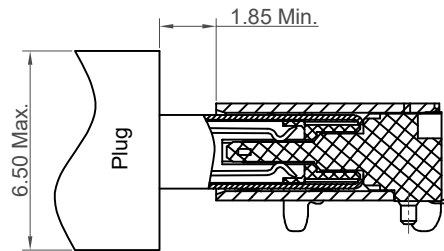
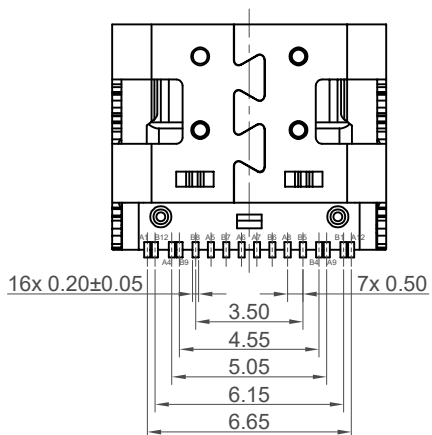
Recommended PCB Layout

As viewed from component side Tolerance: ±0.05mm

■ Solder Area □ Component Outline

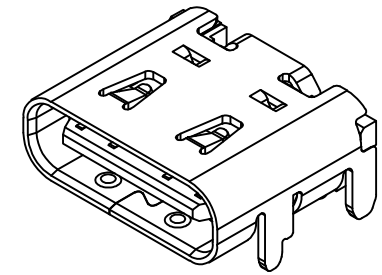


Section: A-A



Plug and Receptacle Mating View

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{bus}	First	B9	V _{bus}	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	V _{bus}	First	B4	V _{bus}	First
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	



Specifications

Material

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

Plating

Contact:

Contact Area: Gold Flash
Solder Tails: Gold Flash
Underplating: 50µ" min. Nickel All Over
Shell: 30µ" min. Nickel
Mid Plate: Clear

Electrical

Current Rating: 5.00A collectively for V_{bus} 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 Withstand Voltage: 100V AC
Insulation Resistance 100MΩ min.

Mechanical & Environmental

Operating Temperature: -40°C to +85°C

Mating Force: 5 to 20 N.

Unmated Force: 6 to 20 N after test

Durability: 20,000 cycles

Ordering Grid

USB4106 - GF - A

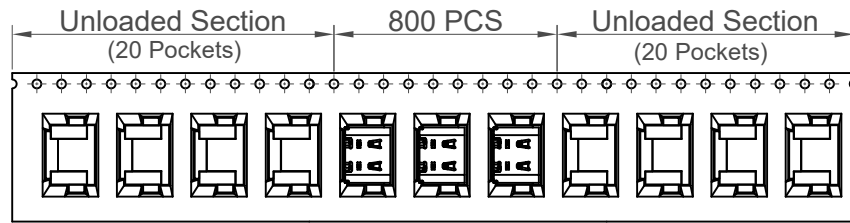
Contact Plating
GF = Gold Flash

Packing Options
A = Tape & Reel

Request Samples and Quotation

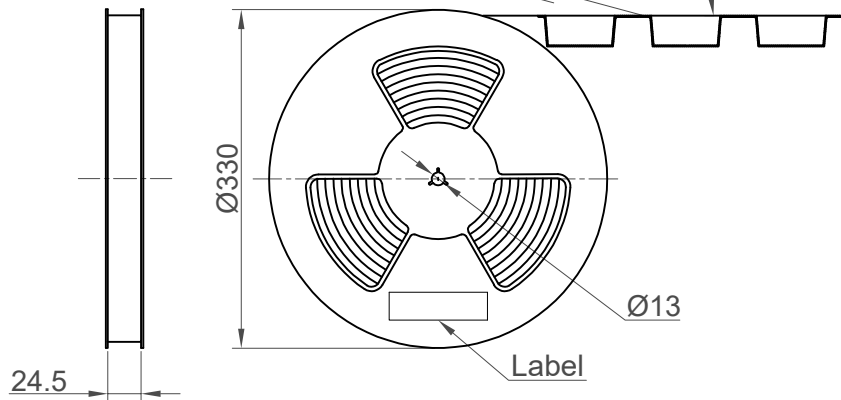
USB-IF TID NO.:15608
IEC 62680-1-3:2022

Part Number USB4106		Product Description USB2.0 Type C Receptacle, SMT, Horizontal, PCB Top Mount	
Drawing Date 12th February 2026			
By Detail	MW Drawing Release	Tolerances (Except as Noted) Length X.X ± 0.30 X.XX ± 0.25 X.XXX ± 0.10	Units: Metric (mm)
Revision Date	A 19/05/26	-	3rd Angle Projection
		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 MW	Sheet No. 1/2

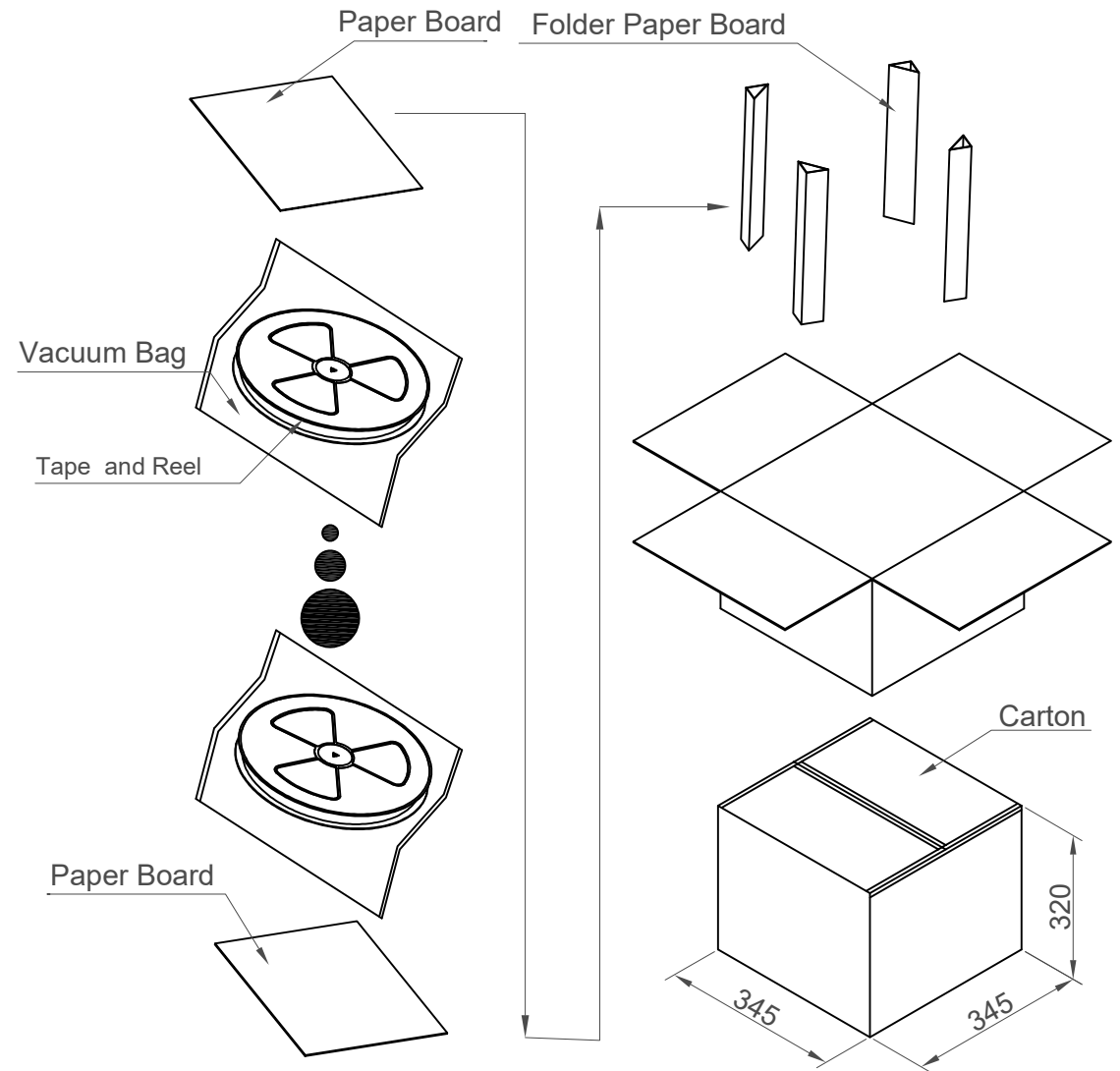
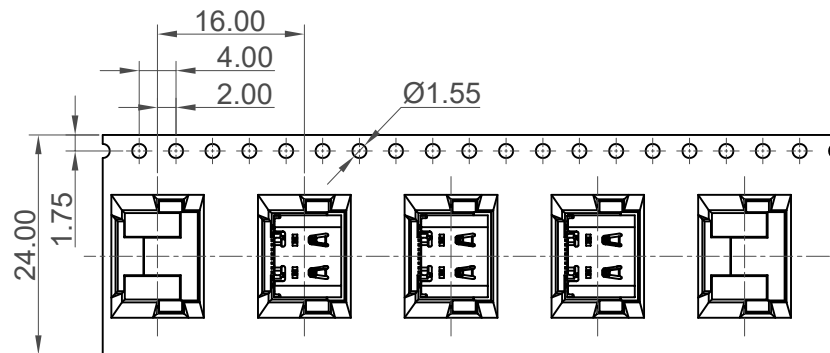


Direction of Unreeling →

Peeling Angle 165°~180°



Direction of Unreeling →



Pcs / Reel	Reels / Carton	Total Quantity
800	10	8,000 pcs

Part Number USB4106		Product Description USB2.0 Type C Receptacle , SMT, Horizontal, PCB Top Mount	
Drawing Date 12th February 2026			
By MW	Tolerances (Except as Noted) Length	Units: Metric (mm)	
Detail Drawing Release	Angle		
Revision A	-	-	
Date 19/05/26		3rd Angle Projection	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

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MW
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2/2