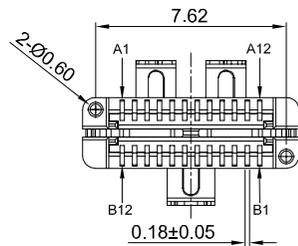
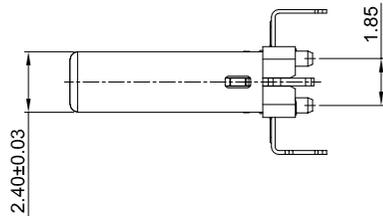
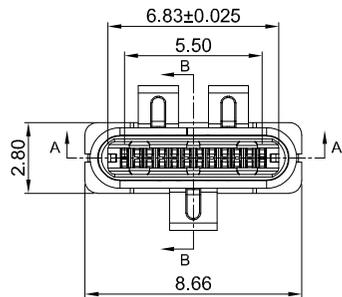
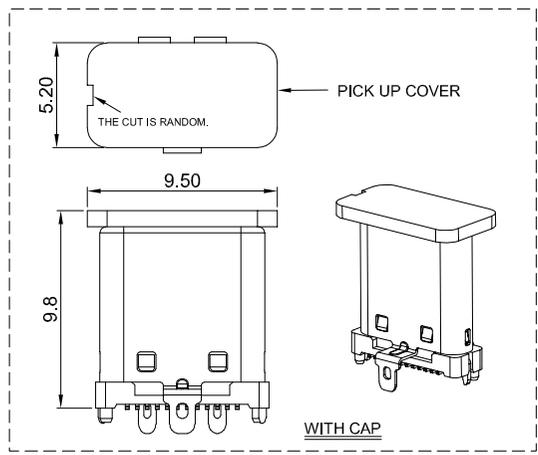
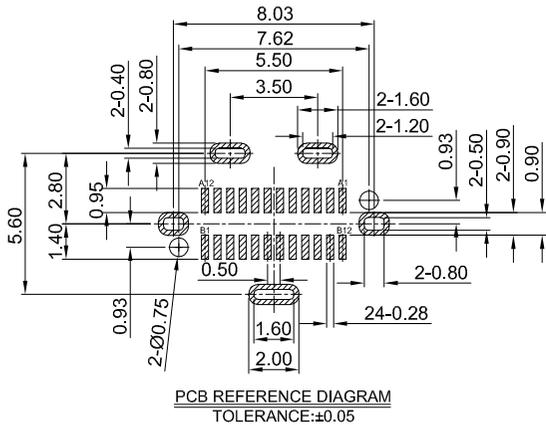
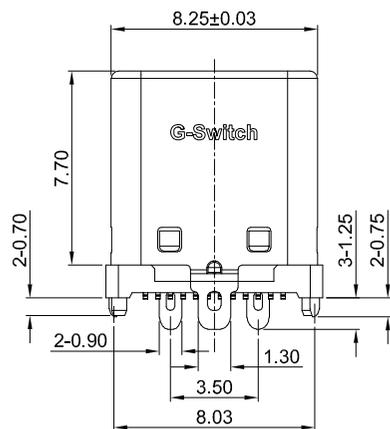


SECTION A-A

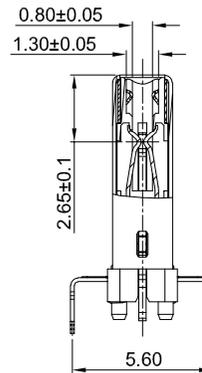


G-Switch USB-C Specification:

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N
9. Durability cycle: 10,000 cycles
10. Data transmission rate up to 5Gbps



PCB REFERENCE DIAGRAM
TOLERANCE: ±0.05



SECTION B-B

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	VBUS	SBU1	D-	D+	CC1	VBUS	TX1-	TX1+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
GND	TX2+	TX2-	VBUS	VCONN			SBU2	VBUS	RX1-	RX1+	GND
First	Second	Second	First	Second			Second	First	Second	Second	First

5	EMC SPRING	STAINLESS STEEL 304	CLEAR
4	TERMINALS	COPPER ALLOY C7025	Au1u" PLATING ON CONTACT AREA Tin30u" PLATING ON SOLDER AREA
3	LATCH	STAINLESS STEEL 301	NI30u" MIN PLATED
2	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
1	SHELL	STAINLESS STEEL 304	NI30u" MIN PLATED
NO.	NAME	DESCRIPTION	REMARKS



SCALE: 1:1	UNIT: mm	Title: Vertical Type-C 24P Plug SMT H=9.0mm			
SIZE: A4		Molde Code: GT-USB-9818A			
Unless otherwise General Tolerance:		DRAWN	CHECKED	APPROVED	DATE
X.	±0.40	Wu	Xla	Chen	2025.01.27
X.x	±0.30				
X.xx	±0.20				
X.xxx	±0.10				
X*	±5°				

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b-Switch
 www.dg-switch.com

REV: A0 SHEET: 1/1