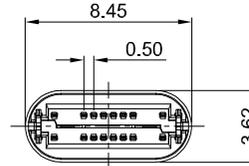
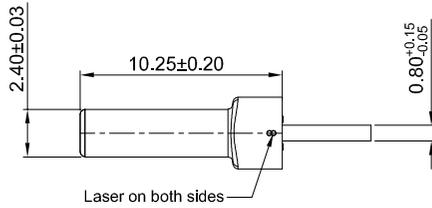
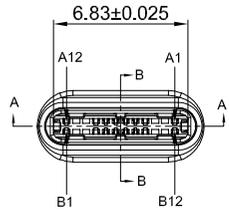
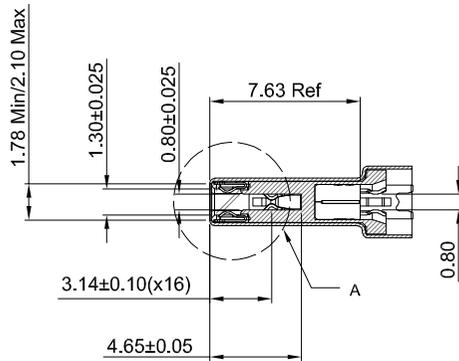
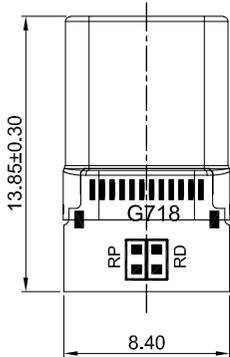


CIRCUIT DIAGRAM

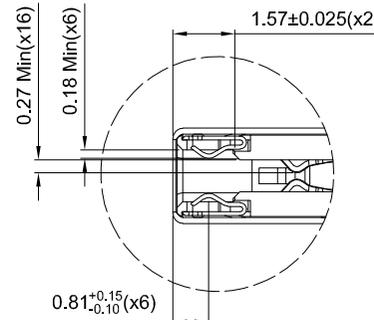


**G-Switch USB-C Specification:**

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other  
Voltage rating: 24V AC
2. Withstanding voltage: 250V AC/minute
3. Contact resistance: 40mΩ Max
4. Insulation resistance: 100MQ Min
5. Operating temperature: -40°C ~ +85°C
6. Mating force: 5N~20N
7. Unmating force: 8N~20N, after durability test: 6N~20N
8. Durability cycle: 10,000 cycles



SECTION B-B



DETAIL A

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

NO.	NAME	DESCRIPTION	REMARKS	MOLDE CODE	DESCRIPTION
7	CLIP	SUS301	—		
6	SHRAPNEL	SUS301	—	GT-USB-8028A01-01	2.0C-G718-RP RP:0402 56K G/F
5	SHELL	SUS316	Ni40u*MIN PLATED	GT-USB-8028A02-01	2.0C-G718-RD RD:0402 5.1K G/F
4	TERMINAL	C7025	G/F PLATED ON CONTACT AREA Tin PLATED ON SOLDER AREA		
3	LATCH	SUS301	—		
2	HOUSING	LCP	BLACK UL 94V-0		
1	HOUSING STOPPER	LCP	BLACK UL 94V-0		



SCALE: 4:1 UNIT: mm  
SIZE: A4

Unless otherwise  
General Tolerance:  
X. ±0.40  
X.x ±0.30  
X.xx ±0.20  
X.xxx ±0.10  
X\* ±5°

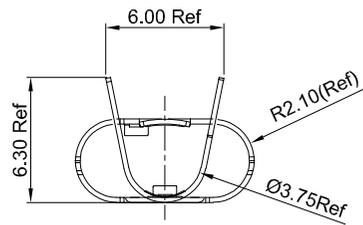
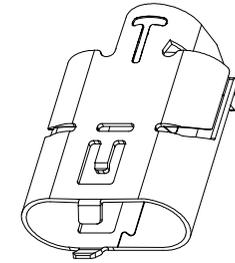
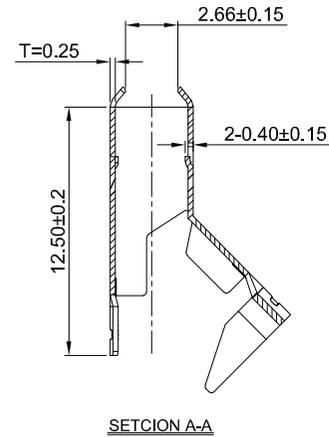
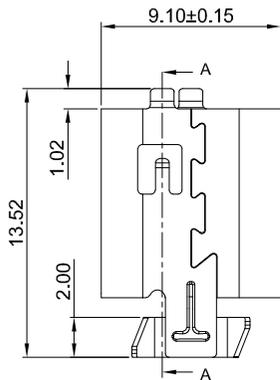
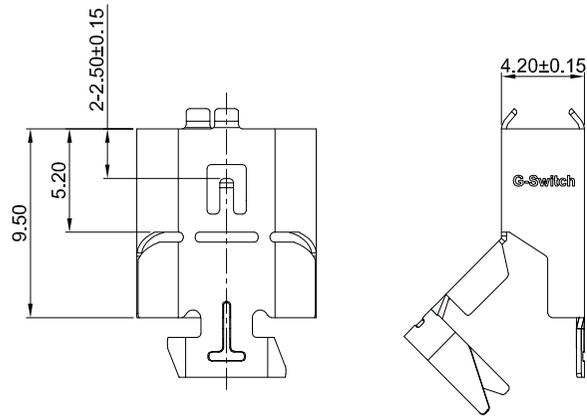
Title: Splint Type-C 16P Plug L=10.25mm

Molde Code: GT-USB-8028AXX-01

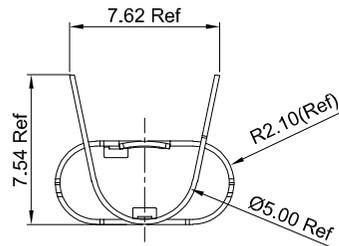
DRAWN	CHECKED	APPROVED	DATE
Xla	Chen	Chen	2025.03.10



REV: A0 SHEET: 1/1



**GT-USB-8028-S1**  
The size specification of the adapter cable OD3.5



**GT-USB-8028-S2**  
The size specification of the adapter cable OD4.5

**G-Switch USB-C Specification:**

1. Material: sus304, T=0.25±0.02
2. It fits well with the plug
3. Allowable burr size is 0.03mm max
4. The product is not allowed to have scratches, mold marks, indentations, etc

SCALE: 4:1	UNIT: mm	Title: Splint Type-C 16P Plug L=13.52mm			
SIZE: A4		Molde Code: GT-USB-8028AXX-S			
Unless otherwise General Tolerance:		DRAWN	CHECKED	APPROVED	DATE
X.	±0.20	Xla	Chen	Chen	2025.03.10
X.x	±0.15				
X.xx	±0.13				
X*	±2°				



NO.	NAME	DESCRIPTION	REMARKS
1	SHELL	SUS304	NI40u"MIN PLATED

