



NOTE:

1. ELECTRICAL CHARACTERISTICS:

1.1 CONTACT RESISTANCE:

40mΩ Max FOR VBUS ,GNA AND OTHER CONTACTS
50mΩ CHANGE AFTER ENVIRONMENT TEST

1.2 CONTACT CURRENT RATING:

COLLECTIVELY VBUS PIN (A4,A9,B4,B9) , TOTAL 5A
VCCON PIN (B5) THROUGH GND PIN(A1,A12,B1,B12), 1.25A
OTHERS PIN, 0.25A

1.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC (R.M.S).

1.4 INSULATION RESISTANCE 100MΩ Min.

2. MECHANICAL CHARACTERISTICS:

2.1 MATING FORCE: 5~20 N.

2.2 UNMATED FORCE: INITIAL 8~20N; 6~20N AFTER 10000 CYCLES

2.3 OPERATING TEMPERATURE: -40°C ~ 120°C

2.4 DURABILITY: 10,000 CYCLES

3. DIMENSIONS ARE IN MILLIMETERS

4. RECOMMENDED PROCESS: IR REFLOW 260°C , 5 ~ 10 SECONDS.

5. THE CONNECTOR IS ROHS/HALOGEN COMPLIANT.

6. THE PACKAGE IS TAPE & REEL

7. THE PART CONFORMS TO USB TYPE C SPEC UNLESS SPECIFIED

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
08	COVER	LCP	1	Black, UL94 V-0							
07	UNDER SHELL	SUS304	1	T=0.25, Solder area Plating Au 1U"							
06	OUTER SHELL	SUS304	1	T=0.25, Solder area Plating Au 1U"							
05	INNER SHELL	SUS304	1	T=0.30, Plating nickel							
04	MOLDING	LCP	1	Black, UL94 V-0							
03	SHIELDING PLATE	SUS301	1	T=0.15, Plating nickel							
02	BOTTOM CONTACT	Copper alloy	12	T=0.12, Au 30u", Plated at contact area, 1U" MIN plated at solder area.							
01	TOP CONTACT	Copper alloy	12	T=0.12 Au 30u", Plated at contact area, 1U" MIN plated at solder area.							
NO.	VARIETY	MATERIAL	QTY	REMARK							



G-Switch Electronic (HongKong) CO.,Ltd.

Unless otherwise specified, Tolerance:
X. ±0.30
X.x ±0.20
X.xx ±0.15
X.xxx ±0.10
Angles ±3°

DESIGN LI Qingqi	DATE 2022.04.22	Molde code:	
CHECKED	DATE	GT-USB-7091A	
APPROVED	DATE	REV.: X1	SCALE: 4:1
http://www.dg-switch.com		UNIT: mm	
TEL:0769-82388879		SIZE: A4	SHEET: 1/1