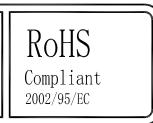


Recommended P.C.B Layout
Tolerance ±0.05



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

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

DESIGN Li Qingqi	DATE 2022.04.07	Molde code:	
CHECKED	DATE	GT-USB-8013A	
APPROVED	DATE		
http://www.dg-switch.com		REV.: X1	SCALE: 4:1
TEL:0769-82388879		UNIT: mm	
		SIZE: A4	SHEET: 1/1



- Material:
 Contacts: Copper alloy T=0.15
 Insulator: HIGH TEMPERATURE PLASTIC UL 94V-0,
 Shell: STEEL T=0.15
- Electrical:
 Current-max[amps]: 5A Max For Vbus/GND PIN;
 0.9A Max For Other PIN.
 Withstanding Voltage: 100V AC R.M.S
 Contact Resistance [ohms]: 40mΩ Max.For
 Initial 10mΩ.Change After
 Test.Measure AT 20mV,100mA
 Insulation Resistance [ohms]: 100 mΩ min.
- MECHANICAL CHARACTERISTICS:
 Matng force: 5~20N
 Unmated Force: 6~20N After test.
 Durability: 10000 cycles min.
- Plating:
 Contacts: SEE TABLE Au plated on contact area,
 Bright Tin plating 80-100μMin on solder area
 Nickel Under plating 20μMin over all
 Shell : plating 20~50μNickel over CU
- Environmental
 Temperature Range: -40°C~+85°C

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	V _{BUS}	SBU1	D-	D+	CC	V _{BUS}	TX1-	TX1+	GND
GND	TX2+	TX2-	V _{BUS}	Vconn	D+	D-	SBU2	V _{BUS}	RX1-	RX1+	GND
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12