



Note:

1. Material:
 - 1-1. Housing: Thormplastic, UL94-V0; Colour: Black.
 - 1-2. Terminal: Copper alloy, Contact: See table A.
 - 1-3. Shell & Solder : SUS, Plating: Ni.
2. Electrical Characteristics:
 - 2-1. Rating: GND: 5A, VBUS Total: 5A;
 - 2-2. Contact resistance: 40mΩ Max.; After test add 10 mΩ Max.
 - 2-3. Electric Strength test: 500VAC, 0.1S, 0.5mA;
 - 2-4. Insulation test: 500VDC, 0.1S, 100MΩ;
3. Mechanical properties:
 - 3-1. Mating force: 5~20N;
 - 3-2. Unmating force: 8~20N(Initial), 6~20N(After Durability);
 - 3-3. Testing Speed: 200±50 Times/H, Test: 10000 times;
4. Environmental Characteristics: Oper. Temp.: -55°C ~ +85°C;
5. Waterproof Rate: IPX6
6. Restriction of Hazardous Substances: Components be RoHS and HF compliant.

PIN DEFINE:

Pin	Signal Name	Description	Mating Sequence	Pin	Signal Name	Description	Mating Sequence	10	GLUE	MT785	WHITE
A1	GND	Ground return	First	A12	GND	Ground return	First	9	Silicone rubber	RBB	RED
A2	VBUS	Bus Power	First	B9	VBUS	Bus Power	First	8	Silicone rubber	RBB	BLACK
A5	CA1	Configuration Channel	Second	B8	SBU2	Sideband Use(SBU)	Second	7	Outer-shell	SUS304	UnderplatedNi 30u*Min.
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	Second	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2	Second	6	Inner-shell	SUS304	UnderplatedNi 30u*Min.
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	Second	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2	Second	5	2M	PA Black	UL94V-0
A8	SBU1	Sideband Use(SBU)	Second	B5	CC2	Configuration Channel	Second	4	1M	PA Black	UL94V-0
A9	VBUS	Bus Power	First	B4	VBUS	Bus Power	First	3	Mid-plate	SUS301	Cleaned
A12	GND	Ground return	First	A1	GND	Ground return	First	2	Low contact	Copper Alloy	UnderplatedNi 50u*Min. Contact area≥2u3u*Min. Solder tall: Au1Min.
								1	Upper contact	Copper Alloy	
								ITEM	PART NAME	MATERIAL	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 2021.12.24
 CHECKED DATE
 APPROVED DATE
<http://www.dg-switch.com>
 TEL: 0769-82388879

Molde code:
GT-USB-7079A
 REV.: X1 SCALE: 4:1 UNIT: mm
 SIZE: A4 SHEET: 1/1