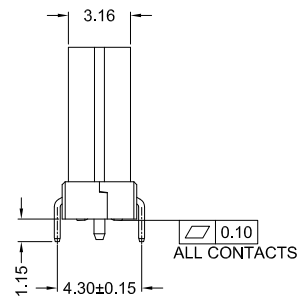


AFTER MATING



SECTION A-A



NOTE:

1.MECHANICAL PERFORMANCE

- 1-1.INSERTION FORCE: 5~20N.
- 1-2.REMOVAL FORCE: 8~20N,6~20N AFTER TEST;
- 1-3.DURABILITY: 10000 CYCLES.

2.ELECTRICAL PERFORMANCE

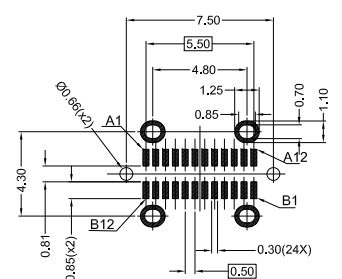
- 2-1. CURRENT RATING:5.0A
VOLTAGE RATING:5.0V
- 2-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 2-3.INSULATION RESISTANCE: 100MΩ MIN
- 2-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

3. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -45°C~+85°C.
- 4.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

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

Item	Title	Material	Dispose	Remark
1	Shell	Stainless Steel	Ni:30u" Min.	
2	GND Plate	Stainless Steel	Clear Only	
3	Mid Plate	Stainless Steel	Clear Only	
4	Top Contact	Copper Alloy	Mating Area: See P/N Solder Tails: Matt Tin	
5	Bottom Contact	Copper Alloy		
6	Insulator	High Temperature Plastic	UL 94V-0	Black
7	HOUSING	HIGH TEMPERATURE RESISTANT PLASTIC(LCP),UL94 V-0.		
8	CONTACTS	COPPER ALLOY(C18150)T=0.12mm		
9	MID PLATE	STAINLESS STEEL(SUS301)T=0.15mm		
10	EMI PLATE	STAINLESS STEEL(SUS301)T=0.10mm		
11	SHELL	STAINLESS STEEL(SUS304)T=0.30mm		



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 1.5±0.10MM;DEFAULT 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 2022.04.21	Molde code:	
CHECKED	DATE	GT-USB-7019A	
APPROVED	DATE		
http://www.dg-switch.com		REV.: X1	SCALE: 4:1
TEL:0769-82388879		UNIT: mm	
		SIZE: A4	SHEET: 1/1