



RECOMMEND LAYOUT (TOP VIEW)
GENERAL TOLERANCE: $\pm 0.1\text{mm}$

Note:

Insulator Key Position	Key 1	Key 2	Key 3
Voltage Rate	12V	24V	5V
Housing Color	Green color	Red color	Black color

REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	FROS	2015/04/13

SPECIFICATION:

1. ELECTRICAL

1.1 Current Rating: 1.5A (USB Section)
3.0A (Powered Section)

1.2 Voltage Rating:
USB: 5.25V DC
Powered: 5V

1.3 Contact Resistance: 40mΩ Max.

1.4 Insulation Resistance: 1000MΩ at 500V DC

1.5 Dielectric Withstanding Voltage: 750V AC

2. MECHANICAL

2.1 Durability: 1,500 Cycle

2.2 Mating Force: 67N max.

2.3 UN-Mating Force: 10N max.

3. ENVIRONMENTAL

3.1 Operating temperature range: -20°C~+85°C

3.2 Storage temperature range: -20°C~+85°C

4. SOLDER ABILITY

4.1 Recommend Temperature: 245°C

Contact Number	Signal Name	Plugging Sequence
Shell	Shield	1
1	VBUS	2
2	D-	3
3	D+	3
4	USB Ground	2
5	PWR Ground	2
6	VPLUS	3
7	VPLUS	3
8	PWR Ground	2

4	SHRAPNEL	PHOSPHOR BRONZE, 60u"~100u" NICKEL PLATED OVER ALL
3	SHELL	BRASS 0.3T, 60u"~100u" NICKEL PLATED OVER ALL
2	CONTACT	PHOSPHOR BRONZE 0.3T, CONTACT AREA: 30u" MIN. GOLD PLATED SOLDER AREA: MATTE-TIN , UNDER PLATED: 50u" MIN. NICKEL
1	Insulator	NYLON46 UL94V-0, BLACK COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCE							
UNIT:	DECIMAL	LINEAR	ANGLES			WWW.ATTEND.COM.TW	
mm	X.	± 0.50	$\pm 5^\circ$				
	X.X	± 0.25	$\pm 3^\circ$				
	X.XX	± 0.12	$\pm 1^\circ$				
DRAWN	Fros	2015/04/13	DRAWN NAME:				
CHECKED	Zola	2015/04/13	Powered USB Socket				
APPROVED	Albert	2015/04/13	PRODUCT NO.	218B-5G01			
SCALE	SHEET	SIZE	FILE NAME	218B-5G01_B_1			
2/1	1/1	A4					