



RECOMMENDED LAYOUT (TOP VIEW)
GENERAL TOLERANCE: ±0.05mm

REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	FROS	2015/04/13
2	Revised terminal width 0.45W -> 0.6W	TIM	2021/11/29

SPECIFICATION:

1. ELECTRICAL

- 1.1 Current Rating: 1.5A (USB Section)
3.0A (Powered Section)
- 1.2 Voltage Rating: USB: 5.25V DC, Powered: 12V
- 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, GREEN COLOR
NO.	PART NAME	DESCRIPTION

UNLESS OTHERWISE SPECIFIED TOLERANCE

UNIT:	DECIMAL	LINEAR	ANGLES
mm	X.	±0.50	±5°
	X.X	±0.25	±3°
	X.XX	±0.12	±1°



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DRAWN	Fros	2015/04/13	DRAWN NAME:	Powered USB Socket
CHECKED	Zola	2015/04/13		12V, 30u" Gold, Green
APPROVED	Albert	2015/04/13	PRODUCT NO.	218B-12G01
SCALE	2/1	SHEET	1/1	SIZE
				A4
			FILE NAME	218B-12G01_B_2