SPECIFICATION:
1. ELECTRICAL
   1.1 Current Rating: 1.5A (USB 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 Recommended Temperature: 245°C

Contact Number | Signal Name | Plugging Sequence
---------------|-------------|-------------------
1              | VBUS        | 1                 
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, 60μ~100μ NICKEL PLATED OVER ALL
3 SHELL        | BRASS 0.3T, 60μ~100μ NICKEL PLATED OVER ALL
2 CONTACT      | PHOSPHOR BRONZE 0.3T, CONTACT AREA: 50μ MIN. GOLD PLATED
               | CONTACT AREA: 50μ MIN. GOLD PLATED, SOLDER AREA: MATTE-TIN, UNDER PLATED: 50μ MIN. NICKEL
1 Insulator    | NYLON46 UL94V-0, GREEN COLOR

Note:
- Insulator Key Position
  - Key 1
  - Key 2
  - Key 3

Voltage Rate  
- 12V
- 24V
- 5V

Housing Color
- Green color
- Red color
- Black color

UNIT:  mm

DECIMAL  | LINEAR  | ANGLES
X        | 4.050   | ±5°
X.X      | 4.025   | ±3°
X.X.X    | 4.012   | ±1°

SCALE 2:1 SHEET 1/1 SIZE A4 FILE NAME 218B-12GD01_B_1

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DRAWN  Fros  2015/04/13 DRAWN NAME: Powered USB Socket 12V, 30u Gold, Green
CHECKED  Zola  2015/04/13 PRODUCT NO. 218B-12GD01
APPROVED  Albert  2015/04/13