ANKER (POWER PORT ATOM PD1) AC ADAPTER CIRCUIT ANALYSIS REPORT

L x W x H=
37.7x 34.9x 41
(unit: mm)
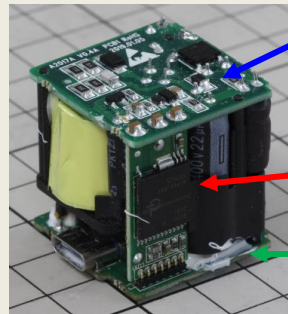
Product outline

PCB1
（AC Input）

PCB3
（Controller）

PCB2
（USB PD Interface）

After remove the case

Product outline

- Small size AC adapter developed by Anker Innovation Limited, sold on Feb 19th, 2019.
- Adopt next-generation power semiconductor material "GaN" material for USB quick charger instead of silicon semiconductor
- Approximately 40% smaller than the genuine battery charger attached to the laptop PC, compact size of 4 cm square
- Full-speed charging is possible for almost all USB-C compatible devices
- Approximately the same size as a 5W output charger, but it an be charged at 2.5 times the speed

The report includes:

- The product consists of three PCBs (PCB1: AC input, PCB2: Controller, PCB3: USB PD interface)
- 37 pages report includes each PCB layout patterns, component list, function block and component level schematic.
- The filter capacitor and the smoothing capacitor for Rectifier are commonly used.
- The offline converter IC uses SC1933C from Power Integrations. GaN FET and low Ron MOSFET are used as power devices, and a chip that performs various primary side control is built in. The primary side and the secondary side are insulated by a transformer that uses a lead frame called FLUXLINK instead of the photocoupler.

Note: The structure analysis report of GaN power device which is equipped in this product is also available.

Report price: $7,500
Note: The report price may change over time. For current price contact **info@ltecusa.com**.

19G-0008-1

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