Power SOC+ with 5V/2.1A Output and 1A linear Charger

DESCRIPTION

ETA9687 belong to a series of ETA Solutions pioneered Power SOC+. It is capable of delivering 2.1A at the 5V output and can charge at its input with up to 1A charging current. A highly integrated synchronous boost converter that can provide efficiency as high as 97% and a simple linear charge that provides fast charge current up to 1A are both integrated in ETA9687. Simple MCU functions are also included in ETA9687, such as, push-button, USB charging emulation, no load detection. All of these highly integrated features of ETA's Power SOC+ technology make ETA9687 an ideal solution for Power bank or applications alike.

ETA9687 is available in ESOP-8 package.

FEATURES

- Up to 97% Energy Converting Efficiency
- Up to 2.1A output current at 5V output, 3.3V input
- Dedicated Charging Port (DCP) emulator
- True Shut off during shutdown and output short-circuit protection
- Thermal Shutdown
- ESOP-8

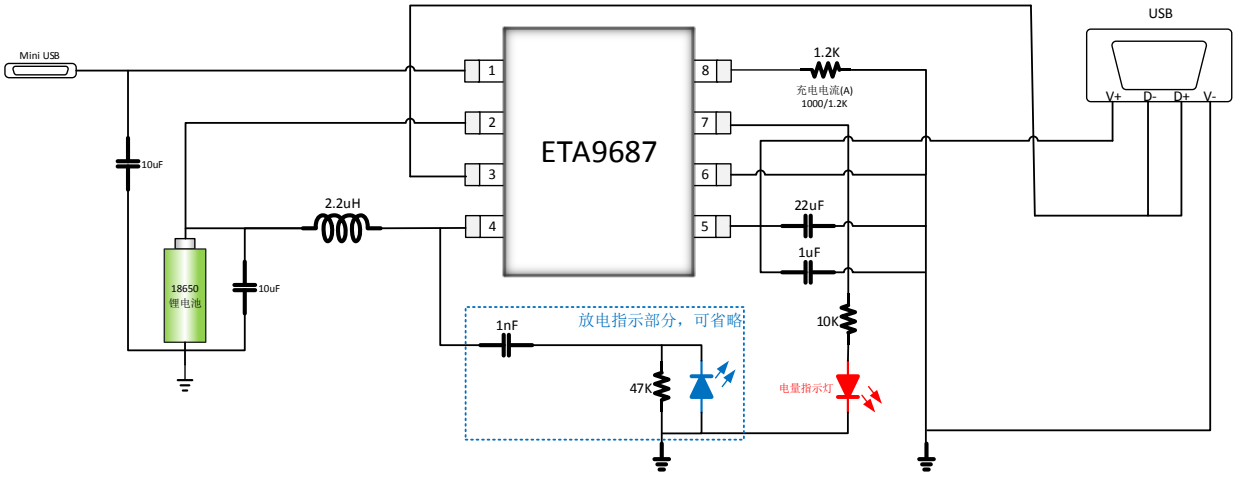
APPLICATIONS

- Power Bank
- Tablet PC, MID

ORDERING INFORMATION

PART ID	PACKAGE	TOP MARK
ETA9687E8A	ESOP8	ETA9687 YWW2L

TYPICAL APPLICATION



Typical application circuit of ETA9687