

5V/2.1A Synchronous Boost with 1A linear Charger

DESCRIPTION

ETA9688 is a 5V/2.1A synchronous boost integrated with 1A linear charger. 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 ETA9688. For USB charger application, ETA9688 is designed a BC1.2 compliant D+/D- interface for cellphone and tablet PC charging. With all of these highly integrated features, it makes ETA9688 an ideal solution for E-cigarette and Power bank or applications alike.

ETA9688 is available in DFN3x3-12 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 with BC1.2 compliant
- ◆ True Shut off during shutdown and output short-circuit protection
- ◆ Thermal Shutdown
- ◆ DFN3x3-12

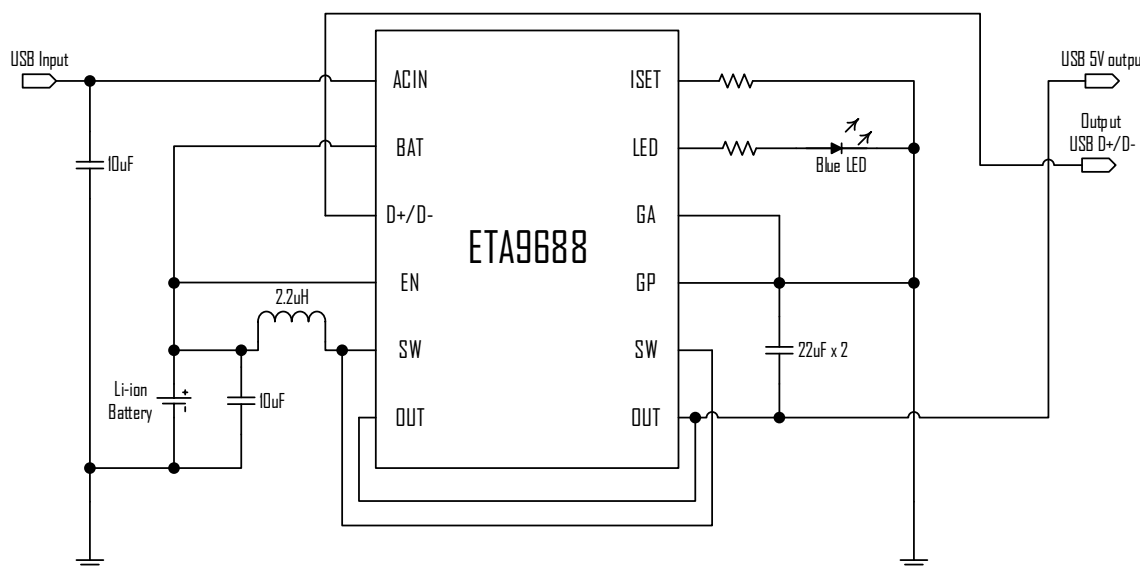
APPLICATIONS

- ◆ E-cigarette
- ◆ Power Bank

ORDERING INFORMATION

PART ID	PACKAGE	TOP MARK
ETA9688D3M	DFN3x3-12	ETA9688 YWW2L

TYPICAL APPLICATION



Typical application circuit of ETA9688