

Single Inductor, 2A Switch Mode Battery Charger with 1.5A USB OTG

DESCRIPTION

ETA6095 is a switching Li-Ion battery charger capable of delivering up to 2A of charging current to the battery and also capable of delivering up to 1.5A in boost OTG operation, with high efficiency in both charging mode and OTG mode. For charging, it uses a proprietary control scheme that eliminates the current sense resistor for conventional constant current control, maximizing efficiency, reducing charging time and reducing costs. It can also output a 5V voltage in the reversed direction by boosting from the battery. It only needs a single inductor to provide power bi-directionally. ETA6095 is an ideal all-in-one solution for battery charging and discharge applications, such as power banks, smart phones, and tablets with only one USB port that can be used for both charging battery and USB OTG function.

ETA6095 is suitable for charging a 4.2V Li-ion battery. And ETA6095 is in DFN2x3-8 package.

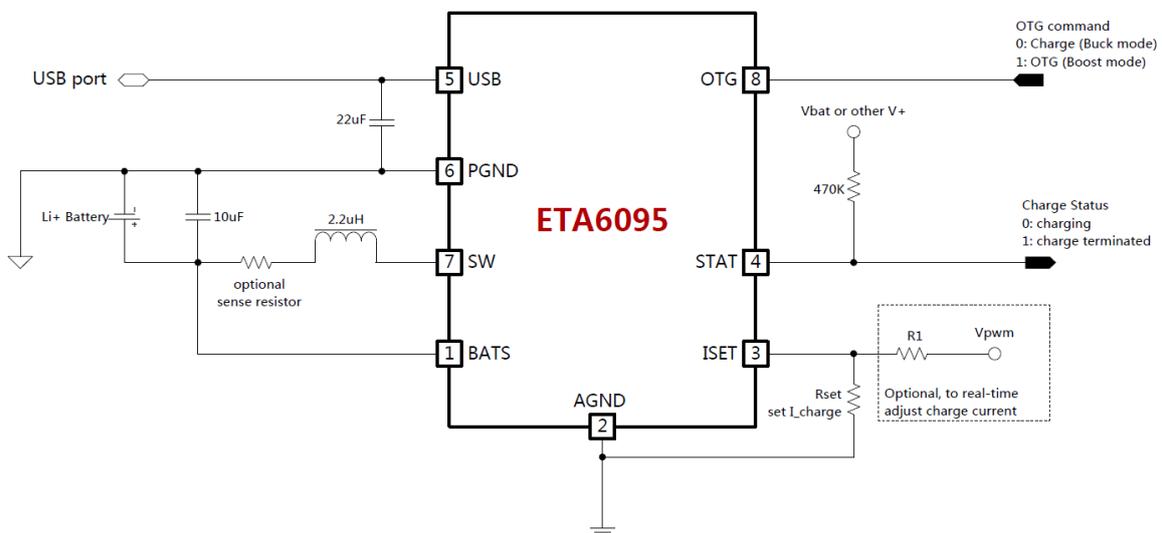
FEATURES

- ◆ Bi-Directional Power conversion with Single Inductor
- ◆ Switching Charger
- ◆ 5V Synchronous Boost
- ◆ Up to 95% Efficiency
- ◆ Up to 2A Max charging current and 1.5A discharging
- ◆ No-Battery detection
- ◆ No External Sense resistor

APPLICATIONS

- ◆ Tablet, MID
- ◆ Smart Phone
- ◆ Power Bank

TYPICAL APPLICATION



ORDERING INFORMATION

PART No.	PACKAGE	TOP MARK	Pcs/Reel
ETA6095D6I	DFN2x3-8	JXYW	3000