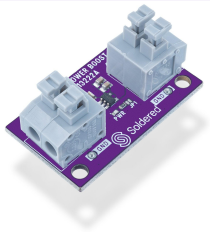
PRODUCT DATASHEET



Mini Low-Power TPS613222A Boost Converter

333096

The TPS613222A boost converter efficiently steps up low voltages (0.9V-5.5V) for reliable power in battery-powered devices.

Full product documentation, files and tutorials: **solde.red/333096**

CORE ATTRIBUTES

SKU **333096**

WEIGHT **8 g**

BARCODE **732388656806**

DESCRIPTION

Introducing the **TPS613222A boost converter**, the ideal solution for your power management needs! This compact and efficient boost converter is designed to provide a stable power supply for your low-voltage devices, ensuring they run smoothly and reliably. Whether you're a hobbyist working on DIY electronics projects or a professional developing advanced applications, the TPS613222A boost converter offers the perfect blend of performance and simplicity.

The TPS613222A is a high-efficiency, synchronous boost converter that steps up input voltages from as low as **0.9V** to output voltages up to **5.5V**. This makes it perfect for battery-powered devices, including portable gadgets, wearables, and other low-power electronics. Its ultra-low quiescent current helps to extend battery life, making your devices more efficient and eco-friendly. There are quick terminals with springs on the board for even simpler and faster connection within the system.

TECHNICAL DETAILS

- **Input voltage:** 0.9V - 5.5V
- **Output voltage:** 1.8V - 5.5V
- **IC:** TPS613222A
- **Dimensions:** 38 × 22 mm / 1.5 × 0.9 inch

SPECIFICATIONS

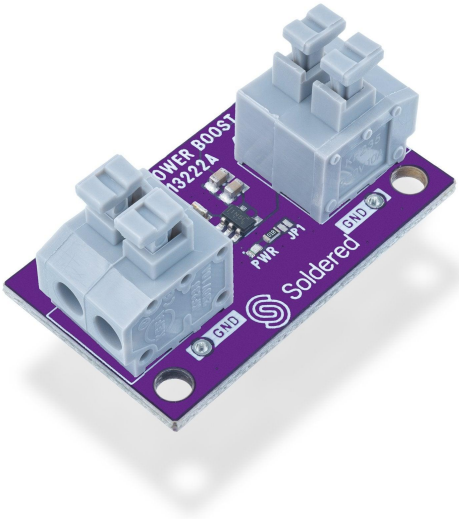
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	Yes
IC PART NUMBER	TPS613222A

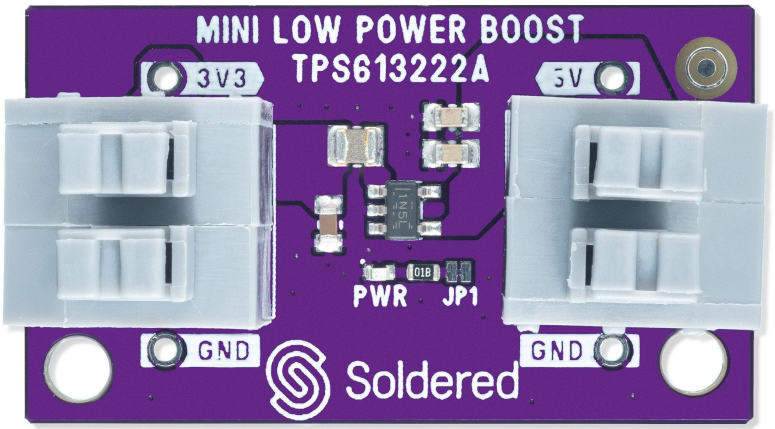
SUPPLY VOLTAGE MIN V	3.3
SUPPLY VOLTAGE MAX V	3.3

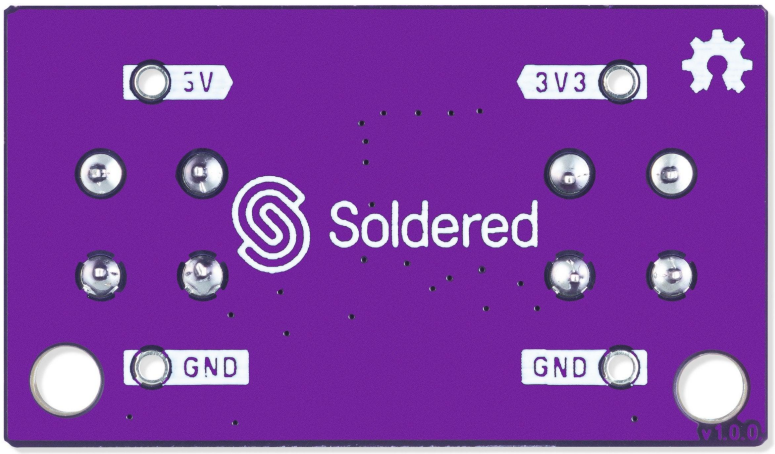
LINKS

Open Source Hardware Files	https://github.com/SolderedElectronics/Mini-low-power-TPS613222A-boost-converter-hardware-design
Full Documentation	https://docs.soldered.com/tps613222a/overview/
Pinout	https://cms.soldered.com/products/333096/media/333096_pinout-png_999979.jpg

GALLERY


PWR
JP1
GND
Soldered
GND


MINI LOW POWER BOOST
TPS613222A
3V3
5V
PWR
JP1
GND
Soldered
GND


5V
3V3
Soldered
GND
GND