

XinaBox Datasheet PU01 - USB (Type A) Power Supply



Overview

This xCHIP is designed to supply power to connected xCHIPS directly from a USB port without the need of an extension cable. Voltage regulation from USB power provided by on-board AP2114 LDO, which features 1 A continuous current output, good output regulation accuracy and short circuit protection.

Product Highlights

- 1 A Continuous Output Current
- LED Power Indicator
- USB A connectivity without the need of a cable
- Fold-back Short Current Protection

Specifications

- Output Voltage Accuracy: $\pm 1.5\%$
- Output Current: 1A
- Fold-back Short Current Protection: 50mA
- Low Quiescent Current: 60 μ A
- Low Output Noise: 30 μ V RMS
- OTSD Protection
- Operating Temperature Range: -40°C to 85°C

External Links

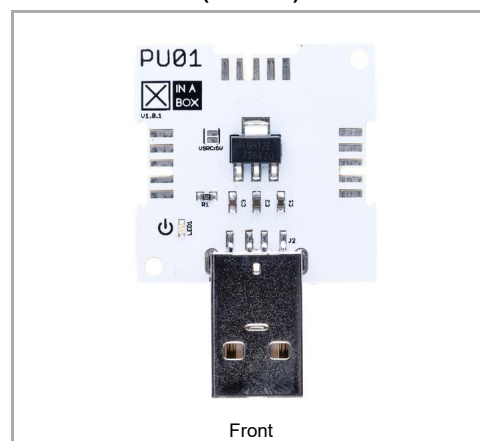
Datasheet

- AP2114 From BCD Semiconductor Manufacturing Limited (<https://www.diodes.com/assets/Datasheets/AP2114.pdf>)

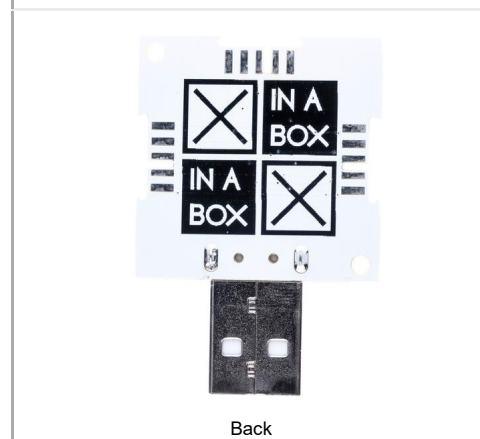
Shop

- Buy PU01 (<https://xinabox.cc/products/PU01>)

PU01 - USB (Type A) Power Supply (AP2114)



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XINACHIP

Main Category	Power
Sub Category	USB
Introduced	1 January 2017
Current version	1.0.0
Current version date	1 January 2017
Dimensions	
Size	2x2U (32x32mm)
Weight	5.2 g
Height	6.2/3.3/1.7 mm
Non-XINACHIP Connections	
South	USB A
Main Chip Set	
Main Chip	AP2114