





Populate for No Battery Option

Populate for Installed Battery Option

| Sheet: /Power control/ | File: HAT\_ver\_5.1-Power.sch | Title: HAT Power Options | Size: USLedger | Date: 2019-10-20 | Rev: 5.1.0 | KiCad E.D.A. kiCad (6.0.0-rc1-dev-1413-ga48e89956) | Id: 2/3

## Revision History

```
Rev 5.0.1 — Remove PG8 control of U4; swap pins of Bat1 footprint Rev 5.0.2 — Add physical connection to unused pins of U5 Rev 5.0.4 — Add connection from AXP209 (pin 48) to P1—8 (IRQ to NEO) Rev 5.0.5 — Add C16 (noise filter for IRQ) Rev 5.0.6 — Add time delay from AXP209 to FET Switch; add test points Rev 5.0.7 — Add R12 pull down on PG11 to set pedigree Rev 5.08 — Mounting holes went missing in 5.0.7, added back in 5.0.8 Rev 5.0.9 — Change P4 to TH mount, SMD electrical; changes layout only
```

## Orders

```
5.0.0 - Boards ordered from PCBWay -
11/03/18
5.0.2 - Boards ordered from PCBWay -
12/06/18
5.0.4 - Order boards from PCBWay
for 100 unit build

TO DETERMINE BOARD PEDIGREE (from cli.py):
- Is PA6 HIGH?
Y => HAT connected; L => no HAT
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- Is PAO HIGH?

Y => HAT connected; L => no HAT

- Is AXP209 present (via i2c)?

Y => Q3Y2018 or later;

Is PA1 HIGH (with NEO soft pull low on PA1)?

Y => Q3Y2018, N => Q4Y2018

N => (test for display)

Is OLED present (via i2c)?

Y => Q4Y2019; N => Q1Y2018

Sheet: /Notes/ File: HAT\_ver\_5.1-p3.sch

## Title: ConnectBox HAT Size: USLetter | Date: 2019\_10\_19

ı	SIZE. USLELLEI	Date. 2019-10-19	KEA: O'O'T
	KiCad E.D.A. kid	ad (6.0.0-rc1-dev-1413-ga48e89956)	ld: 3/3

Day: 6.0.1