



CHARGER STATUS **USB CONNECTOR** LIPO CHARGER 3V3_LD0 JP4 VBUS VDD_STAT J1 USB_B_Micro VBUS C18 MCP73831-2-0T **VBUS** QQ VBAT 10uF For MCP73831/2 max 500mA and TP4054 max 800mA lcharge(ma) = 1000/R(kOhm) 10k = 100mA 5k = 200mA 2k2 = 455mA 1k = 1000mA **■** VBUS VBAT D+ ∺ R16 PROG STAT VBAT_STAT R18 GND _ C19 **1**0uF RPROG 2k2 D2 CHRG For TP4065 max 600mA lcharge(ma) = 1100/R(k0hm) 2k2 = 500mA 2k = 600mA \rightarrow GND VBAT_STAT GND VBAT STAT GND GND D3 VBAT_STAT_SENSE CHRG DONE 1 VBAT_STAT_SENSE LOAD SHARING POWER AND FILTERING GND GND VBAT U6 NCP167BMX330TBG √3V3_LD0 V_POWER VBUS R21 **POWER CONNECTORS** C22 EPAD GND C24 A03401A 1uF 1uF D1 PWR_FLAG BAT60JFILM GND GND GND BAT V_POWER $\dot{\uparrow}$ GND VBUS > U7 NCP167BMX330TBG GND GND 3V3_LD02 V_POWER > OUT 3V3_LD02 3V3_LD02 GND C23 C25 GND 1uF 1uF GND GND 3V3_LD02_EN IoT-PostBox board based on ESP32-S2 3V3_LD02_EN https://github.com/paclema/iot-postbox Sheet: /POWER/ V_POWER File: POWER.kicad_sch Title: IoT-PostBox Size: A4 Date: 28.05.2022 Rev: v1.0 KiCad E.D.A. kicad (6.0.5) Id: 3/4

