



Matrix

MCU Module

Battery Charging

JST and THT Solder Battery Interfaces

Voltage Regulator

USB Receptacle

Programming Interface
SWD 6-pin and Tag-Connect SWD

Voltage Sensing

Reset/Boot Select

TMR: $(10 \times 48 \text{ s/kOhm}) \times 47 \text{ kOhm} = 22560\text{s} = 6.27\text{h}$
 ILIM: $1550 \text{ AOhm} / 1500 \text{ Ohm} = 1.03 \text{ A} = 1030 \text{ mA}$
 ISET: $890 \text{ AOhm} / 3000 \text{ Ohm} = 0.297 \text{ A} = 297 \text{ mA}$ Charging Current
 EN1: 1, EN2: 0 = 475 mA MAX
 TS: 10 kOhm to GND = no OTP

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 File: cutiepie-nRF52840-uniform-stagger-hotswap-pcb.kicad_sch

Title:		Rev:	
Size: A4	Date:		
KiCad E.D.A. 9.0.0		Id: 1/1	