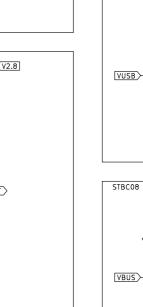


≷R11 100k -VBUS STBC08 Charge Status level shifter and Enable circuit SSM6L61NU CHRG_STAT NOTE:
- STBCO8 is shutdown by
disconnecting the PROG pin
from ground. This happens
when USB power is removed. R22 100k VBUS> R12 GND N-Mosfet ≤100k CHRG √VUSB >



Battery voltage monitoring circuit

-VVV-

R13 100k

VBATT >

VBATT>

SSM6L61NU

P-Mosfet

R15
 75K

GND

BAT30KFILM

1 2

CHRG signal level shifted from VBUS to V2.8

V2.8

Schottky Diode

Load Share and System LED drive circuits

N-Mosfet

- Vout = (Vin*R15)/(R14+R15) - BM = VBATT @ 4.2V = 1.8V

-ВМ

C11

SSM6L61NU

GND

GND

GND

YEL/GRN 10k

- BM_EN

LED_EN

-√VBUS

- 100k

R23

2M

R19 GND

≶100k

GND

Designed by Andrew Green Sheet: / File: BT.kicad_sch Title: SIDFLC Size: A3 Date:
KiCad E.D.A. eeschema 7.0.9-7.0.9-ubuntu22.04.1 Rev: V7.0 ld: 1/1

P-Mosfet