+5V

PWR_FLAG

+3.3V

SW1
SW_SPDT

F1
Polyfuse

U1
LM1117GS-3.3

2
1
3

F2
Polyfuse_Small

VI  VO
GND
3   2
1

C1
10µ

GND

GND

J1
USB_C_Receptacle_USB2.0_16P

VBUS  A4
CC1   A5
CC2   B5
D-    A7
D-    B7
D+    A6
D+    B6
SBU1  A8
SBU2  B8
SHIELD
GND

S1
GND

A1
GND

R2
5.1k

R1
5.1k

PWR_FLAG

GND

D-

D+

+5V

D-
D+

J5
Conn_01x05_Socket

1
2
3
4
5

GND

+3.3V

+5V

R3
1k

D1
LED

GND

J4
Conn_01x03_Pin

+5V

1
2
3

+3.3V

VDD

Conn_01x02_Pin
J2
1
2

Conn_01x02_Pin
J3
1
2

GND

K.Takata
Sheet: /
File: PCB_USB_C_for_breadboard.kicad_sch
Title: USB Type-C Power Adaptor for Breadboard
Size: A4    Date: 2025-08-02
KiCad E.D.A. 9.0.5
Rev: 3
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