BREAKOUT USB-C PD v0.1

CH224A: USB-C PD sink, 5 / 9 / 12 V ke terminal. Contoh desain rancang.in, belum diproduksi.

Main



File: main.kicad_sch

Breakout USB-C PD trigger 5/9/12 V (CH224A) — contoh rancang.in

rancang.in

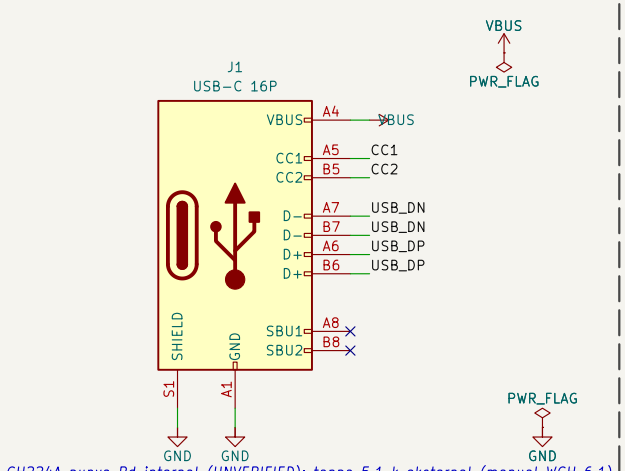
Sheet: /
File: breakout-usb-c-pd.kicad_sch

Title: Breakout USB-C PD v0.1

Size: A3	Date: 2026-10-28	**Rev: 0.1**
KiCad E.D.A. 10.0.8		Id: 1/2

USB-C INPUT

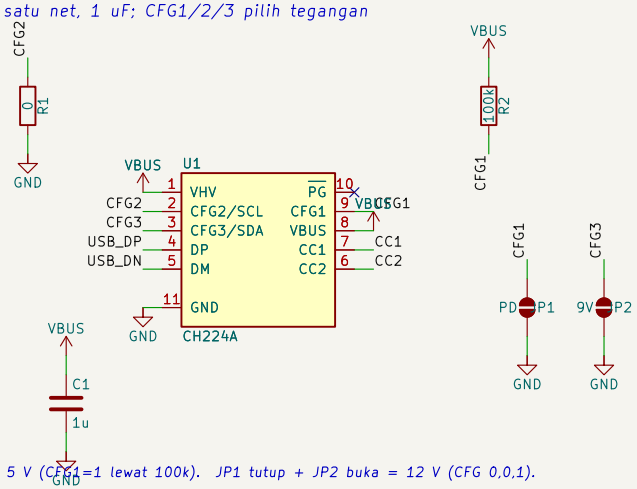
Receptacle 16P (D+/D- ke CH224A)



CH224A punya Rd internal (UNVERIFIED): tanpa 5,1 k eksternal (manual WCH 6.1).

PD TRIGGER – CH224A

VHV+VBUS satu net, 1 uF; CFG1/2/3 pilih tegangan

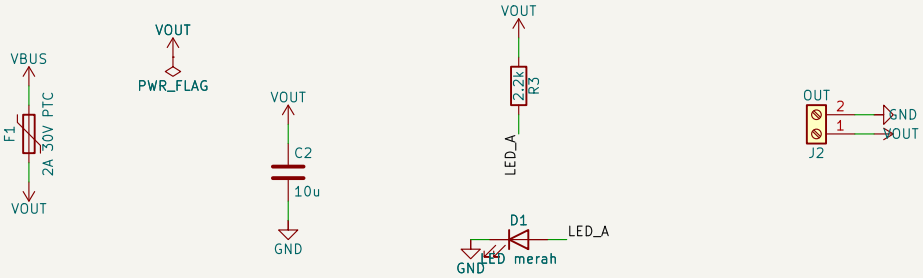


JP1 buka = 5 V (CFG1=1 lewat 100k). JP1 tutup + JP2 buka = 12 V (CFG 0,0,1).

JP1 + JP2 tutup = 9 V (CFG 0,0,0). CFG2 dikunci ke GND lewat 0R: 20/28 V tidak bisa dipilih.

OUTPUT

PTC 2 A -> terminal 5,08 mm; LED daya



Breakout USB-C PD trigger 5/9/12 V (CH224A) – contoh rancang.in

rancang.in

Sheet: /Main/

File: main.kicad_sch

Title: USB-C PD trigger: CH224A, pilih 5/9/12 V, terminal keluaran

Size: A4	Date: 2026-10-28	**Rev: 0.1**
KiCad E.D.A. 10.0.8		Id: 2/2