



Offset error =  $0.0025\text{mV} / (3\text{m}\Omega \cdot 25\text{A}) = 0.003\%$   
 Max power dissipation =  $3\text{m}\Omega \cdot (25\text{A})^2 = 1.875\text{W}$

Default Address: 0x45 | 0b1000101  
 A1 -> GND: 0x41 | 0b1000001

The MUREX Power Board is the world's smallest open-source dual output, high power module designed for ROV applications and other 12V/5V/3.3V DC systems.

// THINK DIFFERENT, THINK MUREX.

// INNOVATION IS OUR OBSESSION.

**MUREX Robotics [Max Liu]**

Sheet: /

File: ina226.kicad\_sch

**Title: Power Board**

Size: A4

Date: 2023-11-27

Rev: **V2.0**

KiCad E.D.A. 9.0.0

Id: 1/1