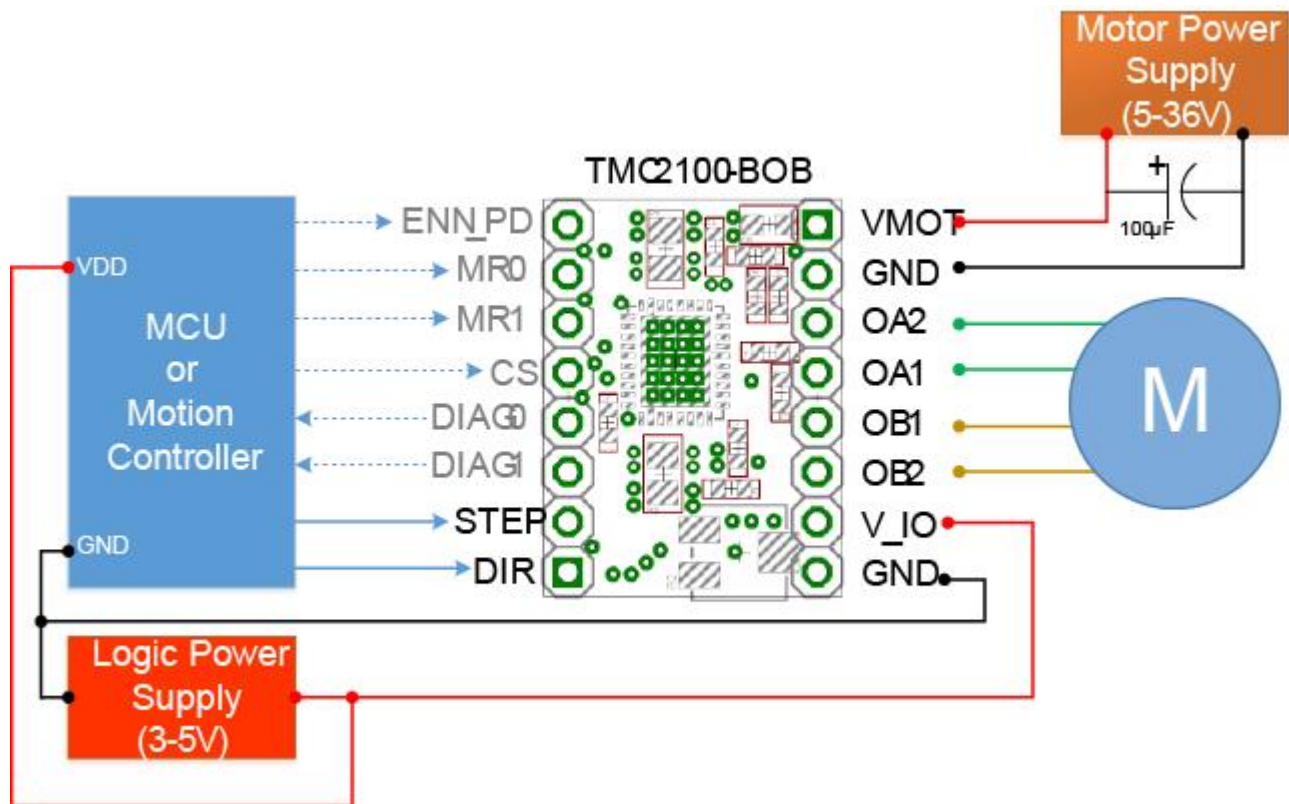


Startup instructions for the TMC2100-BOB



Honestly we really like the simplicity of the stepStick. Just getting a stepper motor to operation within seconds is a great concept.

But what we like even more is the smoothness of 256 microsteps per fullstep and the silence of stealthChop™. Our Answer is TMC2100-BOB

TMC2100-BOB has a configurable microstep resolution from fullstep up to 256 microsteps. To keep it compatible with other firmware made for stepstick or Pololu board it has a configurable interpolation.

Setting the microstep resolution

MR1	MR0	Microstep Input	Interpolation Output	Current Control Mode
GND	GND	Fullstep	Fullstep	spreadCycle
GND	VCC_IO	Halfstep	Fullstep	
GND	open	Halfstep	256 μ Steps	
VCC_IO	GND	Quarterstep	Quarterstep	
VCC_IO	VCC_IO	16 μ Steps	16 μ Steps	stealthChop
VCC_IO	open	Quarterstep	256 μ Steps	
open	GND	16 μ Steps	256 μ Steps	
open	VCC_IO	Quarterstep	256 μ Steps	
open	open	16 μ Steps	256 μ Steps	