

CNC-GRBL-UNO

Rev.E

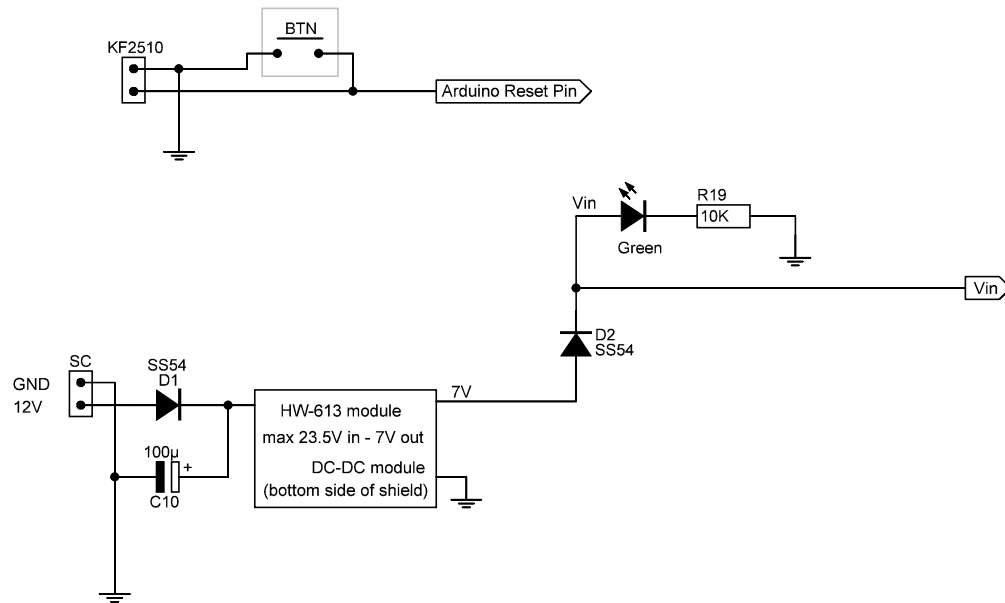
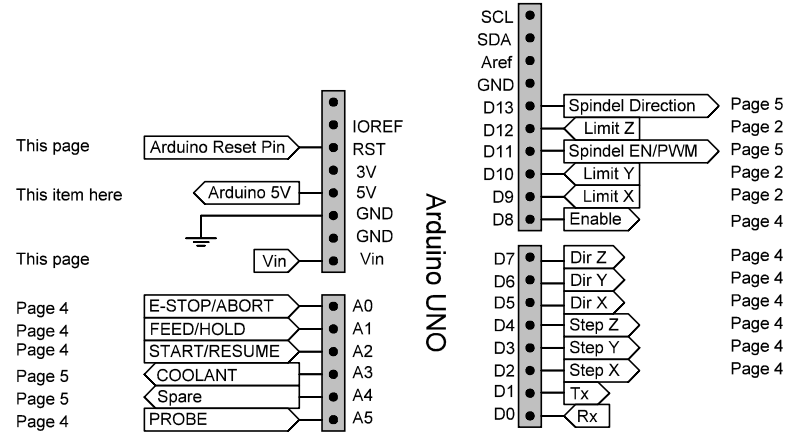
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Power & Overview

2023-May-03

- HowTo Wire external Stepper Drivers - page 4

Default for GRBL 1.1



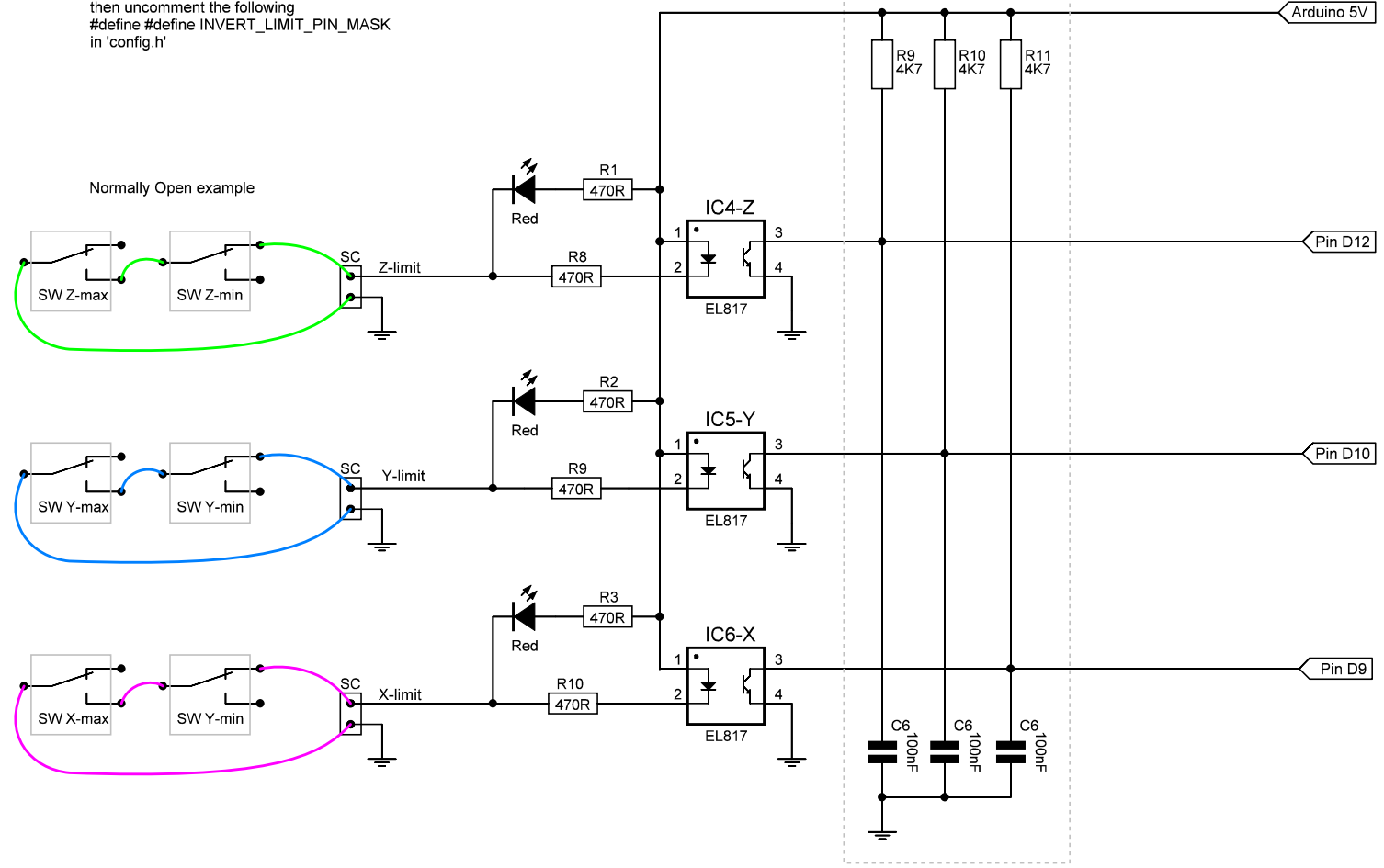
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Limit switches
 2023-May-04

GRBL 1.1 default is to only use limit switches on Minimum
 And software limits in Max limit

In order to use both Min AND Max limit switches
 then uncomment the following
`#define LIMITS_TWO_SWITCHES_ON_AXES`
 in 'config.h'

GRBL 1.1 default is to only use NO (Normally Open) limit switches

In order to use NC (Normally Close) limit switches
 then uncomment the following
`#define #define INVERT_LIMIT_PIN_MASK`
 in 'config.h'

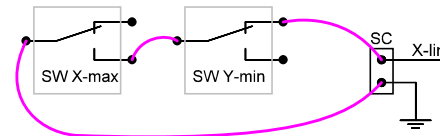
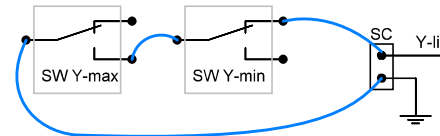
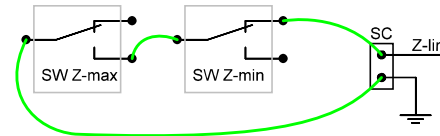


For GRBL 1.1 the Z-limit default is pin 12.

For GRBL 1.1 pin 11 is used for EN/PWM of Spindel.

Noise Filtering option
 if Opto-couplers are not used
 or chosen to be by-passed

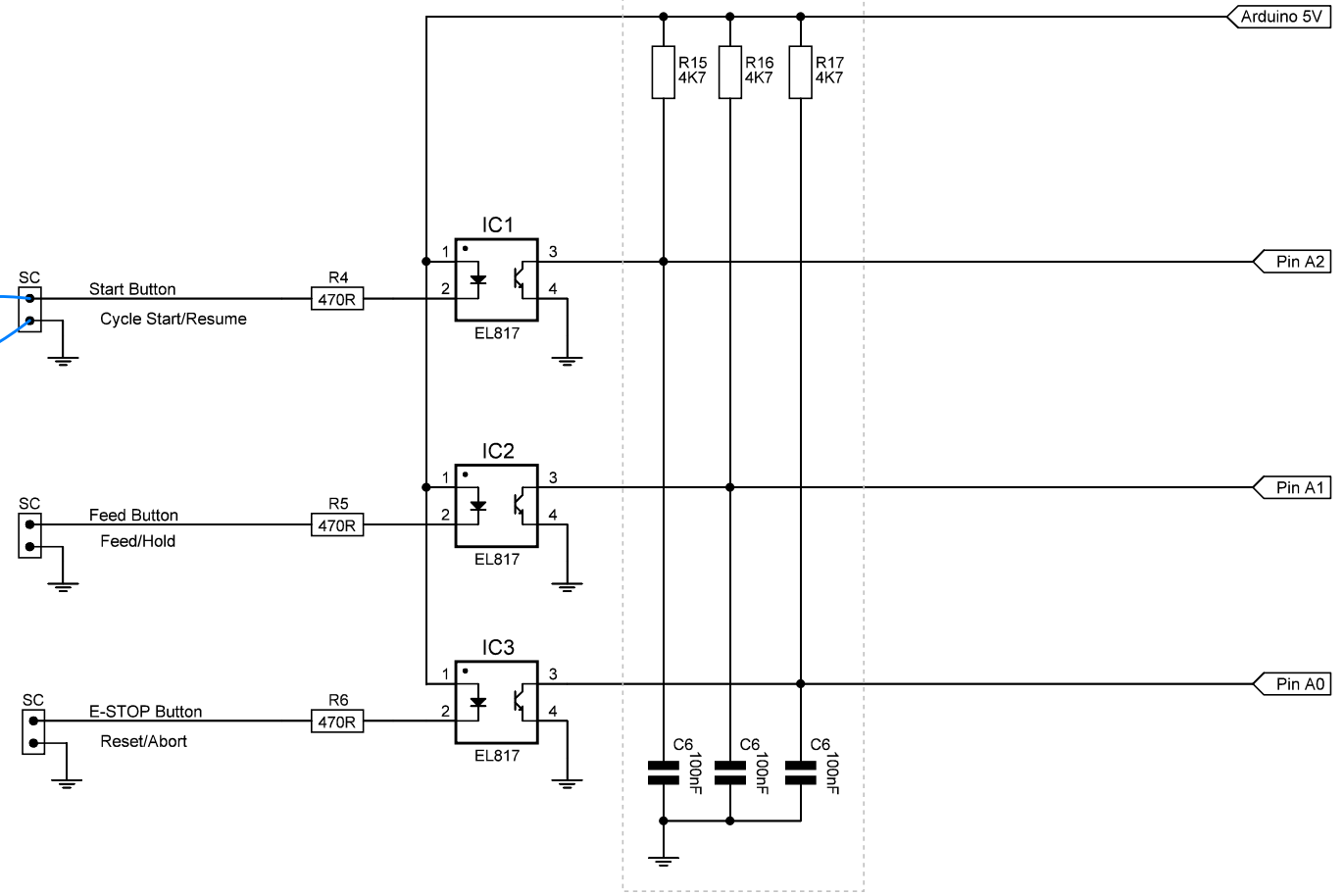
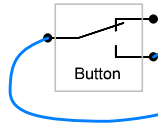
Normally Open example



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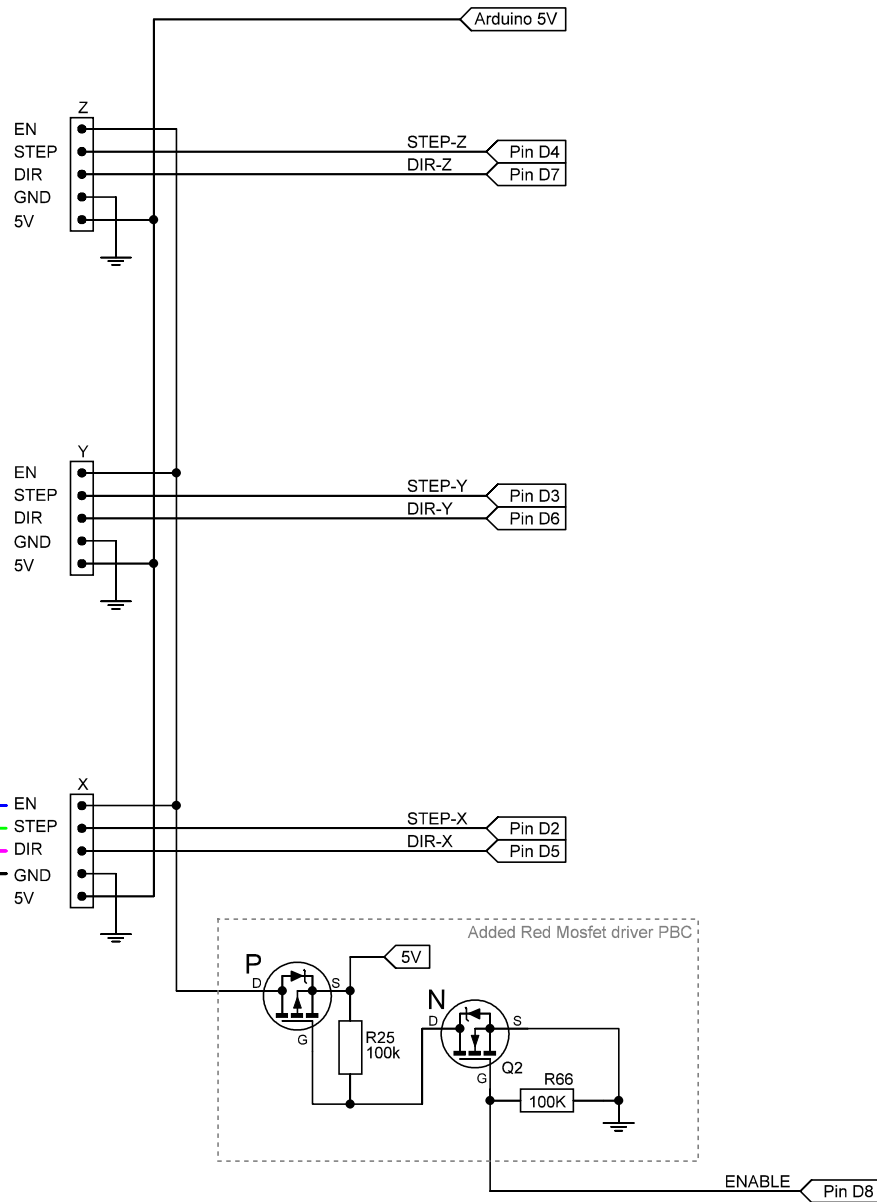
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Buttons
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Normally Open example
(This is GRBL 1.1 default setting)



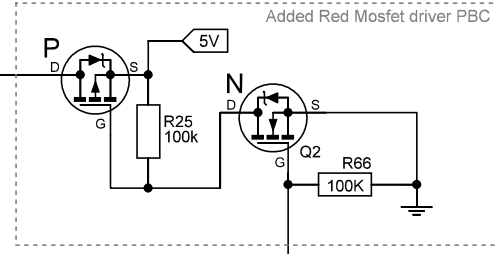
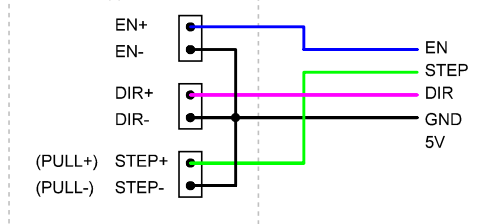
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Steppers
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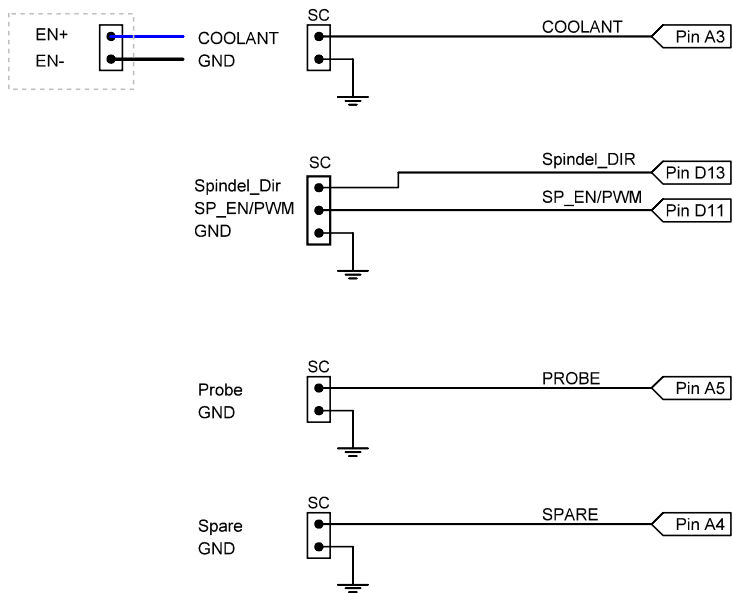
DIRECT wiring

External Stepper Driver



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Other pins
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For GRBL 1.1
pin 11 is used
for EN/PWM of Spindel.

For GRBL 1.1
the Z-limit default is pin 12.