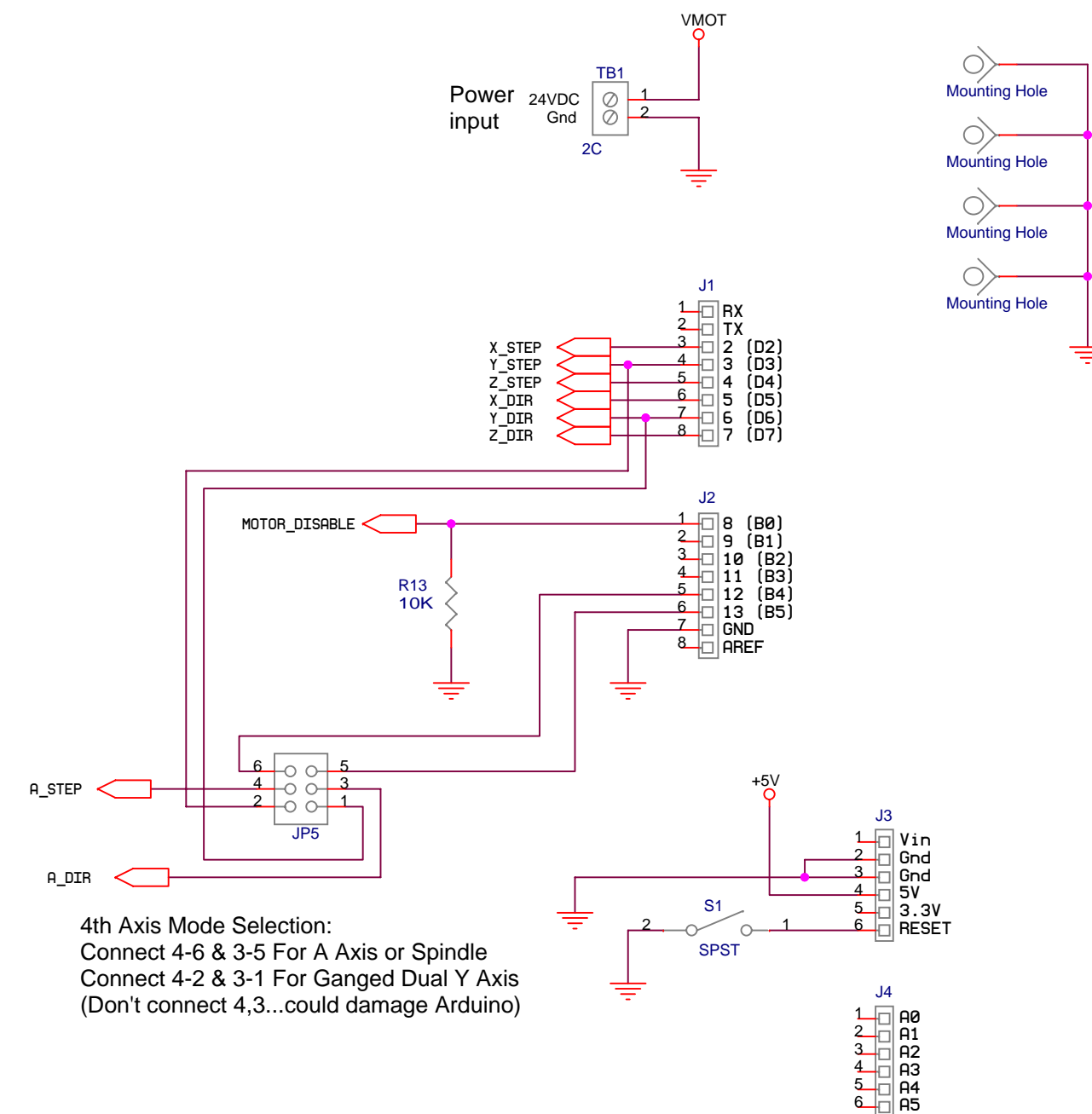
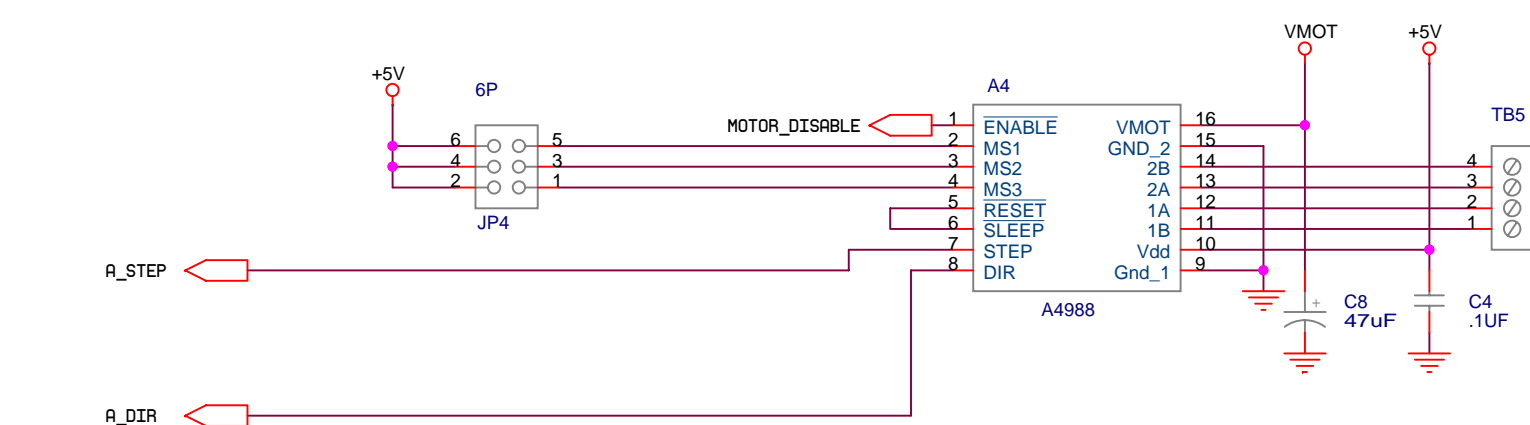
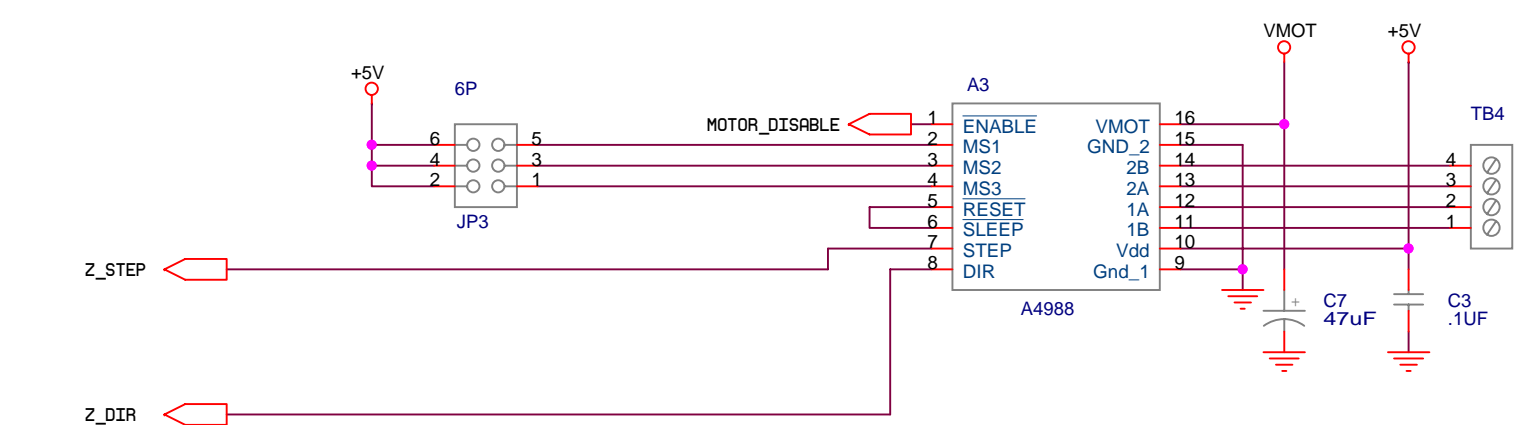
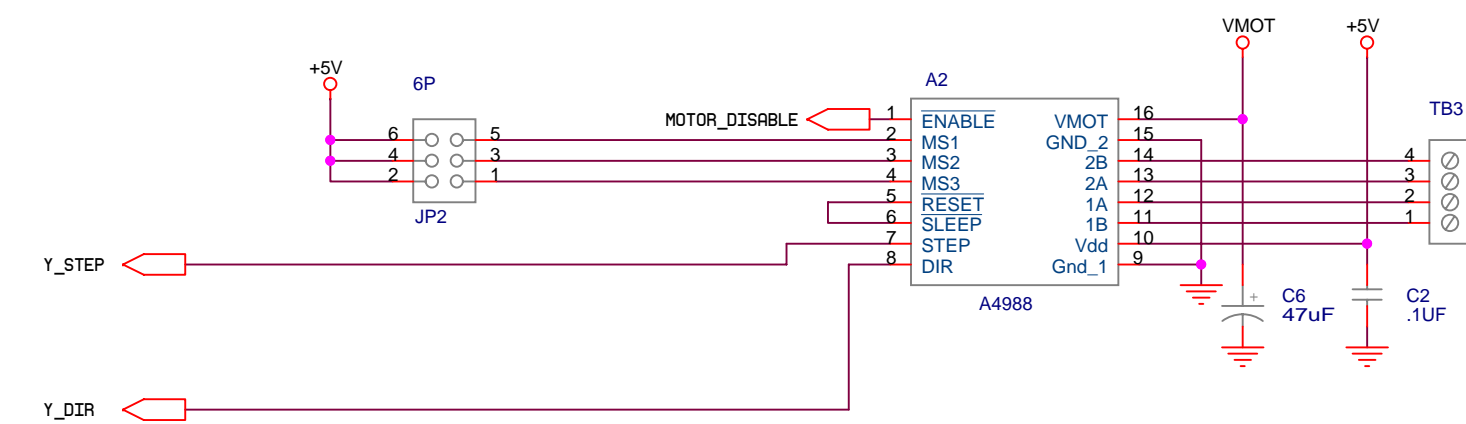
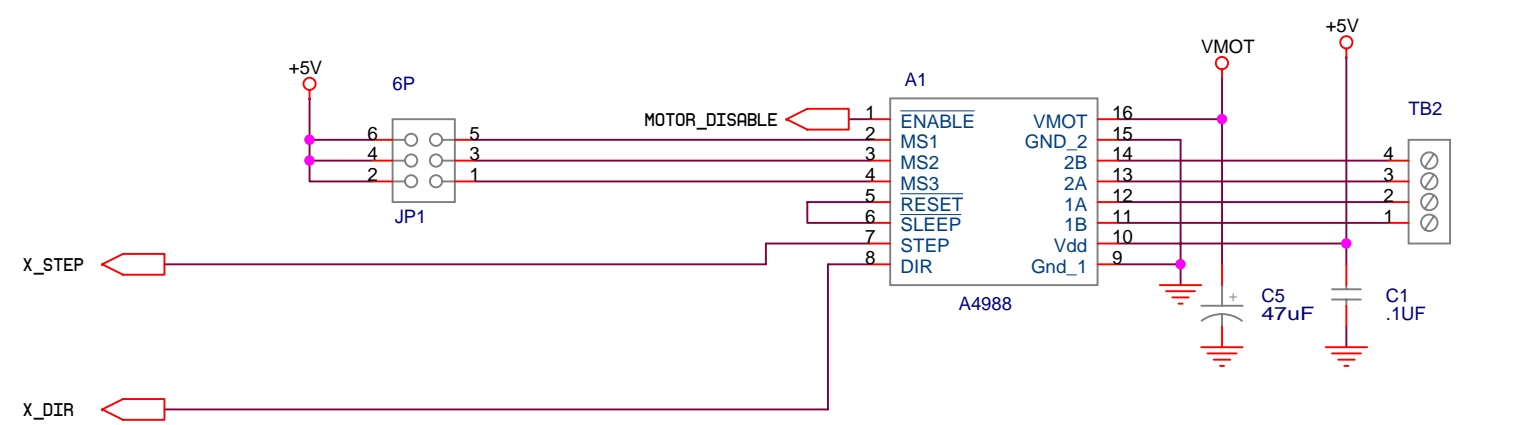


Revision History

1. Original
2. Added 47uF Caps, Removed mode pullup resistors changed 220uF caps to 0.1uF caps.
3. Change Pinout to standard GRBL
Remove microstep pull up resistors
Added ganged Y axis option



4th Axis Mode Selection:
Connect 4-6 & 3-5 For A Axis or Spindle
Connect 4-2 & 3-1 For Ganged Dual Y Axis
(Don't connect 4,3...could damage Arduino)

Microstep Selection (1= Jumper On)

Full Step No Jumpers
1/2 Step 1 0 0
1/4 Step 0 1 0
1/8 Step 1 1 0
1/16 Step 1 1 1

GRBL Pinout Reference

```
#define STEPPING_DDR    DDRD
#define STEPPING_PORT  PORTD
#define X_STEP_BIT      2
#define Y_STEP_BIT      3
#define Z_STEP_BIT      4
#define X_DIRECTION_BIT 5
#define Y_DIRECTION_BIT 6
#define Z_DIRECTION_BIT 7
```

```
#define SPINDLE_ENABLE_DDR DDRB
#define SPINDLE_ENABLE_PORT PORTB
#define SPINDLE_ENABLE_BIT 4
```

```
#define SPINDLE_DIRECTION_DDR DDRB
#define SPINDLE_DIRECTION_PORT PORTB
#define SPINDLE_DIRECTION_BIT 5
```

Title		
Stepper Driver Shield		
Size	Document Number	Rev
C	C32015	3
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