RAMPS 1.4 (RepRap Arduino MEGA Pololu Shield)   GPL v3
reprap.org/wiki/RAMPS1.4
Reversing input power, and inserting stepper drivers incorrectly will destroy electronics.

SS Relay

Extruder motor switch (or jumper if no switch)

Thermistor

Filament Fan

Winder Power

12-35V Out

+ 12 V supply

- 12 V supply

12-35VDC In

Blob sensor input

Blob sensor +5v

Blob sensor gnd

Filament sensor gnd

Filament sensor +5v

Filament sensor input

M1 Extruder stepper motor

M2 Puller stepper motor

I2C

AUX-4

GND	A13	GND	A14	GND	A15
D3	D2	D14	D15	D18	D19

SERVOS

5V	GND	D1	D0

AUX-1

GND	A9 D63	D40	A11 D65
5V	A3 D57	A4 D58	5V	A5 D59	A10 D54	D44	A12 D66

AUX-2

AUX-3 / SPI

GND	SCK D52	MISO D50	5V
NC	D53	MOSI D51	D49

| 21 |
| 20 |
| GND |
| 5V |

| D16 |
| D17 |
| D23 |
| D25 |
| D27 |
| D29 |
| D31 |
| D33 |
| D35 |
| D37 |
| D39 |
| D41 |
| D43 |
| D45 |
| D47 |
| D52 |
| GND |
| 5V |

Document revision 2

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