Rev: 140923

Connection method A - 10, 22awg wires required.
Allows control of LED ring and both fans

Connect to Hotend Negative   18 awg   22 awg
                                         22 awg
                                    6 12
                                    5 11   22 awg   FAN 1 ground
                                    4 10   22 awg   FAN 2 ground
Connect to Hotend positive   18 awg   22 awg
                                    3   9   22 awg   Connect to thermistor input
                                    2   8   22 awg   Connect to thermistor input
                                    1   7   22 awg   LED Negative, connect to a ground
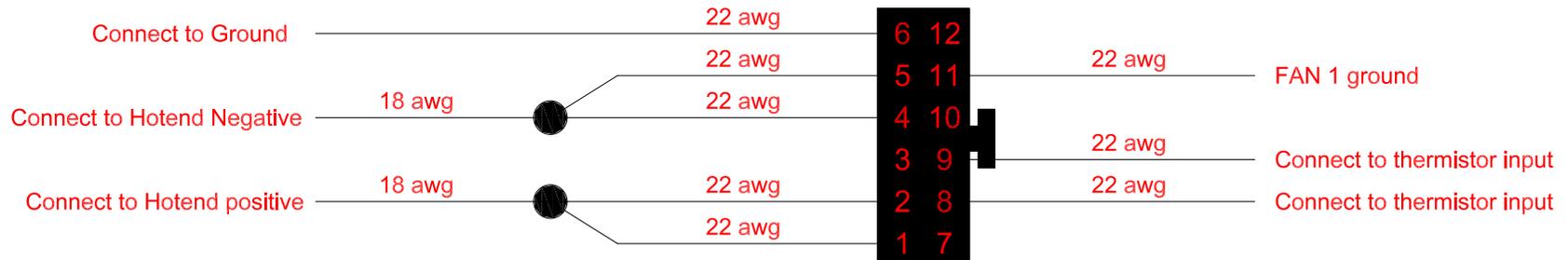   22 awg   to turn on part LED's
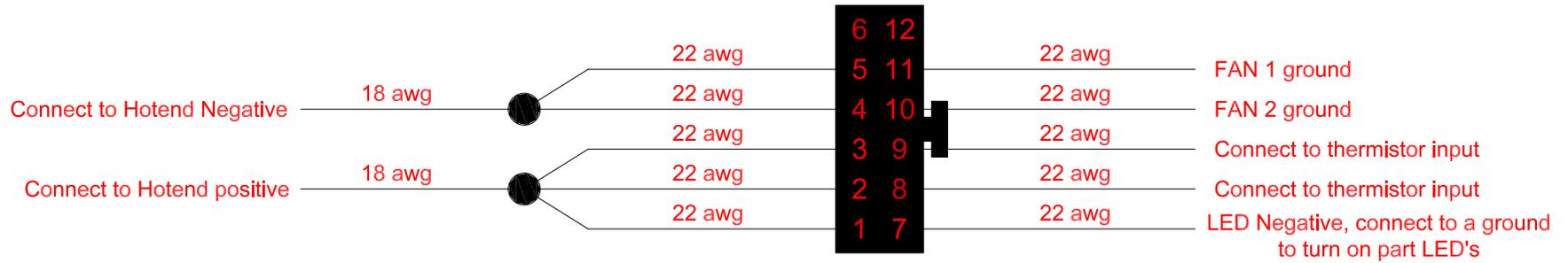
The RAMBo Board uses a common Positive. The Hotend positive also feeds power to the
LED and fans. Pins 1,2,3 should be connected to the Hotend Positive. The Hotend
Temperature is controlled by the Hotend negative via PID. The Fans and LEDs are
also controlled by the ground side so to turn on fans or LEDs simply give
the corresponding pin a ground.

Connection method B - 8, 22awg wires required.
Allows control of LED ring and one fan - OR - 2 fans and no LED

Connect to Hotend Negative   18 awg   22 awg
                                         22 awg
                                    6 12
                                    5 11   22 awg   FAN 1 ground
                                    4 10
Connect to Hotend positive   18 awg   22 awg
                                    3   9   22 awg   Connect to thermistor input
                                    2   8   22 awg   Connect to thermistor input
                                    1   7   22 awg   LED Negative, connect to a ground
                                         22 awg   to turn on part LED's
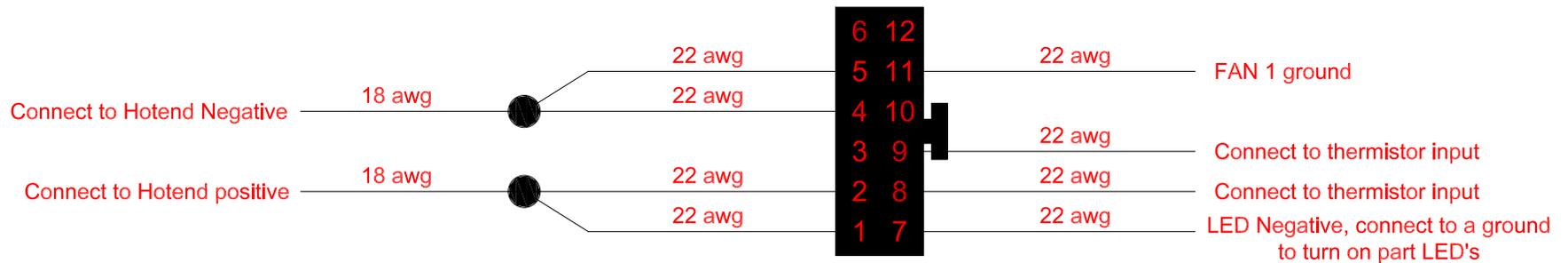
Connection method C - 8, 22awg wires required.
Allows control of Fan 1 from RAMBo LED ring and fan 2 always ON

Connect to Ground   22 awg
                                         22 awg
                                    6 12
                                    5 11   22 awg   FAN 1 ground
Connect to Hotend Negative   18 awg   22 awg
                                    4 10
                                    3   9   22 awg   Connect to thermistor input
Connect to Hotend positive   18 awg   22 awg
                                    2   8   22 awg   Connect to thermistor input
                                    1   7
                                         22 awg

Solder a jumper wire from the LED and FAN2
ground side (black) to the AUX solder pad number 6