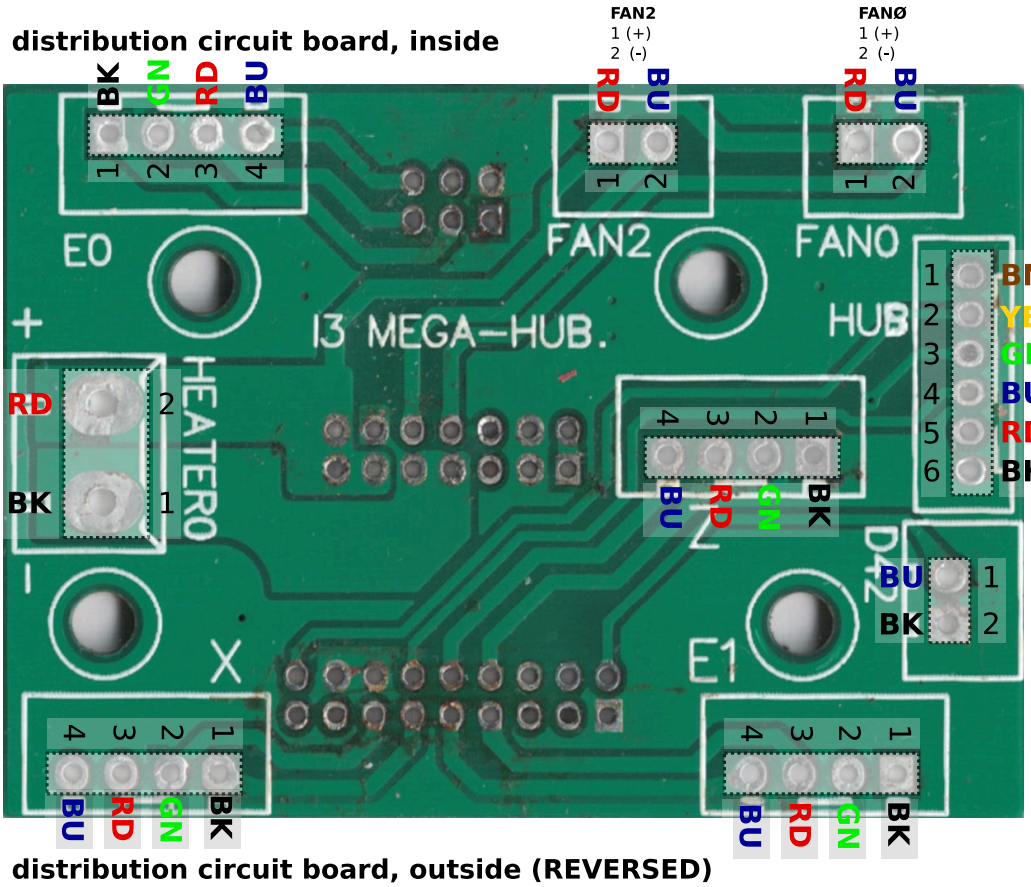
ANYCUBIC I3 MEGA
distribution and printhead circuit board
reverse engineering

Attribution: CC BY 2.0
Marc Nijdam (2019)

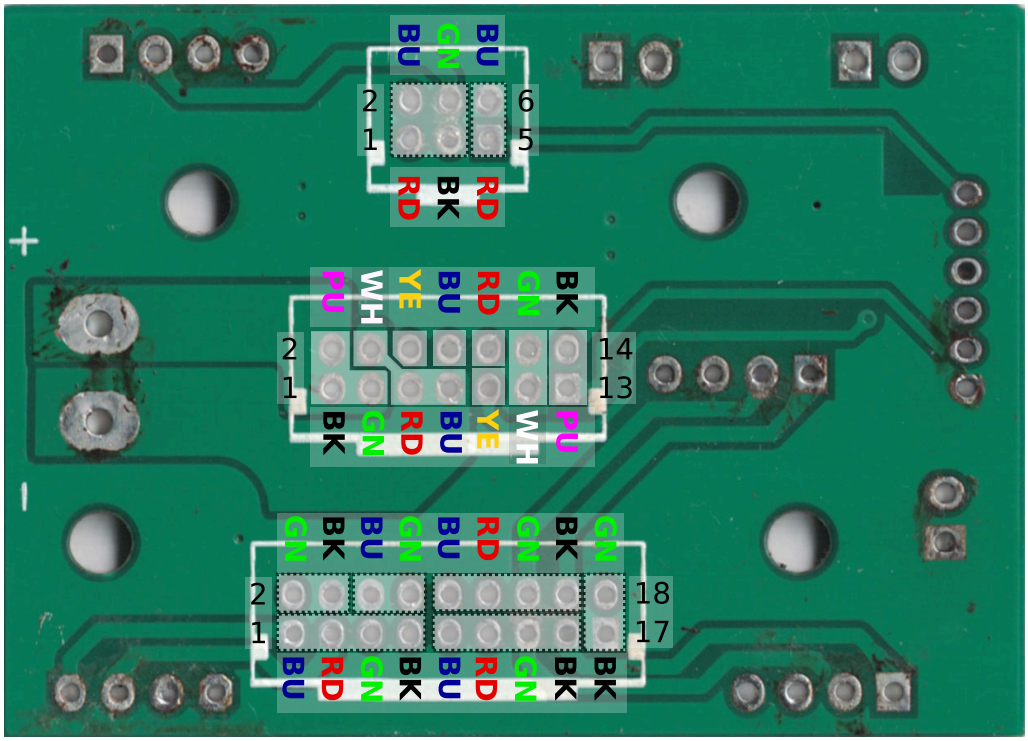
distribution circuit board, inside



HUB
1 filament endswitch
2 Z endswitch-R
3 BLTouch->D2
4 X endswitch
5 extruder temperature sensor
6 extruder temperature sensor

D42
1 Z endswitch-L
2 GND reference

distribution circuit board, outside (REVERSED)

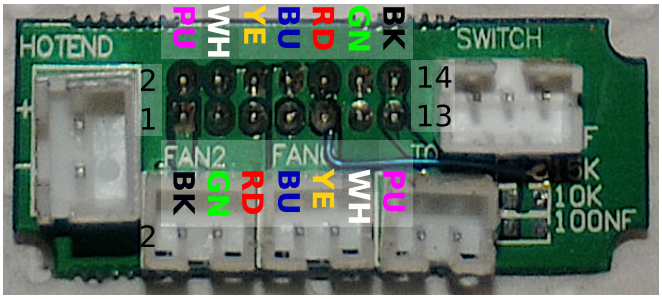


FILAMENT STEPPER
1
2
3
4
FILAMENT ENDSWITCH
5
6

HEATERØ
1,2,3 (+)
4,5,7 (-)
FAN
6 (-) FAN2
8 (-) FANØ
GND
11+12 GND reference
TEMPERATURE SENSOR
13+14 temperature sensor - A
(NC)
9 BLTouch -> D2 trigorilla board
10 NC

STEPPER
1,3,5,7 X stepper
9,11,13,15 Z stepper-L
10,12,14,16 Z stepper-R
ENDSWITCH
2 Z endswitch-R signal
4 Z endswitch-R GND
6 X endswitch signal
8 X endswitch GND
17 Z endswitch-L GND
18 Z endswitch-L signal

printhead circuit board, bottom



HEATERØ
1,2,3 (+)
4,5,7 (-)
FAN
6 (-) FAN2
8 (-) FANØ
GND
11+12 GND reference
TEMPERATURE SENSOR
13+14 temperature sensor - A
(NC)
9 BLTouch -> D2 trigorilla board
10 NC