



3D PRINTER

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TITLE: Robin Nano motherboard diagram and error code.

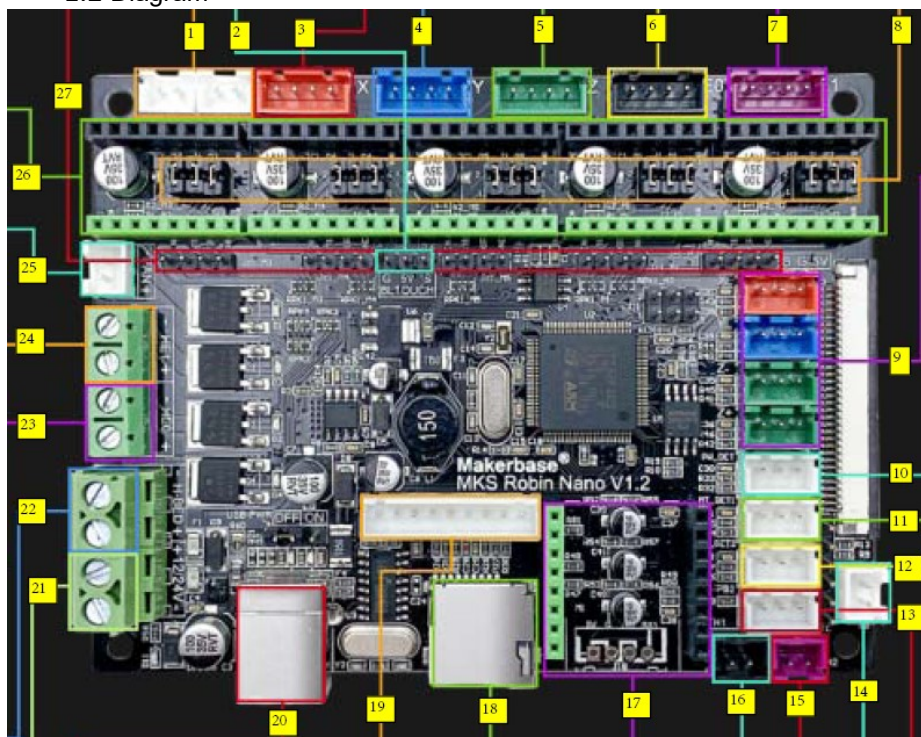
INITIATE BY: Manolo
APPROVED BY: Gary Chen

1.0 Motherboard information.

1.1 Firmware on Github:

<https://github.com/makerbase-mks/MKS-Robin-Nano>

1.2 Diagram



1. 12/24v export
2. BL touch
3. X axis motor
4. Y axis motor
5. Z axis motor
6. Extruder 1 motor
7. Extruder 2 motor
8. Jumper
9. x,y,z End stop switch
10. Power failure sensor
11. Filament sensor 1
12. Filament sensor 2
13. Auto turn off when finish
14. Bed thermistor
15. Extruder 2 thermistor
16. Extruder 1 thermistor
17. Wifi module socket
18. TF card
19. Extra SD card socket
20. Printer connector
21. Input power
22. Bed heating
23. Extruder 1 heater
24. Extruder 2 heater
25. Filament cooling fan
26. x,y,z,E motor driver socket

3.2 Error code meaning.

Code	Indication	Solution
Err1	Bed temperature exceed max limit	Check bed thermistor short
Err2	extruder temperature exceed max limit	Check extruder thermistor short
Err3	Bed temperature exceed Min limit	No signal,check bed thermistor connection.
Err4	Extruder temperature exceed Min limit	No signal,check extruder thermistor connection
Err5	Extruder heating failed, can not reach target Tem	Check heater connector.
Err6	Bed heating failed, can not reach target Tem	Check bed cable connection
Err7	Heating exceed setting limit	Check thermistor or PID setting

4.0 Initiate by Manolo13th Nov 2020