



Electronics Card Stack order. (top to bottom)

- Signal hat
- SB2 – Servo hat, I2C address 0x42
- SB1 – Servo hat, I2C address 0x41
- PP2 – Sensor hat, I2C address 0x22, 0x23
- PP1 – Sensor hat, I2C address 0x20, 0x21
- Raspberry Pi 3 Model B

Micro SD Card

GPIO 2x20

Right angle HDMI connector used to pass video cable through hole in mainboard to monitor.

Right angle 3.5mm connector used to pass stereo audio cable through hole in mainboard to amp/speaker unit. Alternately, a blue tooth amp/speaker unit could be paired with the RRI to eliminate the stereo cable.

Capicitors SB1 through SB4 filter servo voltage. Each servo board uses a seperate 5 volt supply.

Capacitor SB5 filters the 12 volt sound module voltage. 12 volts is also used for panel mounted holdover LEDs.

Capacitors SB6 and SB7 provide additional filtering for +5 sensor voltage.

Details component positions on mainboard.

Sheet: /	
File: Mainboard.sch	
<b>Title: DnB Mainboard Component Placement</b>	
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