Bill of Materials: Vaccine Demo Schematic.fzz

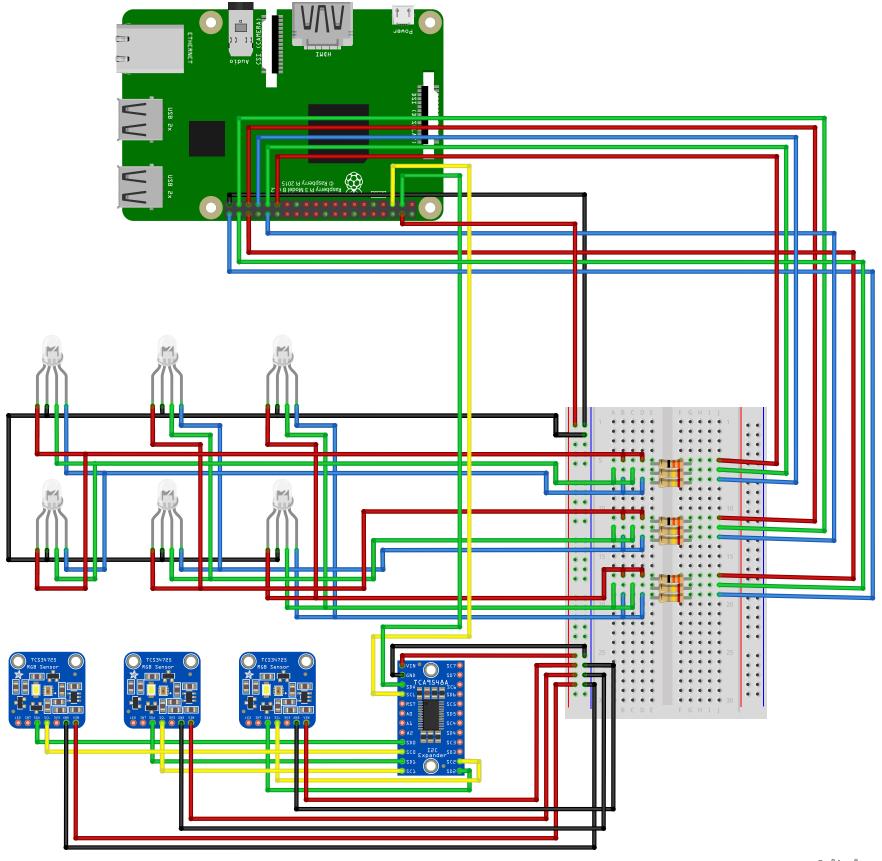
Tuesday, February 16 2021, 22:09:38

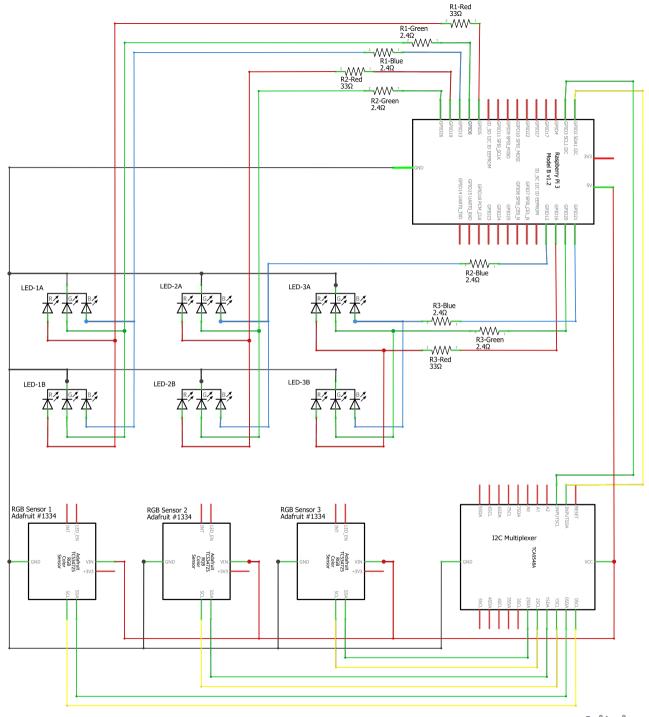
Assembly List

| Label | Part Type | Properties |
|-----------------|------------------------------------|---|
| I2C Multiplexer | Adafruit TCA9548A | variant 1 |
| LED-1A | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| LED-1B | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| LED-2A | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| LED-2B | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| LED-3A | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| LED-3B | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| R1-Blue | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| R1-Green | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| R1-Red | 33Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 33 Ω |
| R2-Blue | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| R2-Green | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| R2-Red | 33Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 33 Ω |
| R3-Blue | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| R3-Green | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| R3-Red | 33Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 33 Ω |
| Raspberry Pi 1 | Raspberry Pi 3 | revision RPI-3-V1.2; processor Broadcom BCM2837 64-bit ARMv8; variant Raspberry Pi 3; part # RPI-3-V1.2 |
| RGB Sensor 1 | Adafruit TCS34725 RGB Color Sensor | variant variant 2; part # Adafruit #1334 |
| RGB Sensor 2 | Adafruit TCS34725 RGB Color Sensor | variant variant 2; part # Adafruit #1334 |
| RGB Sensor 3 | Adafruit TCS34725 RGB Color Sensor | variant variant 2; part # Adafruit #1334 |
| | | |

Shopping List

| Amount | Part Type | Properties |
|--------|------------------------------------|---|
| 1 | Adafruit TCA9548A | variant 1 |
| 6 | RGB LED (com. cathode, rgb) | package 5 mm [THT]; pin order rgb; rgb RGB; polarity common cathode |
| 6 | 2.4Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 2.4 Ω |
| 3 | 33Ω Resistor | tolerance $\pm 5\%$; package 0805 [SMD]; resistance 33 Ω |
| 1 | Raspberry Pi 4 | revision RPI-4-V1.2; processor Broadcom BCM2837 64-bit ARMv8; variant Raspberry Pi 4; part # RPI-3-V1.2 |
| 3 | Adafruit TCS34725 RGB Color Sensor | variant variant 2; part # Adafruit #1334 |





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