Bill of Materials: Vaccine Demo Schematic.fzz
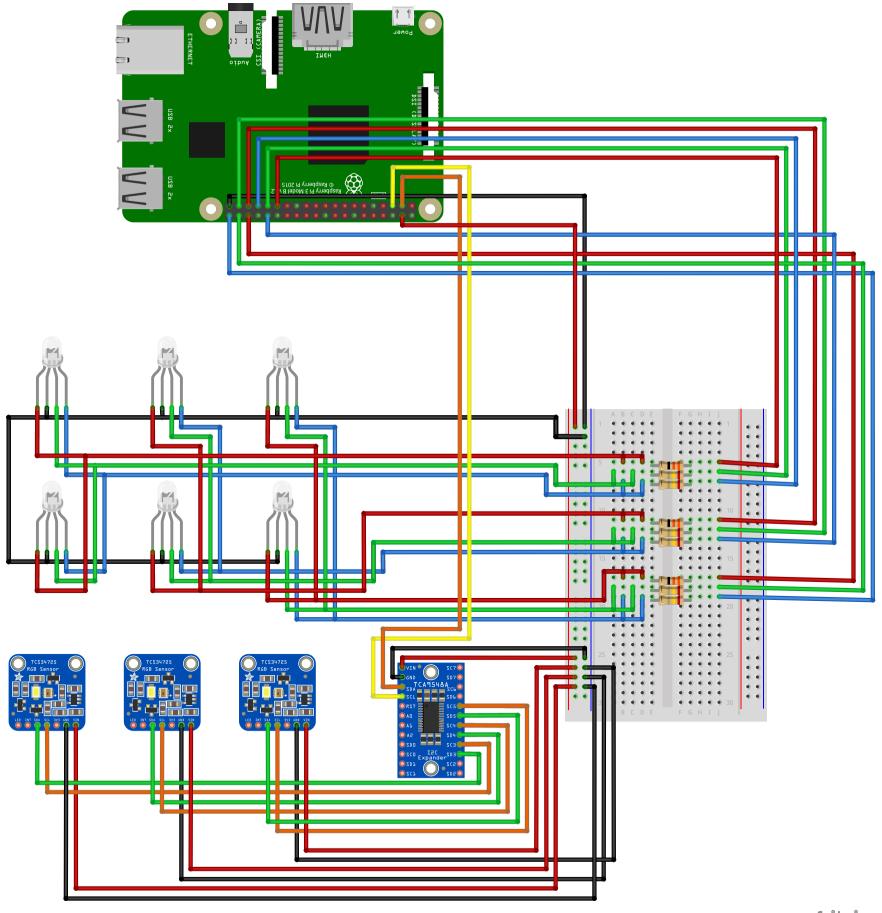
Tuesday, February 16 2021, 22:09:38
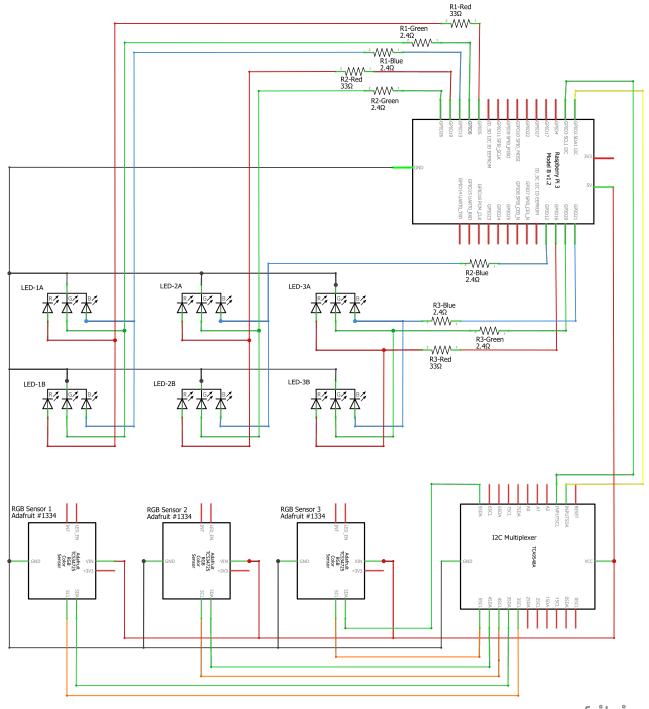
Assembly List

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 ±5%; package 0805 [SMD]; resistance 2.4Ω
R1-Green	2.4Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 2.4Ω
R1-Red	33Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 33Ω
R2-Blue	2.4Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 2.4Ω
R2-Green	2.4Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 2.4Ω
R2-Red	33Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 33Ω
R3-Blue	2.4Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 2.4Ω
R3-Green	2.4Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 2.4Ω
R3-Red	33Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 33Ω
Raspberry Pi	Raspberry Pi 4	revision RPI-4-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 ±5%; package 0805 [SMD]; resistance 2.4Ω
3	33Ω Resistor	tolerance ±5%; package 0805 [SMD]; resistance 33Ω
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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