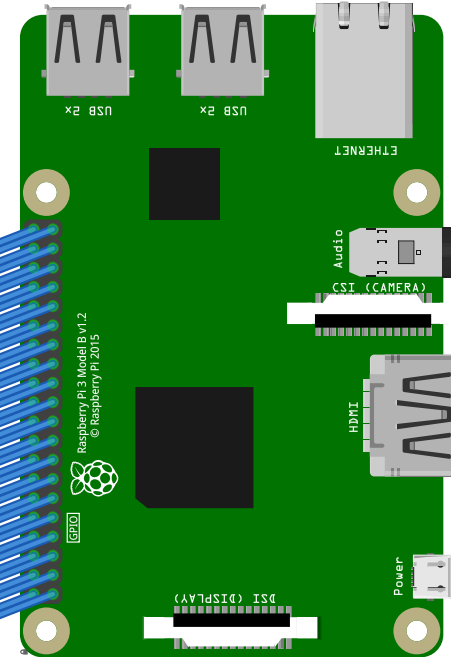
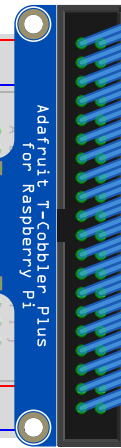
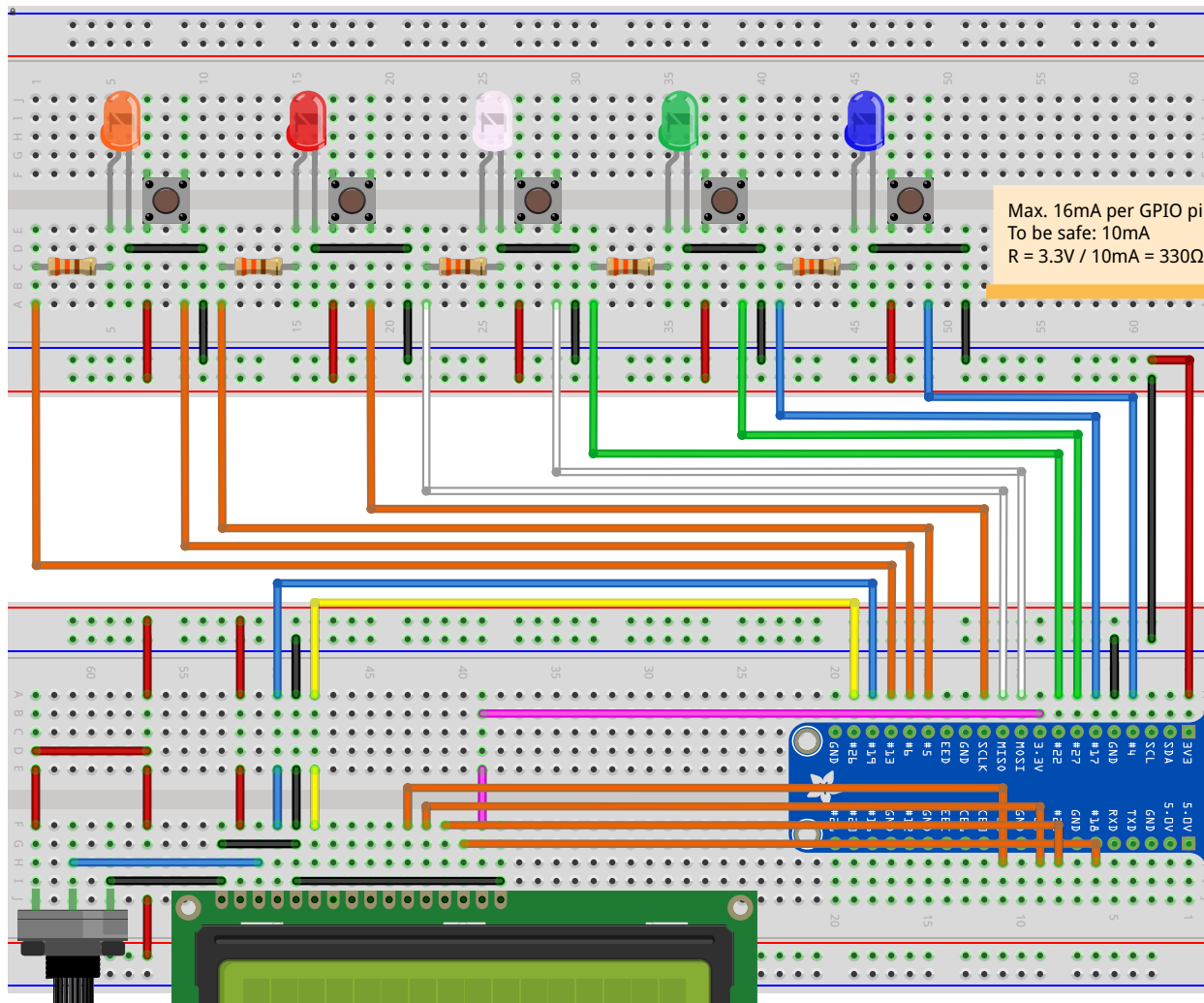


Max. 16mA per GPIO pin
To be safe: 10mA
 $R = 3.3V / 10mA = 330\Omega$



Raspberry Pi 1
RPI-3-V1.2

R3
10kΩ

LCD1
LCD1602