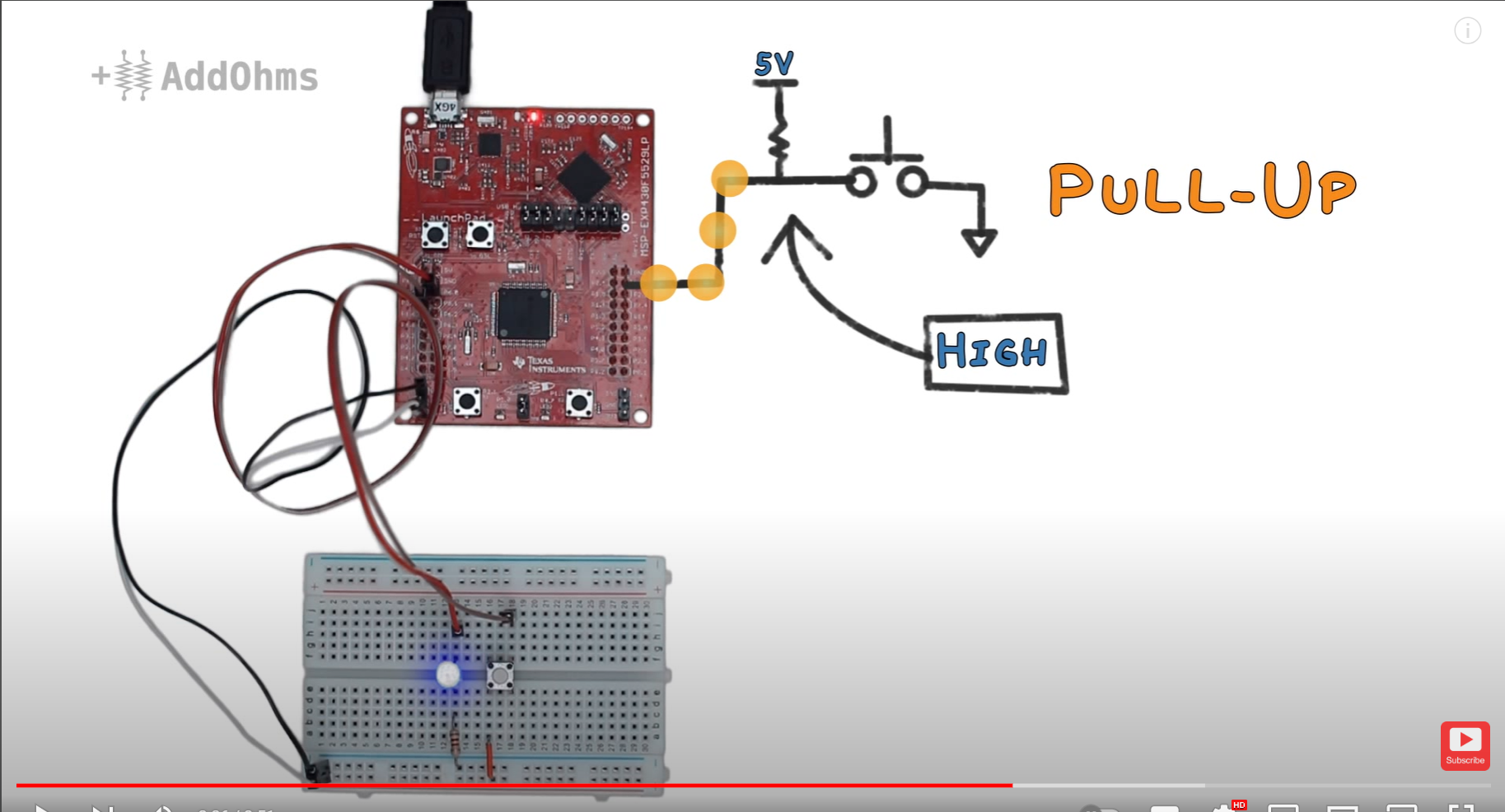
They are built in Arduino, but if they weren’t then



Without this resistor the switch would randomly be off or on because of the EM noise of 60Hz in the room.