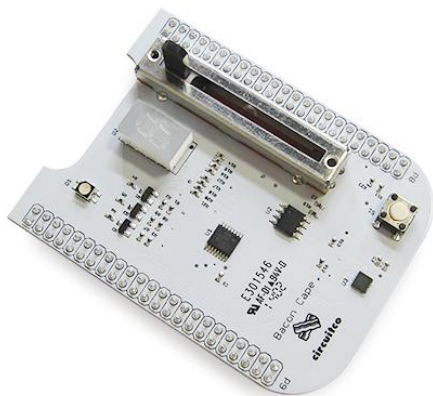


CircuitCo:Bacon Cape

Description



General Information

The Bacon Cape is an accessory board design to be used with the BeagleBone Black or original BeagleBone (aka White). The Bacon Cape was designed to provide hardware examples of some of the basic input/output features of the BeagleBone products.

Features

- PWM controlled Red/Green/Blue LED
- GPIO Output controlled 7 Segment LED display (Requires DT overlays pin 87 44e1095c gpio0[4], pin 86 44e10958 gpio0[5])

BBB Header	Pin	Mem	GPIO
P9_17	pin 87	44e1095c	gpio0[5]
P9_18	pin 86	44e10958	gpio0[4]

- ADC input using a variable resistor slider potentiometer
- GPIO input using a button

Components

- Triple axis accelerometer MMA8452Q for Rev A Version
- Single tricolored through-hole RGB LED for DW Version
- Single tricolored surface mount RGB LED for Rev A Version
- 74HC595 Serial Shift Register
- 7 Segment Display for DW Version

- 7 Segment Displayfor RevA Version
- 10k Slider Potentiometer
- NPN Transistor MMBT2222A
- Button