# Chapter 8: WICED Academy Shield

## Description

## Features

### PSoC4 (Analog coprocessor)

### LEDs

### CapSense

### PIR

### ALS

### I2C -> Ardunio pins

### Buzzer -> Ardunio pin

### Arudino pins

### Buzzer (on the PSoC and On the Dx pin)

### Thermistor (on the PSoC as Differential + on an Ax pin)

### I2C -> WICED

### UART -> WICED

### WICED device

### LEDs

### I2C --> PSOC

### UART --> WICED

### Cypress SPI NOR flash (WICED SPI)

## Schematic