

Appendix C: Components Pinout

```
#ifndef SPECIAL_PINS_H
#define SPECIAL_PINS_H

#define BUTTON_0_PIN      0    // Boot Button

#define BUTTON_1_PIN      1    // Button 1
#define BUTTON_2_PIN      41   // Button 2
#define BUTTON_3_PIN      39   // Button 3
#define BUTTON_4_PIN      2    // Button 4
#define BUTTON_5_PIN      40   // Button 5
#define BUTTON_6_PIN      38   // Button 6

#define DIP_SWITCH_1_PIN  15   // DIP Switch 1
#define DIP_SWITCH_2_PIN  7    // DIP Switch 2

#define STATUS_LED_PIN    4    // Onboard green status LED

#define TEMPERATURE_PIN   5    // Onboard temperature sensor

#define IR_RECEIVER_PIN   43   // Infrared Receiver

#define POWER_STATUS_PIN  42   // Power Flag of 5V USB Power Regulator

#define LED_OUT_1_PIN     16   // LED Data Output 1
#define LED_OUT_2_PIN     17   // LED Data Output 2
#define LED_OUT_3_PIN     18   // LED Data Output 3
#define LED_OUT_4_PIN     8    // LED Data Output 4

#define MISO_PIN          13   // SPI MISO
#define MOSI_PIN          11   // SPI MOSI
#define SCK_PIN           12   // SPI SCK
#define SS_PIN            9    // SPI SS

#define SD_CARD_DETECT_PIN 10   // SD Card Detect

#define SDA_PIN           21   // I2C SDA
#define SCL_PIN           14   // I2C SCL

#define EEPROM_ADDRESS    0x50 // I2C EEPROM Address

#endif // SPECIAL_PINS_H
```