CY8CPROTO-062-4343W PSoC 6 Wi-Fi BT Prototyping Kit

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Drawing Numbers	
PCBA	121-60537-01
PCB	600-60537-01
FAB DRW	610-60537-01
ASSY DRW	620-60537-01
SCH DRW	630-60537-01

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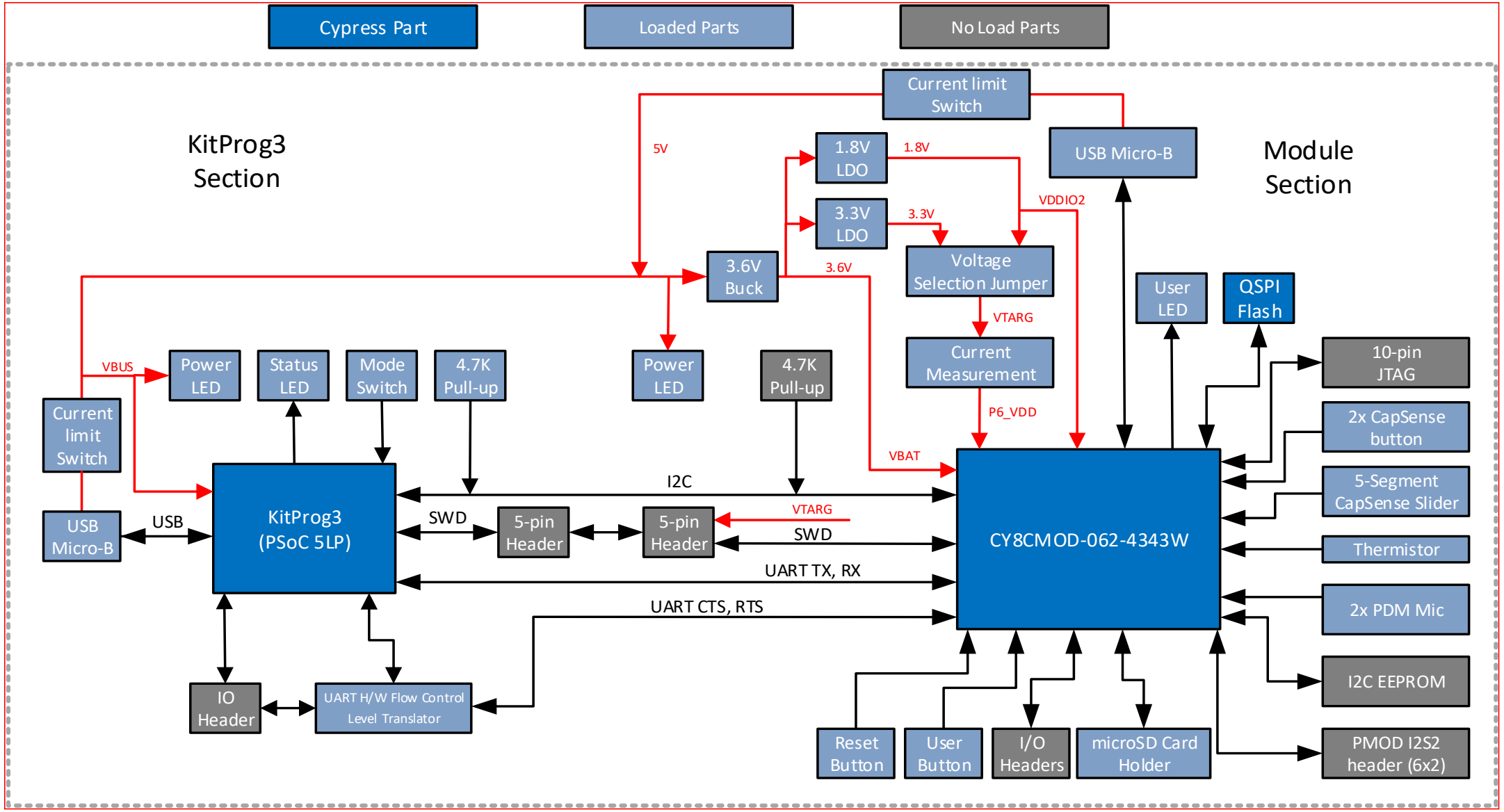
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SCH Title : PSoC 6 Wi-Fi BT Prototyping Kit

Page Title : Title Page

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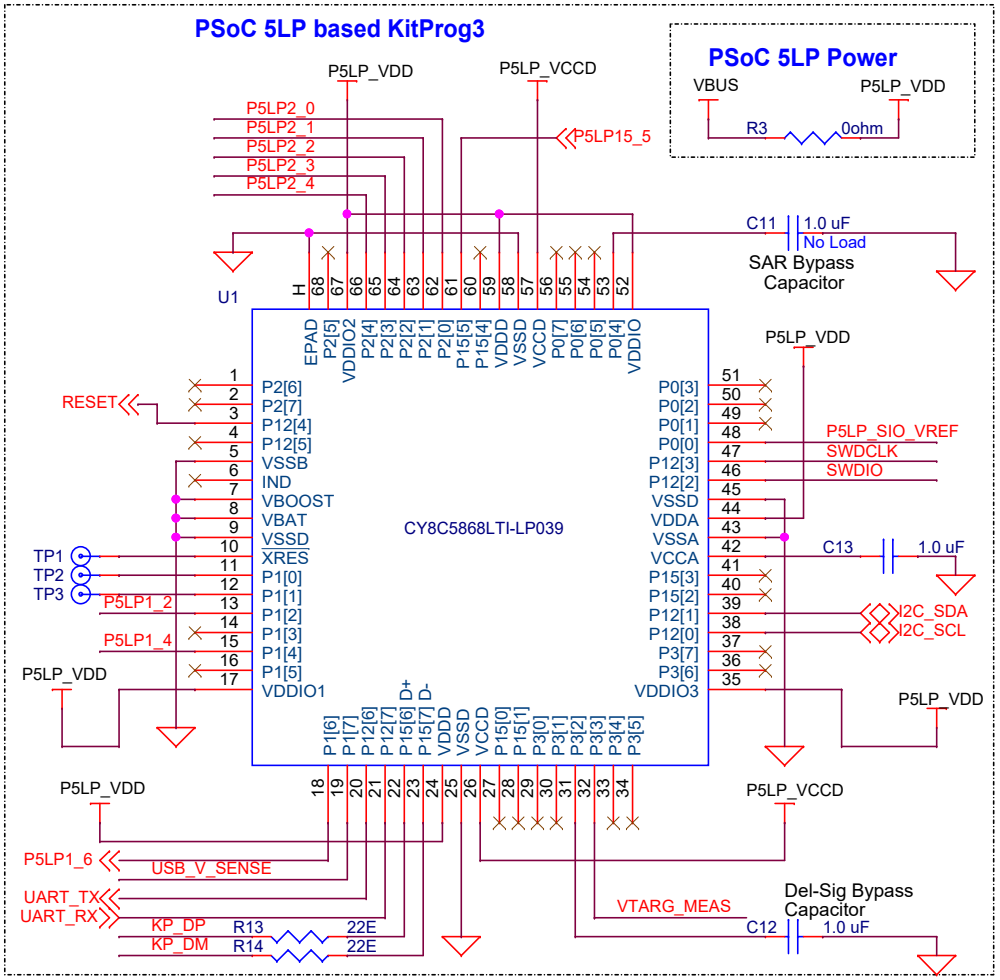
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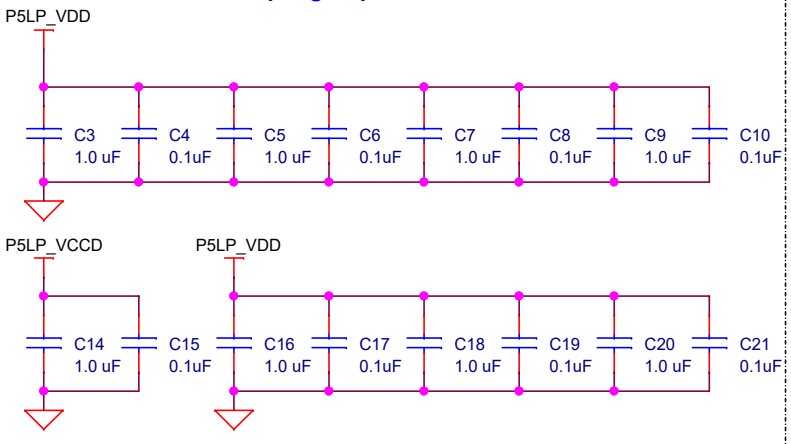
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PSoC 5LP based KitProg3

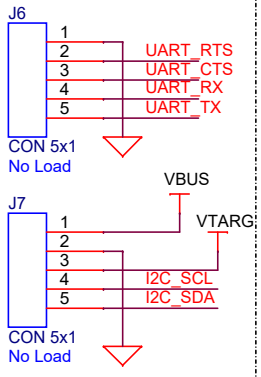


PSoC 5LP Power

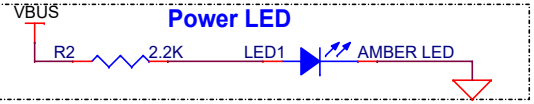
Decoupling Capacitors



KitProg3 I/O Connectors



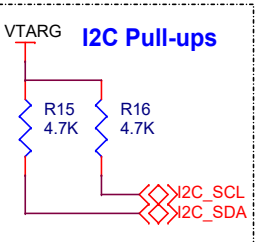
Power LED



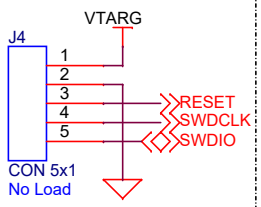
KitProg3 Status LED



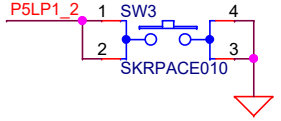
I2C Pull-ups



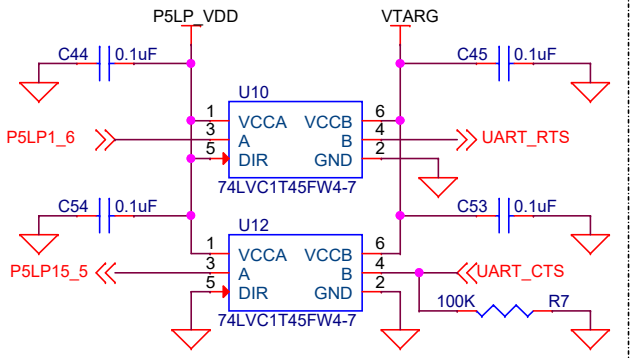
Target Program/Debug Connector



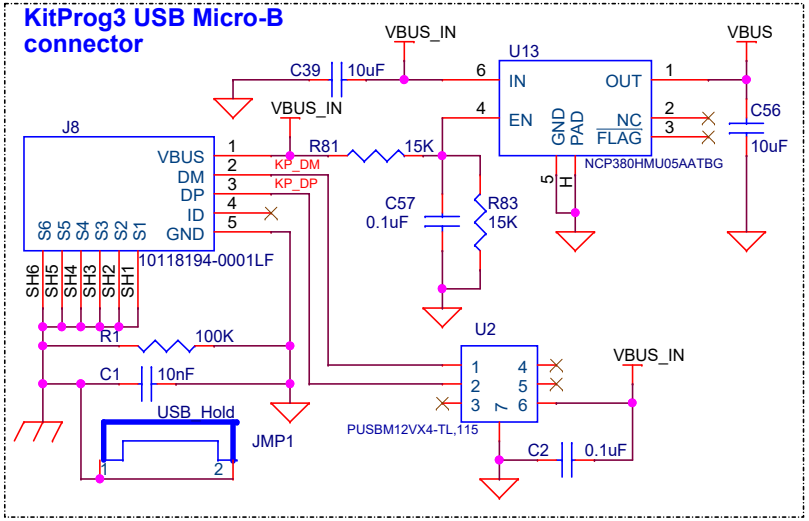
Mode Switch



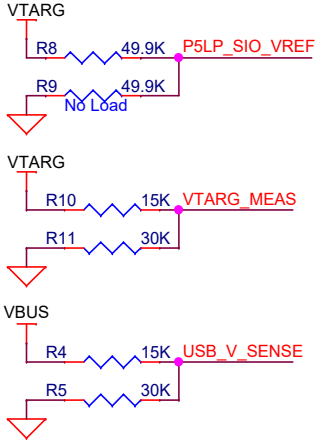
UART H/W Flow Control Level Translator



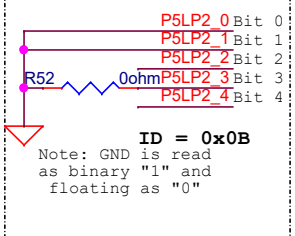
KitProg3 USB Micro-B connector



Voltage Monitoring



KitProg3 HW Revision



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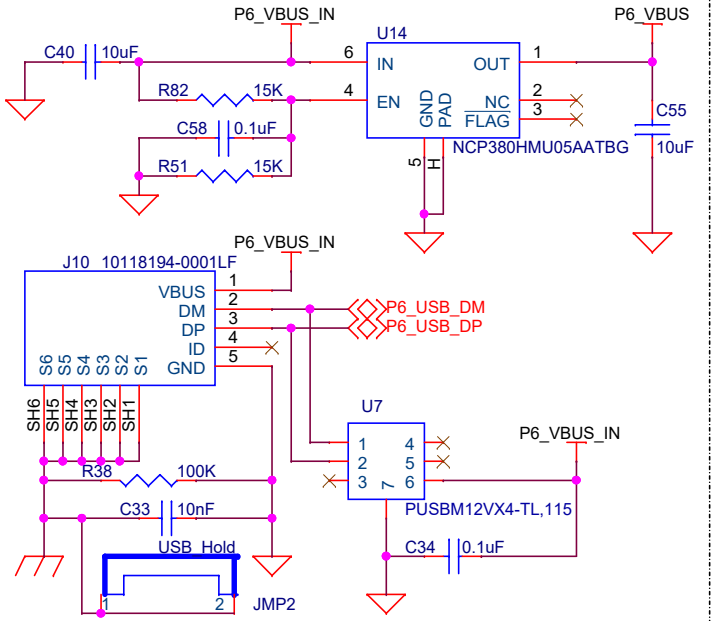
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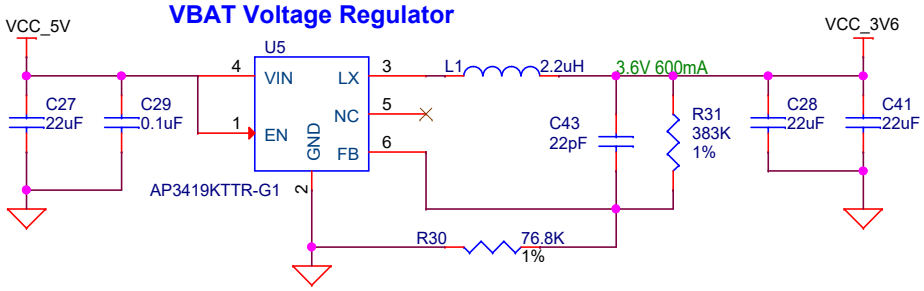
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PSoC 6 MCU USB Device Micro-B connector

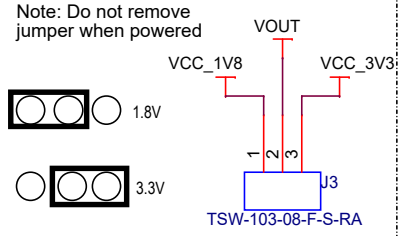


VBAT Voltage Regulator

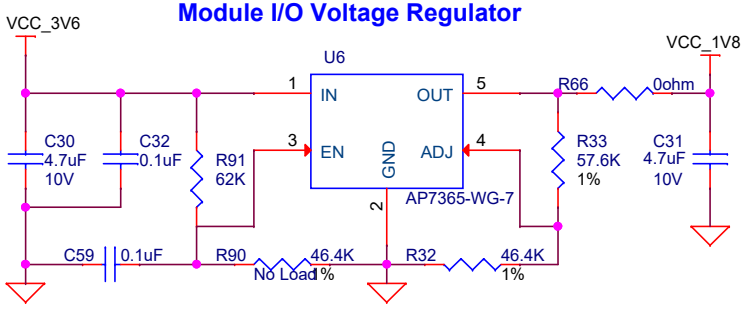


System Power Selection Jumper

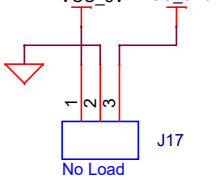
Note: Do not remove jumper when powered



Module I/O Voltage Regulator

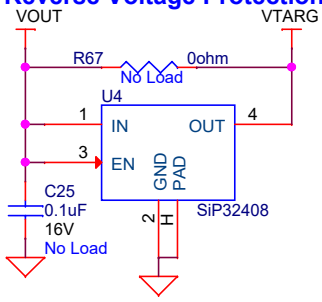


Input Supply Header

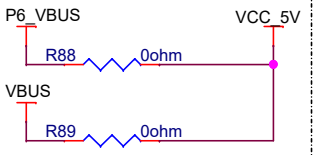


Note: Remove L1 to disable on-board supply.

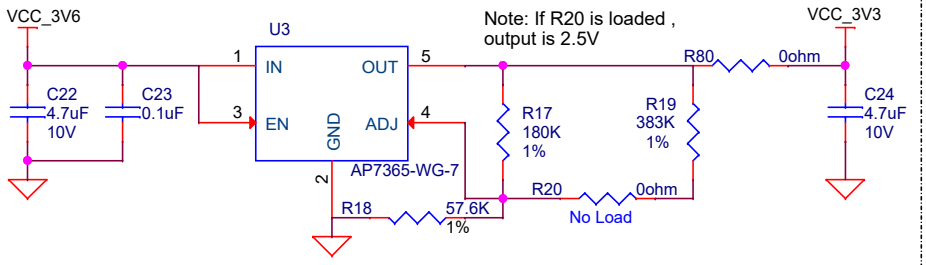
Reverse Voltage Protection



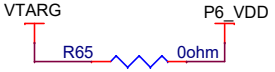
Input Supply



Module Variable Voltage Regulator



Current Measurement



Note: Remove R65 to measure PSoC 6 MCU current across VTARG and P6_VDD

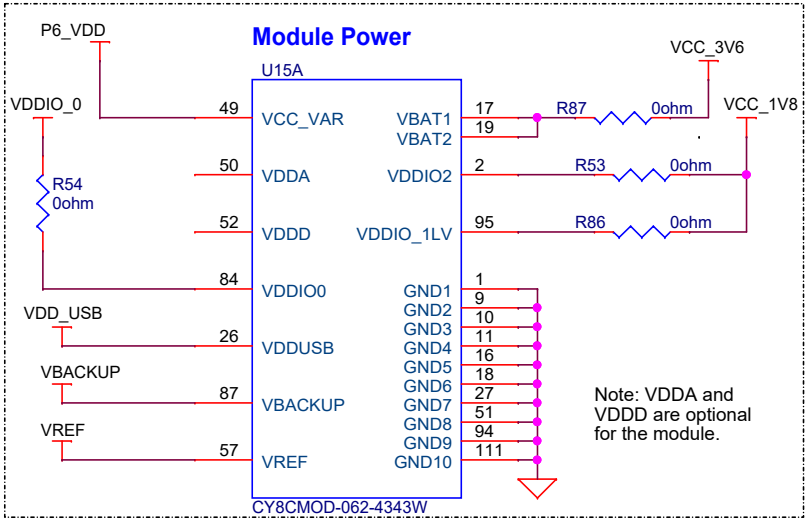
Module Power LED



Backup Voltage

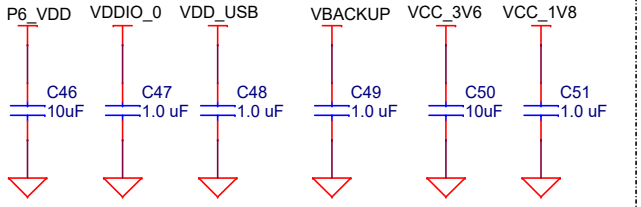


Module Power

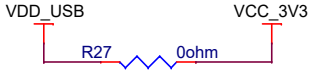


Note: VDDA and VDDD are optional for the module.

Decoupling Capacitors



PSoC 6 MCU USB Voltage



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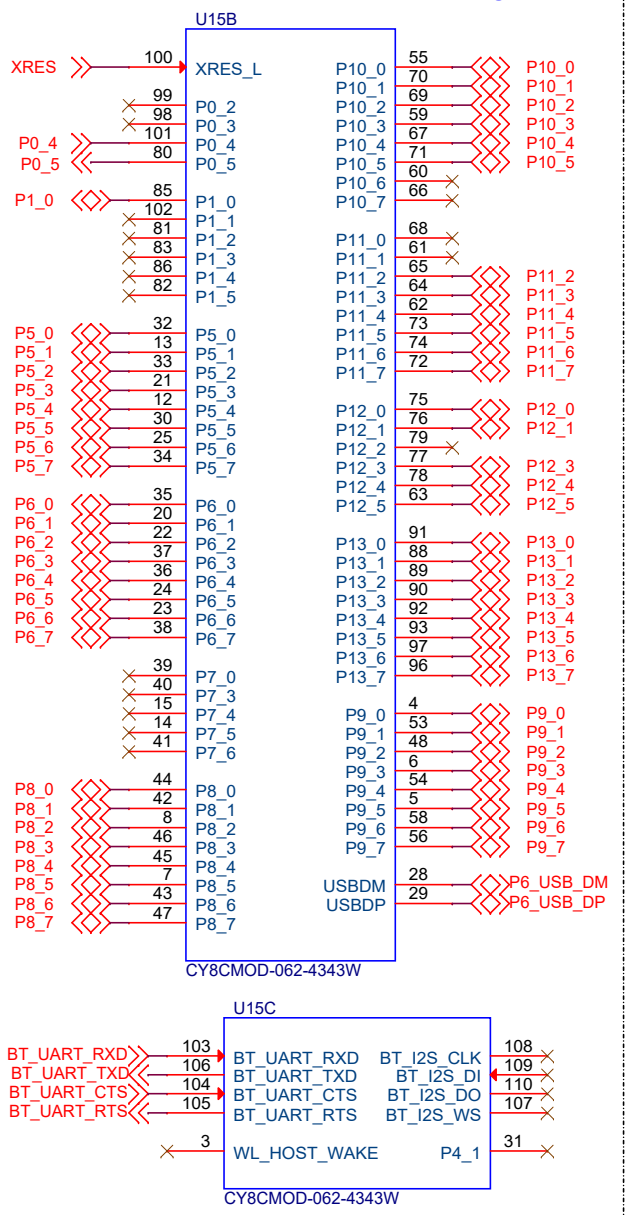
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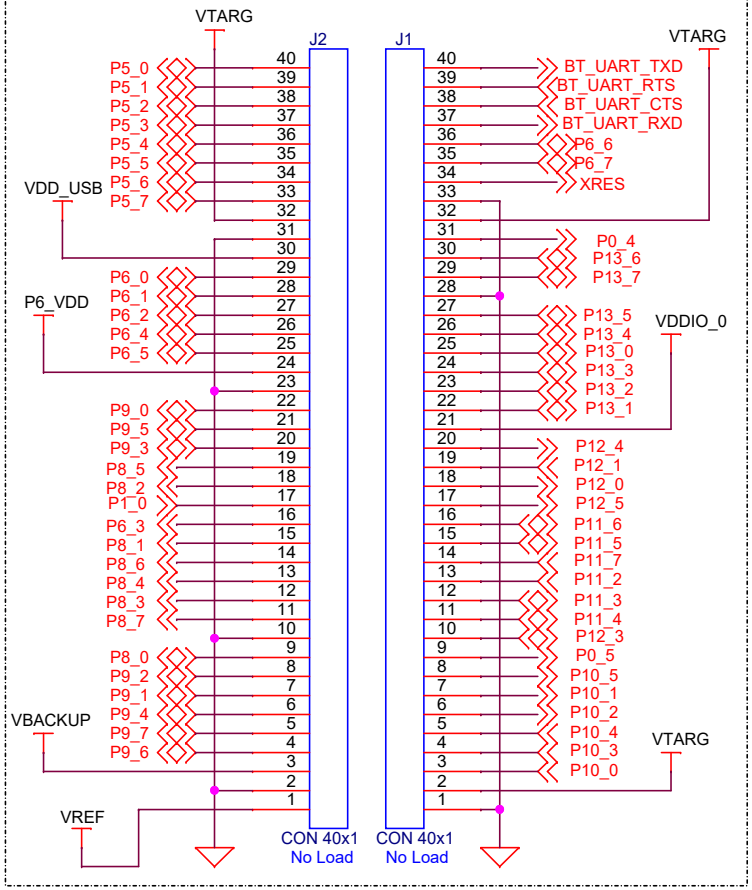
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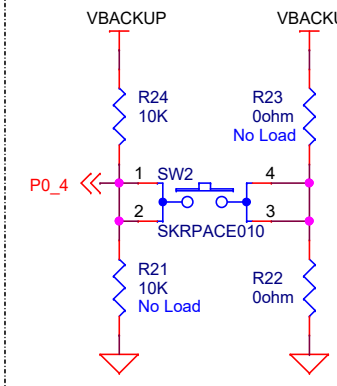
CY8CMOD-062-4343W Module Signals



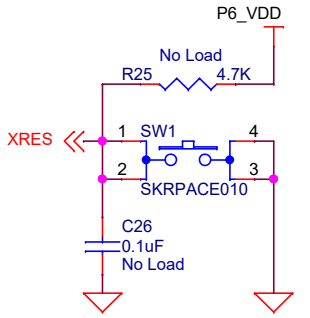
PSoC 6 MCU I/O Headers



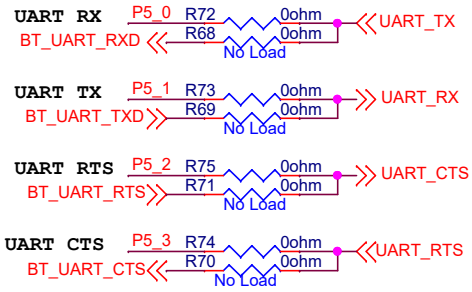
User Button / Hibernate Wakeup



Reset Button

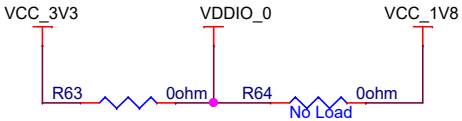


UART with H/W Flow Control

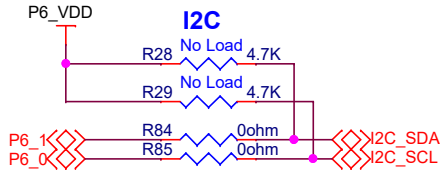


Note: BT UART will only work when J3 is at 1.8V position. 3.3V will damage the device

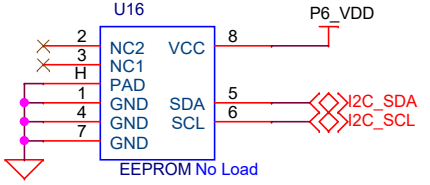
VDDIO_0 Voltage Selection



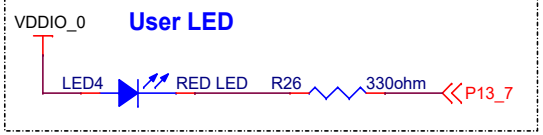
I2C



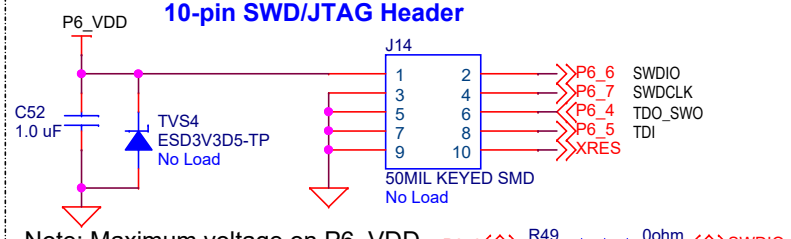
I2C EEPROM



User LED



10-pin SWD/JTAG Header



Note: Maximum voltage on P6_VDD is 3.6V. Supplying 5V through the 10-pin header will permanently damage the device

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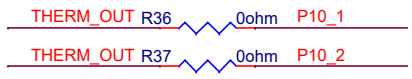
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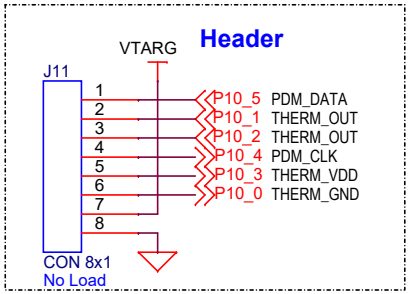
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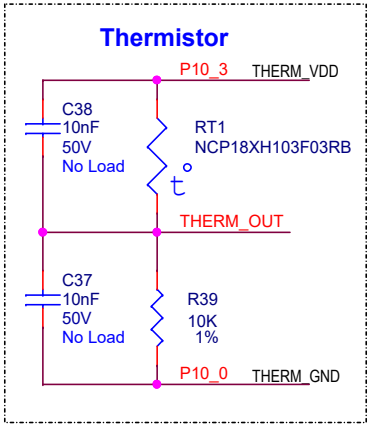
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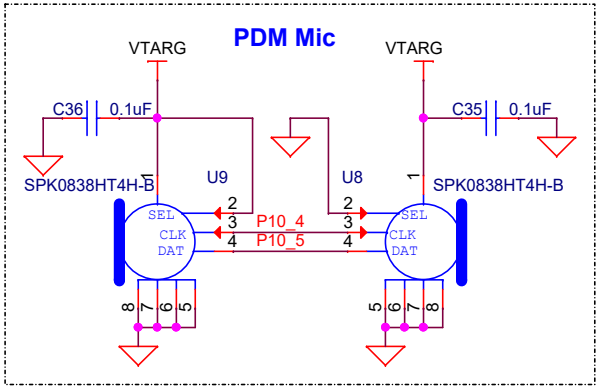
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Thermistor and PDM Mic Section

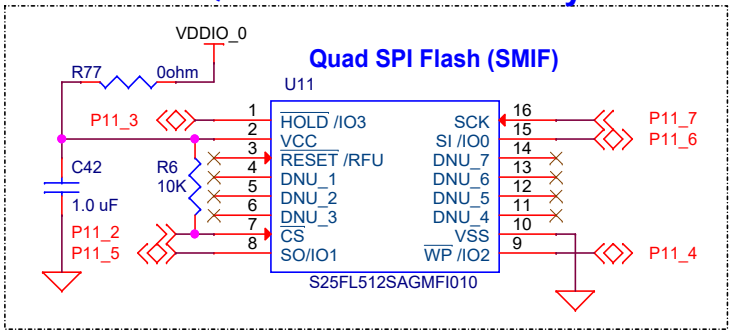


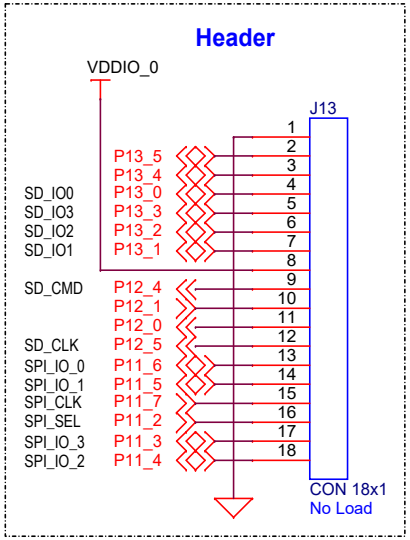


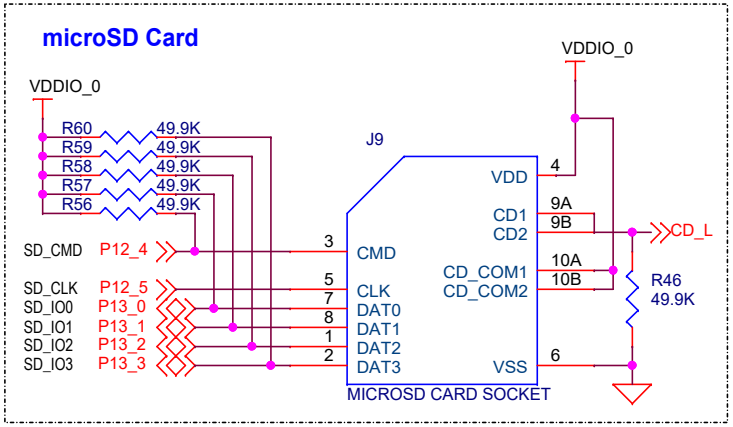


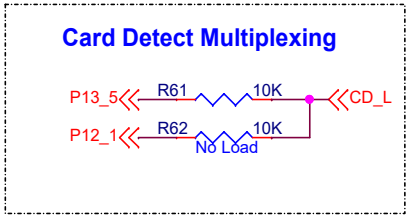


Quad SPI Flash Memory and microSD Card Section

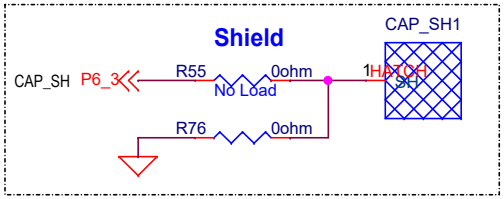


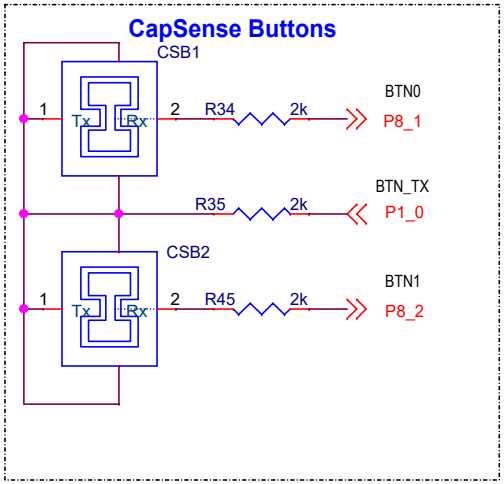


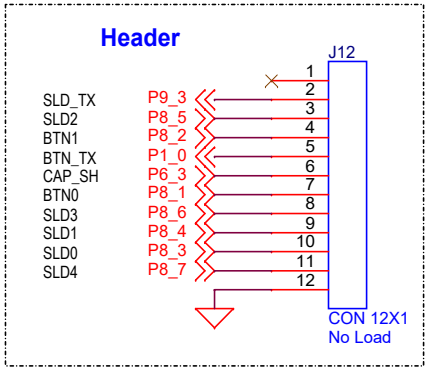


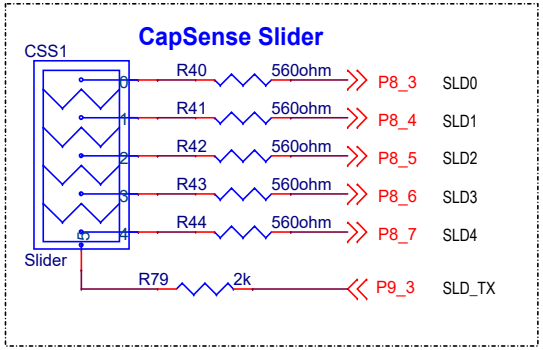


CapSense Section

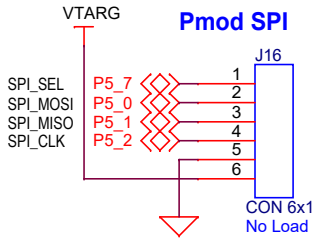


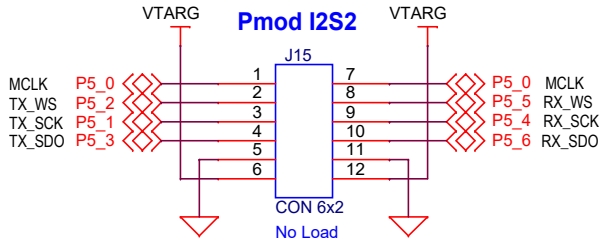


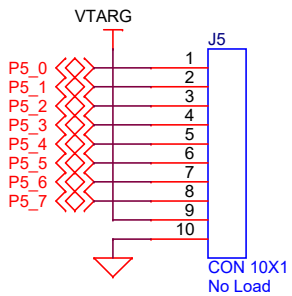




Pmod Header Section







Note: Pmod I2S2 will only work when VTARG is 3.3V

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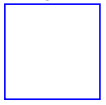
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Accessories

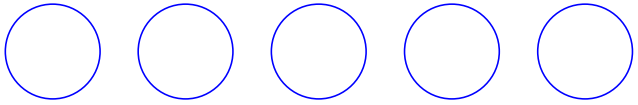
PCBA label

LBL PCA Label



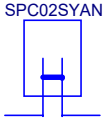
Bumper

RBS-27 RBS-27 RBS-27 RBS-27 RBS-27



Jumper Shunt

SPC02SYAN

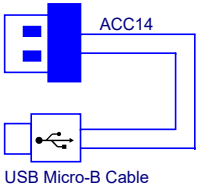


Acrylic Overlay

Acrylic Overlay

Color: Clear, Transparent
Finish: Matt

L = 89.26mm
W = 20.62mm
Thickness = 1mm



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SAN JOSE, CA 95134
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Page Title : Accessories				
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REVISION HISTORY

REV	DESCRIPTION OF CHANGE	DATE
01	Initial Internal release	2018/08/13
02	Initial release	2018/08/21

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