

CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit

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Drawing Numbers

PCBA	121-60607-01
PCB	600-60607-01
FAB DRW	610-60607-01
ASSY DRW	620-60607-01
SCH DRW	630-60607-01

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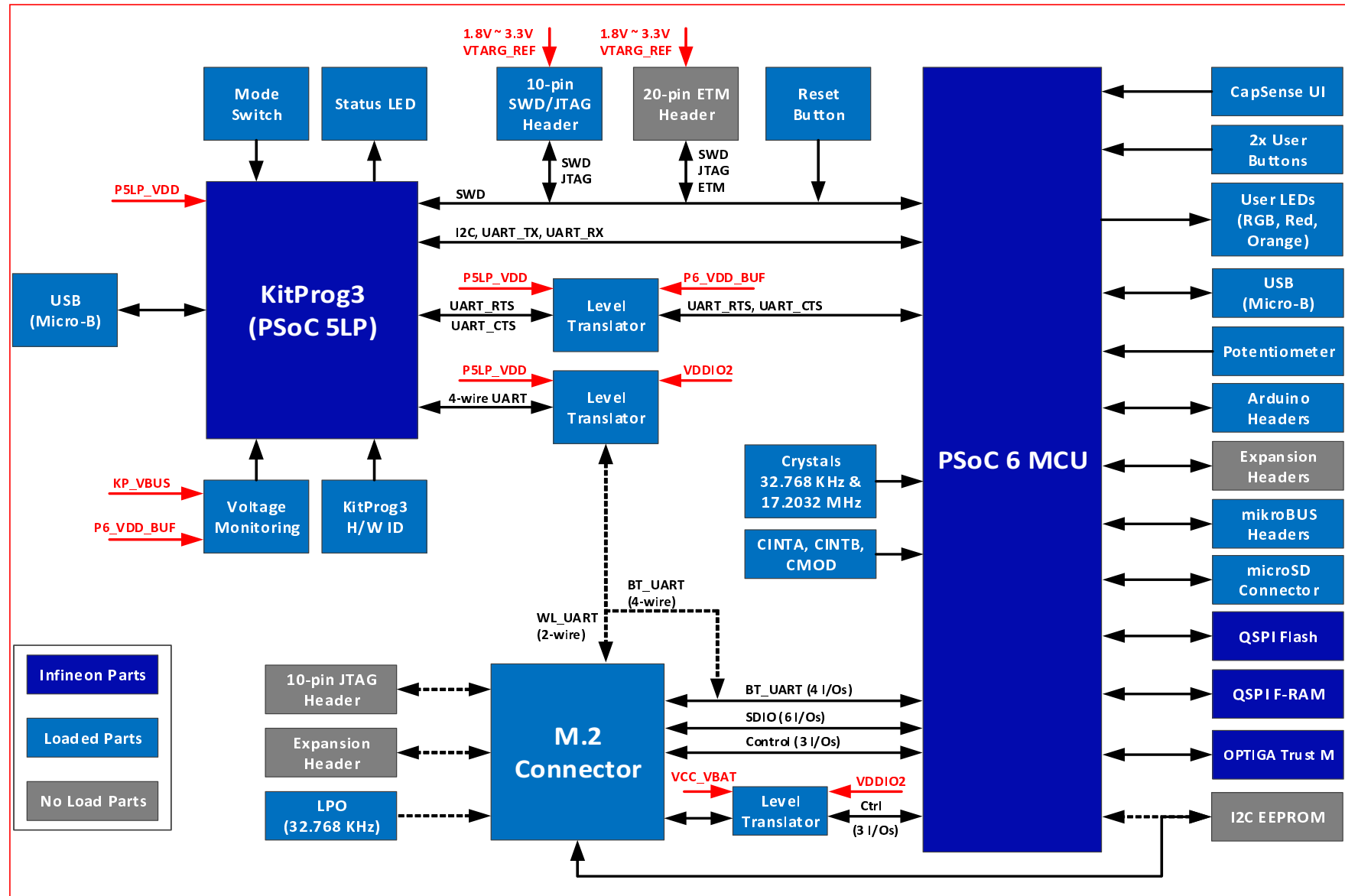


SCH Title : CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit

Page Title: Title Page

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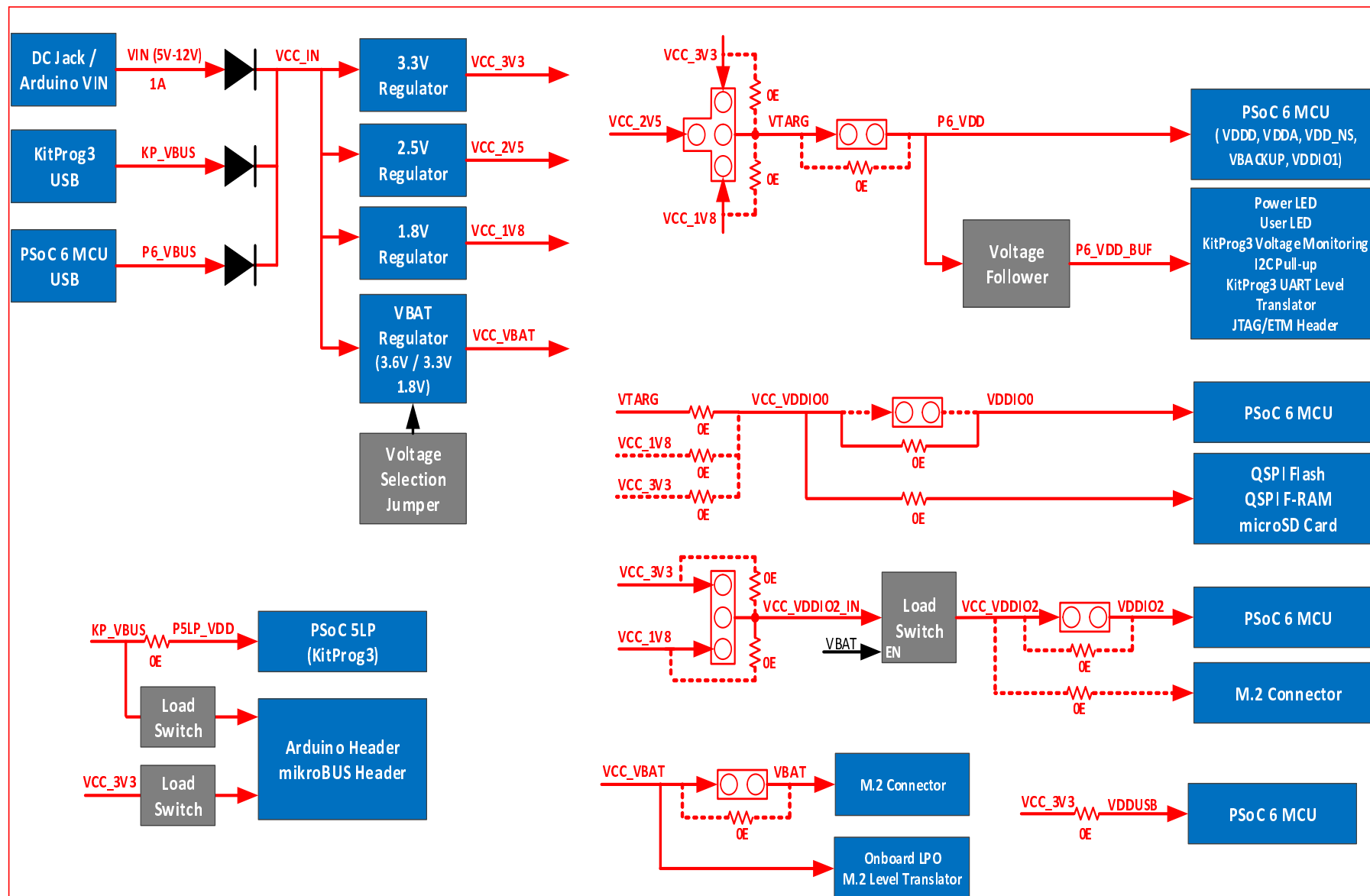
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SCH Title : CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit

Page Title: Functional Block Diagram

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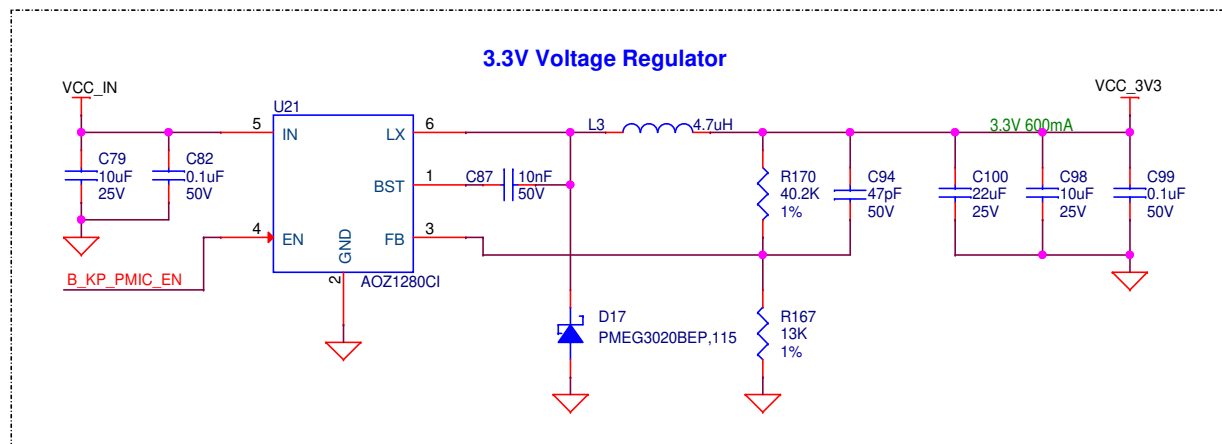
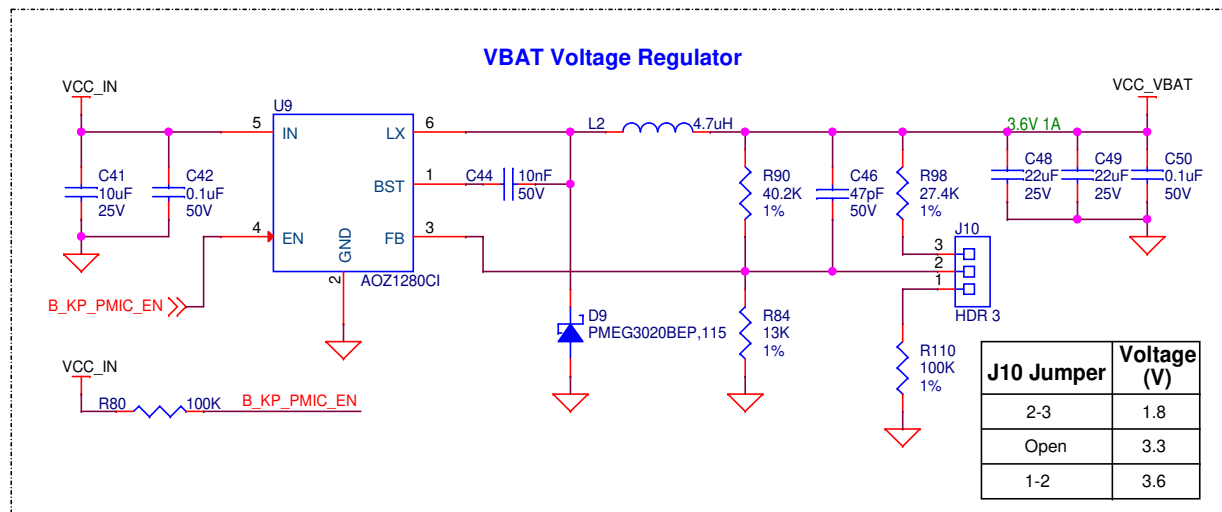
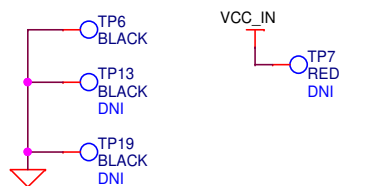
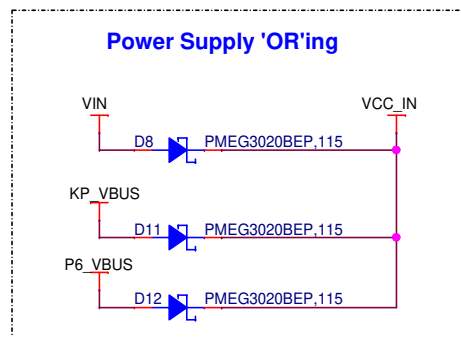
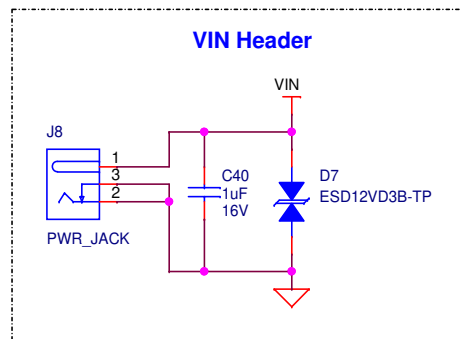
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Page Title: Power Supply Block Diagram

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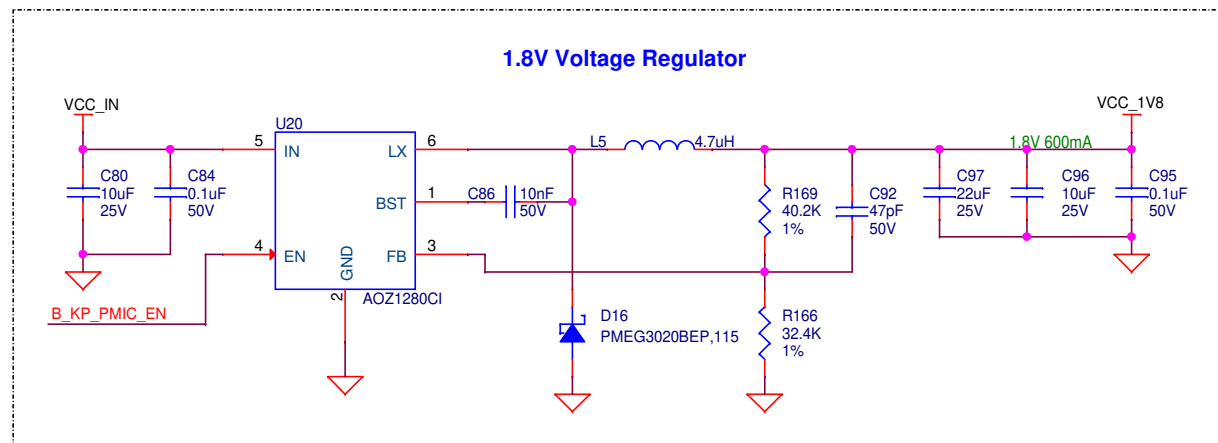
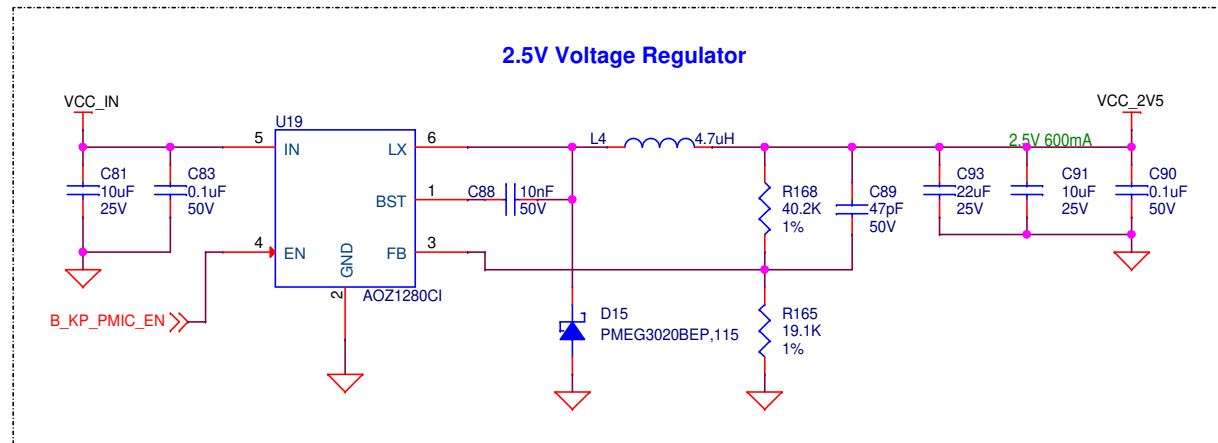


SCH Title : CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit

Page Title: Power Supply (1)

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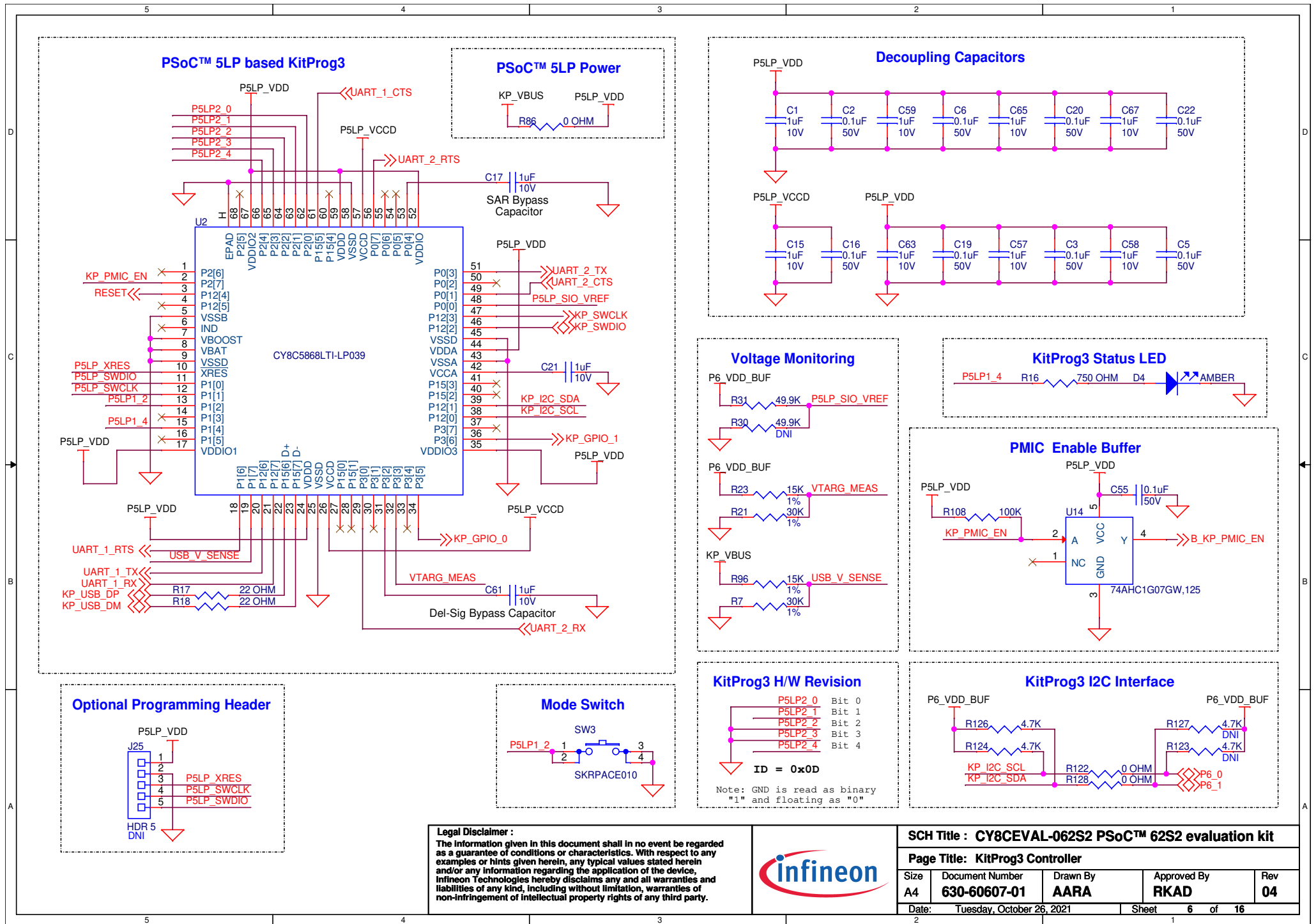


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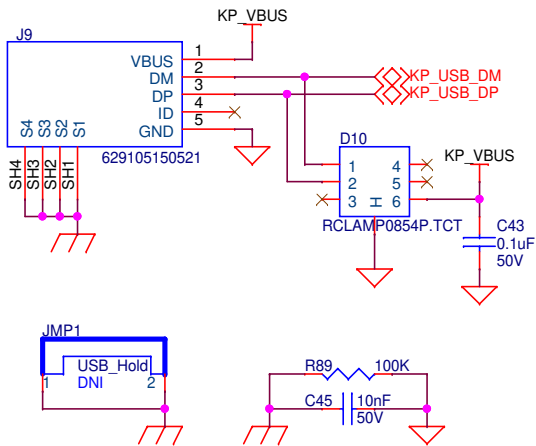
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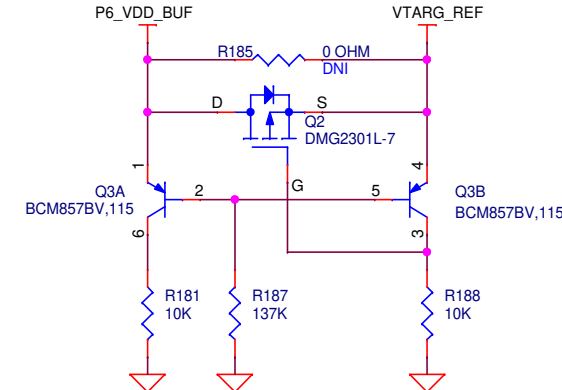
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KitProg3 USB Micro-B Connector



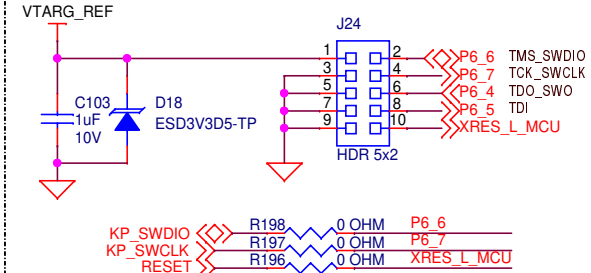
VTARG Reverse Voltage Protection



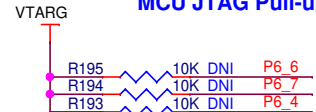
Note 1: VTARG_REF is only output voltage sense line for external debuggers. PSoC™ 6 MCU can't be powered using external debugging headers J22 and J24

Note 2: If R185 is loaded and external power is used, make sure to remove jumper shunt from J18 to prevent reverse voltage to on-board regulator

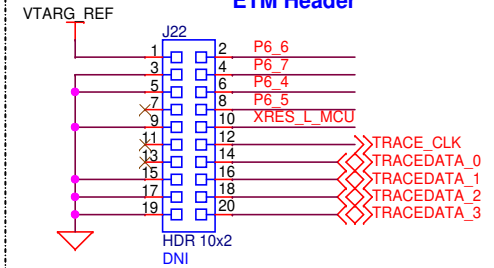
PSoC™ 6 MCU 10-pin SWD/JTAG Header



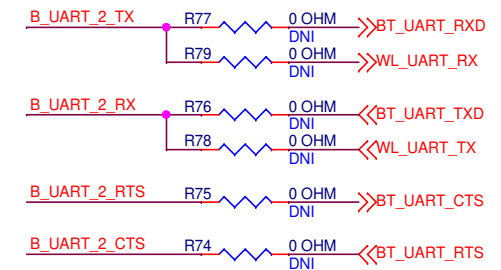
MCU JTAG Pull-up



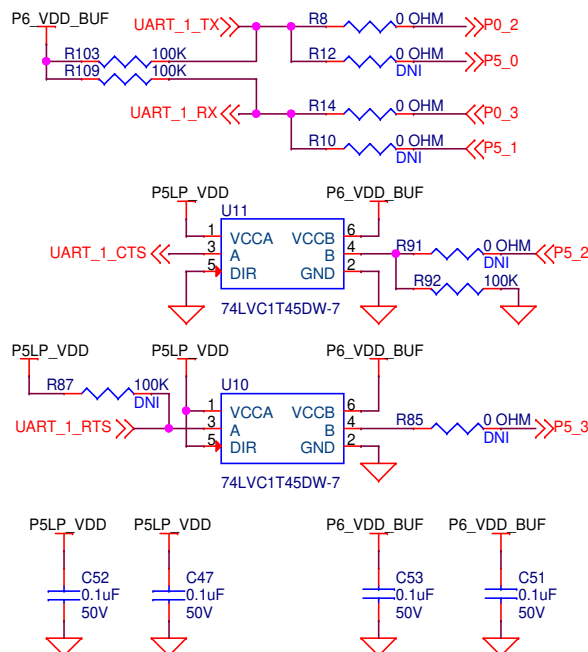
ETM Header



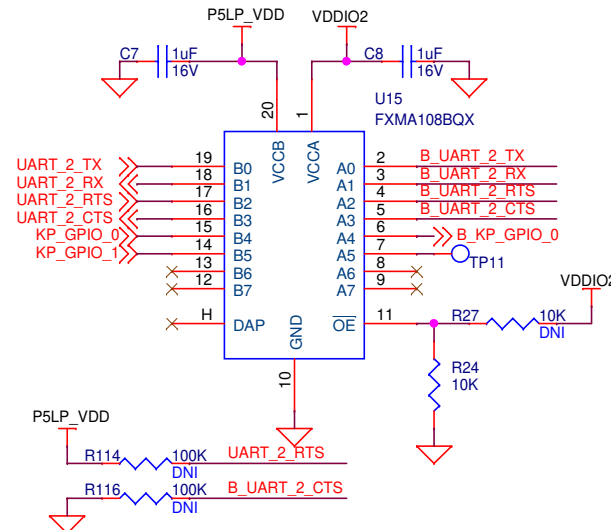
KitProg3 Secondary UART Multiplexing



KitProg3 Primary UART Interface



KitProg3 Level Translator for Secondary UART and GPIO



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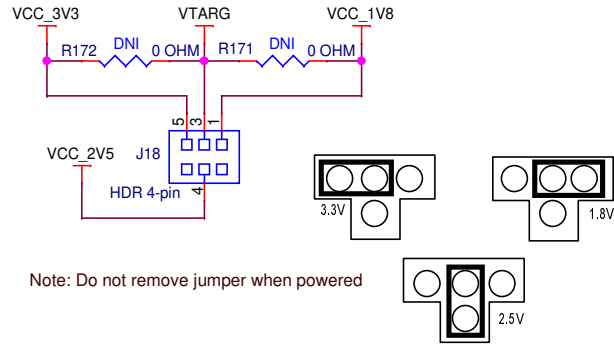
SCH Title : CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit

Page Title : KitProg3 Interfaces

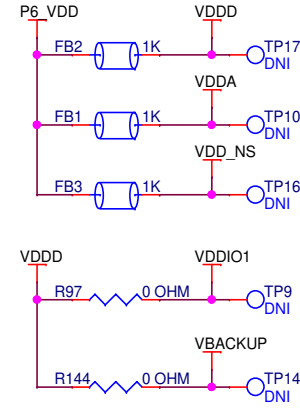
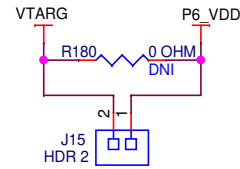
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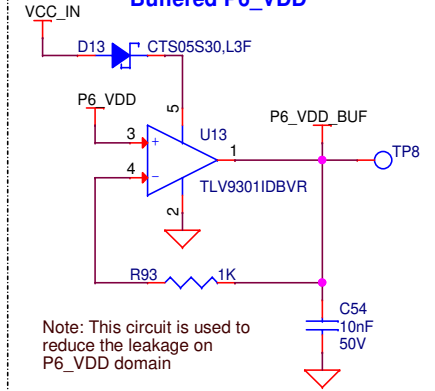
MCU Power Selection Jumper



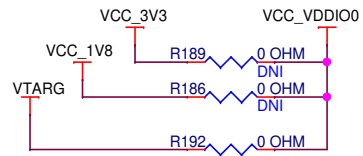
MCU Current Measurement



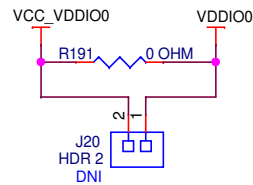
Buffered P6_VDD



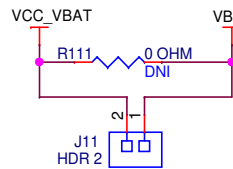
VDDIO0 Voltage Selection



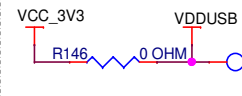
VDDIO0 Current Measurement



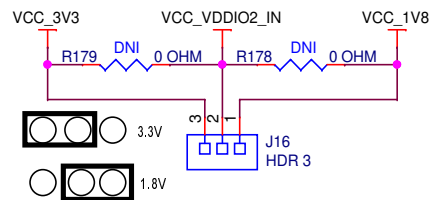
VBAT Current Measurement



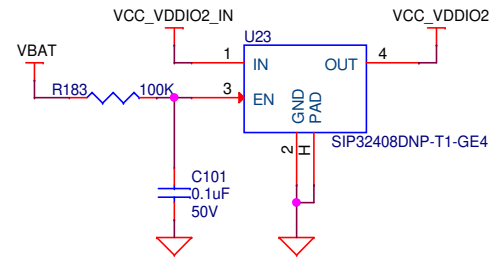
MCU USB Power



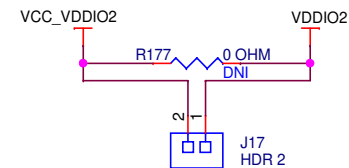
VDDIO2 Power Selection Jumper



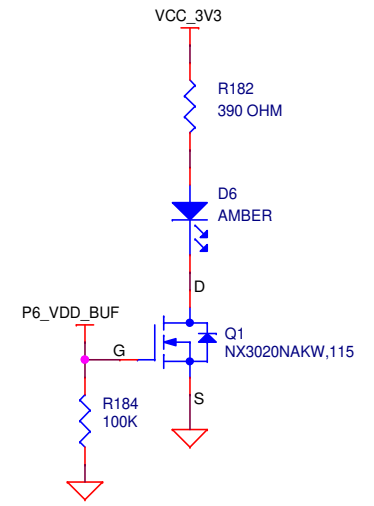
Load Switch



VDDIO2 Current Measurement



Power LED



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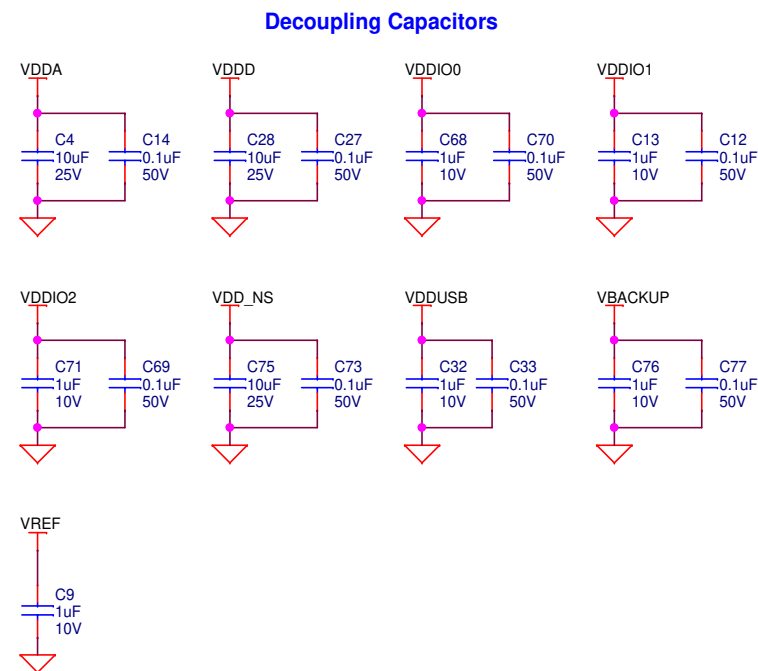
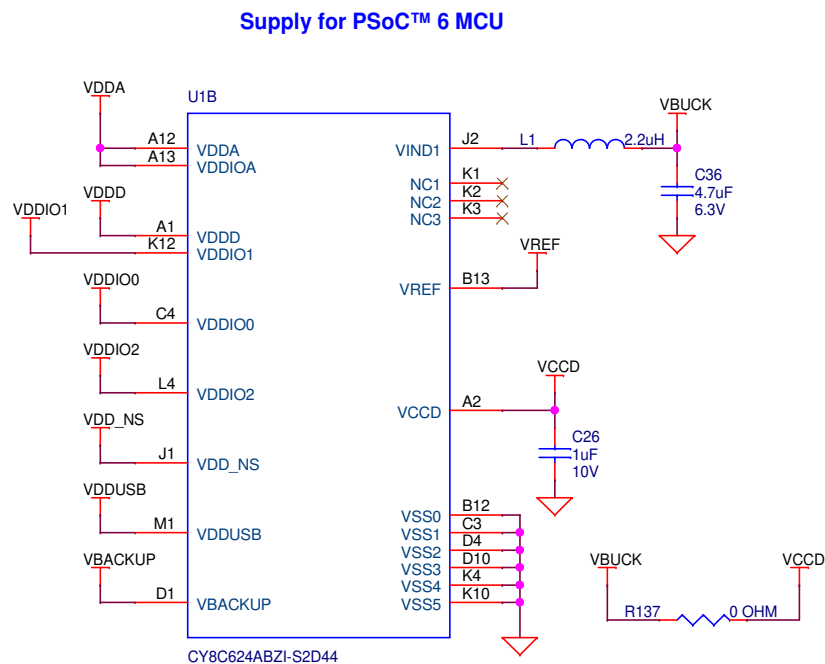
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Page Title : Power Selection and Current Measurement Jumpers

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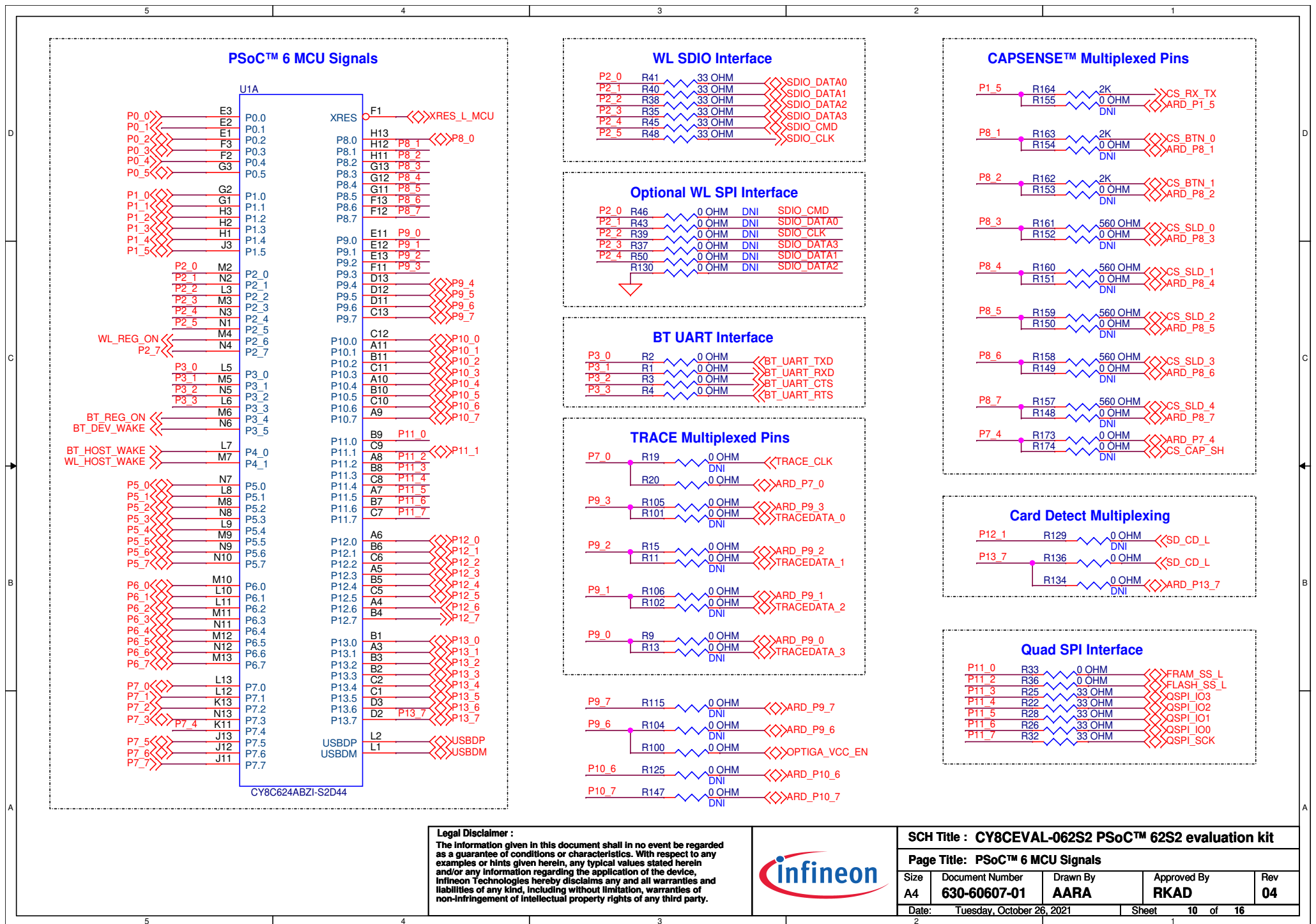


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Page Title: PSoC™ 6 MCU Power

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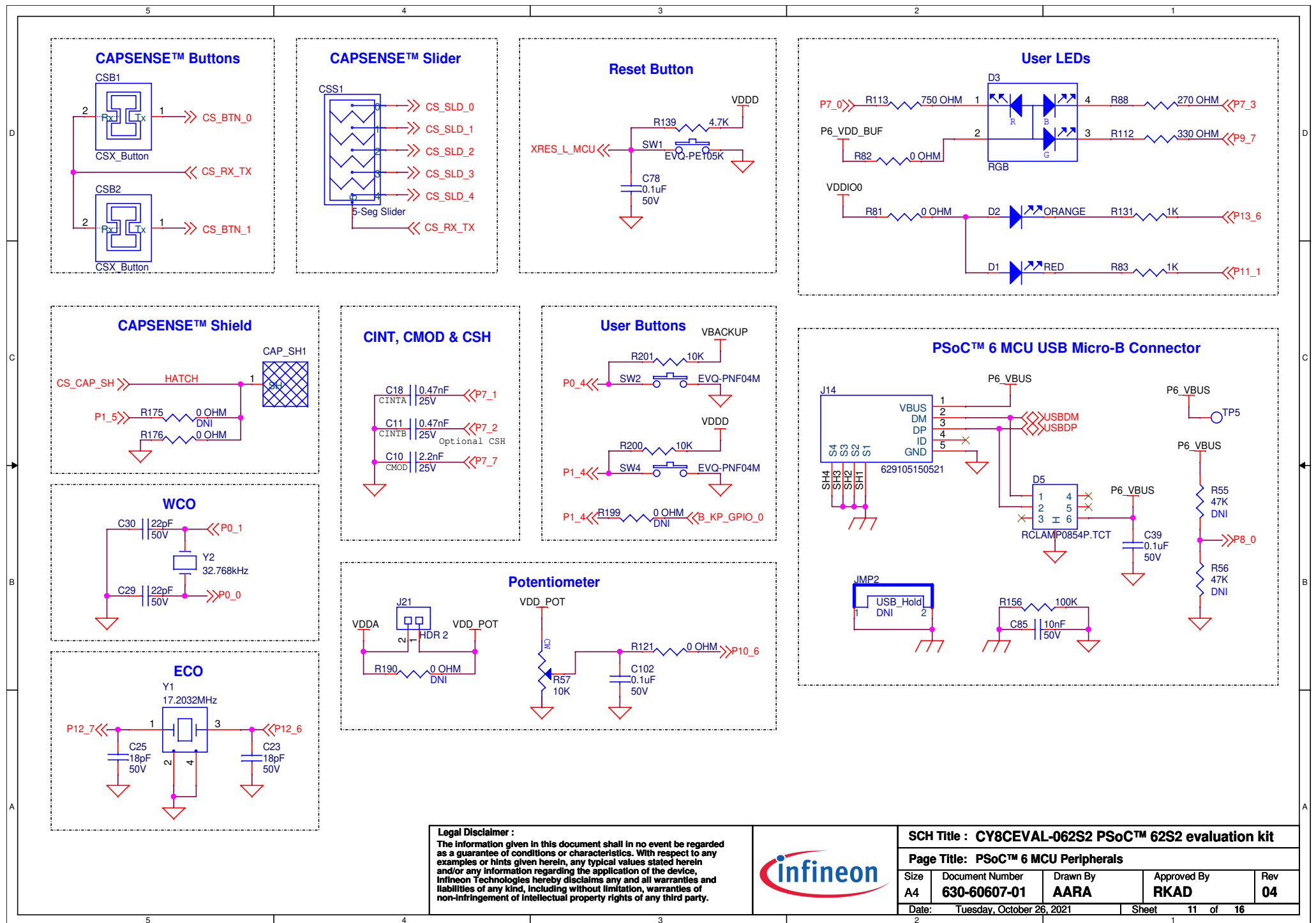
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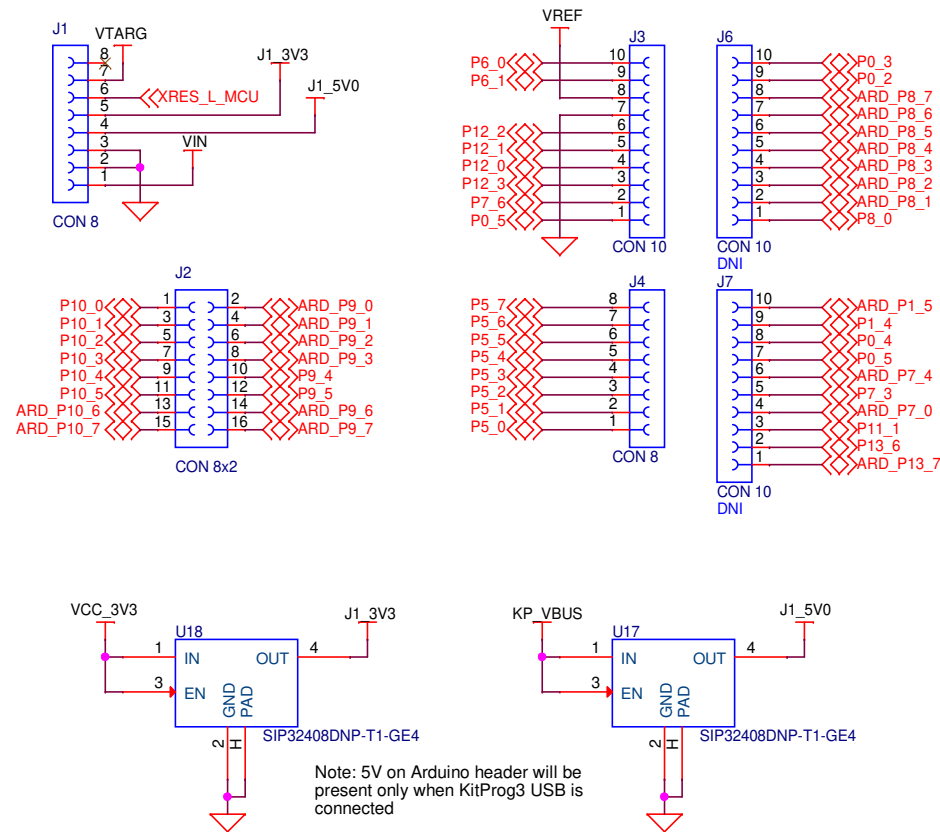
SCH Title : CY8CEVAL-062S2 PSoC™ 62S2 evaluation kit

Page Title : PSoC™ 6 MCU Signals

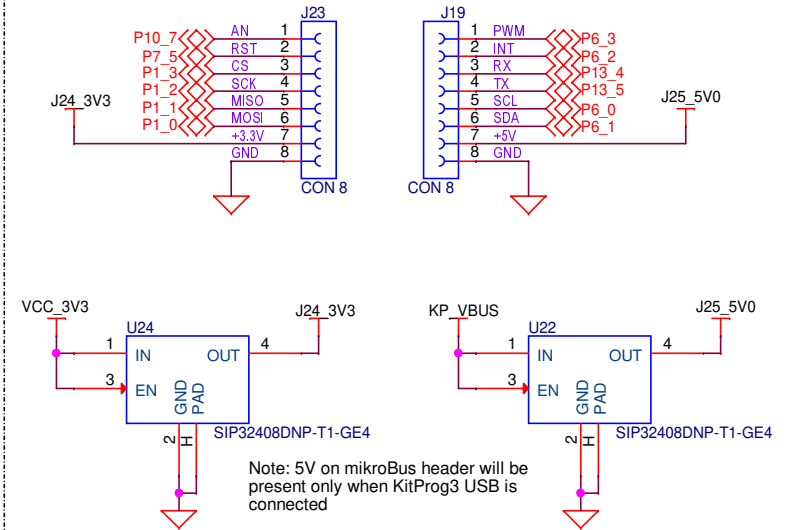
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Arduino & Extended Headers



mikroBUS Headers



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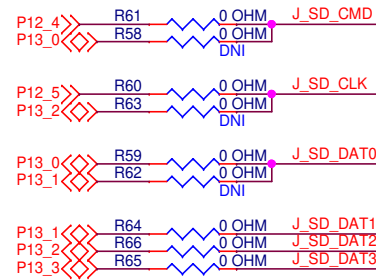
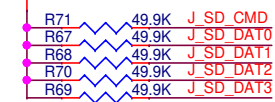
Page Title: Arduino , mikroBUS and Extended Headers

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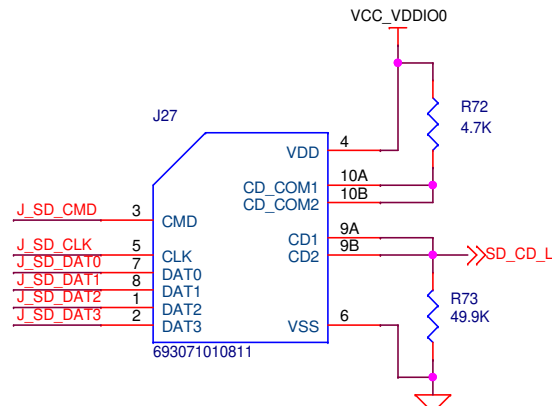
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VDDIO0

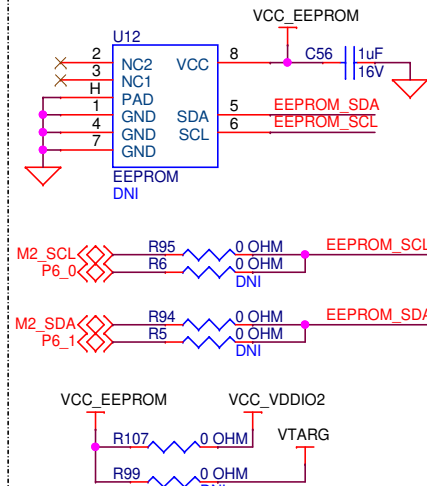
microSD Card Interface



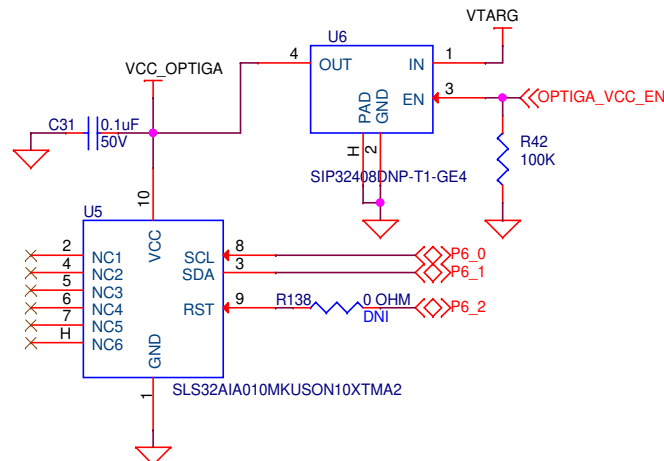
Note: Load R58, R63, R62 and remove R61, R60, R59, R64 and R66 to change from SDHC to SPI interface for microSD card



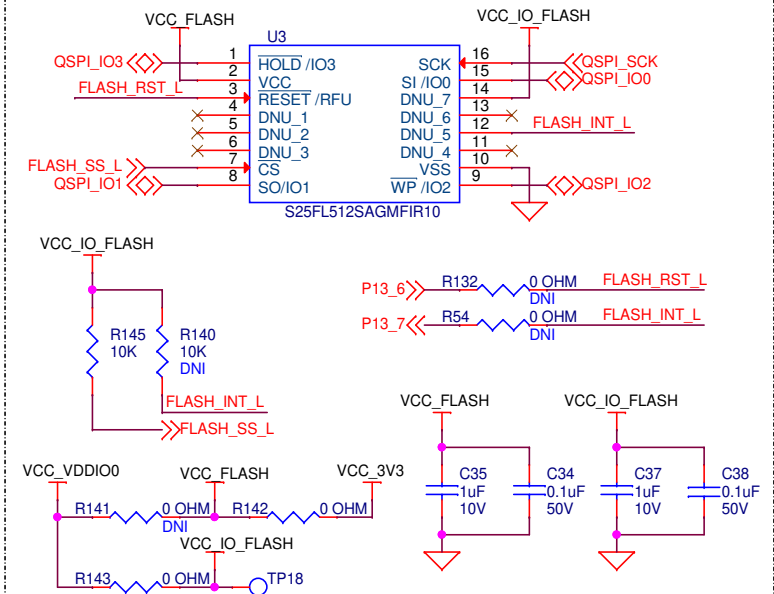
I2C EEPROM



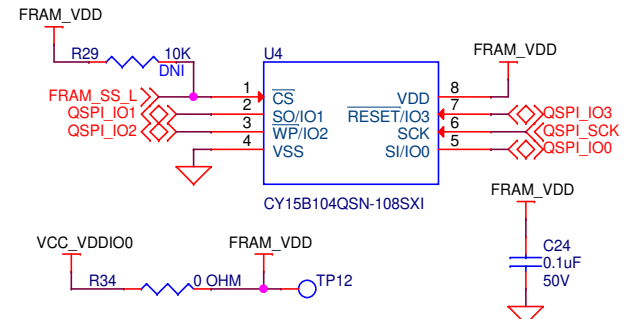
OPTIGA™ Trust M



Quad SPI Flash



Quad SPI F-RAM



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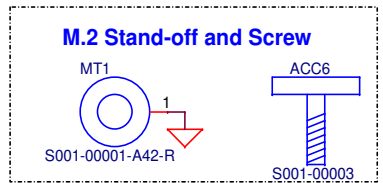
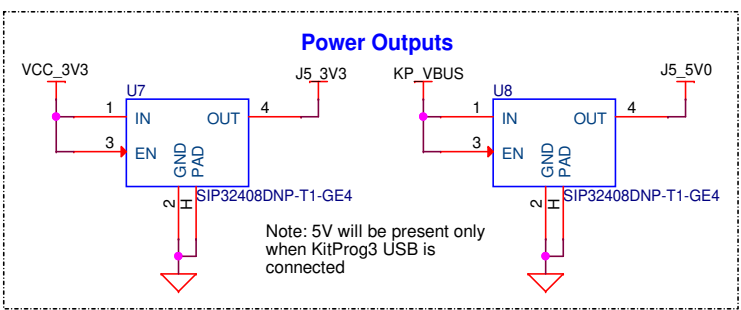
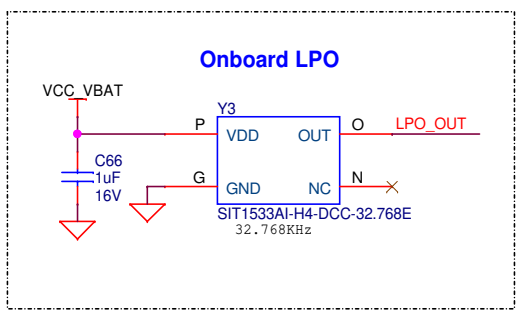
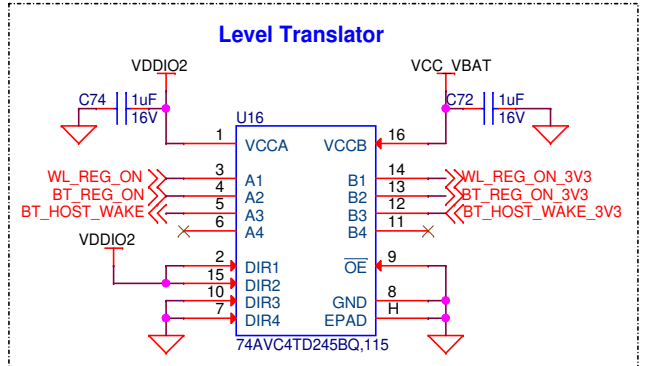
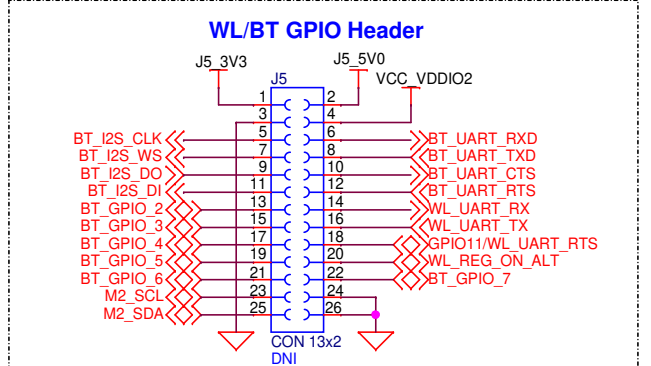
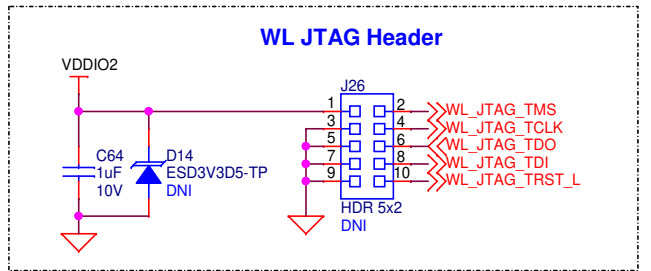
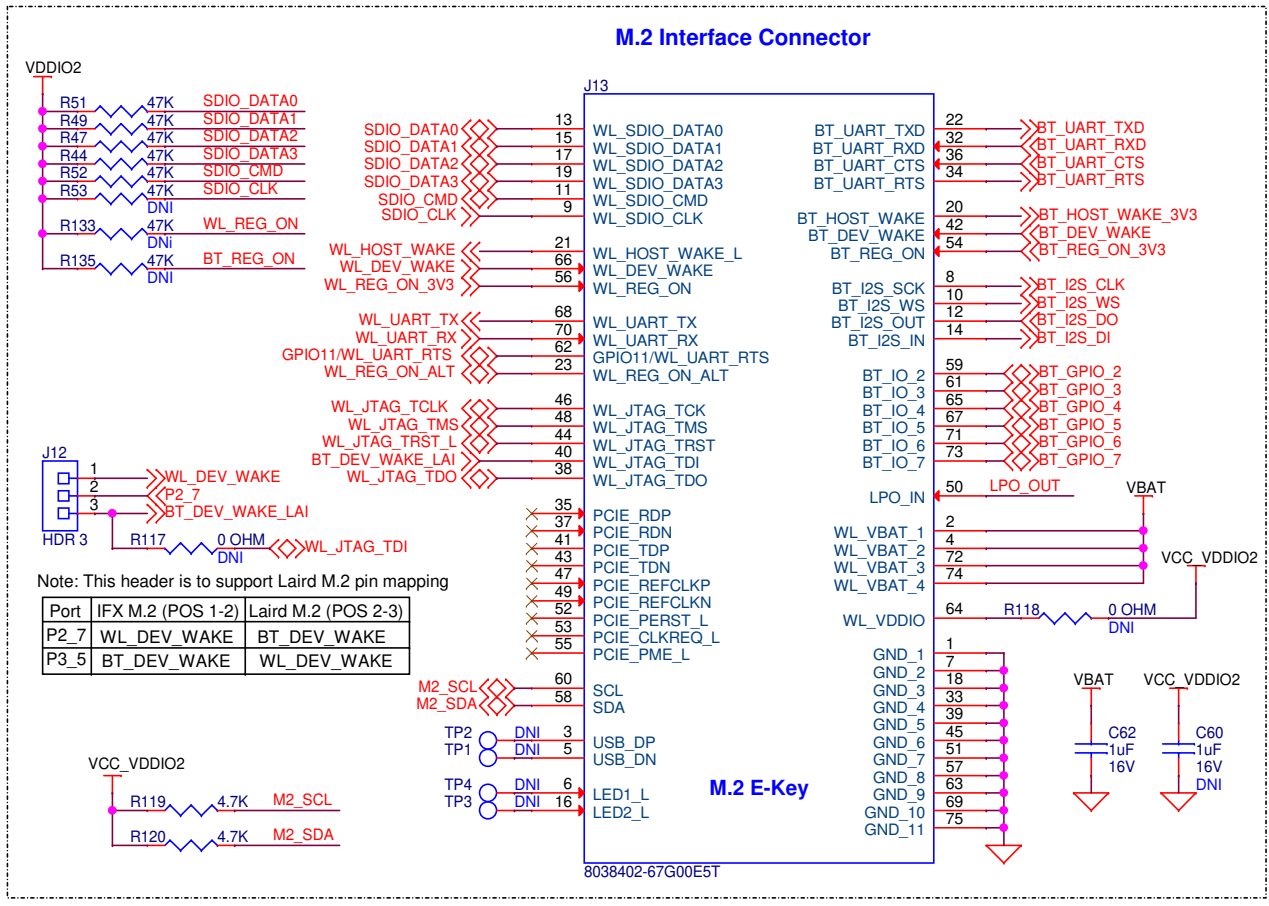


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Page Title : Memory & Security Interfaces

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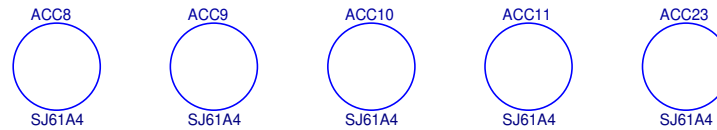


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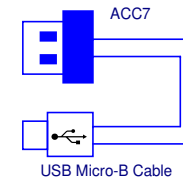
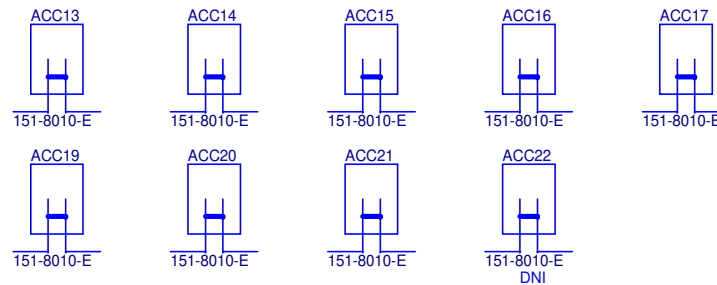


Accessories

Cylindrical Bump-ons



Jumper Shunts



PCBA label



Acrylic Overlay

Overlay

Color: Clear, Transparent
Finish: Matte

Dimensions:
Length = 45.21mm
Height = 36.93mm
Thickness = 1mm

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Page Title: Accessories

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