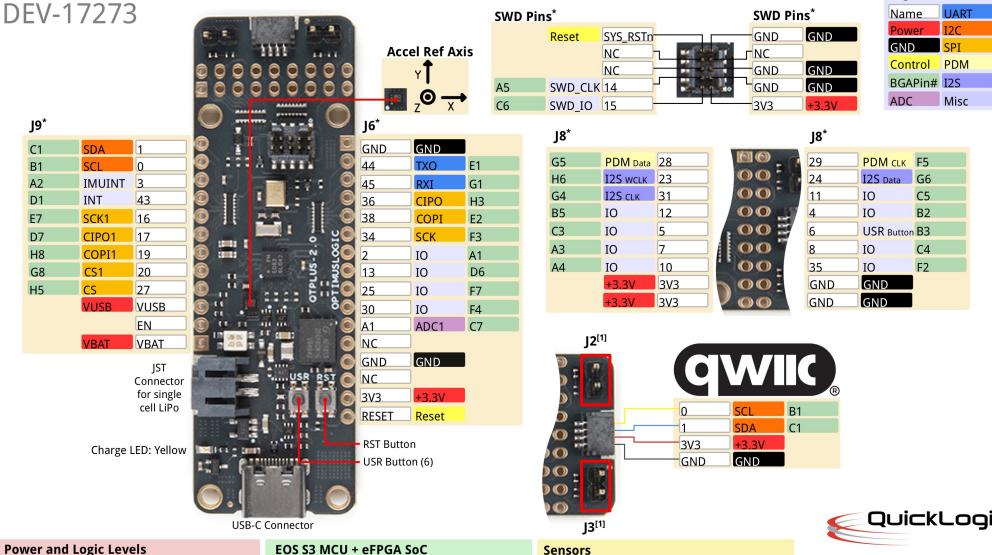
SparkFun QuickLogic Thing Plus - EOS S3



Power and Logic Levels

VUSB: direct to USB (5V)

VBAT: direct to LiPo battery (and Microchip

MCP73831 charger)

3V3: Output of TI TPS62821 regulator (3.3V/1A)

GPIO logic levels: 3.3V

Notes

- * Header pin 1 can be referenced by either the square PTH pad polarity marker °
- [1] Close bootstrap jumper pins when using J-Link programmer, otherwise keep open

- Arm® Cortex®-M4F Microcontroller
- up to 80 MHz operating frequency
- up to 512 Kb SRAM
- Embedded FPGA (eFPGA)
- 2400 effective logic cells
- 64 Kb RAM

Storage

- GigaDevice GD25Q16CEIGR
- 16 Mbit SPI NOR flash memory

Interfaces

- 1x ADC, 1x UART, 1x I²C, 2x SPI, $1x I^2S$, 1x PDM

- STMicro LIS2DH12TR [0b0011000, 0x18]
- I²C 3-Axis 12-bit Accelerometer
- Vesper VM3011
- Digital Pulse Density Modulation Mic w/ Wake-on-Sound

User Interfaces

- RST Button
- USR Button (L)

LEDs

- RGB LED
- Red (22), Green (21), Blue (14)
- Charge LED



Legend



