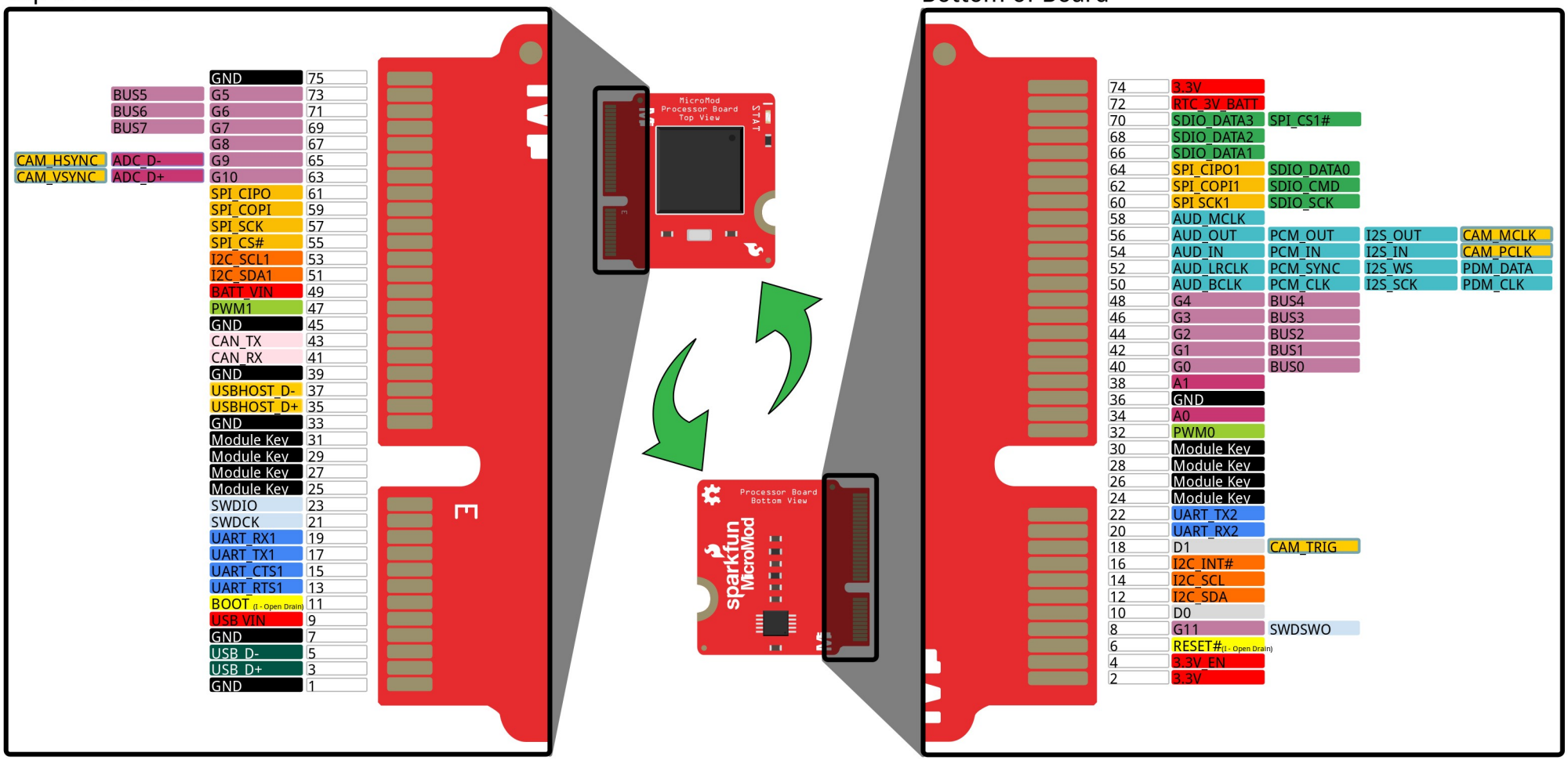
MicroMod Processor Board General Pinout v1.0

Some Design Notes
- PWM0/PWM1 should be assigned to pins that are exclusively PWM (no ADC capability)
- D0/D1 should be assigned to pins that are exclusively GPIO (no ADC or PWM capability)
- If the microcontroller lacks a specific pin function, and has left over GPIO, they can be over-ruled with GPIO. For example CTS/RTS can be overwritten with a GPIO if the microcontroller does not have flow control.

For more information, check out the "Getting Started with MicroMod" tutorial @ Learn.SparkFun.com .

Pin Number	Power	GND	Control
Digital Pin	ADC	PWM	Serial UART
I²C	SPI	CAN	USB
SWD	Audio	Camera	General/Bus
SDIO	Arduino		

Top of Board



	GND	75	
BUS5	G5	73	
BUS6	G6	71	
BUS7	G7	69	
	G8	67	
CAM_HSYNC	ADC_D-	G9	65
CAM_VSYNC	ADC_D+	G10	63
		SPI_CIPO	61
		SPI_COPI	59
		SPI_SCK	57
		SPI_CS#	55
		I2C_SCL1	53
		I2C_SDA1	51
		BATT_VIN	49
		PWM1	47
		GND	45
		CAN_TX	43
		CAN_RX	41
		GND	39
		USBHOST_D-	37
		USBHOST_D+	35
		GND	33
		Module Key	31
		Module Key	29
		Module Key	27
		Module Key	25
		SWDIO	23
		SWDCK	21
		UART_RX1	19
		UART_TX1	17
		UART_CTS1	15
		UART_RTS1	13
		BOOT (I - Open Drain)	11
		USB VIN	9
		GND	7
		USB_D-	5
		USB_D+	3
		GND	1

Bottom of Board

74	3.3V			
72	RTC_3V_BATT			
70	SDIO_DATA3	SPI_CS1#		
68	SDIO_DATA2			
66	SDIO_DATA1			
64	SPI_CIPO1	SDIO_DATA0		
62	SPI_COPI1	SDIO_CMD		
60	SPI SCK1	SDIO_SCK		
58	AUD_MCLK			
56	AUD_OUT	PCM_OUT	I2S_OUT	CAM_MCLK
54	AUD_IN	PCM_IN	I2S_IN	CAM_PCLK
52	AUD_LRCLK	PCM_SYNC	I2S_WS	PDM_DATA
50	AUD_BCLK	PCM_CLK	I2S_SCK	PDM_CLK
48	G4	BUS4		
46	G3	BUS3		
44	G2	BUS2		
42	G1	BUS1		
40	G0	BUS0		
38	A1			
36	GND			
34	A0			
32	PWM0			
30	Module Key			
28	Module Key			
26	Module Key			
24	Module Key			
22	UART_TX2			
20	UART_RX2			
18	D1	CAM_TRIG		
16	I2C_INT#			
14	I2C_SCL			
12	I2C_SDA			
10	D0			
8	G11	SWDSWO		
6	RESET# (I - Open Drain)			
4	3.3V_EN			
2	3.3V			

Power
Raw: 4.8V to 5.2V
VCC: 3.3V
Maximum current: Varies by processor @ 3.3V
I/O Logic Levels: 3.3V

MicroMod General Pinout v1.0
Programmed with Arduino
Frequency (Hz) varies by processor

LEDs
User (D13): Blue

MicroMod

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