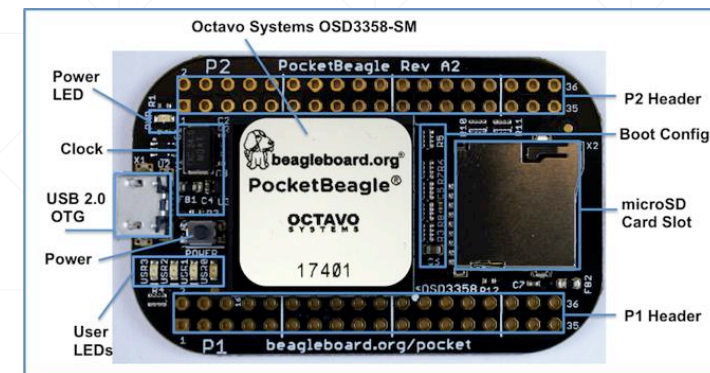


PocketBeagle



PocketBeagle Expansion Headers (Rev A2a)

P1														
SYS			VIN	1	2	87			6	AIN 3.3V	9	PRU1		
USB1	V_EN	GPIO	109	3	4	89					11			
USB1			VBUS	5	6	5	GPIO	CS	SPI0	TX	PRU			
			VIN	7	8	2		CLK		RX	UART2			
			DN	9	10	3		MISO		TX				
			DP	11	12	4		MOSI		RX	PRU			
			ID	13	14	3.3V		SYS						
			GND	15	16	GND								
AIN 1.8V			REF-	17	18	REF+	AIN 1.8V							
			0	19	20	20	GPIO			16(in)	PRU0			
			1	21	22	GND	SYS							
			2	23	24	VOUT								
			3	25	26	12	GPIO	SDA	I2C2	TX	CAN0			
			4	27	28	13		SCL		RX				
PRU0	7	QEP0	STRB	A	GPIO	117	29	30	43	GPIO	TX	UART0	15	PRU1
	4					114	31	32	42		RX		14	
	1					PWM0	B	111	33	34	26			
PRU1	10					88	35	36	110	A	PWM0	0	PRU0	

P2															
PWM1				A	GPIO	50	1	2	59						
PWM2				B		23	3	4	58						
UART4				RX		30	5	6	57	GPIO					
				TX		31	7	8	60						
CAN1	RX	I2C1	SCL	15		9	10	52							
	TX		SDA	14	11	12	PWR BTN	SYS							
SYS					VOUT	13	14	VIN	BAT						
					GND	15	16	TEMP							
GPIO					65	17	18	47	GPIO	STRB	QEP2	15i	PRUC		
					27	19	20	64							
SYS					GND	21	22	46	GPIO	IDX	QEP2	14(in)	PRUC		
					3.3V	23	24	44		A		14(out)			
CAN1	RX	SPI1	MOSI	GPIO	41	25	26	NRST	SYS						
	TX		MISO		40	27	28	116	GPIO	IDX	QEP0	6	PRUC		
PRU	eCAP		CLK		7	29	30	113				3			
PRU1	16(in)		CS		19	31	32	112				2			
PRU0	15(out)	QEP2	B		45	33	34	115		B	QEP0	5			
PRU1	8	AIN 3.3V	5	86	35	36	7	AIN 1.8V							