

# BeagleBone w/ MuntOS Expansion Header Pinouts

P9				P8							
DGND	1	2	DGND	DGND	1	2	DGND				
VDD 3.3	3	4	VDD 3.3	MMC1_DAT6	GPIO38	3	4	GPIO39	MMC1_DAT7		
VDD 5V	5	6	VDD 5V	MMC1_DAT2	GPIO34	5	6	GPIO35	MMC1_DAT3		
SYS 5V	7	8	SYS 5V	GPIO66	7	8	GPIO67				
PWR_BUT	9	10	SYS_RESETN	GPIO69	9	10	GPIO68				
RXD4	GPIO30	11	12	GPIO60	GPIO45	11	12	GPIO44			
TXD4	GPIO31	13	14	GPIO50	GPIO23	13	14	GPIO26			
	GPIO48	15	16	GPIO51	GPIO47	15	16	GPIO46			
	GPIO5	17	18	GPIO4	GPIO27	17	18	GPIO65			
I2C2_SCL	GPIO13	19	20	GPIO12	12C2_SDA	19	20	GPIO63	MMC1_CMD		
TXD2	GPIO3	21	22	GPIO2	RXD2	21	22	GPIO37	MMC1_DAT5		
	GPIO49	23	24	GPIO15	TXD1	23	24	GPIO33	MMC1_DAT1		
	GPIO117	25	26	GPIO14	RXD1	25	26	GPIO61			
	GPIO115	27	28	GPIO113	SPI1_SS0	GPIO86	27	28	GPIO88		
SPI1_MISO	GPIO111	29	30	GPIO112	SPI1_MOSI	GPIO87	29	30	GPIO89		
SPI1_SCLK	GPIO110	31	32	VDD_ADC		GPIO10	31	32	GPIO11		
	AIN4	33	34	GND_ADC		GPIO9	33	34	GPIO81		
	AIN6	35	36	AIN5		GPIO8	35	36	GPIO80		
	AIN2	37	38	AIN3		TXD5	GPIO78	37	38	GPIO79	RXD5
	AIN0	39	40	AIN1		GPIO76	39	40	GPIO77		
	GPIO20	41	42	GPIO7	SPI1_SS1	GPIO74	41	42	GPIO75		
DGND	43	44	DGND			GPIO72	43	44	GPIO73		
DGND	45	46	DGND			GPIO70	45	46	GPIO71		

**Notes:** 1. The MMC pins are available for GPIO only on the BeagleBone White, and only if the **BB-NOEMMC** device tree overlay is applied.