

BeagleBone w/ MuntsOS Expansion Header Pinouts

P9

DGND	1	2	DGND		
VDD 3.3	3	4	VDD 3.3		
VDD 5V	5	6	VDD 5V		
SYS 5V	7	8	SYS 5V		
PWR_BUT	9	10	SYS_RESETN		
RXD4	GPIO30	11	12	GPIO60	
TXD4	GPIO31	13	14	GPIO50	
	GPIO48	15	16	GPIO51	
	GPIO5	17	18	GPIO4	
I2C2_SCL	GPIO13	19	20	GPIO12	I2C2_SDA
TXD2	GPIO3	21	22	GPIO2	RXD2
	GPIO49	23	24	GPIO15	TXD1
	GPIO117	25	26	GPIO14	RXD1
	GPIO115	27	28	GPIO113	SPI1_SS0
SPI1_MISO	GPIO111	29	30	GPIO112	SPI1_MOSI
SPI1_SCLK	GPIO110	31	32	VDD_ADC	
	AIN4	33	34	GND_ADC	
	AIN6	35	36	AIN5	
	AIN2	37	38	AIN3	
	AIN0	39	40	AIN1	
	GPIO20	41	42	GPIO7	SPI1_SS1
DGND	43	44	DGND		
DGND	45	46	DGND		

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DGND	1	2	DGND		
MMC1_DAT6	GPIO38	3	4	GPIO39	MMC1_DAT7
MMC1_DAT2	GPIO34	5	6	GPIO35	MMC1_DAT3
	GPIO66	7	8	GPIO67	
	GPIO69	9	10	GPIO68	
	GPIO45	11	12	GPIO44	
	GPIO23	13	14	GPIO26	
	GPIO47	15	16	GPIO46	
	GPIO27	17	18	GPIO65	
	GPIO22	19	20	GPIO63	MMC1_CMD
MMC1_CLK	GPIO62	21	22	GPIO37	MMC1_DAT5
MMC_DAT4	GPIO36	23	24	GPIO33	MMC1_DAT1
MMC1_DAT0	GPIO32	25	26	GPIO61	
	GPIO86	27	28	GPIO88	
	GPIO87	29	30	GPIO89	
	GPIO10	31	32	GPIO11	
	GPIO9	33	34	GPIO81	
	GPIO8	35	36	GPIO80	
TXD5	GPIO78	37	38	GPIO79	RXD5
	GPIO76	39	40	GPIO77	
	GPIO74	41	42	GPIO75	
	GPIO72	43	44	GPIO73	
	GPIO70	45	46	GPIO71	

- Notes:**
1. The standard MuntsOS device tree overlays for **SPI1**, **UART1**, **UART2**, **UART4**, and **UART5** are applied.
 2. The MMC pins are available for GPIO only on the BeagleBone White, and only if the **NOEMMC** device tree overlay is applied.