



PocketBeagle P1 Header PinMux Modes

P1 Pin	Label	mode0	mode1	mode2	mode3	mode4	mode5	mode6	mode7	P1 Pin2
P1.01	VIN	VIN								P1.01
P1.02	A6/87	ain6								P1.02
P1.02	A6/87	lcd_hsync	gpmc_a9	gpmc_a2	pr1_edio_data_in3	pr1_edio_data_out3	pr1_pru1_pru_r30_9	pr1_pru1_pru_r31_9	gpio2_23	P1.02
P1.03	USB1_EN	USB1_DRVVBUS	-	-	-	-	-	-	gpio3_13	P1.03
P1.04	89	lcd_ac_bias_en	gpmc_a11	pr1_mii1_crs	pr1_edio_data_in5	pr1_edio_data_out5	pr1_pru1_pru_r30_11	pr1_pru1_pru_r31_11	gpio2_25	P1.04
P1.05	USB1_VB	USB1_VBUS	-	-	-	-	-	-	-	P1.05
P1.06	SPI0_CS	spi0_cs0	mmc2_sdwp	I2C1_SCL	ehrpwm0_synci	pr1_uart0_txd	pr1_edio_data_in1	pr1_edio_data_out1	gpio0_5	P1.06
P1.07	USB1_VI		VIN-USB							P1.07
P1.08	SPI0_CLK	spi0_sclk	uart2_rxd	I2C2_SDA	ehrpwm0A	pr1_uart0_cts_n	pr1_edio_sof	EMU2	gpio0_02	P1.08
P1.09	USB1-	USB1_DM	-	-	-	-	-	-	-	P1.09
P1.10	SPI0_MISO	spi0_d0	uart2_txd	I2C2_SCL	ehrpwm0B	pr1_uart0_rts_n	pr1_edio_latch_in	EMU3	gpio0_3	P1.10
P1.11	USB1+	USB1_DP	-	-	-	-	-	-	-	P1.11
P1.12	SPI0_MOSI	spi0_d1	mmc1_sdwp	I2C1_SDA	ehrpwm0_tripzone_input	pr1_uart0_rxd	pr1_edio_data_in0	pr1_edio_data_out0	gpio0_04	P1.12
P1.13	USB1_ID	USB1_ID	-	-	-	-	-	-	-	P1.13
P1.14	+3.3V	VOOUT-3.3V								P1.14
P1.15	USB1_GND	GND								P1.15
P1.16	GND	GND								P1.16
P1.17	AIN(1.8V)-	VREFN								P1.17
P1.18	AIN(1.8V)A+	VREFP								P1.18
P1.19	AIN(1.8V)0	ain0								P1.19
P1.20	20	xdma_event_intr1	-	tclkln	clkout2	timer7	pr1_pru0_pru_r31_16	EMU3	gpio0_20	P1.20
P1.21	AIN(1.8V)1	ain1								P1.21
P1.22	GND	GND								P1.22
P1.23	AIN(1.8V)2	ain2								P1.23
P1.24	VOOUT	VOOUT-5V								P1.24
P1.25	AIN(1.8V)3	ain3								P1.25
P1.26	I2C2_SDA	uart1_ctsn	timer6	dcan0_tx	I2C2_SDA	spi1_cs0	pr1_uart0_cts_n	pr1_edc_latch0_in	gpio0_12	P1.26
P1.27	AIN(1.8V)4	ain4								P1.27
P1.28	I2C2_SCL	uart1_rtsn	timer5	dcan0_rx	I2C2_SCL	spi1_cs1	pr1_uart0_rts_n	pr1_edc_latch1_in	gpio0_13	P1.28
P1.29	PRU0_7	mcasp0_ahclkx	eQEPO_strobe	mcasp0_axr3	mcasp1_axr1	EMU4	pr1_pru0_pru_r30_7	pr1_pru0_pru_r31_7	gpio3_21	P1.29
P1.30	U0_TX	uart0_txd	spi1_cs1	dcan0_rx	I2C2_SCL	eCAP1_in_PWM1_out	pr1_pru1_pru_r30_15	pr1_pru1_pru_r31_15	gpio1_11	P1.30
P1.31	PRU0_4	mcasp0_aclkr	eQEPOA_in	mcasp0_axr2	mcasp1_aclkx	mmc0_sdwp	pr1_pru0_pru_r30_4	pr1_pru0_pru_r31_4	gpio3_18	P1.31
P1.32	U0_RX	uart0_rxd	spi1_cs0	dcan0_tx	I2C2_SDA	eCAP2_in_PWM2_out	pr1_pru1_pru_r30_14	pr1_pru1_pru_r31_14	gpio1_10	P1.32
P1.33	PRU0_1	mcasp0_fsx	ehrpwm0B	-	spi1_d0	mmc1_sdcd	pr1_pru0_pru_r30_1	pr1_pru0_pru_r31_1	gpio3_15	P1.33
P1.34	26	gpmc_ad10	lcd_data21	mmc1_dat2	mmc2_dat6	ehrpwm2_tripzone_input	pr1_mii0_txen	-	gpio0_26	P1.34
P1.35	P1.10	lcd_pclk	gpmc_a10	pru_mii0_crs	pr1_edio_data_in4	pr1_edio_data_out4	pr1_pru1_pru_r30_10	pr1_pru1_pru_r31_10	gpio2_24	P1.35
P1.36	PWM0A	mcasp0_aclkx	ehrpwm0A	-	spi1_sclk	mmc0_sdcd	pr1_pru0_pru_r30_0	pr1_pru0_pru_r31_0	gpio3_14	P1.36
P1 Pin	Label	mode0	mode1	mode2	mode3	mode4	mode5	mode6	mode7	P1 Pin