

Pin	\$PINS	ADDR	GPIO	Name	Mode7	Mode6	Mode5	Mode4	Mode3	Mode2	Mode1	Mode0	CPU	Notes
P8_01		Offset from:		DGND										Ground
P8_02		44e10800		DGND										Ground
P8_03	6	0x818/018	38	GPIO1_6	gpio1[6]						mmc1_dat6	gpmc_ad6	R9	Allocated emmc2
P8_04	7	0x81c/01c	39	GPIO1_7	gpio1[7]						mmc1_dat7	gpmc_ad7	T9	Allocated emmc2
P8_05	2	0x808/008	34	GPIO1_2	gpio1[2]						mmc1_dat2	gpmc_ad2	R8	Allocated emmc2
P8_06	3	0x80c/00c	35	GPIO1_3	gpio1[3]						mmc1_dat3	gpmc_ad3	T8	Allocated emmc2
P8_07	36	0x890/090	66	TIMER4	gpio2[2]					timer4		gpmc_advn_ale	R7	
P8_08	37	0x894/094	67	TIMER7	gpio2[3]					timer7		gpmc_oen_ren	T7	
P8_09	39	0x89c/09c	69	TIMER5	gpio2[5]					timer5		gpmc_be0n_cle	T6	
P8_10	38	0x898/098	68	TIMER6	gpio2[4]					timer6		gpmc_wen	U6	
P8_11	13	0x834/034	45	GPIO1_13	gpio1[13]	pr1_pru0_pru_r30_15		eQEP2B_in	mmc2_dat1	mmc1_dat5	lcd_data18	gpmc_ad13	R12	
P8_12	12	0x830/030	44	GPIO1_12	gpio1[12]	pr1_pru0_pru_r30_14		EQEP2A_IN	MMC2_DAT0	MMC1_DAT4	LCD_DATA19	GPMC_AD12	T12	
P8_13	9	0x824/024	23	EHRPWM2B	gpio0[23]			ehrpwm2B	mmc2_dat5	mmc1_dat1	lcd_data22	gpmc_ad9	T10	
P8_14	10	0x828/028	26	GPIO0_26	gpio0[26]			ehrpwm2_tripzone_in	mmc2_dat6	mmc1_dat2	lcd_data21	gpmc_ad10	T11	
P8_15	15	0x83c/03c	47	GPIO1_15	gpio1[15]	pr1_pru0_pru_r31_15		eQEP2_strobe	mmc2_dat3	mmc1_dat7	lcd_data16	gpmc_ad15	U13	
P8_16	14	0x838/038	46	GPIO1_14	gpio1[14]	pr1_pru0_pru_r31_14		eQEP2_index	mmc2_dat2	mmc1_dat6	lcd_data17	gpmc_ad14	V13	
P8_17	11	0x82c/02c	27	GPIO0_27	gpio0[27]			ehrpwm0_synco	mmc2_dat7	mmc1_dat3	lcd_data20	gpmc_ad11	U12	
P8_18	35	0x88c/08c	65	GPIO2_1	gpio2[1]	mcasp0_fsr			mmc2_clk	gpmc_wait1	lcd_memory_clk	gpmc_clk_mux0	V12	
P8_19	8	0x820/020	22	EHRPWM2A	gpio0[22]			ehrpwm2A	mmc2_dat4	mmc1_dat0	lcd_data23	gpmc_ad8	U10	
P8_20	33	0x884/084	63	GPIO1_31	gpio1[31]	pr1_pru1_pru_r31_13	pr1_pru1_pru_r30_13			mmc1_cmd	gpmc_be1n	gpmc_csn2	V9	Allocated emmc2
P8_21	32	0x880/080	62	GPIO1_30	gpio1[30]	pr1_pru1_pru_r31_12	pr1_pru1_pru_r30_12			mmc1_clk	gpmc_clk	gpmc_csn1	U9	Allocated emmc2
P8_22	5	0x814/014	37	GPIO1_5	gpio1[5]						mmc1_dat5	gpmc_ad5	V8	Allocated emmc2
P8_23	4	0x810/010	36	GPIO1_4	gpio1[4]						mmc1_dat4	gpmc_ad4	U8	Allocated emmc2
P8_24	1	0x804/004	33	GPIO1_1	gpio1[1]						mmc1_dat1	gpmc_ad1	V7	Allocated emmc2
P8_25	0	0x800/000	32	GPIO1_0	gpio1[0]						mmc1_dat0	gpmc_ad0	U7	Allocated emmc2
P8_26	31	0x87c/07c	61	GPIO1_29	gpio1[29]							gpmc_csn0	V6	
P8_27	56	0x8e0/0e0	86	GPIO2_22	gpio2[22]	pr1_pru1_pru_r31_8	pr1_pru1_pru_r30_8				gpmc_a8	lcd_vsync	U5	Allocated HDMI
P8_28	58	0x8e8/0e8	88	GPIO2_24	gpio2[24]	pr1_pru1_pru_r31_10	pr1_pru1_pru_r30_10				gpmc_a10	lcd_pclk	V5	Allocated HDMI
P8_29	57	0x8e4/0e4	87	GPIO2_23	gpio2[23]	pr1_pru1_pru_r31_9	pr1_pru1_pru_r30_9				gpmc_a9	lcd_hsync	R5	Allocated HDMI
P8_30	59	0x8ec/0ec	89	GPIO2_25	gpio2[25]	pr1_pru1_pru_r31_11	pr1_pru1_pru_r30_11				gpmc_a11	lcd_ac_bias_en	R6	Allocated HDMI
P8_31	54	0x8d8/0d8	10	UART5_CTSN	gpio0[10]	uart5_ctsn		uart5_rxd	mcasp0_axr1	eQEP1_index	gpmc_a18	lcd_data14	V4	Allocated HDMI
P8_32	55	0x8dc/0dc	11	UART5_RTSN	gpio0[11]	uart5_rtsn		mcasp0_axr3	mcasp0_ahclkx	eQEP1_strobe	gpmc_a19	lcd_data15	T5	Allocated HDMI
P8_33	53	0x8d4/0d4	9	UART4_RTSN	gpio0[9]	uart4_rtsn		mcasp0_axr3	mcasp0_fsr	eQEP1B_in	gpmc_a17	lcd_data13	V3	Allocated HDMI
P8_34	51	0x8cc/0cc	81	UART3_RTSN	gpio2[17]	uart3_rtsn		mcasp0_axr2	mcasp0_ahclkr	ehrpwm1B	gpmc_a15	lcd_data11	U4	Allocated HDMI
P8_35	52	0x8d0/0d0	8	UART4_CTSN	gpio0[8]	uart4_ctsn		mcasp0_axr2	mcasp0_aclkr	eQEP1A_in	gpmc_a16	lcd_data12	V2	Allocated HDMI
P8_36	50	0x8c8/0c8	80	UART3_CTSN	gpio2[16]	uart3_ctsn		mcasp0_axr0	mcasp0_axr0	ehrpwm1A	gpmc_a14	lcd_data10	U3	Allocated HDMI
P8_37	48	0x8c0/0c0	78	UART5_TXD	gpio2[14]	uart2_ctsn		uart5_txd	mcasp0_aclkx	ehrpwm1_tripzone_in	gpmc_a12	lcd_data8	U1	Allocated HDMI
P8_38	49	0x8c4/0c4	79	UART5_RXD	gpio2[15]	uart2_rtsn		uart5_rxd	mcasp0_fsx	ehrpwm0_synco	gpmc_a13	lcd_data9	U2	Allocated HDMI
P8_39	46	0x8b8/0b8	76	GPIO2_12	gpio2[12]	pr1_pru1_pru_r31_6	pr1_pru1_pru_r30_6		eQEP2_index		gpmc_a6	lcd_data6	T3	Allocated HDMI
P8_40	47	0x8bc/0bc	77	GPIO2_13	gpio2[13]	pr1_pru1_pru_r31_7	pr1_pru1_pru_r30_7	pr1_edio_data_out7	eQEP2_strobe		gpmc_a7	lcd_data7	T4	Allocated HDMI
P8_41	44	0x8b0/0b0	74	GPIO2_10	gpio2[10]	pr1_pru1_pru_r31_4	pr1_pru1_pru_r30_4		eQEP2A_in		gpmc_a4	lcd_data4	T1	Allocated HDMI
P8_42	45	0x8b4/0b4	75	GPIO2_11	gpio2[11]	pr1_pru1_pru_r31_5	pr1_pru1_pru_r30_5		eQEP2B_in		gpmc_a5	lcd_data5	T2	Allocated HDMI
P8_43	42	0x8a8/0a8	72	GPIO2_8	gpio2[8]	pr1_pru1_pru_r31_2	pr1_pru1_pru_r30_2		ehrpwm2_tripzone_in		gpmc_a2	lcd_data2	R3	Allocated HDMI
P8_44	43	0x8ac/0ac	73	GPIO2_9	gpio2[9]	pr1_pru1_pru_r31_3	pr1_pru1_pru_r30_3		ehrpwm0_synco		gpmc_a3	lcd_data3	R4	Allocated HDMI
P8_45	40	0x8a0/0a0	70	GPIO2_6	gpio2[6]	pr1_pru1_pru_r31_0	pr1_pru1_pru_r30_0		ehrpwm2A		gpmc_a0	lcd_data0	R1	Allocated HDMI
P8_46	41	0x8a4/0a4	71	GPIO2_7	gpio2[7]	pr1_pru1_pru_r31_1	pr1_pru1_pru_r30_1		ehrpwm2B		gpmc_a1	lcd_data1	R2	Allocated HDMI
P9 Header	cat \$PINS	ADDR +	GPIO NO.	Name	Mode 7	Mode 6	Mode 5	Mode 4	Mode 3	Mode 2	Mode 1	Mode 0	CPU	