

GPIO Muxed Pins

GPIO Mux Selection

		GPIO Index	0,4,8,12	1	2	3	5	6	7	15
ME461	LaunchPad	GPyGMUXn	00,01,10,11	00b			01b			11b
Default	Pins	GPyMUXn	00b	01b	10b	11b	01b	10b	11b	11b
WIZNET RST	40/J4.10	GPIO0	EPWM1A					SDAA		
ESP8266 RST	39/J4.9	GPIO1	EPWM1B			MFSRB		SCLA		
4793PWM1	38/J4.8	GPIO2	EPWM2A				OUTXBAR1	SDAB		
4793PWM2	37/J4.7	GPIO3	EPWM2B	OUTXBAR2	MCLKRB	OUTXBAR2		SCLB		
Pushbotton1	36/J4.6	GPIO4	EPWM3A				OUTXBAR3	CANTXA		
Pushbotton2	35/J4.5	GPIO5	EPWM3B	MFSRA	OUTXBAR3			CANRXA		
Pushbotton3	80/J8.10	GPIO6	EPWM4A	OUTXBAR4	EXTSYNCOU	EQEP3A		CANTXB		
Pushbotton4	79/J8.9	GPIO7	EPWM4B	MCLKRA	OUTXBAR5	EQEP3B		CANRXD		
JoyPushBtn	78/J8.8	GPIO8	EPWM5A	CANTXB	ADCSOAO	EQEP3S		SCITXDA		
DAN28027 CS	77/J8.7	GPIO9	EPWM5B	SCITXDB	OUTXBAR6	EQEP3I		SCIRXDA		
DRV1PWM	76/J8.6	GPIO10	EPWM6A	CANRXB	ADCSOCBO	EQEP1A		SCITXDB		UPP-WAIT
DRV2PWM	75/J8.5	GPIO11	EPWM6B	SCIRXDB	OUTXBAR7	EQEP1B		SCIRXDB		UPP-START
CANTXB	J12	GPIO12	EPWM7A	CANTXB	MDXB	EQEP1S		SCITXDC		UPP-ENA
RCServo1	74/J8.4	GPIO14	EPWM8A	SCITXDB	MCLKXB			OUTXBAR3		UPP-D6
RCServo2	73/J8.3	GPIO15	EPWM8B	SCIRXDB	MFSXB			OUTXBAR4		UPP-D5
BUZZER	33/J4.3	GPIO16	SPISIMOA	CANTXB	OUTXBAR7	EPWM9A			SD1_D1	UPP-D4
CANRXB	J12	GPIO17	SPISOMIA	CANRXB	OUTXBAR8	EPWM9B			SD1_C1	UPP-D3
SPICLKA/SPIRAM	4/J1.4	GPIO18	SPICLKA	SCITXDB	CANRXA	EPWM10A			SD1_D2	UPP-D2
SPIRAM CS	3/J1.3	GPIO19	SPISTEA	SCIRXDB	CANTXA	EPWM10B			SD1_C2	UPP-D1
EQEP1A	J14	GPIO20	EQEP1A	MDXA	CANTXB	EPWM11A			SD1_D3	UPP-D0
EQEP1B	J14	GPIO21	EQEP1B	MDRA	CANRXB	EPWM11B			SD1_C3	UPP-CLK
LED1/PWM	8/J1.8	GPIO22	EQEP1S	MCLKXA	SCITXDB	EPWM12A	SPICLKB		SD1_D4	
WIZNET INT	34/J4.4	GPIO24	OUTXBAR1	EQEP2A	MDXB		SPISIMOB		SD2_D1	
LED8	51/J6.1	GPIO25	OUTXBAR2	EQEP2B	MDRB		SPISOMIB		SD2_C1	
LED9	53/J6.3	GPIO26	OUTXBAR3	EQEP2I	MCLKXB	OUTXBAR3	SPICLKB		SD2_D2	
LED10	52/J6.2	GPIO27	OUTXBAR4	EQEP2S	MFSXB	OUTXBAR4	SPISTEB		SD2_C2	
DRV1DIR	11/J2.1	GPIO29	SCITXDA	EMSDCKE		OUTXBAR6	EQEP3B		SD2_C3	
Board Blue LED		GPIO31	CANTXA	EM1WE		OUTXBAR8	EQEP3I		SD2_C4	
DRV2DIR	2/J1.2	GPIO32	SDAA	EM1CS0						
Board Red LED		GPIO34	OUTXBAR1	EM1CS2			SDAB			
SDAB/BQ32000	50/J5.10	GPIO40		EM1A2			SDAB			
SCLB/BQ32000	49/J5.9	GPIO41		EM1A3			SCLB			
SCITXDA	FTDI	GPIO42					SDAA			SCITXDA
SCIRXDA	FTDI	GPIO43					SCLA			SCIRXDA
GPIO52	48/J5.8	GPIO52	EQEP1S	EM1A12			SPICLKC		SD1_D3	
EQEP2A	J15	GPIO54	SPISIMOA	EM1D30	EM2D14	EQEP2A	SCITXDB		SD1_D4	
EQEP2B	J15	GPIO55	SPISOMIA	EM1D29	EM2D13	EQEP2B	SCIRXDB		SD1_C4	
SCITXDC/ESP8266	44/J5.4	GPIO56	SPICLKA	EM1D28	EM2D12	EQEP2S	SCITXDC		SD2_D1	
EQEP2I	J15	GPIO57	SPISTEA	EM1D27	EM2D11	EQEP2I	SCIRXDC (I)		SD2_C1	
SPISIMOA/SPIRAM	15/J2.5	GPIO58	MCLKRA	EM1D26	EM2D10	OUTXBAR1	SPICLKB		SD2_D2	SPISIMOA
SPISOMIA/SPIRAM	14/J2.4	GPIO59	MFSRA	EM1D25	EM2D9	OUTXBAR2	SPISTEB		SD2_C2	SPISOMIA
LED11	7/J1.7	GPIO60	MCLKRB	EM1D24	EM2D8	OUTXBAR3	SPISIMOB		SD2_D3	SPICLKA
LED12	19/J2.9	GPIO61	MFSRB	EM1D23	EM2D7	OUTXBAR4	SPISOMIB		SD2_C3	SPISTEA

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Default	Pins	GPyMUXn	00b	01b	10b	11b	01b	10b	11b	11b
SPISIMOB/9250	55/J6.5	GPIO63	SCITXDC	EM1D21	EM2D5	EQEP3B	CANTXA	SD2_C4	SPISIMOB	
SPISOMIB/9250	54/J6.4	GPIO64		EM1D20	EM2D5	EQEP3S	SCIRXDA		SPISOMIB	
SPICLKB/9250	47/J5.7	GPIO65		EM1D19	EM2D3	EQEP3I	SCITXDA		SPICLKB	
MPU-9250 CS	59/J6.9	GPIO66		EM1D18	EM2D2		SDAB		SPISTEB	
GPIO67	5/J1.5	GPIO67		EM1D17	EM2D1					
At Boot Select		GPIO72								
At Boot Select		GPIO84								
LED2	46/J5.6	GPIO94					SCIRXDD			
LED3	42/J5.2	GPIO95								
LED4	45/J5.5	GPIO97			EM2DQM0	EQEP1B				
EQEP1I	J14	GPIO99			EM2A1	EQEP1I				
SCITXDD	10/J1.10	GPIO104	SDAA		EM2A6	EQEP3A	SCITXDD			
SCIRXDD	9/J1.9	GPIO105	SCLA		EM2A7	EQEP3B	SCIRXDD			
LED5	6/J1.6	GPIO111			EM2BA0					
SPISIMOC/WIZNET	17/J2.7	GPIO122					SPISIMOC			
SPISOMIC/WIZNET	18/J2.8	GPIO123					SPISOMIC			
SPICLKC/WIZNET	13/J2.3	GPIO124					SPICLKC			
WIZNET CS	12/J2.2	GPIO125					SPISTEC			
LED6	57/J6.7	GPIO130							SD2_D1 (I)	
LED7	58/J6.8	GPIO131							SD2_C1 (I)	
SCIRXDC/ESP8266	43/J5.3	GPIO139					SCIRXDC (I)			
LED13	72/J8.2	PWMDAC3	GPIO157	EPWM7A (O)						
LED14	71/J8.1	PWMDAC4	GPIO158	EPWM7B (O)						
LED15	32/J4.2	PWMDAC1	GPIO159	EPWM8A (O)						
LED16	31/J4.1	PWMDAC2	GPIO160	EPWM8B (O)						

ADC and DAC LaunchPad Pins

23/J3.3	ADCIN14	CMPIN4P		J21.1	ADCIND0	COMIN7P	
24/J3.4	ADCINC3	CMPIN6N		J21.3	ADCIND1	CMPIN7N	
25/J3.5	ADCINB3	CMPIN3N		J21.5	ADCIND2	CMPIN8P	
26/J3.6	ADCINA3	CMPIN1N	Joystick Y	J21.7	ADCIND3	CMPIN8N	
27/J3.7	ADCINC2	CMPIN6P					
28/J3.8	ADCINB2	CMPIN3P		Solder BNC	ADCIND4		
29/J3.9	ADCINA2	CMPIN1P	Joystick X	Solder BNC	ADCIND5		
30/J3.10	ADCINA0	DACA					
63/J7.3	ADCIN15	CMPIN4N					
64/J7.4	ADCINC5	CMPIN5N					
65/J7.5	ADCINB5						
66/J7.6	ADCINA5	CMPIN2N					
67/J7.7	ADCINC4	CMPIN5P					
68/J7.8	ADCINB4		Microphone				
69/J7.9	ADCINA4	CMPIN2P					
70/J7.10	ADCINA1	DACB					