

PIC12F609/615/617/12HV609/615

TABLE 1-2: PIC12F615/617/HV615 PINOUT DESCRIPTION

Name	Function	Input Type	Output Type	Description
GP0/AN0/CIN+/P1B/ICSPDAT	GP0	TTL	CMOS	General purpose I/O with prog. pull-up and interrupt-on-change
	AN0	AN	—	A/D Channel 0 input
	CIN+	AN	—	Comparator non-inverting input
	P1B	—	CMOS	PWM output
	ICSPDAT	ST	CMOS	Serial Programming Data I/O
GP1/AN1/CIN0-/VREF/ICSPCLK	GP1	TTL	CMOS	General purpose I/O with prog. pull-up and interrupt-on-change
	AN1	AN	—	A/D Channel 1 input
	CIN0-	AN	—	Comparator inverting input
	VREF	AN	—	External Voltage Reference for A/D
	ICSPCLK	ST	—	Serial Programming Clock
GP2/AN2/T0CKI/INT/COU/CCP1/P1A	GP2	ST	CMOS	General purpose I/O with prog. pull-up and interrupt-on-change
	AN2	AN	—	A/D Channel 2 input
	T0CKI	ST	—	Timer0 clock input
	INT	ST	—	External Interrupt
	COU	—	CMOS	Comparator output
	CCP1	ST	CMOS	Capture input/Compare input/PWM output
	P1A	—	CMOS	PWM output
GP3/T1G*/MCLR/VPP	GP3	TTL	—	General purpose input with interrupt-on-change
	T1G*	ST	—	Timer1 gate (count enable), alternate pin
	MCLR	ST	—	Master Clear w/internal pull-up
	VPP	HV	—	Programming voltage
GP4/AN3/CIN1-/T1G/P1B*/OSC2/CLKOUT	GP4	TTL	CMOS	General purpose I/O with prog. pull-up and interrupt-on-change
	AN3	AN	—	A/D Channel 3 input
	CIN1-	AN	—	Comparator inverting input
	T1G	ST	—	Timer1 gate (count enable)
	P1B*	—	CMOS	PWM output, alternate pin
	OSC2	—	XTAL	Crystal/Resonator
	CLKOUT	—	CMOS	Fosc/4 output
GP5/T1CKI/P1A*/OSC1/CLKIN	GP5	TTL	CMOS	General purpose I/O with prog. pull-up and interrupt-on-change
	T1CKI	ST	—	Timer1 clock input
	P1A*	—	CMOS	PWM output, alternate pin
	OSC1	XTAL	—	Crystal/Resonator
	CLKIN	ST	—	External clock input/RC oscillator connection
VDD	VDD	Power	—	Positive supply
VSS	VSS	Power	—	Ground reference

* Alternate pin function.

Legend: AN=Analog input or output CMOS=CMOS compatible input or output HV= High Voltage
ST=Schmitt Trigger input with CMOS levels TTL = TTL compatible input XTAL=Crystal