

SSWG - Assigned Pins on PIC16F15376 and correspondence on PIC16F15376 Curiosity Nano

PORT	Function	PIC® pin#	CNano pin#	Notes
RA0/AN0	Potentiometer	2	35	
RA1	Servo Output	3	36	put 1kΩ in series
RA3	LED1	5	38	
RA4	LED2	6	39	
RA5	LED3	7	40	
RB0	PWM Output - normal	33	16	put 1kΩ in series
RB1	PWM Output - inverted	34	10	put 1kΩ in series
RB3	Switch3	36	17	
RB4	Switch1	37	18	
RB5	LCD - RW	38	30	
RB6	ICSP - Clock	39	don't needed	Curiosity Nano doesn't need the ICSP
RB7	ICSP - Data	40	don't needed	Curiosity Nano doesn't need the ICSP
RC0	LCD - Enable	15	28	On Curiosity Nano must be enabled
RC1	Switch2	16	29	On Curiosity Nano must be enabled
RC2	Encoder A	17	7	
RC3	Encoder B	18	8	
RC4	Encoder Switch	23	11	
RD0	NCO Full range enable (to GND)	19	20	
RD2	NCO Output	21	22	put 1kΩ in series
RD3	LCD - RS	22	23	
RD4	LCD - D4	27	14	
RD5	LCD - D5	28	31	
RD6	LCD - D6	29	32	
RD7	LCD - D7	30	33	
RE0	LED0	8	26	There's already a led on the Curiosity Nano
RE2	SWITCH0 (to GND)	10	6	There's already a switch on Curiosity Nano
RE3	ICSP - MCLR	1	don't needed	Curiosity Nano doesn't need the ICSP
VDD	+5V	11,32	43 (VTG)*	*Put VOFF (pin47) to GND First!!
VSS	GND	12,31	15,24,25,34,44	

Pins# on Curiosity Nano are considered having the USB port on the left, so the NC pin is the #1 and the VBUS is the #48

Colors used

	Leds
	LCD Display
	User Interface
	Outputs
	Programming Pins