

dsPIC30F4011 Pin Functions for Primus

Pin	Functions	Primus (NOKIA LCD)
1	/MCLR	reset
2	EMUD3/AN0/VREF+/CN2/RB0	left forward sensor
3	EMUC3/AN1/VREF-/CN3/RB1	left diagonal sensor
4	AN2/SS1/CN4/RB2	left side sensor
5	AN3/INDX/CN5/RB3	right side sensor
6	AN4/QEA/IC7/CN6/RB4	UP button
7	AN5/QEB/IC8/CN7/RB5	DN button
8	AN6/OCFA/RB6	right diagonal sensor
9	AN7/RB7	right forward sensor
10	AN8/RB8	battery voltage monitor
11	VDD	VDD
12	VSS	VSS
13	OSC1/CLKI	8MHz resonator
14	OSC2/CLKO/RC15	8MHz resonator
15	EMUD1/SOSCI/T2CK/U1ATX/CN1/RC13	left stepper count input
16	EMUC1/SOSCO/T1CK/U1ARX/CN0/RC14	right stepper count input
17	FLTA/INT0/RE8	GO button
18	EMUD2/OC2/IC2/INT2/RD1	right motor direction
19	OC4/RD3	LED_B and SPKR
20	VSS	VSS
21	VDD	VDD
22	OC3/RD2	LED_A
23	EMUC2/OC1/IC1/INT1/RD0	right motor step
24	SCK1/RF6	LCD clock
25	PGD/EMUD/U1TX/SDO1/SCL/RF3	programmer and LCD Data
26	PGC/EMUC/U1RX/SDI1/SDA/RF2	programmer clock
27	U2TX/CN18/RF5	Serial TX
28	U2RX/CN17/RF4	Serial RX
29	C1TX/RF1	LCD command/data
30	C1RX/RF0	LCD select
31	VSS	VSS
32	VDD	VDD
33	PWM3H/RE5	motor enable
34	PWM3L/RE4	side emitters
35	PWM2H/RE3	diagonal emitters
36	PWM2L/RE2	forward emitters
37	PWM1H/RE1	left motor direction
38	PWM1L/RE0	left motor step
39	AVSS	AVSS
40	AVDD	AVDD

(15/09/07)