

cCARD Pinout:			F28377D (180pin)		
HSEC pin	MCU pin	HSEC function	HSEC function	MCU pin	HSEC pin
1	GPIO-71 **	JTAG-EMU1	JTAG-EMU0	GPIO-70 **	2
3	TMS	JTAG-TMS	JTAG-TRSTn	TRSTn	4
5	TCK	JTAG-TCK	JTAG-TDO	TDO	6
7		GND	JTAG-TDI	TDI	8
9	ADC-A0, DAC	ADC1 (and/or DACA)	GND		10
11	ADC-A1, DAC	ADC1 (and/or DACB)	ADC2	ADC-B0	12
13		Rsvd	ADC2	ADC-B1	14
15	ADC-A2, COMP+	ADC1 (and/or CMPIN+)	Rsvd		16
17	ADC-A3	ADC1	ADC2	ADC-B2, COMP+	18
19		GND	ADC2	ADC-B3	20
21	ADC-A4, COMP+	ADC1 (and/or CMPIN+)	GND		22
23	ADC-A5	ADC1	ADC2	ADC-B4, COMP+	24
25	ADC-Cal0, COMP+	ADC (and/or CMPIN+)	ADC2	ADC-B5	26
27	ADC-Cal1	ADC	ADC	ADC-D0, COMP+	28
29		Rsvd	ADC	ADC-D1	30
31	ADC-C2, COMP+	ADC	Rsvd		32
33	ADC-C3	ADC	ADC	ADC-D2, COMP+	34
35		GND	ADC	ADC-D3	36
37	ADC-C4	ADC	GND		38
39	ADC-C5	ADC	ADC	ADC-D4	40
41		Rsv	ADC	ADC-D5	42
43		A-GND (VREFLO on certain MCU)	Rsv		44
45	All VREFHs *	Rsv (VREFHI on certain MCU)	GND		46
47		GND	SV0		48
49	GPIO-00	PWM1A	PWM3A	GPIO-04	50
51	GPIO-01	PWM1B	PWM3B	GPIO-05	52
53	GPIO-02	PWM2A	PWM4A	GPIO-06	54
55	GPIO-03	PWM2B	PWM4B	GPIO-07	56
57	GPIO-08	PWM5A	PWM7A or TZ1	GPIO-12	58
59	GPIO-09	PWM5B	PWM7B or TZ2	GPIO-13	60
61	GPIO-10	PWM6A	PWM8A or TZ3	GPIO-14	62
63	GPIO-11	PWM6B	PWM8B or TZ1/4	GPIO-15	64
65		GND	12V0?		66
67	GPIO-16	SPISIOA	QEP1A (McBSP-MDXA)	GPIO-20	68
69	GPIO-17	SPISOMIA	QEP1B (McBSP-MDRX)	GPIO-21	70
71	GPIO-18	SPICLK_A	QEP1S (McBSP-MFSXA)	GPIO-22	72
73	GPIO-19	SPISTEA	QEP1I (McBSP-MCLKXA)	GPIO-23	74
75	GPIO-24	ECAP1 or SPISIMOB	SCIRXA	GPIO-28	76
77	GPIO-25	ECAP2 or SPISOMIB	SCITXA	GPIO-29	78
79	GPIO-26	ECAP3 or SPICLK_B	CANRXA	GPIO-30	80
81	GPIO-27	ECAP4 or SPISTEB	CANTXA	GPIO-31	82
83		GND	SV0		84
85	GPIO-32	I2CSDAA	GPIO	GPIO-34	86
87	GPIO-33	I2CSCLA	GPIO	GPIO-39	88
89	GPIO-40	GPIO	GPIO	GPIO-44	90
91	GPIO-41	GPIO	GPIO	GPIO-45	92
93	GPIO-42	GPIO	GPIO	GPIO-46	94
95	GPIO-43	GPIO	GPIO	GPIO-47	96
97		GND	SV0		98
99	GPIO-48	GPIO	QEP2A or GPIO	GPIO-54	100
101	GPIO-49	GPIO	QEP2B or GPIO	GPIO-55	102
103	GPIO-50	GPIO	QEP2S or GPIO	GPIO-56	104
105	GPIO-51	GPIO	QEP2I or GPIO	GPIO-57	106
107	GPIO-52	GPIO	GPIO (McBSP-MCLKRA)	GPIO-58	108
109	GPIO-53	GPIO	GPIO (McBSP-MFSRA)	GPIO-59	110
111		GND	SV0		112
113		Rsv	Rsv		114
115		Rsv	Rsv		116
117		Rsv	Rsv		118
119		Rsv	Device Reset (Active low)	XRSn	120
121	GPIO-35	GPIO	GPIO	GPIO-36	122
123	GPIO-37	GPIO	GPIO	GPIO-38	124
125	GPIO-60	GPIO	GPIO	GPIO-61	126
127	GPIO-62	GPIO	GPIO	GPIO-63	128
129	GPIO-64	GPIO	GPIO	GPIO-65	130
131	GPIO-66	GPIO	GPIO	GPIO-67	132
133	GPIO-68	GPIO	GPIO	GPIO-69	134
135		GND	12V0?		136
137	GPIO-70	GPIO	GPIO	GPIO-71	138
139	GPIO-72	GPIO	GPIO	GPIO-73	140
141	GPIO-74	GPIO	GPIO	GPIO-75	142
143	GPIO-76	GPIO	GPIO	GPIO-77	144
145	GPIO-78	GPIO	GPIO	GPIO-79	146
147	GPIO-80	GPIO	GPIO	GPIO-81	148
149	GPIO-82	GPIO	GPIO	GPIO-83	150
151	GPIO-84	GPIO	GPIO	GPIO-85	152
153	GPIO-86	GPIO	GPIO	GPIO-87	154
155	GPIO-88	GPIO	GPIO	GPIO-89	156
157		GND	SV0		158
159	GPIO-90	GPIO	GPIO	GPIO-91	160
161	GPIO-92	GPIO	GPIO	GPIO-93	162
163	GPIO-94	GPIO	GPIO	GPIO-133	164
165	GPIO-120	GPIO	GPIO	GPIO-121	166
167	GPIO-161	GPIO	GPIO	GPIO-162	168
169	GPIO-163	GPIO	GPIO	GPIO-164	170
171		Rsv	Rsv		172
173		Rsv	Rsv		174
175		Rsv	Rsv		176
177		Rsv	12V0?		178
179		GND	SV0		180

* Switches may be altered to connect VREFHs to the HSEC connector
 ** 0ohm resistors can be removed in order to tie GPIO-70 and 71 to EMU0 and EMU1