

cCARD Pinout:			F28M36x (180pin)		
HSEC pin	MCU pin	HSEC function	HSEC function	MCU pin	HSEC pin
1	EMU1	JTAG-EMU1	JTAG-EMU0	EMU0	2
3	TMS	JTAG-TMS	JTAG-TRSTn	TRSTn	4
5	TCK	JTAG-TCK	JTAG-TDO	TDO	6
7		GND	JTAG-TDI	TDI	8
9	ADC1-A0	ADC1 (and/or DACA)	GND		10
11	ADC1-A7	ADC1 (and/or DACB)	ADC2	ADC2-A0	12
13		Rsvd	ADC2	ADC2-A7	14
15	ADC1-A2, COMP+	ADC1 (and/or CMPIN+)	Rsvd		16
17	ADC1-A3	ADC1	ADC2	ADC2-A2, COMP+	18
19		GND	ADC2	ADC2-A3	20
21	ADC1-A4, COMP+	ADC1 (and/or CMPIN+)	GND		22
23	ADC1-A6, COMP+ **	ADC1	ADC2	ADC2-A4, COMP+	24
25	ADC1-B0 **	ADC (and/or CMPIN+)	ADC2	ADC2-A6, COMP+	26
27	ADC1-B7	ADC	ADC	ADC2-B0	28
29		Rsvd	ADC	ADC2-B7	30
31	ADC1-B2	ADC	Rsvd		32
33	ADC1-B3	ADC	ADC	ADC2-B2	34
35		GND	ADC	ADC2-B3	36
37	ADC1-B4	ADC	GND		38
39	ADC1-B6	ADC	ADC	ADC2-B4	40
41		ADC-Cal1	ADC	ADC2-B6	42
43		A-GND (VREFLO on certain MCU)	ADC-Cal2		44
45	VREFH1 & VREFH2	Rsv (VREFHI on certain MCU)	GND		46
47		GND	SV0		48
Port A0	49	GPIO-00	PWM3A	GPIO-04	50
Port A1	51	GPIO-01	PWM3B	GPIO-05	52
Port A2	53	GPIO-02	PWM4A	GPIO-06	54
Port A3	55	GPIO-03	PWM4B	GPIO-07	56
Port B0	57	GPIO-08	PWM7A or TZ1	GPIO-12	58
Port B1	59	GPIO-09	PWM7B or TZ2	GPIO-13	60
Port B2	61	GPIO-10	PWM8A or TZ3	GPIO-14	62
Port B3	63	GPIO-11	PWM8B or TZ1/4	GPIO-15	64
	65		12V0?		66
Port D0	67	GPIO-16	QEP1A	GPIO-20	68
Port D1	69	GPIO-17	QEP1B	GPIO-21	70
Port D2	71	GPIO-18	QEP1S	GPIO-22	72
Port D3	73	GPIO-19	QEP1I	GPIO-23	74
Port E0	75	GPIO-24	SCIRXA	GPIO-28	76
Port E1	77	GPIO-25	SCITXA	GPIO-29	78
Port E2	79	GPIO-26	CANRXA	GPIO-30	80
Port E3	81	GPIO-27	CANTXA	GPIO-31	82
	83		SV0		84
Port F0	85	GPIO-32	GPIO	GPIO-34	86
Port F1	87	GPIO-33	GPIO	GPIO-39	88
Port G0	89	GPIO-40	GPIO	GPIO-44	90
Port G1	91	GPIO-41	GPIO	GPIO-45	92
Port G2	93	GPIO-42	GPIO	GPIO-46	94
Port G3	95	GPIO-43	GPIO	GPIO-47	96
	97		SV0		98
Port H0	99	GPIO-48	QEP2A (GPIO)	GPIO-54	100
Port H1	101	GPIO-49	QEP2B (GPIO)	GPIO-55	102
Port H2	103	GPIO-50	QEP2S (GPIO)	GPIO-56	104
Port H3	105	GPIO-51	QEP2I (GPIO)	GPIO-57	106
Port H4	107	GPIO-52	GPIO (McBSP-MCLKRA)	GPIO-58	108
Port H5	109	GPIO-53	GPIO (McBSP-MFSRA)	GPIO-59	110
	111		SV0		112
	113		Rsv		114
	115		Rsv		116
	117		Rsv		118
	119		Device Reset (Active low)	XRSn	120
Port F3	121	GPIO-35	GPIO	GPIO-36	122
Port F5	123	GPIO-37	GPIO	GPIO-38	124
Port J4	125	GPIO-60	GPIO	GPIO-61	126
Port J6	127	GPIO-62	GPIO	GPIO-63	128
Port C0	129	GPIO-64	GPIO	GPIO-65	130
Port C2	131	GPIO-66	GPIO	GPIO-67	132
Port C4	133	GPIO-68	GPIO	GPIO-69	134
	135		12V0?		136
Port C6	137	GPIO-70	GPIO	GPIO-71	138
Port K0	139	GPIO-72	GPIO	GPIO-73	140
Port K2	141	GPIO-74	GPIO	GPIO-75	142
Port N0	143	GPIO-96	GPIO	GPIO-97	144
Port N2	145	GPIO-98	GPIO	GPIO-99	146
Port N4	147	GPIO-100	GPIO	GPIO-101	148
Port N6	149	GPIO-102	GPIO	GPIO-103	150
Port P0	151	GPIO-104	GPIO	GPIO-105	152
Port P2	153	GPIO-106	GPIO	GPIO-107	154
Port P4	155	GPIO-108	GPIO	GPIO-109	156
	157		SV0		158
Port P6	159	GPIO-110	GPIO	GPIO-111	160
Port Q0	161	GPIO-112	GPIO	GPIO-113	162
	163	A.GPIO0	GPIO	A.GPIO1	164
	165	A.GPIO2	GPIO	A.GPIO3	166
	167	A.GPIO4	GPIO	A.GPIO5	168
	169	A.GPIO6	GPIO	A.GPIO7	170
	171		Rsv		172
	173		Rsv		174
	175		Rsv		176
	177		12V0?		178
	179		SV0		180
** ADC1-B0 and ADC1-A6 can be exchanged via SW2					