Date:				cCARD Pinout:		F28377D (180pin)				HSEC Pinout:
7-May-2014										2.10
		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	ADCIN14, COMP+	ADC (and/or CMPIN+)		ADC2	ADC-B5	26		
		27	ADCIN15	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 VREFHIs *	Rsv (VREFHI on certain MCU)		GND		46		
		47		GND		5V0		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	SPISIMOA		QEP1A (McBSP-MDXA)	GPIO-20	68		
		69	GPIO-17	SPISOMIA		QEP1B (McBSP-MDRA)	GPIO-21	70		
		71	GPIO-18	SPICLKA		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 SPICLKB		CANRXA	GPIO-30	80		
		81	GPIO-27	ECAP4 or SPISTEB		CANTXA	GPIO-31	82		
		83		GND		5V0		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		5V0		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		5V0		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		5V0		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		5V0		180		

Analog

Analog

Digital

Digital

* Switches may be altered to connect VREFHIs to the HSEC connector

** 0ohm resistors can be removed in order to tie GPIO-70 and 71 to EMU0 and EMU1

*** Can be dedicated to on-card USB or brought through the connector via jumpers on the cCARD