Date:				cCARD Pinout:	F28377D (180pin)				HSEC Pinout:
04-Mar-15									2.11
		HSEC pin 1	MCU pin GPIO-71 **	Most compatible use - HSEC cCARD standard JTAG-EMU1	Most compatible use - HSEC cCARD standard JTAG-EMU0	MCU pin GPIO-70 **	HSEC pin 2		
		3	TMS	JTAG-TMS	JTAG-TRSTn	TRSTn	4		
		5 7	TCK	JTAG-TCK GND	JTAG-TDO JTAG-TDI	TDO TDI	6 8	10 12 14	
		9 11 13 15 17	ADC-A0, DAC	ADC1 (and/or DACA)	GND				
			ADC-A1, DAC	ADC1 (and/or DACB) Rsvd	ADC2 ADC2	ADC-B0 ADC-B1	14		
			ADC-A2, COMP+ ADC-A3	ADC1 (and/or CMPIN+) ADC1	Rsvd ADC2	ADC-B2, COMP+	16 18		
				GND	ADC2	ADC-B3	20	20	
	ည	21 23	ADC-A4, COMP+ ADC-A5	ADC1 (and/or CMPIN+) ADC1	GND ADC2	ADC-B4, COMP+	22 24	Ø	
	<u></u>	25 27	ADCIN14, COMP+ ADCIN15	ADC (and/or CMPIN+) ADC	ADC2 ADC	ADC-B5 ADC-D0, COMP+	26 28	<u>ا</u>	
	Analog	29		Rsvd	ADC	ADC-D1	30	Analog	
	⋖	31 33	ADC-C2, COMP+ ADC-C3	ADC ADC	Rsvd ADC	ADC-D2, COMP+	32 34	⋖	
		35 37	ADC-C4	GND ADC	ADC GND	ADC-D3	36		
		39	ADC-C5	ADC	ADC	ADC-D4	38 40		
		41 43		A-GND (VREFLO on certain MCU)	ADC Rsv	ADC-D5	42 44		
		45	All VREFHIS *	Rsv (VREFHI on certain MCU)	GND		46		
		47 49 51 53	GPIO-00	GND PWM1A	5V0 PWM3A	GPIO-04	48 50		
			GPIO-01 GPIO-02	PWM1B PWM2A	PWM3B PWM4A	GPIO-05 GPIO-06	52 54		
		53 55	GPIO-02 GPIO-03	PWM2A PWM2B	PWM4A PWM4B		54 56		
		57	GPIO-08	PWM5A	PWM7A or TZ1	GPIO-12	58		
		59	GPIO-09 GPIO-10	PWM5B PWM6A	PWM7B or TZ2 PWM8A or TZ3	GPIO-13 GPIO-14	60		
		61 63	GPIO-10	PWM6B	PWM8A OF 123 PWM8B or TZ4	GPIO-14 GPIO-15	64		
		65 67	GPIO-16	GND SPISIMOA	Reserved (12V0?) QEP1A (McBSP-MDXA)	GPIO-20			
		69	GPIO-17	SPISOMIA	QEP1B (McBSP-MDRA) QEP1S (McBSP-MFSXA)	GPIO-21	70		
		71 73 75 77	GPIO-18 GPIO-19	SPICLKA SPISTEA	QEP15 (McBSP-MFSXA) QEP11 (McBSP-MCLKXA)	GPIO-22 GPIO-23			
			GPIO-24 GPIO-25	CAP1 or SPISIMOB CAP2 or SPISOMIB	SCIRXA/UARTRXA SCITXA/UARTTXA	GPIO-28 GPIO-29			
		79	GPIO-26	CAP3 or SPICLKB	CANRXA	GPIO-30	80		
		81 83	GPIO-27	CAP4 or SPISTEB GND	CANTXA 5V0	GPIO-31	82 84		
		85 87 89	GPIO-32 GPIO-33	I2CSDAA I2CSCLA	GPIO GPIO	GPIO-34 GPIO-39			
			GPIO-40	GPIO	GPIO	GPIO-44	88 90		
		91 93	GPIO-41 GPIO-42 ***	GPIO GPIO	GPIO GPIO	GPIO-45 GPIO-46 ***	92 94		
		95	GPIO-43 ***	GPIO	GPIO	GPIO-47 ***	96		
		97 99	GPIO-48	GND GPIO	QEP2A or GPIO	GPIO-54	100		
		101 103	GPIO-49 GPIO-50	GPIO GPIO	QEP2B or GPIO QEP2S or GPIO	GPIO-55 GPIO-56	102 104		
		105	GPIO-51	GPIO	QEP2I or GPIO	GPIO-57	106		
	_	107 109	GPIO-52 GPIO-53	GPIO GPIO	GPIO (McBSP-MCLKRA) GPIO (McBSP-MFSRA)	GPIO-58 GPIO-59	108 110	<u></u>	
	ta	111 113		GND Rsv	5V0 Rsv		112 114	igital	
	Digital	115		Rsv	Rsv		116	Dig	
		117 119		Rsv Rsv	Rsv Device Reset (Active low)	XRSn	118 120		
		121	GPIO-35	GPIO	GPIO	GPIO-36	122		
		123 125	GPIO-37 GPIO-60	GPIO GPIO	GPIO GPIO	GPIO-38 GPIO-61	124 126		
		127	GPIO-62	GPIO GPIO	GPIO GPIO	GPIO-63	128		
		129 131	GPIO-66	GPIO	GPIO	GPIO-65 GPIO-67	130 132		
		133 135	GPIO-68	GPIO GND	GPIO Reserved (12V0?)	GPIO-69	134 136		
		137	GPIO-70	GPIO	GPIO	GPIO-71	138		
		139 141	GPIO-72 GPIO-74	GPIO GPIO	GPIO GPIO	GPIO-73 GPIO-75			
		143 145	GPIO-76 GPIO-78	GPIO GPIO	GPIO GPIO	GPIO-77 GPIO-79	144 146		
		147	GPIO-80	GPIO	GPIO	GPIO-81	148		
		149 151	GPIO-82 GPIO-84	GPIO GPIO	GPIO GPIO	GPIO-83 GPIO-85	150 152		
		153 155	GPIO-86 GPIO-88	GPIO GPIO	GPIO	GPIO-87 GPIO-89	154		
		157		GND	GPIO 5V0		156 158		
		159 161	GPIO-90 GPIO-92	GPIO GPIO	GPIO GPIO	GPIO-91 GPIO-93	160 162		
		163	GPIO-94	GPIO GPIO	GPIO GPIO	GPIO-133 GPIO-121 ***	164		
		165 167	GPIO-120 *** GPIO-161	GPIO	GPIO	GPIO-162	166 168		
		169 171	GPIO-163	GPIO Rsv	GPIO Rsv	GPIO-164	170 172		
		173		Rsv	Rsv		174		
		175 177		Rsv Rsv	Rsv Reserved (12V0?)		176 178		
		179		GND	5V0		180		
+									
				this HSEC pin to the MCU's VREFHI inputs					
				order to tie GPIO-70 and 71 to EMU0 and EMU1 or brought through the connector via jumpers on the cCARD					
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