

Date:		cCARD Pinout:		F28379D (180pin)		HSEC Pinout:		
09Jun2022						2.17		
Analog	HSEC pin	MCU pin	MCU Usage for Std	HSEC cCARD standard	HSEC cCARD standard	MCU Usage for Std	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		GND	JTAG-TDI		TDI	8
	9	ADC-A0, DAC		ADC1 (and/or DACA)	GND		GND	10
	11	ADC-A1, DAC		ADC1 (and/or DACB)	ADC2		ADC-B0	12
	13	NC		GND	ADC2		ADC-B1	14
	15	ADC-A2, COMP+		ADC1 (and/or CMPIN+)	GND		NC	16
	17	ADC-A3		ADC1	ADC2		ADC-B2, COMP+	18
	19	GND		GND	ADC2		ADC-B3	20
	21	ADC-A4, COMP+		ADC1 (and/or CMPIN+)	GND		GND	22
	23	ADC-A5		ADC1	ADC2		ADC-B4	24
	25	ADCIN14, COMP+		ADC (and/or CMPIN+)	ADC2		ADC-B5	26
	27	ADCIN15		ADC	ADC		ADC-D0, COMP+	28
	29	NC		GND	AD0		ADC-D1	30
	31	ADC-C2, COMP+		ADC	Rsv			32
	33	ADC-C3		ADC	ADC		ADC-D2, COMP+	34
	35	GND		GND	ADC		ADC-D3	36
	37	ADC-C4, COMP+		ADC	GND		GND	38
	39	ADC-C5		ADC	ADC		ADC-D4	40
Digital	41	-		Rsv	ADC		ADC-D5	42
	43	NC		VREFLO	Rsv		-	44
	45	All VREFHIs *		VREFHI	GND		GND	46
	47	GND		GND	SV0		SV0	48
	49	GPIO-00		PWM1A	PWM3A		GPIO-04	50
	51	GPIO-01		PWM1B	PWM3B		GPIO-05	52
	53	GPIO-02		PWM2A	PWMA		GPIO-06	54
	55	GPIO-03		PWM2B	PWMB		GPIO-07	56
	57	GPIO-08		PWMA	PWMA or TZ1 or FSIRX-D0		GPIO-12	58
	59	GPIO-09		PWMB	PWMB or TZ2 or FSIRX-CLK		GPIO-13	60
	61	GPIO-10		PWMA	PWMA or TZ3		GPIO-14	62
	63	GPIO-11		PWMB or FSIRX-D1	PWMB or TZ4		GPIO-15	64
	65	GND		GND	Rsv			66
	67	GPIO-16		SPISIMO	QEPA or McBSP-MDX		GPIO-20	68
	69	GPIO-17		SPISOMI	QEPB or McBSP-MDR		GPIO-21	70
	71	GPIO-18		SPICLK	QEPA or McBSP-MCLKX		GPIO-22	72
	73	GPIO-19		SPISTE	QEPI or McBSP-MFSX		GPIO-23	74
	75	GPIO-24		eCAP or SPISIMO	SCIRX/UARTRX		GPIO-28	76
	77	GPIO-25		eCAP or SPISOMI or FSITX-D1	SCITX/UARTTX or ERRORSTS		GPIO-29	78
	79	GPIO-26		eCAP or SPICLK or FSITX-D0	CANRX		GPIO-30	80
	81	GPIO-27		eCAP or SPISTE or FSITX-CLK	CANTX		GPIO-31	82
83	GND		GND	SV0		SV0	84	
85	GPIO-32		I2CSDA	GPIO		GPIO-34	86	
87	GPIO-33		I2CSCL	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		GND	SV0		SV0	98	
99	GPIO-48		SD-D	QEPA		GPIO-54	100	
101	GPIO-49		SD-C	QEPB		GPIO-55	102	
103	GPIO-50		SD-D	QEPA		GPIO-56	104	
105	GPIO-51		SD-C	QEPI		GPIO-57	106	
107	GPIO-52		SD-D	GPIO or McBSP-MCLKR		GPIO-58	108	
109	GPIO-53		SD-C	GPIO or McBSP-MFSR		GPIO-59	110	
111	GND		GND	SV0		SV0	112	
113	-		Rsv	Rsv		-	114	
115	-		Rsv	Rsv		-	116	
117	-		Rsv	VDD		NC	118	
119	NC		VDDIO	Device Reset (Active low)		XRSn	120	
Digital	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		GND	Rsv		-	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		GND	SV0		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	ERRORSTS		NC	178	
179	GND		GND	SV0		SV0	180	