

Date:		cCARD Pinout:				F28P551X				HSEC Pinout:	
07Feb2025										2.17	
	HSEC pin	MCU pin	MCU Usage for Std	HSEC cCARD standard		HSEC cCARD standard	MCU Usage for Std		MCU pin	HSEC pin	
	1	-		JTAG-EMU0		JTAG-EMU0			-	2	
	3	TMS		JTAG-TMS		JTAG-TRSTn			-	4	
	5	TCK		JTAG-TCK		JTAG-TDO			GPIO-37/TDO	6	
	7			GND		JTAG-TDI			GPIO-35/TDI	8	
Analog	9	A0, B15, C15, DACA_OUT		ADC1 (and/or DACA)		GND				10	
	11	A1, B7, D11, DACB_OUT		ADC1 (and/or DACB)		ADC2			B3, GPIO242, PGA2_INP	12	
	13	-		GND		ADC2			B2, C6, E12, GPIO226	14	
	15	A2, B6, C9, PGA1_INP, GPIO224		ADC1 (and/or CMPIN+)		GND				16	
	17	A4, B8		ADC1		ADC2			B12, C2, PGA2_INM	18	
	19	-		GND		ADC2			B4, C8, GPIO236	20	
	21	A5		ADC1 (and/or CMPIN+)		GND				22	
	23	A6, D14, E14, GPIO228		ADC1		ADC2			B11, D16, E16, PGA3_INM	24	
	25	A10, B1, C10, GPIO230		ADC (and/or CMPIN+)		ADC2			B5, D15, E15, PGA3_OUT	26	
	27	A11, B10, C0, PGA2_OUT		ADC		ADC			C1, E11, PGA3_INP	28	
	29	-		GND		ADC			A8	30	
	31	B0, C11, GPIO253		ADC		Rsv			-	32	
	33	A7, B30, C3, D12, E30		ADC		ADC			A9, GPIO227	34	
	35	-		GND		ADC			A14, B14, C4, PGA1_OUT	36	
	37	A12, C5		ADC		GND				38	
	39	A3, B9, C7, PGA1_INM		ADC		ADC			C14, GPIO247	40	
	41	-		Rsv		ADC			-	42	
	43	A13, B13, C13, D13, E13, VREFLO		VREFLO		Rsv			-	44	
	45	D20, E20, VREFH		VREFHI		GND				46	
	47	-		GND		SVD				48	
Digital	49	GPIO-00		PWMA		PWMA			GPIO-04	50	
	51	GPIO-01		PWM1A		PWM1B			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		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/X2 ##		SPICLK		QEPA or McBSP-MCLKX			GPIO-22	72	
	73	GPIO-19/X1 ##		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		SVD			-	84	
	85	GPIO-32 **		I2CSDA		GPIO			GPIO-34	86	
	87	GPIO-33		I2CSCL		GPIO			GPIO-37/TDO	88	
	89	GPIO-40		GPIO		GPIO			GPIO-35/TDI	90	
	91	GPIO-41		GPIO		GPIO			GPIO-44	92	
	93	GPIO-47		GPIO		GPIO			GPIO-58	94	
	95	GPIO-59		GPIO		GPIO			GPIO-60	96	
	97	-		GND		SVD			-	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-61	108	
	109	GPIO-53		SD-C		GPIO or McBSP-MFSR			GPIO-59	110	
	111	-		GND		SVD			-	112	
	113	-		Rsv		Rsv			-	114	
	115	-		Rsv		Rsv			-	116	
	117	-		Rsv		Rsv			-	118	
	119	VDDIO		VDDIO		Device Reset (Active low)			XSnn	120	
	121	-		GPIO		GPIO				122	
	123	-		GPIO		GPIO				124	
	125	-		GPIO		GPIO				126	
	127	-		GPIO		GPIO				128	
	129	-		GPIO		GPIO				130	
	131	-		GPIO		GPIO				132	
	133	-		GPIO		GPIO				134	
	135	-		GND		Rsv			-	136	
	137	-		GPIO		GPIO				138	
	139	-		GPIO		GPIO				140	
	141	-		GPIO		GPIO				142	
	143	-		GPIO		GPIO				144	
	145	-		GPIO		GPIO				146	
	147	-		GPIO		GPIO				148	
	149	-		GPIO		GPIO				150	
	151	-		GPIO		GPIO				152	
	153	-		GPIO		GPIO				154	
	155	-		GPIO		GPIO				156	
	157	-		GND		SVD			-	158	
	159	-		GPIO		GPIO				160	
	161	-		GPIO		GPIO				162	
	163	-		GPIO		GPIO				164	
	165	-		GPIO		GPIO				166	
	167	-		GPIO		GPIO				168	
	169	-		GPIO		GPIO				170	
	171	-		Rsv		Rsv			-	172	
	173	-		Rsv		Rsv			-	174	
	175	-		Rsv		Rsv			-	176	
	177	-		Rsv		ERRORSTS			-	178	
	179	-		GND		SVD			-	180	