

Date:		cCARD Pinout:				F28P55X				HSEC Pinout:	
01Apr2024										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-EMU1		JTAG-EMU0		-	2		
	3	TMS	TMS	JTAG-TMS		JTAG-TRSTn		-	4		
	5	TCK	TCK	JTAG-TCK		JTAG-TDO	TDO	GPIO37/TDO	6		
	7			GND		JTAG-TDI	TDI	GPIO35/TDI	8		
	9	A0, B15, C15, DACA_OUT	Analog, DACA	ADC1 (and/or DACA)		GND			10		
	11	A1, B7, D11, DACB_OUT	Analog, DACB	ADC1 (and/or DACB)		ADC2	Analog	B26, D7, E7	12		
	13	A15, B9, C7, PGA1_INM	Analog, PGA1_INM	GND		ADC2	Analog	B27, D10, E10, GPIO213	14		
	15	A2, B6, C9, PGA1_INP, GPIO224	Analog, PGA1_INP	ADC1 (and/or CMPIN+)		GND	Analog, PGA3_INM	B11, D16, E16, PGA3_INM	16		
	17	C25, D5, E5	Analog	ADC2		ADC2	Analog, PGA3_INP	A12, C1, E11, PGA3_INP	18		
	19	A5, B12, C2, PGA2_INM	Analog, PGA2_INM	GND		ADC2	Analog	A10, B1, C10, GPIO230	20		
	21	A3, B3, PGA2_INP, C5, GPIO242	Analog, PGA2_INP	ADC1 (and/or CMPIN+)		GND			22		
	23	A14, B14, C4, PGA1_OUT	Analog	ADC1		ADC2	Analog	B4, C8, GPIO236	24		
	25	A6, D14, E14, GPIO228	Analog	ADC (and/or CMPIN+)		ADC2	Analog	A4, B8, C14	26		
	27	B5, D15, E15, PGA3_OUT	Analog	ADC		ADC	Analog	B2, C6, E12, GPIO226	28		
	29			GND		ADC	Analog	A7, B30, C3, D12, E30	30		
	31	A9, GPIO227	Analog	ADC		Rsv		RSV	32		
	33	A11, B10, C0, PGA2_OUT	Analog	ADC		ADC	Analog	A8, B0, C11	34		
	35	GND		GND		ADC	Analog	C26, D8, E8, GPIO211	36		
	37	A26, D6, E6	Analog	ADC		GND			38		
	39	A27, D9, E9, GPIO212	Analog	ADC		ADC	Analog	A28, D19, E19, GPIO215	40		
	41	-		Rsv		ADC	Analog	C27, D18, E18, GPIO214	42		
	43	A13, B13, C13, D13, E13, VREFLO	VREFLO	VREFLO		Rsv			44		
	45	D20, E20, VREFHI	VREFHI	VREFHI		GND			46		
	47			GND		SVO			48		
	49	GPIO0	PWM1A	PWM1A		PWM3A	PWM3A	GPIO4	50		
	51	GPIO1	PWM1B	PWM1B		PWM3B	PWM3B	GPIO5	52		
	53	GPIO2	PWM2A	PWM2A		PWM4A	PWM4A	GPIO6	54		
	55	GPIO3	PWM2B	PWM2B		PWM4B	PWM4B	GPIO7	56		
	57	GPIO8	PWM5A	PWMA		PWM7A, FSIRXA-D0	PWM7A, FSIRXA-D0	A20, B20, C20, GPIO12	58		
	59	GPIO9	PWM5B	PWMB		PWMB or TZ2 or FSIRX-CLK	PWM7B, FSIRXA-CLK	A19, B19, C19, GPIO13	60		
	61	GPIO10	PWM6A	PWMA		PWMA or TZ3	PWM8A	GPIO14	62		
	63	A24, D0, E0, GPIO11	PWM6B, FSIRXA-D1	PWMB or FSIRX-D1		PWMB or TZ4	PWM8B	GPIO15	64		
	65			GND		Rsv			66		
	67	C24, D2, E2, GPIO16	SPIA-PICO	SPISIMO		QEPA or McBSP-MDX	QEP1-A	A17, B17, C17, GPIO20	68		
	69	A25, D3, E3, GPIO17	SPIA-POCI	SPISOMI		QEPB or McBSP-MDR	QEP1-B	A18, B18, C18, GPIO21	70		
	71	GPIO68	SPIA-CLK	SPICLK		QEPA or McBSP-MCLKX	QEP1-S	GPIO22	72		
	73	GPIO69	SPIA-PTE	SPISTE		QEPI or McBSP-MFSX	QEP1-I	GPIO59	74		
	75	GPIO60	SPIB-PICO	eCAP or SPISIMO		SCIRX/UARTRX	SCIA-RX	A16, B16, C16, GPIO28	76		
	77	GPIO25	SPIB-POCI, FSITXA-D1	eCAP or SPISOMI or FSITX-D1		SCITX/UARTRX or ERRORSTS	SCIA-TX	GPIO29	78		
	79	GPIO26	SPIB-CLK, FSITXA-D0	eCAP or SPICLK or FSITX-D0		CANRX	MCANA-RX	GPIO30	80		
	81	GPIO27	SPIB-PTE, FSITXA-CLK	eCAP or SPISTE or FSITX-CLK		CANTX	MCANA-TX, LED	GPIO31	82		
	83			GND		SVO			84		
	85	GPIO66	I2CA-SDA	I2CSDA		GPIO	GPIO_LED	GPIO24	86		
	87	B24, D1, E1, GPIO33	I2CA-SCL	I2CSCL		GPIO	GPIO	GPIO40	88		
	89	GPIO42	GPIO	GPIO		GPIO	GPIO	GPIO44	90		
	91	GPIO45	GPIO	GPIO		GPIO	GPIO	GPIO46	92		
	93	GPIO47	GPIO	GPIO		GPIO	GPIO	GPIO58	94		
	95	GPIO43	GPIO	GPIO		GPIO	GPIO	GPIO61	96		
	97			GND		SVO			98		
	99	GPIO48	GPIO	SD-D		QEPA	QEP2-A	GPIO54	100		
	101	GPIO49	GPIO	SD-C		QEPB	QEP2-B	GPIO55	102		
	103	GPIO50	GPIO	SD-D		QEPA	QEP2-S	GPIO56	104		
	105	GPIO51	GPIO	SD-C		QEPI	QEP2-I	GPIO57	106		
	107	GPIO52	GPIO	SD-D		GPIO or McBSP-MCLKR	GPIO	GPIO62	108		
	109	GPIO53	GPIO	SD-C		GPIO or McBSP-MFSR	GPIO	GPIO63	110		
	111			GND		SVO			112		
	113			Rsv		Rsv			114		
	115			Rsv		Rsv			116		
	117			Rsv		Rsv			118		
	119	VDDIO	VDDIO	VDDIO		Device Reset (Active low)	XRSn	XRSn	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		SVO			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		SVO			180		