

Date:		HSEC Adapter Pinout:		AM261 SOM (Rev E1)				HSEC Pinout:	
02Jan2025								2.17	
		HSEC pin	MCU pin	MCU Usage for Std	HSEC cCARD standard	HSEC cCARD standard	MCU Usage for Std	MCU pin	HSEC pin
Analog	1	-	-	JTAG-EMU1	JTAG-EMU0	JTAG-TRSTn	-	-	2
	3	TMS	TMS	JTAG-TMS	JTAG-TMS	JTAG-TDO	-	-	4
	5	TCK	TCK	JTAG-TCK	JTAG-TCK	JTAG-TDI	TDO	TDO	6
	7	GND	-	GND	JTAG-TDI	JTAG-TDI	TDI	TDI	8
	9	ADC0_AIN0 / DAC_OUT	Analog	ADC1 (and/or DACA)	GND	-	-	GND	10
	11	ADC0_AIN1	Analog	ADC1 (and/or DACB)	ADC2	Analog	ADC1_AIN0	ADC1_AIN0	12
	13	GND	-	GND	ADC2	Analog	ADC1_AIN1	ADC1_AIN1	14
	15	ADC0_AIN2	Analog	ADC1 (and/or CMPIN+)	GND	-	-	GND	16
	17	ADC0_AIN3	Analog	ADC1	ADC2	Analog	ADC1_AIN2	ADC1_AIN2	18
	19	GND	-	GND	ADC2	Analog	ADC1_AIN3	ADC1_AIN3	20
	21	ADC0_AIN4	Analog	ADC1 (and/or CMPIN+)	GND	-	-	GND	22
	23	ADC0_AIN5	Analog	ADC1	ADC2	Analog	ADC1_AIN4	ADC1_AIN4	24
	25	ADC2_AIN0	Analog	ADC (and/or CMPIN+)	ADC2	Analog	ADC1_AIN5	ADC1_AIN5	26
	27	ADC2_AIN1	Analog	ADC	ADC	-	-	-	28
	29	GND	-	GND	ADC	-	-	-	30
	31	ADC2_AIN2	Analog	ADC	Rsv	-	-	-	32
	33	ADC2_AIN3	Analog	ADC	ADC	-	-	-	34
	35	GND	-	GND	ADC	-	-	-	36
	37	ADC2_AIN4	Analog	ADC	GND	-	-	GND	38
	39	ADC2_AIN5	Analog	ADC	ADC	-	-	-	40
Digital	41	-	-	Rsv	ADC	-	-	-	42
	43	ADC_VREFLO_G0_G1	ADC_VREFLO	VREFLO	Rsv	-	-	-	44
	45	ADC_VREFHI_G0_G1	ADC_VREFHI_G0_G1	VREFHI	GND	-	-	GND	46
	47	GND	-	GND	SV0	-	-	SV0_IN	48
	49	EPWM0_A	EPWM0_A	PWM1A	PWM3A	EPWM2_A	EPWM2_A	EPWM2_A	50
	51	EPWM0_B	EPWM0_B	PWM1B	PWM3B	EPWM2_B	EPWM2_B	EPWM2_B	52
	53	EPWM1_A	EPWM1_A	PWM2A	PWMA	EPWM3_A	EPWM3_A	EPWM3_A	54
	55	EPWM1_B	EPWM1_B	PWM2B	PWMB	EPWM3_B	EPWM3_B	EPWM3_B	56
	57	EPWM4_A	EPWM4_A	PWMA	PWMA or TZ1 or FSIRX-D0	EPWM6_A	EPWM6_A	EPWM6_A	58
	59	EPWM4_B	EPWM4_B	PWMB	PWMB or TZ2 or FSIRX-CLK	EPWM6_B	EPWM6_B	EPWM6_B	60
	61	EPWM5_A	EPWM5_A	PWMA	PWMA or TZ3	EPWM7_A	EPWM7_A	EPWM7_A	62
	63	EPWM5_B	EPWM5_B	PWMB or FSIRX-D1	PWMB or TZ4	EPWM7_B	EPWM7_B	EPWM7_B	64
	65	GND	-	GND	Rsv	-	-	-	66
	67	UART0_RTSN	SPi3_D0	SPISIMO	QEPA or McBSP-MDX	EQEP0_A	EQEP0_A	EQEP0_A	68
	69	UART0_CTSN	SPi3_D1	SPISOMI	QEPB or McBSP-MDR	EQEP0_B	EQEP0_B	EQEP0_B	70
	71	I2C1_SDA	SPi3_CLK	SPICLK	QEPA or McBSP-MCLKX	EQEP0_STROBE	EQEP0_STROBE	EQEP0_STROBE	72
	73	I2C1_SCL	SPi3_CS0	SPISTE	QEPI or McBSP-MFSX	EQEP0_INDEX	EQEP0_INDEX	EQEP0_INDEX	74
	75	SPI0_D1	SPI0_D1	eCAP or SPISIMO	SCIRX/UARTRX	UART0_RXD	UART0_RXD	UART0_RXD	76
	77	SPI0_D0	SPI0_D0	eCAP or SPISOMI or FSITX-D1	SCITX/UARTTX or ERRORSTS	UART0_TXD	UART0_TXD	UART0_TXD	78
	79	SPI0_CLK	SPI0_CLK	eCAP or SPICLK or FSITX-D0	CANRX	LIN1_RXD	LIN1_RXD	LIN1_RXD	80
81	SPI0_CS0	SPI0_CS0	eCAP or SPISTE or FSITX-CLK	CANTX	LIN1_TXD	LIN1_TXD	LIN1_TXD	82	
83	GND	-	GND	SV0	-	-	SV0_IN	84	
85	MMC0_CD	I2C2_SDA	I2CSDA	GPIO	GPIO124	SDFM0_CLK1	SDFM0_CLK1	86	
87	MMC0_WP	I2C2_SCL	I2CSCSCL	GPIO	GPIO121	EXT_REFCLK0	EXT_REFCLK0	88	
89	GPIO73	GPIO73	GPIO	GPIO	-	-	-	90	
91	SDFM0_CLK2	GPIO126	GPIO	GPIO	-	-	-	92	
93	-	-	GPIO	GPIO	-	-	-	94	
95	GPIO138	GPIO138	GPIO	GPIO	-	-	-	96	
97	GND	-	GND	SV0	-	-	SV0_IN	98	
99	SDFM0_D0	SDFM0_D0	SD-D	QEPA	-	-	-	100	
101	SDFM0_CLK0	SDFM0_CLK0	SD-C	QEPB	-	-	-	102	
103	GPIO1	GPIO1	SD-D	QEPA	-	-	-	104	
105	GPIO82	GPIO82	SD-C	QEPI	-	-	-	106	
107	SDFM0_D1	SDFM0_D1	SD-D	GPIO or McBSP-MCLKR	MCAN0_RX	MMC0_CLK	MMC0_CLK	108	
109	SDFM0_D2	SDFM0_D2	SD-C	GPIO or McBSP-MFSR	MCAN0_TX	MMC0_CMD	MMC0_CMD	110	
111	GND	-	GND	SV0	-	-	SV0_IN	112	
113	PMIC_SAFE_OUT2	PMIC_SAFE_OUT2	Rsv/PMIC_SAFE_OUT	Rsv/PMIC_WAKE1 from CAN transceiver	PMIC_WKUP2	PMIC_WKUP2	PMIC_WKUP2	114	
115	-	-	Rsv	Rsv	-	-	-	116	
117	VDD_5V0_LDO3	VDD_5V0_LDO3	Rsv/SV0_OUT_CAN	VDD	-	-	NC	118	
119	3V3_OUT	-	VDDIO	Device Reset (Active low)	PORz	PORz	PORz	120	
121	SDFM0_D3	SDFM0_D3	GPIO	GPIO	-	-	-	122	
123	EPWM8_A	EPWM8_A	GPIO	GPIO	-	-	-	124	
125	EPWM8_B	EPWM8_B	GPIO	GPIO	USB0_DM	USB0_DM	USB0_DM	126	
127	EPWM9_A	EPWM9_A	GPIO	GPIO	USB0_DP	USB0_DP	USB0_DP	128	
129	EPWM9_B	EPWM9_B	GPIO	GPIO	UART2_TXD	LIN2_TXD	LIN2_TXD	130	
131	GPIO63	GPIO63	GPIO	GPIO	UART2_RXD	LIN2_RXD	LIN2_RXD	132	
133	GPIO64	GPIO64	GPIO	GPIO	GPIO67	GPIO67	GPIO67	134	
135	GND	-	GND	Rsv	-	-	-	136	
137	GPIO68	GPIO68	GPIO	GPIO	-	-	-	138	
139	GPIO69	GPIO69	GPIO	GPIO	-	-	-	140	
141	GPIO70	GPIO70	GPIO	GPIO	GPIO74	GPIO74	GPIO74	142	
143	-	-	GPIO	GPIO	GPIO136	GPIO136	GPIO136	144	
145	-	-	GPIO	GPIO	GPIO137	GPIO137	GPIO137	146	
147	-	-	GPIO	GPIO	GPIO15	GPIO15	GPIO15	148	
149	-	-	GPIO	EXT_VMON2	EXT_VMON2	EXT_VMON2	EXT_VMON2	150	
151	-	-	GPIO	GPIO	-	-	-	152	
153	-	-	GPIO	GPIO	-	-	-	154	
155	-	-	GPIO	GPIO	-	-	-	156	
157	GND	-	GND	SV0	-	-	SV0_IN	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	PMIC_COMP2_IN+	PMIC_COMP2_IN+	Rsv/PMIC_COMP2_IN+	Rsv/PMIC_WAKE2	-	-	-	172	
173	PMIC_COMP2_IN-	PMIC_COMP2_IN-	Rsv/PMIC_COMP2_IN-	Rsv/LPM_WAKE	-	-	-	174	
175	PMIC_COMP1_IN+	PMIC_COMP1_IN+	Rsv/PMIC_COMP1_IN+	Rsv	-	-	-	176	
177	PMIC_COMP1_IN-	PMIC_COMP1_IN-	Rsv/PMIC_COMP1_IN-	ERRORSTS/PMIC_SAFE_OUT1	PMIC_SAFE_OUT1	PMIC_SAFE_OUT1	PMIC_SAFE_OUT1	178	
179	GND	-	GND	SV0	-	-	SV0_IN	180	