

ピン番号	信号名	i.MX257 ピン名	Armadillo-IoT アドオンモジュールの使用機能								CON1,CON2共通機能 ^[a]
			RS232C RS00	RS232C/422/485 RS01	RS485 RS02	BLE BT00	EnOcean EN00	Wi-SUN WS00	DIDOAD DA00		
1	GND		GND	GND	GND	GND	GND	GND	GND	GND	
2	GND		GND	GND	GND	GND	GND	GND	GND	GND	
3	NC										
4	NC										
5	NC										
6	NC										
7	EXTIO37	UART1 RTS									
8	EXTIO38	UART1 CTS									
9	NC										
10	NC										
11	NC										
12	EXTIO7	CSI D4									
13	EXTIO9	CSI D5									
14	NC										
15	NC										
16	EXTIO3	CSI D2									
17	EXTIO5	CSI D3									
18	EXTIO7	CSI D4									
19	EXTIO9	CSI D5									
20	EXTIO29	KPP COL0	GPIO3 1 (EEPROM_SCL)	GPIO3 1 (EEPROM_SCL)	GPIO3 1 (EEPROM_SCL)	GPIO3 1 (EEPROM_SCL)	GPIO3 1 (EEPROM_SCL)	GPIO3 1 (EEPROM_SCL)	GPIO3 1 (EEPROM_SCL)	EEPROM_SCL	
21	EXTIO30	KPP COL1	GPIO3 2 (EEPROM_SDA)	GPIO3 2 (EEPROM_SDA)	GPIO3 2 (EEPROM_SDA)	GPIO3 2 (EEPROM_SDA)	GPIO3 2 (EEPROM_SDA)	GPIO3 2 (EEPROM_SDA)	GPIO3 2 (EEPROM_SDA)	EEPROM_SDA	
22	EXTIO31	KPP COL2									
23	EXTIO32	KPP COL3									
24	EXTIO22	GPIO_C							GPIO1 2 (DO1)	I2C_SCL/GPIO	
25	EXTIO23	GPIO_D							GPIO1 3 (DO2)	I2C_SDA/GPIO	
26	GND		GND	GND	GND	GND	GND	GND	GND	GND	
27	GND		GND	GND	GND	GND	GND	GND	GND	GND	
28	+3.3V_IO		+3.3V_IO	+3.3V_IO	+3.3V_IO	+3.3V_IO	+3.3V_IO	+3.3V_IO	+3.3V_IO	+3.3V_IO	
29	+3.3V									+3.3V	
30	+5V									+5V	
31	DETECT_CON2	-	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	
32	EXTIO1	RTCK		GPIO3 14 (HALF/FULL*)	GPIO3 14 (RS485_DE)		GPIO3 14 (PROG_EN)			GPIO0	
33	PWM01	PWM			GPIO1 26 (RS485_RE*)					GPIO1	
34	EXTIO9	CSI D5								SPI_RDY	
35	EXTIO7	CSI D4					CSPI3_SCLK (SCLKDIO1)		CSPI3_SCLK (ADC_CLK)	SPI_SCLK	
36	EXTIO5	CSI D3					CSPI3_MISO (RSDADIO3)		CSPI3_MISO (ADC_DOUT)	SPI_MISO	
37	EXTIO3	CSI D2					CSPI3_MOSI (WSDADIO2)		CSPI3_MOSI (ADC_DIN)	SPI_MOSI	
38	EXTIO38	UART1_CTS	UART1_CTS (RTS)	UART1_CTS (RTS)		UART1_CTS (CTS/PIO5)		UART1_CTS (CTS)		UART_RTS(DTE)	
39	EXTIO37	UART1_RTS	UART1_RTS (CTS)	UART1_RTS (CTS)		UART1_RTS (RTS/PIO6)		UART1_RTS (RTS)		UART_CTS(DTE)	
40	EXTIO36	UART1_TXD	UART1_TXD (TXD)	UART1_TXD (TXD)	UART1_TXD (UART_TXD)	UART1_TXD (UART_RX)	UART1_TXD (AVDO6/RXD)	UART1_TXD (RXD)		UART_TXD	
41	EXTIO35	UART1_RXD	UART1_RXD (RXD)	UART1_RXD (RXD)	UART1_RXD (UART_RXD)	UART1_RXD (UART_TX)	UART1_RXD (AVDO7/TXD)	UART1_RXD (TXD)		UART_RXD	
42	EXTIO32	KPP COL3	GPIO3 4 (FORCEOFF*)	GPIO3 4 (RS485/RS232*)		GPIO3 4 (WAKE_HW)	GPIO3 4 (RESET)	GPIO3 4 (RESET)		GPIO2	
43	EXTIO31	KPP COL2		GPIO3 3 (ISOLATOR_VE1)		GPIO3 3 (WAKE_SW)		GPIO3 3 (NMIX)	GPIO3 3 (ISOLATOR_VE1)	GPIO3	
44	EXTIO30	KPP COL1									
45	EXTIO29	KPP COL0									
46	EXTIO28	KPP ROW3	GPIO3 0 (RI)			GPIO3 0 (CMD/MLDP)				GPIO4	
47	EXTIO27	KPP ROW2	GPIO2 31 (DCD)						GPIO2 31 (DI2)	GPIO5	
48	EXTIO26	KPP ROW1	GPIO2 30 (DSR)						GPIO2 30 (DI1)	GPIO6	
49	EXTIO25	KPP ROW0	GPIO2 29 (DTR)							GPIO7	
50	EXTIO12	CSI D9					CSPI3_SS3 (SCSEDI00)		CSPI3_SS3 (CS*/SHDN)	SPI_SS/GPIO	
51	NC										
52	NC										
53	NC										
54	GND		GND	GND	GND	GND	GND	GND	GND	GND	
55	PMIC_ONOFF	-								PMIC_ONOFF	
56	NC										
57	NC										
58	GND		GND	GND	GND	GND	GND	GND	GND	GND	
59	NC										
60	NC										

[a] アットマークテクノ製アドオンモジュールで想定している機能設定です。CON1、CON2どちらにも接続できるように、使用するピンと機能を制限しています。