

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	EXTIO22	GPIO_C									
4	EXTIO23	GPIO_D									
5	PWMO1	PWM									
6	EXTIO1	RTCK									
7	EXTIO35	UART1_RXD									
8	EXTIO36	UART1_TXD									
9	EXTIO37	UART1_RTS									
10	EXTIO38	UART1_CTS									
11	EXTIO12	CSI_D9									
12	EXTIO3	CSI_D2									
13	EXTIO5	CSI_D3									
14	EXTIO7	CSI_D4									
15	EXTIO9	CSI_D5									
16	EXTIO25	KPP_ROW0									
17	EXTIO26	KPP_ROW1									
18	EXTIO27	KPP_ROW2									
19	EXTIO28	KPP_ROW3									
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	EXTIO33	GPIO_A							GPIO1_0 (DO1)	I2C_SCL/GPIO	
25	EXTIO34	GPIO_B							GPIO1_1 (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 CON1	-	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	EEPROM_E0	
32	LCD_LD17	GPIO_F		GPIO1_5 (HALF/FULL*)	GPIO1_5 (RS485 DE)		GPIO1_5 (PROG_EN)			GPIO0	
33	LCD_LD16	GPIO_E			GPIO1_4 (RS485 RE*)					GPIO1	
34	LCD_LD15	LD15								SPI_RDY	
35	LCD_LD14	LD14					CSPi2_SCLK (SCLKDIO1)		CSPi2_SCLK (ADC_CLK)	SPI_SCLK	
36	LCD_LD13	LD13					CSPi2_MISO (RSDADIO3)		CSPi2_MISO (ADC_DOUT)	SPI_MISO	
37	LCD_LD12	LD12					CSPi2_MOSI (WSDADIO2)		CSPi2_MOSI (ADC_DIN)	SPI_MOSI	
38	LCD_LD11	LD11	UART4_CTS (RTS)	UART4_CTS (RTS)		UART4_CTS (CTS/PIO5)		UART4_CTS (CTS)		UART_RTS(DTE)	
39	LCD_LD10	LD10	UART4_RTS (CTS)	UART4_RTS (CTS)		UART4_RTS (RTS/PIO6)		UART4_RTS (RTS)		UART_CTS(DTE)	
40	LCD_LD9	LD9	UART4_TXD (TXD)	UART4_TXD (TXD)	UART4_TXD (UART_TXD)	UART4_TXD (UART_RX)	UART4_TXD (AVDO6/RXD)	UART4_TXD (RXD)		UART_TXD	
41	LCD_LD8	LD8	UART4_RXD (RXD)	UART4_RXD (RXD)	UART4_RXD (UART_RXD)	UART4_RXD (UART_TX)	UART4_RXD (AVDO7/TXD)	UART4_RXD (TXD)		UART_RXD	
42	LCD_LD7	LD7	GPIO1_21 (FORCEOFF*)	GPIO1_21 (RS485/RS232*)		GPIO1_21 (WAKE_HW)	GPIO1_21 (RESET)	GPIO1_21 (RESET)		GPIO2	
43	LCD_LD6	LD6		GPIO1_20 (ISOLATOR_VE1)		GPIO1_20 (WAKE_SW)		GPIO1_20 (NMIX)	GPIO1_20 (ISOLATOR_VE1)	GPIO3	
44	LCD_LD5	LD5									
45	LCD_LD4	LD4									
46	LCD_LD3	LD3	GPIO2_18 (RI)			GPIO2_18 (CMD/MLDP)				GPIO4	
47	LCD_LD2	LD2	GPIO2_17 (DCD)						GPIO2_17 (DI2)	GPIO5	
48	LCD_LD1	LD1	GPIO2_16 (DSR)						GPIO2_16 (DI1)	GPIO6	
49	LCD_LD0	LD0	GPIO2_15 (DTR)							GPIO7	
50	LCD_OE_ACD	OE_ACD					CSPi2_SS0 (SCSEDIO0)		CSPi2_SS0 (CS*/SHDN)	SPI_SS/GPIO	
51	LCD_VSYN	VSYN									
52	LCD_HSYN	HSYN									
53	LCD_LSCLK	LSCLK									
54	GND		GND	GND	GND	GND	GND	GND	GND	GND	
55	PMIC_ONOFF	-								PMIC_ONOFF	
56	USB_VBUS										
57	USB_VBUS										
58	GND		GND	GND	GND	GND	GND	GND	GND	GND	
59	EXT_USB_HS_DP	USBPHY1_DP									
60	EXT_USB_HS_DM	USBPHY1_DM									

[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。