

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 <sup>[a]</sup>
			RS232C RS00	RS232C/422/485 RS01	BLE BT00	EnOcean EN00	Wi-SUN WS00	DIDOAD DA00		
1	GND		GND	GND	GND	GND	GND	GND	GND	
2	GND		GND	GND	GND	GND	GND	GND	GND	
3	EXTIO22	GPIO_C								
4	EXTIO23	GPIO_D								
5	PWM01	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)	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)	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	
27	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	
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	
32	LCD LD17	GPIO_F		GPIO1_5 (HALF/FULL*)		GPIO1_5 (PROG_EN)			GPIO0	
33	LCD LD16	GPIO_E							GPIO1	
34	LCD LD15	LD15							SPI_RDY	
35	LCD LD14	LD14				CSP12_SCLK (SCLKDIO1)		CSP12_SCLK (ADC_CLK)	SPI_SCLK	
36	LCD LD13	LD13				CSP12_MISO (RSDADIO3)		CSP12_MISO (ADC_DOUT)	SPI_MISO	
37	LCD LD12	LD12				CSP12_MOSI (WSDADIO2)		CSP12_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_RX)	UART4_TXD (AVD06/RXD)	UART4_TXD (RXD)		UART_TXD	
41	LCD LD8	LD8	UART4_RXD (RXD)	UART4_RXD (RXD)	UART4_RXD (UART_TX)	UART4_RXD (AVD07/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				CSP12_SS0 (SCSEDIO0)		CSP12_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	
55	PMIC_ONOFF	-							PMIC_ONOFF	
56	USB_VBUS									
57	USB_VBUS									
58	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。