

Armadillo-610 マルチプレクス表

CON2 ピン番号	信号名	ピン名	電圧グループ	LMX6ULL			リセット解除後の信号状態	基板上のPull-Up/Pull-Down とコンデンサ	GPIO	USDHC2	LCDIF	UART1,2,3,4	UART5,6,7,8	ECSPi	I2C	CAN	マルチプレックス機能(LMX6ULLの信号名で表記)									
				機能	In/Out	Value											GPT	PWM	ADC1	ADC2	SRC	WDOG	etc			
1	USB_OTG1_DP	USB_OTG1_DP	-		USB_OTG1_DP	-	-																			
2	USB_OTG1_DN	USB_OTG1_DN	-		USB_OTG1_DN	-	-																			
3	GND																									
4	USB_OTG2_DN	USB_OTG2_DN	-		USB_OTG2_DN	-	-																			
5	USB_OTG2_DP	USB_OTG2_DP	-		USB_OTG2_DP	-	-																			
6	GND																									
7	USB_OTG1_VBUS	USB_OTG1_VBUS	-		USB_OTG1_VBUS	-	-	1uF Bypass Capacitor																		
8	USB_OTG2_VBUS	USB_OTG2_VBUS	-		USB_OTG2_VBUS	-	-	1uF Bypass Capacitor																		
9	SPEEDLED		-			-	-																			
10	LINK_ACTLED		-			-	-																			
11	GPIO1_IO19	UART1_RTS_B	+3.3V_IO	GPIO1_IO19	Input	Keeper		10kΩ Pull-Down	GPIO1_IO19	USDHC2_CD_B		UART1_RTS_B	UART5_RTS_B													
12	GPIO4_IO17	CSI_MCLK	+3.3V_IO	GPIO4_IO17	Input	Keeper			GPIO4_IO17	USDHC2_CD_B			UART6_TX													
13	GPIO5_IO00	SNVS_TAMPERO	VDD_SNVS_IN	GPIO5_IO00	Input	Keeper			GPIO5_IO00																	
14	GPIO1_IO04	GPIO1_IO04	+3.3V_IO	GPIO1_IO04	Input	Keeper			GPIO1_IO04				UART5_TX													
15	GPIO1_IO03	GPIO1_IO03	+3.3V_IO	GPIO1_IO03	Input	Keeper			GPIO1_IO03			UART1_RX						GPT1_COMPARE3	PWM3_OUT	ADC1_IN4	ADC2_IN4	SRC_TESTER_ACK		CCM_DIO_EXT_CLK		
16	GPIO1_IO02	GPIO1_IO02	+3.3V_IO	GPIO1_IO02	Input	Keeper			GPIO1_IO02									GPT1_COMPARE2		ADC1_IN3	ADC2_IN3	SRC_ANY_PU_RESET				
17	GPIO1_IO01	GPIO1_IO01	+3.3V_IO	GPIO1_IO01	Input	Keeper			GPIO1_IO01			UART1_TX						GPT1_COMPARE1		ADC1_IN2	ADC2_IN2	SRC_EARLY_RESET	WDOG1_WDOG_B			
18	LCD_DATA00	LCD_DATA00	+3.3V_IO	GPIO3_IO05	Input	Keeper		10kΩ Pull-Down	GPIO3_IO05		LCDIF_DATA00					SAI1_MCLK		MQS_LEFT				SRC_BT_CFG00				
19	LCD_DATA01	LCD_DATA01	+3.3V_IO	GPIO3_IO06	Input	Keeper		10kΩ Pull-Up	GPIO3_IO06		LCDIF_DATA01					SAI1_TX_SYNC						SRC_BT_CFG01				
20	LCD_DATA02	LCD_DATA02	+3.3V_IO	GPIO3_IO07	Input	Keeper		10kΩ Pull-Down	GPIO3_IO07		LCDIF_DATA02					SAI1_TX_BCLK						SRC_BT_CFG02				
21	LCD_DATA03	LCD_DATA03	+3.3V_IO	GPIO3_IO08	Input	Keeper		10kΩ Pull-Down	GPIO3_IO08		LCDIF_DATA03					SAI1_RX_DATA						SRC_BT_CFG03				
22	LCD_DATA04	LCD_DATA04	+3.3V_IO	GPIO3_IO09	Input	Keeper		10kΩ Pull-Down	GPIO3_IO09		LCDIF_DATA04		UART8_CTS_B			SAI1_TX_DATA		SPDIF_SR_CLK				SRC_BT_CFG04				
23	LCD_DATA05	LCD_DATA05	+3.3V_IO	GPIO3_IO10	Input	Keeper		10kΩ Pull-Up or 10kΩ Pull-Down	GPIO3_IO10		LCDIF_DATA05		UART8_RTS_B	ECSPi1_SS1								SRC_BT_CFG05				
24	LCD_DATA06	LCD_DATA06	+3.3V_IO	GPIO3_IO11	Input	Keeper		10kΩ Pull-Up	GPIO3_IO11		LCDIF_DATA06		UART7_CTS_B	ECSPi1_SS2								SRC_BT_CFG06				
25	LCD_DATA07	LCD_DATA07	+3.3V_IO	GPIO3_IO12	Input	Keeper		10kΩ Pull-Down	GPIO3_IO12		LCDIF_DATA07		UART7_RTS_B	ECSPi1_SS3								SRC_BT_CFG07				
26	LCD_DATA08	LCD_DATA08	+3.3V_IO	GPIO3_IO13	Input	Keeper		10kΩ Pull-Down	GPIO3_IO13		LCDIF_DATA08							FLEXCAN1_TX				SRC_BT_CFG08				
27	LCD_DATA09	LCD_DATA09	+3.3V_IO	GPIO3_IO14	Input	Keeper		10kΩ Pull-Down	GPIO3_IO14		LCDIF_DATA09							FLEXCAN1_RX	SAI3_MCLK			SRC_BT_CFG09				
28	LCD_DATA10	LCD_DATA10	+3.3V_IO	GPIO3_IO15	Input	Keeper		10kΩ Pull-Down	GPIO3_IO15		LCDIF_DATA10							FLEXCAN2_TX	SAI3_RX_SYNC			SRC_BT_CFG10				
29	LCD_DATA11	LCD_DATA11	+3.3V_IO	GPIO3_IO16	Input	Keeper		10kΩ Pull-Up or 10kΩ Pull-Down	GPIO3_IO16		LCDIF_DATA11							FLEXCAN2_RX	SAI3_RX_BCLK			SRC_BT_CFG11				
30	LCD_DATA12	LCD_DATA12	+3.3V_IO	GPIO3_IO17	Input	Keeper		10kΩ Pull-Down	GPIO3_IO17		LCDIF_DATA12			ECSPi1_RDY								SRC_BT_CFG12				
31	LCD_DATA13	LCD_DATA13	+3.3V_IO	GPIO3_IO18	Input	Keeper		10kΩ Pull-Down	GPIO3_IO18	USDHC2_RESET_B	LCDIF_DATA13											SRC_BT_CFG13				
32	LCD_DATA14	LCD_DATA14	+3.3V_IO	GPIO3_IO19	Input	Keeper		10kΩ Pull-Down	GPIO3_IO19	USDHC2_DATA4	LCDIF_DATA14											SRC_BT_CFG14				
33	LCD_DATA15	LCD_DATA15	+3.3V_IO	GPIO3_IO20	Input	Keeper		10kΩ Pull-Down	GPIO3_IO20	USDHC2_DATA5	LCDIF_DATA15											SRC_BT_CFG15				
34	LCD_DATA16	LCD_DATA16	+3.3V_IO	GPIO3_IO21	Input	Keeper		10kΩ Pull-Down	GPIO3_IO21	USDHC2_DATA6	LCDIF_DATA16		UART7_TX									SRC_BT_CFG24				
35	LCD_DATA17	LCD_DATA17	+3.3V_IO	GPIO3_IO22	Input	Keeper		10kΩ Pull-Down	GPIO3_IO22	USDHC2_DATA7	LCDIF_DATA17		UART7_RX									SRC_BT_CFG25				
36	GND																									
37	LCD_CLK	LCD_CLK	+3.3V_IO	GPIO3_IO00	Input	Keeper			GPIO3_IO00		LCDIF_CLK/LCDIF_WR_RWN	UART4_TX						SAI3_MCLK					WDOG1_WDOG_RST_B DEB			
38	LCD_HSYNC	LCD_HSYNC	+3.3V_IO	GPIO3_IO02	Input	Keeper			GPIO3_IO02		LCDIF_HSYNC/LCDIF_BUSY/LCDIF	UART4_CTS_B		ECSPi2_SS1				SAI3_TX_BCLK				WDOG3_WDOG_RST_B DEB				
39	LCD_VSYNC	LCD_VSYNC	+3.3V_IO	GPIO3_IO03	Input	Keeper			GPIO3_IO03		LCDIF_VSYNC/LCDIF_HSYNC/LCDIF_BUSY	UART4_RTS_B		ECSPi2_SS2				SAI3_RX_DATA				WDOG2_WDOG_B				
40	LCD_ENABLE	LCD_ENABLE	+3.3V_IO	GPIO3_IO01	Input	Keeper			GPIO3_IO01		LCDIF_ENABLE/LCDIF_RD_F	UART4_RX		ECSPi2_RDY				SAI3_TX_SYNC								
41	PWM5_OUT	NAND_DQS	+3.3V_IO	GPIO4_IO16	Input	Keeper			GPIO4_IO16																	
42	BJP1		+3.3V_IO																							
43	JTAG_MOD	JTAG_MOD	+3.3V_IO	SJC_MOD	Input	100kΩ Pull-Up	11kΩ Pull-Down																			
44	EXT_RESET_B		-			-	-																			
45	+3.3V_IO																									
46	+3.3V_IO																									
47	VIN																									
48	VIN																									
49	VIN																									
50	VIN																									
51	GND																									
52	GND																									
53	+5V_IO																									
54	+5V_IO																									
55	GPIO4_IO19	CSI_VSYNC	+3.3V_IO	GPIO4_IO19	Input	Keeper			GPIO4_IO19	USDHC2_CLK					I2C2_SDA											
56	GPIO4_IO20	CSI_HSYNC	+3.3V_IO	GPIO4_IO20	Input	Keeper			GPIO4_IO20	USDHC2_CMD					I2C2_SCL							PWM7_OUT				
57	GPIO4_IO25	CSI_DATA04	+3.3V_IO	GPIO4_IO25	Input	Keeper			GPIO4_IO25	USDHC2_DATA4				ECSPi1_SCLK								PWM8_OUT				
58	GPIO4_IO26	CSI_DATA05	+3.3V_IO	GPIO4_IO26	Input	Keeper			GPIO4_IO26	USDHC2_DATA5				ECSPi1_SS0				SAI1_TX_SYNC								
59	GPIO4_IO27	CSI_DATA06	+3.3V_IO	GPIO4_IO27	Input	Keeper			GPIO4_IO27	USDHC2_DATA6				ECSPi1_MOSI				SAI1_TX_BCLK								
60	GPIO4_IO28	CSI_DATA07	+3.3V_IO	GPIO4_IO28	Input	Keeper			GPIO4_IO28	USDHC2_DATA7				ECSPi1_MISO				SAI1_RX_DATA								
61	GPIO4_IO23	CSI_DATA02	+3.3V_IO	GPIO4_IO23	Input	Keeper			GPIO4_IO23	USDHC2_DATA2			UART5_RTS_B	ECSPi2_MOSI				SAI1_TX_DATA								
62	GPIO4_IO22	CSI_DATA01	+3.3V_IO	GPIO4_IO22	Input	Keeper			GPIO4_IO22	USDHC2_DATA1			UART5_RX	ECSPi2_SS0				SAI1_RX_SYNC								
63	GPIO4_IO24	CSI_DATA03	+3.3V_IO	GPIO4_IO24	Input	Keeper			GPIO4_IO24	USDHC2_DATA3			UART5_CTS_B	ECSPi2_MISO												
64	GPIO4_IO21	CSI_DATA00	+3.3V_IO	GPIO4_IO21	Input	Keeper			GPIO4_IO21	USDHC2_DATA0			UART5_TX	ECSPi2_SCLK									SRC_INT_BOOT			
65	GPIO4_IO18	CSI_PIXCLK	+3.3V_IO	GPIO4_IO18	Input	Keeper			GPIO4_IO18	USDHC2_WP			UART6_RX													
66	GPIO4_IO09	NAND_DATA07	+3.3V_IO	GPIO4_IO09	Input	Keeper			GPIO4_IO09	USDHC2_DATA7		UART2_RTS_B		ECSPi4_SS0												
67	GPIO4_IO08	NAND_DATA06	+3.3V_IO	GPIO4_IO08	Input	Keeper			GPIO4_IO08	USDHC2_DATA6		UART2_CTS_B		ECSPi4_MISO												
68	GPIO4_IO07	NAND_DATA05	+3.3V_IO	GPIO4_IO07	Input	Keeper			GPIO4_IO07	USDHC2_DATA5		UART2_RX		ECSPi4_MOSI												
69	GPIO4_IO06	NAND_DATA04	+3.3V_IO	GPIO4_IO06	Input	Keeper			GPIO4_IO06	USDHC2_DATA4		UART2_TX		ECSPi4_SCLK												
70	GPIO3_IO28	LCD_DATA23	+3.3V_IO	GPIO3_IO28	Input	Keeper		47kΩ Pull-Down	GPIO3_IO28	USDHC2_DATA3	LCDIF_DATA23															
71	GPIO3_IO27	LCD_DATA22	+3.3V_IO	GPIO3_IO27	Input	Keeper			GPIO3_IO27	USDHC2_DATA2	LCDIF_DATA22							MQS_LEFT					SRC_BT_CFG31			
72	GPIO3_IO26	LCD_DATA21	+3.3V_IO	GPIO3_IO26	Input	Keeper			GPIO3_IO26	USDHC2_DATA1	LCDIF_DATA21		UART8_RX					MQS_RIGHT					SRC_BT_CFG30			
73	GPIO3_IO25	LCD_DATA20	+3.3V_IO	GPIO3_IO25	Input	Keeper			GPIO3_IO25	USDHC2_DATA0	LCDIF_DATA20		UART8_TX										SRC_BT_CFG29			
74	GPIO3_IO24	LCD_DATA19	+3.3V_IO	GPIO3_IO24	Input	Keeper			GPIO3_IO24	USDHC2_CLK	LCDIF_DATA19												SRC_BT_CFG28	WDOG1_WDOG_ANY		
75	GND																									
76	GPIO3_IO23	LCD_DATA18	+3.3V_IO	GPIO3_IO23	Input	Keeper			GPIO3_IO23	USDHC2_CMD	LCDIF_DATA18												SRC_BT_CFG26			
77	PWRON	SNVS_PMIC_ON_REQ	VDD_SNVS_IN	-	Output	100kΩ Pull-Up	1000pF Bypass Capacitor																			
78	ONOFF	ONOFF	VDD_SNVS_IN	SRC_ONOFF	Open Drain Input	100kΩ Pull-Up																				
79	RTC_BAT																									
80	GPIO1_IO08	GPIO1_IO08	+3.3V_IO	GPIO1_IO08	Input	Keeper			GPIO1_IO08				UART5_RTS_B													
81	GPIO1_IO05	GPIO1_IO05	+3.3V_IO	GPIO1_IO05	Input	Keeper			GPIO1_IO05				UART5_RX					SPDIF_OUT					WDOG1_WDOG_B			
82	GPIO1_IO30	UART5_TX_DATA	+3.3V_IO	GPIO1_IO30	Input	Keeper			GPIO1_IO30				UART5_TX	ECSPi2_MOSI	I2C2_SCL											