Armadillo-640 マルチプレクス表

製品番号	ピン番号	信号名	LM6ULL ピン名	LM6ULL 電圧グループ	LM6ULL リセット時期間の信号状態 信号	LM6ULL リセット時期間の信号状態 In/Out	LM6ULL リセット時期間の信号状態 Value	高/低上のPull-Up/Pull-Downとコンデンサ	マルチプレクス機能(LM6ULLの信号名で表記) GPIO	USDHC2	LCDIF	UART UART1	UART2	UART4	UART5	UART7	UART8	ECSPI ECSPI1	ECSPI2	ECSPI3	ECSPI4	I2C I2C2	I2C3	I2C4	CAN CAN1	CAN2	SAI1	SAI2	Audio SAI3	SPDIF	MQS	GPT1	Timer GPT2	PWM	Analog ADC1	ADC2	SRC	SJC	etc
CON14	1	VCC_3.3V																																					
	2	GND																																					
	3	GPIO1_IO20	UART2_TX_DATA	VCC_3.3V	GPIO1_IO20	Input	Keeper		GPIO1_IO20				UART2_TX							ECSPI3_SS0			12C4_SCL							GPT1_CAPTURE1								
	4	GPIO1_IO21	UART2_RX_DATA	VCC_3.3V	GPIO1_IO21	Input	Keeper		GPIO1_IO21				UART2_RX							ECSPI3_SCLK			12C4_SDA							GPT1_CAPTURE2							SJC_DONE	
	1	GPIO1_IO22	UART2_CTS_B	VCC_3.3V	GPIO1_IO22	Input	Keeper		GPIO1_IO22				UART2_CTS_B							ECSPI3_MOSI						FLEXCAN 2_TX					GPT1_COMPARE2							SJC_DE_B	
	2	GPIO1_IO23	UART2_RTS_B	VCC_3.3V	GPIO1_IO23	Input	Keeper		GPIO1_IO23				UART2_RTS_B							ECSPI3_MISO						FLEXCAN 2_RX					GPT1_COMPARE3							SJC_FAIL	
	3	GPIO1_IO17	UART1_RX_DATA	VCC_3.3V	GPIO1_IO17	Input	Keeper		GPIO1_IO17			UART1_RX			UART5_RX									12C3_SDA						SPDIF_IN		GPT1_CLK							
	4	GPIO1_IO31	UART5_RX_DATA	VCC_3.3V	GPIO1_IO31	Input	Keeper		GPIO1_IO31						UART5_RX					ECSPI2_MISO			12C2_SDA	12C3_SCL						SPDIF_OUT		GPT1_COMPARE1							
	5	GPIO1_IO16	UART1_TX_DATA	VCC_3.3V	GPIO1_IO16	Input	Keeper		GPIO1_IO16			UART1_TX			UART5_TX																								
	6	GPIO1_IO30	UART5_TX_DATA	VCC_3.3V	GPIO1_IO30	Input	Keeper		GPIO1_IO30						UART5_TX					ECSPI2_MOSI			12C2_SCL																
	7	VCC_3.3V																																					
	8	VCC_3.3V																																					
	9	GND																																					
	10	GND																																					
	11	ONOFF	ONOFF	VDD_SNVS_IN	SRC_ONOFF	Open Drain Input	100kΩ Pull-Up																																
	12	PWRON	PWRON	VDD_SNVS_IN	-	Open Drain Input	100kΩ Pull-Up																																
CON9	13	GPIO3_IO23	LCD_DATA18	VCC_3.3V	GPIO3_IO23	Input	Keeper	10kΩ Pull-Down	GPIO3_IO23		LCDIF_DATA18																							PWM5_OUT		SRC_BT_CFG26		
	14	GPIO3_IO24	LCD_DATA19	VCC_3.3V	GPIO3_IO24	Input	Keeper	10kΩ Pull-Down	GPIO3_IO24		LCDIF_DATA19																							PWM6_OUT		SRC_BT_CFG27		
	15	GPIO3_IO25	LCD_DATA20	VCC_3.3V	GPIO3_IO25	Input	Keeper	10kΩ Pull-Down	GPIO3_IO25		LCDIF_DATA20						UART8_TX	ECSPI1_SCLK																			SRC_BT_CFG28		
	16	GPIO3_IO26	LCD_DATA21	VCC_3.3V	GPIO3_IO26	Input	Keeper	10kΩ Pull-Down	GPIO3_IO26		LCDIF_DATA21						UART8_RX	ECSPI1_SS0																			SRC_BT_CFG29		
	17	GPIO3_IO27	LCD_DATA22	VCC_3.3V	GPIO3_IO27	Input	Keeper	10kΩ Pull-Down	GPIO3_IO27		LCDIF_DATA22							ECSPI1_MOSI													MQS_RIGHT							SRC_BT_CFG30		
	18	GPIO3_IO28	LCD_DATA23	VCC_3.3V	GPIO3_IO28	Input	Keeper	10kΩ Pull-Down	GPIO3_IO28		LCDIF_DATA23							ECSPI1_MISO													MQS_LEFT							SRC_BT_CFG31		
	19	GND																																					
	20	VCC_3.3V																																					
	21	USB2_DN	USB_OTG2_DN	-	USB_OTG2_DN	-	-																																
	22	USB2_DP	USB_OTG2_DP	-	USB_OTG2_DP	-	-																																
	23	USB2_VBUS	USB_OTG2_VBUS	USB_VBUS	-	-	-																																
	24	EXT_USB_EN		VCC_3.3V		Input		10kΩ Pull-Up																															
	25	GPIO4_IO06	NAND_DATA04	VCC_3.3V	GPIO4_IO06	Input	Keeper		GPIO4_IO06				UART2_TX									ECSPI4_SCLK																	
	26	GPIO4_IO07	NAND_DATA05	VCC_3.3V	GPIO4_IO07	Input	Keeper		GPIO4_IO07				UART2_RX									ECSPI4_MOSI																	
	27	GPIO4_IO08	NAND_DATA06	VCC_3.3V	GPIO4_IO08	Input	Keeper		GPIO4_IO08				UART2_CTS_B									ECSPI4_MISO						SAI2_RX_BCLK											
	28	GPIO4_IO09	NAND_DATA07	VCC_3.3V	GPIO4_IO09	Input	Keeper		GPIO4_IO09				UART2_RTS_B									ECSPI4_SS0																	
CON8	1	GND																																					
	2	GND																																					
CON10	1	VCC_3.3V																																					
	2	JTAG_TRST_B	JTAG_TRST_B	VCC_3.3V	SJC_TRSTB	Input	47kΩ Pull-Up		GPIO1_IO15																		SAI2_TX_DATA					GPT2_COMPARE3	PWM8_OUT				SJC_TRSTB	
	3	JTAG_TDI	JTAG_TDI	VCC_3.3V	SJC_TDI	Input	47kΩ Pull-Up		GPIO1_IO13																		SAI2_TX_BCLK			MQS_LEFT		GPT2_COMPARE1	PWM6_OUT				SJC_TDI	
	4	JTAG_TMS	JTAG_TMS	VCC_3.3V	SJC_TMS	Input	47kΩ Pull-Up		GPIO1_IO11																		SAI2_MCLK					GPT2_CAPTURE1					SJC_TMS	CCM_CLKO1/CCM_WAIT
	5	JTAG_TCK	JTAG_TCK	VCC_3.3V	SJC_TCK	Input	47kΩ Pull-Up		GPIO1_IO14																		SAI2_RX_DATA					GPT2_COMPARE2	PWM7_OUT				SJC_TCK	
	6	JTAG_TDO	JTAG_TDO	VCC_3.3V	SJC_TDO	Output	Keeper		GPIO1_IO12																		SAI2_TX_SYNC			MQS_RIGHT		GPT2_CAPTURE2					SJC_TDO	CCM_CLKO2/CCM_STOP
	7	EXT_RESET_B	-	VCC_3.3V	-	Input	-	5kΩ Pull-Up																															
	8	GND																																					
CON11	1	VCC_5V																																					
	2	VCC_5V																																					
	3	VCC_5V																																					
	4	VCC_3.3V																																					
	5	VCC_3.3V																																					
	6	GND																																					
	7	GND																																					
	8	LCD_CLK	LCD_CLK	VCC_3.3V	GPIO3_IO00	Input	Keeper		GPIO3_IO00		LCDIF_CLK/LCDIF_WR_RWN			UART4_TX													SAI3_MCLK											
	9	LCD_HSYNC	LCD_HSYNC	VCC_3.3V	GPIO3_IO02	Input	Keeper		GPIO3_IO02		LCDIF_HSYNC/LCDIF_BUSY/LCDIF_			UART4_CTS_B						ECSPI2_SS1							SAI3_TX_BCLK											
	10	LCD_VSYNC	LCD_VSYNC	VCC_3.3V	GPIO3_IO03	Input	Keeper		GPIO3_IO03		LCDIF_VSYNC/LCDIF_HSYNC/LCDIF_BUSY			UART4_RTS_B						ECSPI2_SS2							SAI3_RX_DATA											
	11	LCD_ENABLE	LCD_ENABLE	VCC_3.3V	GPIO3_IO01	Input	Keeper		GPIO3_IO01		LCDIF_ENABLE/LCDIF_RD_E			UART4_RX						ECSPI2_RDY							SAI3_TX_SYNC											
	12	PWM5_OUT	NAND_DQS	VCC_3.3V	GPIO4_IO16	Input	Keeper		GPIO4_IO16																			SPDIF_EXT_CLK					PWM5_OUT					
	13	LCD_DATA00	LCD_DATA00	VCC_3.3V	GPIO3_IO05	Input	Keeper	10kΩ Pull-Down	GPIO3_IO05		LCDIF_DATA00													12C3_SDA			SAI1_MCLK							PWM1_OUT		SRC_BT_CFG00		
	14	LCD_DATA01	LCD_DATA01	VCC_3.3V	GPIO3_IO06	Input	Keeper	10kΩ Pull-Up	GPIO3_IO06		LCDIF_DATA01													12C3_SCL			SAI1_TX_SYNC							PWM2_OUT		SRC_BT_CFG01		
	15	LCD_DATA02	LCD_DATA02	VCC_3.3V	GPIO3_IO07	Input	Keeper	10kΩ Pull-Down	GPIO3_IO07		LCDIF_DATA02												12C4_SDA				SAI1_TX_BCLK							PWM3_OUT		SRC_BT_CFG02		
	16	LCD_DATA03	LCD_DATA03	VCC_3.3V	GPIO3_IO08	Input	Keeper	10kΩ Pull-Down	GPIO3_IO08		LCDIF_DATA03												12C4_SCL				SAI1_RX_DATA							PWM4_OUT		SRC_BT_CFG03		
	17	LCD_DATA04	LCD_DATA04	VCC_3.3V	GPIO3_IO09	Input	Keeper	10kΩ Pull-Down	GPIO3_IO09		LCDIF_DATA04						UART8_CTS_B										SAI1_TX_DATA				SPDIF_SR_CLK							SRC_BT_CFG04		
	18	LCD_DATA05	LCD_DATA05	VCC_3.3V	GPIO3_IO10	Input	Keeper	10kΩ Pull-Up or 10kΩ Pull-Down	GPIO3_IO10		LCDIF_DATA05						UART8_RTS_B	ECSPI1_SS1													SPDIF_OUT							SRC_BT_CFG05		
	19	GND																																					
	20	LCD_DATA06	LCD_DATA06	VCC_3.3V	GPIO3_IO11	Input	Keeper	10kΩ Pull-Up	GPIO3_IO11		LCDIF_DATA06					UART7_CTS_B		ECSPI1_SS2													SPDIF_LOCK							SRC_BT_CFG06		
	21	LCD_DATA07	LCD_DATA07	VCC_3.3V	GPIO3_IO12	Input	Keeper	10kΩ Pull-Down	GPIO3_IO12		LCDIF_DATA07					UART7_RTS_B		ECSPI1_SS3													SPDIF_EXT_CLK							SRC_BT_CFG07		
	22	LCD_DATA08	LCD_DATA08	VCC_3.3V	GPIO3_IO13	Input	Keeper	10kΩ Pull-Down	GPIO3_IO13		LCDIF_DATA08														FLEXCAN 1_TX						SPDIF_IN							SRC_BT_CFG08		
	23	LCD_DATA09	LCD_DATA09	VCC_3.3V	GPIO3_IO14	Input	Keeper	10kΩ Pull-Down	GPIO3_IO14		LCDIF_DATA09														FLEXCAN 1_RX				SAI3_MCLK								SRC_BT_CFG09		
	24	LCD_DATA10	LCD_DATA10	VCC_3.3V	GPIO3_IO15	Input	Keeper	10kΩ Pull-Down	GPIO3_IO15		LCDIF_DATA10															FLEXCAN 2_TX			SAI3_RX_SYNC								SRC_BT_CFG10		
	25	LCD_DATA11	LCD_DATA11	VCC_3.3V	GPIO3_IO16	Input	Keeper	10kΩ Pull-Up or 10kΩ Pull-Down	GPIO3_IO16		LCDIF_DATA11															FLEXCAN 2_RX			SAI3_RX_BCLK								SRC_BT_CFG11		
	26	GND																																					
	27	LCD_DATA12	LCD_DATA12	VCC_3.3V	GPIO3_IO17	Input	Keeper	10kΩ Pull-Down	GPIO3_IO17		LCDIF_DATA12							ECSPI1_RDY											SAI3_TX_SYNC									SRC_BT_CFG12		
	28	LCD_DATA13	LCD_DATA13	VCC_3.3V	GPIO3_IO18	Input	Keeper	10kΩ Pull-Down	GPIO3_IO18	USDHC2_RESET_B	LCDIF_DATA13																		SAI3_TX_BCLK								SRC_BT_CFG13		
	29	LCD_DATA14	LCD_DATA14	VCC_3.3V	GPIO3_IO19	Input	Keeper	10kΩ Pull-Down	GPIO3_IO19	USDHC2_DATA8	LCDIF_DATA14																		SAI3_RX_DATA								SRC_BT_CFG14		
	30	LCD_DATA15	LCD_DATA15	VCC_3.3V	GPIO3_IO20	Input	Keeper	10kΩ Pull-Down	GPIO3_IO20	USDHC2_DATA5	LCDIF_DATA15																		SAI3_TX_DATA								SRC_BT_CFG15		
	31	LCD_DATA16	LCD_DATA16	VCC_3.3V	GPIO3_IO21	Input	Keeper	10kΩ Pull-Down	GPIO3_IO21	USDHC2_DATA6	LCDIF_DATA16					UART7_TX																						SRC_BT_CFG24		
	32	LCD_DATA17	LCD_DATA17	VCC_3.3V	GPIO3_IO22	Input	Keeper	10kΩ Pull-Down	GPIO3_IO22	USDHC2_DATA7	LCDIF_DATA17					UART7_RX																						SRC_BT_CFG25		
	33	GND																																					
	34	XPUL	GPIO1_IO04	VCC_3.3V	GPIO1_IO04	Input	Keeper	0.01uF Bypass Capacitor	GPIO1_IO04						UART5_TX																			PWM3_OUT	ADC1_IN4	ADC2_IN4			
	35	XNUR	GPIO1_IO03	VCC_3.3V	GPIO1_IO03	Input	Keeper	0.01uF Bypass Capacitor	GPIO1_IO03			UART1_RX																							ADC1_IN3	ADC2_IN3	SRC_TESTER_ACK		CCM_CKO_EXT_CLK
	36	YPLL	GPIO1_IO02	VCC_3.3V	GPIO1_IO02	Input	Keeper	0.01uF Bypass Capacitor	GPIO1_IO02			UART1_TX																			GPT1_COMPARE2				ADC1_IN2	ADC2_IN2	SRC_ANY_PU_RESET		
	37	YNLR	GPIO1_IO01	VCC_3.3V	GPIO1_IO01	Input	Keeper	0.01uF Bypass Capacitor	GPIO1_IO01														12C2_SDA							MQS_LEFT	GPT1_COMPARE1				ADC1_IN1	ADC2_IN1	SRC_EARLY_RESET		
	38	GND																																					
	39	GPIO4_IO18	CSI_PIXCLK	VCC_3.3V	GPIO4_IO18	Input	Keeper		GPIO4_IO18	USDHC2_WP																													
	40	GPIO4_IO21	CSI_DATA00	VCC_3.3V	GPIO4_IO21	Input	Keeper		GPIO4_IO21	USDHC2_DATA0					UART5_TX					ECSPI2_SCLK																		SRC_INT_BOOT		
	41	GPIO4_IO24	CSI_DATA03	VCC_3.3V	GPIO4_IO24	Input	Keeper		GPIO4_IO24	USDHC2_DATA3					UART5_CTS_B					ECSPI2_MISO							SAI1_RX_BCLK											
	42	GPIO4_IO22	CSI_DATA01	VCC_3.3V	GPIO4_IO22	Input	Keeper		GPIO4_IO22	USDHC2_DATA1					UART5_RX					ECSPI2_SS0							SAI1_MCLK											
	43	GPIO4_IO23	CSI_DATA02	VCC_3.3V	GPIO4_IO23	Input	Keeper		GPIO4_IO23	USDHC2_DATA2					UART5_RTS_B					ECSPI2_MOSI							SAI1_RX_SYNC											
	44	GPIO4_IO28	CSI_DATA07	VCC_3.3V	GPIO4_IO28	Input	Keeper		GPIO4_IO28	USDHC2_DATA7								ECSPI1_MISO									SAI1_TX_DATA											
	45	GPIO4_IO27	CSI_DATA06	VCC_3.3V	GPIO4_IO27	Input	Keeper		GPIO4_IO27	USDHC2_DATA6								ECSPI1_MOSI									SAI1_RX_DATA											
	46	GPIO4_IO26	CSI_DATA05	VCC_3.3V	GPIO4_IO26	Input	Keeper		GPIO4_IO26	USDHC2_DATA5								ECSPI1_SS0									SAI1_TX_BCLK											
	47	GPIO4_IO25	CSI_DATA04	VCC_3.3V	GPIO4_IO25	Input	Keeper		GPIO4_IO25	USDHC2_DATA4								ECSPI1_SCLK									SAI1_TX_SYNC											
	48	GPIO4_IO20	CSI_HSYNC	VCC_3.3V	GPIO4_IO20	Input	Keeper		GPIO4_IO20	USDHC2_CMD													12C2_SCL											PWM8_OUT					
	49	GPIO4_IO19	CSI_VSYNC	VCC_3.3V	GPIO4_IO19	Input	Keeper		GPIO4_IO19	USDHC2_CLK													12C2_SDA											PWM7_OUT					
	50	GND																																					
CON13	1	RTC_BAT																																					
	2	SVIN																																					
	3	GND																																					
	4	ONOFF	ONOFF	VDD_SNVS_IN	SRC_ONOFF	Open Drain Input	100kΩ Pull-Up																																