

ピン番号	信号名	i.MX 7Dual ピン名	電圧グループ	リセット解除後の信号状態								マルチプレクス機能 (i.MX 7Dualの信号名で表記)																
				機能	In/Out	Pull-Up/Pull-Down	GPIO	SD2	Ethernet	LCD	CSI	UART ^[d]			SPI			I2C			CAN		Audio		PWM	SIM2	KPP	etc
												UART1	UART2	UART4	CSP12	CSP13	CSP14	I2C1	I2C2	I2C3	CAN1	CAN2	SAI1	SAI2				
1	GND																											
2	MIPI_DSI_D0_P	MIPI_DSI_D0_P	-	MIPI_DSI	Out	-																						
3	MIPI_DSI_D0_N	MIPI_DSI_D0_N	-	MIPI_DSI	Out	-																						
4	GND																											
5	MIPI_DSI_CLK_P	MIPI_DSI_CLK_P	-	MIPI_DSI	Out	-																						
6	MIPI_DSI_CLK_N	MIPI_DSI_CLK_N	-	MIPI_DSI	Out	-																						
7	GND																											
8	MIPI_DSI_D1_P	MIPI_DSI_D1_P	-	MIPI_DSI	Out	-																						
9	MIPI_DSI_D1_N	MIPI_DSI_D1_N	-	MIPI_DSI	Out	-																						
10	GND																											
11	MIPI_CSI_D0_P	MIPI_CSI_D0_P	-	MIPI_CSI	In	-																						
12	MIPI_CSI_D0_N	MIPI_CSI_D0_N	-	MIPI_CSI	In	-																						
13	GND																											
14	MIPI_CSI_CLK_P	MIPI_CSI_CLK_P	-	MIPI_CSI	In	-																						
15	MIPI_CSI_CLK_N	MIPI_CSI_CLK_N	-	MIPI_CSI	In	-																						
16	GND																											
17	MIPI_CSI_D1_P	MIPI_CSI_D1_P	-	MIPI_CSI	In	-																						
18	MIPI_CSI_D1_N	MIPI_CSI_D1_N	-	MIPI_CSI	In	-																						
19	GND																											
20	GPIO4_IO8	I2C1_SCL	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO4_IO8							UART4_CTS_B		ECSP13_MISO		I2C1_SCL				FLEXCAN1_RX						
21	GPIO4_IO9	I2C1_SDA	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO4_IO9							UART4_RTS_B		ECSP13_MOSI		I2C1_SDA				FLEXCAN1_TX						
22	GPIO4_IO10	I2C2_SCL	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO4_IO10							UART4_RX_DATA		ECSP13_SCLK			I2C2_SCL									
23	GPIO4_IO11	I2C2_SDA	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO4_IO11							UART4_TX_DATA		ECSP13_SS0			I2C2_SDA									
24	GPIO7_IO0	ENET1_RD0	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO0		ENET1_RGMII_RD0			UART1_CTS_B														PWM1_OUT		KPP_ROW3
25	GPIO7_IO1	ENET1_RD1	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO1		ENET1_RGMII_RD1			UART1_RTS_B														PWM2_OUT		KPP_COL3
26	GPIO7_IO2	ENET1_RD2	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO2		ENET1_RGMII_RD2			UART1_RX_DATA			ECSP12_SCLK							FLEXCAN1_RX						KPP_ROW2
27	GPIO7_IO3	ENET1_RD3	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO3		ENET1_RGMII_RD3			UART1_TX_DATA			ECSP12_MOSI							FLEXCAN1_TX						KPP_COL2
28	GPIO7_IO4	ENET1_RX_CTL	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO4		ENET1_RGMII_RX_CTL						ECSP12_SS1													KPP_ROW1
29	GPIO7_IO5	ENET1_RXC	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO5		ENET1_RGMII_RXC						ECSP12_SS2													KPP_COL1
30	GPIO7_IO6	ENET1_TD0	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO6		ENET1_RGMII_TD0						ECSP12_SS3											PWM3_OUT		KPP_ROW0
31	GPIO7_IO7	ENET1_TD1	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO7		ENET1_RGMII_TD1						ECSP12_RDY											PWM4_OUT		KPP_COL0
32	GPIO7_IO8	ENET1_TD2	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO8		ENET1_RGMII_TD2						ECSP12_MISO							FLEXCAN2_RX						
33	GPIO7_IO9	ENET1_TD3	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO9		ENET1_RGMII_TD3						ECSP12_SS0							FLEXCAN2_TX						
34	GPIO7_IO10	ENET1_TX_CTL	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO10		ENET1_RGMII_TX_CTL														SAI1_RX_SYNC					
35	GPIO7_IO11	ENET1_TXC	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO11		ENET1_RGMII_TXC														SAI1_RX_BCLK					
36	GPIO7_IO12	ENET1_TX_CLK	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO12		ENET1_RGMII_TX_CLK														SAI1_RX_DATA0					CCM_EXT_CLK1
37	GPIO7_IO13	ENET1_RX_CLK	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO13		ENET1_RGMII_RX_CLK														SAI1_TX_BCLK					CCM_EXT_CLK2
38	GPIO7_IO14	ENET1_CRS	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO14		ENET1_CRS														SAI1_TX_SYNC					CCM_EXT_CLK3
39	GPIO7_IO15	ENET1_COL	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO7_IO15		ENET1_COL														SAI1_TX_DATA0					CCM_EXT_CLK4
40	GPIO1_IO1	GPIO1_IO01	VCC 3.3V	GPIO	In	100kΩ Pull-Down	GPIO1_IO1																SAI1_MCLK			PWM1_OUT		
41	EXT_RESET_B ^[a]	-	VDD_VSNVS	-	In	47kΩ Pull-Up(固定)																						
42	PMIC_ONOFF ^[a]	-	VCC_BMIC	-	In	47kΩ Pull-Up(固定)																						
43	GND																											
44	USB_HUB3_DP	-	-	USB	-	-																						
45	USB_HUB3_DM	-	-	USB	-	-																						
46	GND																											
47	USB2_DP	USB_OTG2_DP	-	USB	-	-																						
48	USB2_DM	USB_OTG2_DN	-	USB	-	-																						
49	GND																											
50	USB2_VBUS_IN	USB_OTG2_VBUS	-	USB	In	-																						
51	VIN																											
52	VIN																											
53																												