Positions are displayed as Top View

JM3

Direction	Name	Name	Pin	Pin	Name	Name	Direction
in/in/io	ETH SIN / GROUP8	MGT RX	1	2	MGT TX	ETH SOUT / GROUP8	out/out/io
in/in/io	ETH SIN / GROUP8	MGT RX	3	4	MGT TX	ETH SOUT / GROUP8	out/out/io
	GND	GND	5	6	GND	GND	
in/io	GROUP2	MGT RX	7	8	MGT TX	GROUP2	out/io
in/io	GROUP2	MGT RX	9	10	MGT TX	GROUP2	out/io
	GND	GND	11	12	GND	GND	
in/io	GROUP2	MGT RX	13	14	MGT TX	GROUP2	out/io
in/io	GROUP2	MGT RX	15	16	MGT TX	GROUP2	out/io
	GND	GND	17	18	GND	GND	
in/io	GROUP2	MGT RX	19	20	MGT TX	GROUP2	out/io
in/io	GROUP2	MGT RX	21	22	MGT TX	GROUP2	out/io
	GND	GND	23	24	GND	GND	
in/io	GROUP2	MGT RX	25	26	MGT TX	GROUP2	out/io
in/io	GROUP2	MGT RX	27	28	MGT TX	GROUP2	out/io
	GND	GND	29	30	GND	GND	
in/io	GROUP2	MGT CLK	31	32	MGT CLK	GROUP2	in/io
in/io	GROUP2	MGT CLK	33	34	MGT CLK	GROUP2	in/io
	GND	GND	35	36	GND	GND	
io	GROUP2	GROUP2	37	38	GROUP2	GROUP2	
io	GROUP2	GROUP2	39	40	GROUP2	GROUP2	
io	GROUP2	GROUP2	41	42	GROUP2	GROUP2	
io	GROUP2	GROUP2	43	44	GROUP2	GROUP2	
	GND	GND	45	46	GND	GND	
io	GROUP2	GROUP2	47	48	USB OTG-D_P	GRPOUP9	io/io
io	GROUP2	GROUP2	49	50	USB OTG-D_N	GRPOUP9	io/io
io	GROUP2	GROUP2	51	52	USB OTG-ID	GRPOUP9	in/io
io	GROUP2	GROUP2	53	54	USB VBUS_V_EN	GRPOUP9	out/io
io	NC/Group2 VREF	GROUP2	55	56	USB USB-VBUS	GRPOUP9	io/io
io	GROUP2	GROUP2	57	58	GROUP2	GROUP2	io
io	GROUP2	GROUP2	59	60	GROUP2	GROUP2	io

JM1

Direction	Name	Name	Name	Name	Pin	Pin	Name	Name	Name	Name	Direction
in	PWR_1				1	2	GND				
in	PWR_1				3	4	GROUP7	ETH MDIO0	MGT TX		io/io/out
in	PWR_1				5	6	GROUP7	ETH MDIO0	MGT TX		io/io/out
io	NOSEQ				7	8	GND				
in	VCCIOA				9	10	GROUP7	ETH MDIO1	MGT RX		io/io/in
in	VCCIOA				11	12	GROUP7	ETH MDIO1	MGT RX		io/io/in
in	PWR_2				13	14	ETH_VCC				
in	PWR_2				15	16	GROUP7	ETH MDIO2	MGT TX		io/io/out
io/io/io/out	GROUP5	MIO	SD D3	MGT TX	17	18	GROUP7	ETH MDIO2	MGT TX		io/io/out
io/io/io/out	GROUP5	MIO	SD D2	MGT TX	19	20	GND				
io/io/io/	GROUP5	MIO	SD D1	GND	21	22	GROUP7	ETH MDIO3	MGT RX		io/io/in
io/io/io/	GROUP5	MIO	SD D0	GND	23	24	GROUP7	ETH MDIO3	MGT RX		io/io/in
io/io/io/in	GROUP5	MIO	SD CMD	MGT RX	25	26	GND				
io/io/io/in	GROUP5	MIO	SD CLK	MGT RX	27	28	SC_EN1				in
	GND				29	30	SC_PGOOD				io
io	GROUP1				31	32	SC_BOOTMODE				in
io	GROUP1				33	34	GND				
io	GROUP1				35	36	GROUP1				io
io	GROUP1				37	38	GROUP1				io
out	PWR_M2				39	40	GROUP1				io
io	GROUP1				41	42	GROUP1				io
io	GROUP1				43	44	GND				
io	GROUP1				45	46	GROUP1				io
io	GROUP1				47	48	GROUP1				io
io	GROUP1				49	50	GROUP1				io
io	GROUP1				51	52	GROUP1				io
	GND				53	54	GND				
io	GROUP1				55	56	GROUP1				io
io	GROUP1				57	58	GROUP1				io
io	GROUP1				59	60	GROUP1				io
io	GROUP1				61	62	GROUP1				io
	GND				63	64	GND				
io	GROUP1				65	66	GROUP1				io
io	GROUP1				67	68	GROUP1				io
io	GROUP1				69	70	GROUP1				io
io	GROUP1				71	72	GROUP1				io
	GND				73	74	GND				
io	GROUP1				75	76	GROUP1				io
io	GROUP1				77	78	GROUP1				io
in	PWR_VBAT				79	80	GROUP1				io
io	GROUP1				81	82	GROUP1				io
io	GROUP1				83	84	GND				
io/io/out	GROUP6	MIO	UART TX		85	86	GROUP1				io
io/io	GROUP6	MIO			87	88	GROUP1				io
in	JTAGSEL				89	90	GND				
io/io	GROUP6	MIO			91	92	GROUP6	MIO	UART RX		io/io/in
io/io	GROUP6	MIO			93	94	GROUP1				io
io/io	GROUP6	MIO			95	96	GROUP1				io
io/io	GROUP6	MIO			97	98	GROUP1				io
io/io	GROUP6	MIO			99	100	GROUP1				io

JM2

Direction	Name	Pin	Pin	Name	Direction
in	VCCIOB	1	2	PWR_1	in
in	VCCIOB	3	4	PWR_1	in
in	VCCIOC	5	6	PWR_1	in
in	VCCIOD	7	8	PWR_1	in
in	VCCIOD	9	10	PWR_M1	out
io	GROUP3	11	12	PWR_M1	out
io	GROUP3	13	14	GROUP3	io
io	GROUP3	15	16	GROUP3	io
io	GROUP3	17	18	SC_nRST	in
	PWR_M3/NC	19	20	GND	
io	GROUP3	21	22	GROUP3	io
io	GROUP3	23	24	GROUP3	io
io	GROUP3	25	26	GROUP3	io
io	GROUP3	27	28	GROUP3	io
	GND	29	30	GND	
io	GROUP3	31	32	GROUP4	io
io	GROUP3	33	34	GROUP4	io
io	GROUP3	35	36	GROUP4	io
io	GROUP3	37	38	GROUP4	io
	GND	39	40	GND	
io	GROUP4	41	42	GROUP4	io
io	GROUP4	43	44	GROUP4	io
io	GROUP4	45	46	GROUP4	io
io	GROUP4	47	48	GROUP4	io
	GND	49	50	GND	
io	GROUP4	51	52	GROUP4	io
io	GROUP4	53	54	GROUP4	io
io	GROUP4	55	56	GROUP4	io
io	GROUP4	57	58	GROUP4	io
	GND	59	60	GND	
io	GROUP4	61	62	GROUP4	io
io	GROUP4	63	64	GROUP4	io
io	GROUP4	65	66	GROUP4	io
io	GROUP4	67	68	GROUP4	io
	GND	69	70	GND	
io	GROUP4	71	72	GROUP4	io
io	GROUP4	73	74	GROUP4	io
io	GROUP4	75	76	GROUP4	io
io	GROUP4	77	78	GROUP4	io
	GND	79	80	GND	
io	GROUP4	81	82	GROUP4	io
io	GROUP4	83	84	GROUP4	io
io	GROUP4	85	86	GROUP4	io
io	GROUP4	87	88	GROUP4	io
	GND	89	90	GND	
out	PWR_JTAG	91	92	GROUP4	io
in	TMS	93	94	GROUP4	io
in	TDI	95	96	GROUP4	io
out	TDO	97	98	GROUP4	io
in	TCK	99	100	GROUP4	io

Legend

Color	Name
(red)	Power-VCC
(dark red)	Power-GND
	GROUP1
	GROUP2
	GROUP3
	GROUP4
	GROUP5
	GROUP6
	GROUP7
	GROUP8
	GROUP9
	Special
	VCCIOA
	VCCIOB
	VCCIOC
	VCCIOD