



XIPHOS Pinout

Connector pinout reference

J1 / J2 – 100 pins each

v1.1

February 5, 2026

Company:	REIDITE Electronics
Document:	Pinout reference
Status:	Release 1.1 – Distribution



1 Release evolution

The following table lists document releases and their dates.

Version	Date	Changes
v0.1	2025-01-22	Initial draft of document structure.
v1.0	2025-02-02	Release 1.0 for distribution.
v1.1	2026-01-26	Pinout updated from official diagram; diagram embedded in Models datasheet; new Pinout reference document added.

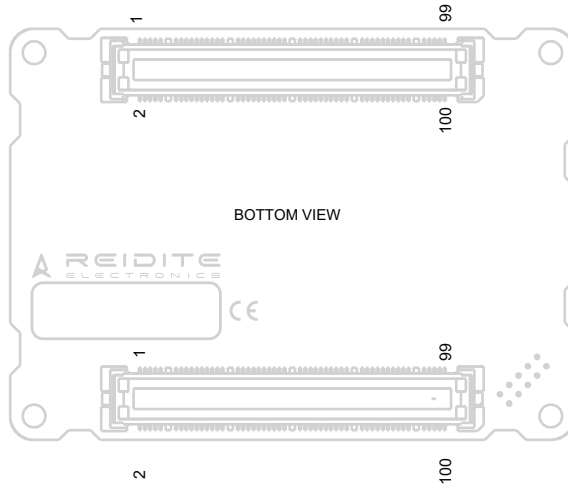
2 Hardware version guide

This documentation applies to XIPHOS hardware version **3.2.0**. Ensure that your module and carrier design match this revision; for other hardware versions, contact REIDITE Electronics or refer to the [XIPHOS product page \(downloads\)](#).

1	VDD	71	GND
2	IOB_0A	72	IOB_31B
3	VDD	73	SPI4_SCK
4	IOB_0B	74	IOB_32B
5	IOB_0A	75	SPI1_MOSI
6	IOB_0A	76	SPI1_MISO
7	N.C.	77	SPI1_MISO
8	IOB_1A	78	IOB_35B
9	N.C.	79	IOB_34A
10	IOB_2A	80	IOB_34A
11	GND	81	SPI1_CLK
12	IOB_0A	82	GND
13	IOB_0B	83	I2C1_SCL
14	IOB_0B	84	IOB_32A
15	IOB_0B	85	IOB_31A
16	IOB_3B	86	IOB_21A
17	IOB_4B	87	IOB_22A
18	IOT_49A	88	IOB_22A
19	IOT_51A	89	IOB_21A
20	IOT_51A	90	IOB_21A
21	GND	91	GND
22	LED_RGB2	92	IOB_19A
23	LED_RGB2	93	SPI2_MOSI
24	LED_RGB2	94	IOB_16A
25	LED_RGB1	95	SPI2_MISO
26	LED_RGB1	96	IOB_13B
27	LED_RGB1	97	IOB_13B
28	LED_RGB1	98	C_DONE
29	IOT_50B	99	C_RESET
30	IOT_50B	100	C_RESET
31	IOT_45A		
32	IOT_45A		
33	GND		
34	GND		
35	DONE		
36	IOT_48B		
37	IOT_48B		
38	IOT_48B		
39	ETH_PWR_EN		
40	GND		
41	GND		
42	IOT_41B		
43	IOT_41A		
44	IOT_41A		
45	GND		
46	GND		
47	IOT_42B		
48	IOT_42B		
49	IOT_41A		
50	GND		
51	HDMI_CEC		
52	IOT_38B		
53	GND		
54	IOT_38A		
55	GND		
56	GND		
57	GND		
58	IOT_37B		
59	SPI5_MOSI		
60	IOT_37A		
61	GND		
62	GND		
63	GPI0_11		
64	IOB_23B		
65	IOB_29B		
66	IOB_29B		
67	IOB_29B		
68	IOB_29B		
69	SPI4_MISO		
70	GND		
71	GPI0_3		
72	IOB_31B		
73	SPI4_SCK		
74	IOB_32B		
75	SPI1_MOSI		
76	SPI1_MISO		
77	SPI1_MISO		
78	IOB_35B		
79	IOB_34A		
80	IOB_34A		
81	SPI1_CLK		
82	GND		
83	I2C1_SCL		
84	IOB_32A		
85	IOB_31A		
86	IOB_21A		
87	IOB_22A		
88	IOB_22A		
89	IOB_21A		
90	IOB_21A		
91	GND		
92	IOB_19A		
93	SPI2_MOSI		
94	IOB_16A		
95	SPI2_MISO		
96	IOB_13B		
97	IOB_13B		
98	C_DONE		
99	C_RESET		
100	C_RESET		

Legenda:

POWER
STM Control
FPGA Control
Ethernet Control
I/O STM
I/O FPGA
I/O Ethernet
STM SPI
FPGA SPI
STM I2C
FPGA I2C
STM UART
STM CAN
STM USB
STM SDMMC
STM HDMI
GND
N.C. = Not Connected



Pin Principal Alternativa Función

1	N.C.	1	N.C.
2	POWER_EN	2	IOB_0A
3	N.C.	3	VDD
4	N.C.	4	IOB_0B
5	VDD	5	IOB_0A
6	N.C.	6	IOB_0A
7	BOOT0	7	N.C.
8	N.C.	8	IOB_1A
9	N.C.	9	N.C.
10	N.C.	10	IOB_2A
11	GND	11	GND
12	N.C.	12	IOB_0A
13	N.C.	13	IOB_0B
14	VIN	14	IOB_0B
15	VIN	15	IOB_3B
16	VIN	16	IOB_4B
17	VIN	17	IOT_49A
18	VIN	18	IOT_51A
19	VIN	19	IOT_51A
20	I2C2_SDA	20	GND
21	I2C2_SCL	21	LED_RGB2
22	VIN	22	LED_RGB1
23	VIN	23	LED_RGB1
24	VIN	24	LED_RGB1
25	VDD	25	LED_RGB1
26	VDD	26	IOT_50B
27	N.C.	27	IOT_50B
28	RESET	28	IOT_50B
29	VIN	29	IOT_45A
30	GND	30	IOT_45A
31	GND	31	GND
32	SDMMC1_D2	32	GND
33	SDMMC1_D7	33	GND
34	SDMMC1_D1	34	GND
35	SDMMC1_D4	35	DONE
36	GND	36	IOT_48B
37	GND	37	IOT_48B
38	SDMMC1_D0	38	IOT_48B
39	SDMMC1_D3	39	ETH_PWR_EN
40	SDMMC1_D5	40	GND
41	SDMMC1_D6	41	GND
42	GND	42	IOT_41B
43	SDMMC1_CK	43	IOT_41A
44	GPI0_2	44	IOT_41A
45	GPI0_3	45	GND
46	GPI0_9	46	GND
47	GPI0_4	47	IOT_42B
48	GPI0_8	48	IOT_42B
49	GPI0_5	49	IOT_41A
50	GND	50	GND
51	GND	51	HDMI_CEC
52	GND	52	IOT_38B
53	DBG_SWDIO	53	GND
54	DBG_SWDIO	54	IOT_38A
55	GND	55	GND
56	GND	56	GND
57	DBG_SWCLK	57	GND
58	DBG_SWCLK	58	IOT_37B
59	GND	59	SPI5_MOSI
60	GND	60	IOT_37A
61	DBG_SWO	61	GND
62	GND	62	GND
63	GND	63	GPI0_11
64	GND	64	IOB_23B
65	DBG_JTDI	65	IOB_29B
66	GND	66	IOB_29B
67	GND	67	IOB_29B
68	GND	68	IOB_29B
69	DBG_NWRST	69	SPI4_MISO
70	GND	70	GND
71	GND	71	GPI0_3
72	8SPI1_P1_I01	72	IOB_31B
73	8SPI1_P1_I02	73	SPI4_SCK
74	8SPI1_P1_I03	74	IOB_32B
75	8SPI1_P1_I04	75	SPI1_MOSI
76	8SPI1_P1_D0S	76	SPI1_MISO
77	8SPI1_P1_NCS	77	SPI1_MISO
78	8SPI1_P1_CLK	78	IOB_35B
79	8SPI1_P1_I05	79	IOB_34A
80	8SPI1_P1_I06	80	IOB_34A
81	8SPI1_P1_I07	81	SPI1_CLK
82	GND	82	GND
83	USB_PULLUP	83	I2C1_SCL
84	USB_PULLUP	84	IOB_32A
85	USB_ID	85	IOB_31A
86	USB_DM	86	IOB_21A
87	USB_DP	87	IOB_22A
88	USB_DM	88	IOB_22A
89	USB_DP	89	IOB_21A
90	GND	90	IOB_21A
91	GND	91	GND
92	ETH_1N	92	IOB_19A
93	ETH_1P	93	SPI2_MOSI
94	ETH_2N	94	IOB_16A
95	ETH_2P	95	SPI2_MISO
96	ETH_3N	96	IOB_13B
97	ETH_3P	97	IOB_13B
98	ETH_4N	98	C_DONE
99	ETH_4P	99	C_RESET
100	GND	100	C_RESET

For the complete XIPHOS document set and downloads, see the [XIPHOS product page \(downloads\)](#).

3 Revision history

Document changes are recorded in the following table.

Version	Date	Changes
v1.1	2026-01-26	Pinout document created; official diagram included.