




**注!**

下表不同颜色的底纹释义如下:

- |   |   |                |
|---|---|----------------|
| 1 |  | 引脚功能不同         |
| 2 |  | 主要配置功能不同       |
| 3 |  | BANK不同         |
| 4 |  | TRUE LVDS不同    |
| 5 |  | 电源不同           |
| 6 |   | 没有标注颜色底纹的为两者兼容 |

**GW1NR-4 QN88**

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
1	VCC	Power	N/A			
2	VSS	Ground	N/A			
3	IOL2A	I/O	3		True_of_IOL2B	TRUE
4	IOL3A/JTAGSEL_N/LPLL_T_in	I/O	3	JTAGSEL_N/LPLL_T_in	True_of_IOL3B	NONE
5	IOL10A/TMS	I/O	3	TMS	True_of_IOL10B	NONE
6	IOL10B/TCK	I/O	3	TCK	Comp_of_IOL10A	NONE
7	IOL10D/TDI	I/O	3	TDI	Comp_of_IOL10C	NONE
8	IOL10E/TDO	I/O	3	TDO	True_of_IOL10F	NONE
9	IOL10F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL10E	NONE
10	IOL10G/DONE	I/O	3	DONE	True_of_IOL10H	NONE
11	IOL11A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL11B	TRUE
12	VCCO3	Power	N/A			
13	IOL15A	I/O	3		True_of_IOL15B	TRUE
14	IOL15B	I/O	3		Comp_of_IOL15A	TRUE
15	IOL17A	I/O	3		True_of_IOL17B	TRUE
16	IOL17B	I/O	3		Comp_of_IOL17A	TRUE
17	IOB2A	I/O	2		True_of_IOB2B	TRUE
18	IOB2B	I/O	2		Comp_of_IOB2A	TRUE
19	IOB4A	I/O	2		True_of_IOB4B	TRUE
20	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
21	VSS	Ground	N/A			
22	VCC	Power	N/A			
23	VCCO2	Power	N/A			

**GW1NR-9 QN88**

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
1	VCC	Power	N/A			
2	VSS	Ground	N/A			
3	IOL2A	I/O	3		True_of_IOL2B	TRUE
4	IOL5A/JTAGSEL_N/LPLL_T_in	I/O	3	JTAGSEL_N/LPLL_T_in	True_of_IOL5B	NONE
5	IOL11A/TMS	I/O	3	TMS	True_of_IOL11B	TRUE
6	IOL11B/TCK	I/O	3	TCK	Comp_of_IOL11A	TRUE
7	IOL12B/TDI	I/O	3	TDI	Comp_of_IOL12A	NONE
8	IOL13A/TDO	I/O	3	TDO	True_of_IOL13B	TRUE
9	IOL13B/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL13A	TRUE
10	IOL14A/DONE	I/O	3	DONE	True_of_IOL14B	NONE
11	IOL15A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL15B	TRUE
12	VCCO3	Power	N/A			
13	IOL22A	I/O	3		True_of_IOL22B	TRUE
14	IOL22B	I/O	3		Comp_of_IOL22A	TRUE
15	IOL26A	I/O	3		True_of_IOL26B	TRUE
16	IOL26B	I/O	3		Comp_of_IOL26A	TRUE
17	IOB2A	I/O	2		True_of_IOB2B	TRUE
18	IOB2B	I/O	2		Comp_of_IOB2A	TRUE
19	IOB4A	I/O	2		True_of_IOB4B	TRUE
20	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
21	VSS	Ground	N/A			
22	VCC	Power	N/A			
23	VCCO2	Power	N/A			

## GW1NR-4 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
24	VSS	Ground	N/A			
25	IOB6A	I/O	2		True_of_IOB6B	TRUE
26	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
27	IOB8A	I/O	2		True_of_IOB8B	TRUE
28	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
29	IOB10A	I/O	2		True_of_IOB10B	NONE
30	IOB10B	I/O	2		Comp_of_IOB10A	NONE
31	IOB12A	I/O	2		True_of_IOB12B	TRUE
32	IOB12B	I/O	2		Comp_of_IOB12A	TRUE
33	IOB14A	I/O	2		True_of_IOB14B	TRUE
34	IOB15A	I/O	2		True_of_IOB15B	NONE
35	IOB20A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB20B	TRUE
36	IOB20B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB20A	TRUE
37	IOB26B	I/O	2		Comp_of_IOB26A	TRUE
38	IOB27B	I/O	2		Comp_of_IOB27A	NONE
39	IOB28A	I/O	2		True_of_IOB28B	NONE
40	IOB28B	I/O	2		Comp_of_IOB28A	NONE
41	IOB30A	I/O	2		True_of_IOB30B	TRUE
42	IOB30B	I/O	2		Comp_of_IOB30A	TRUE
43	VSS	Ground	N/A			
44	VCCO2	Power	N/A			
45	VCC	Power	N/A			
46	VSS	Ground	N/A			
47	IOB36B	I/O	2		Comp_of_IOB36A	TRUE
48	IOR17B	I/O	1		Comp_of_IOR17A	TRUE
49	IOR17A	I/O	1		True_of_IOR17B	TRUE
50	IOR15B	I/O	1		Comp_of_IOR15A	TRUE
51	IOR11B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR11A	TRUE
52	IOR11A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR11B	TRUE
53	IOR10J/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR10I	NONE
54	IOR10I/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR10J	NONE

## GW1NR-9 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
24	VSS	Ground	N/A			
25	IOB8A	I/O	2		True_of_IOB8B	TRUE
26	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
27	IOB11A	I/O	2		True_of_IOB11B	TRUE
28	IOB11B	I/O	2		Comp_of_IOB11A	TRUE
29	IOB13A	I/O	2		True_of_IOB13B	TRUE
30	IOB13B	I/O	2		Comp_of_IOB13A	TRUE
31	IOB15A	I/O	2		True_of_IOB15B	TRUE
32	IOB15B	I/O	2		Comp_of_IOB15A	TRUE
33	IOB23A	I/O	2		True_of_IOB23B	TRUE
34	IOB23B	I/O	2		Comp_of_IOB23A	TRUE
35	IOB29A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB29B	TRUE
36	IOB29B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB29A	TRUE
37	IOB31A	I/O	2		True_of_IOB31B	TRUE
38	IOB31B	I/O	2		Comp_of_IOB31A	TRUE
39	IOB33A	I/O	2		True_of_IOB33B	TRUE
40	IOB33B	I/O	2		Comp_of_IOB33A	TRUE
41	IOB41A	I/O	2		True_of_IOB41B	TRUE
42	IOB41B	I/O	2		Comp_of_IOB41A	TRUE
43	VSS	Ground	N/A			
44	VCCO2	Power	N/A			
45	VCC	Power	N/A			
46	VSS	Ground	N/A			
47	IOB43B	I/O	2		Comp_of_IOB43A	TRUE
48	IOR24B	I/O	1		Comp_of_IOR24A	TRUE
49	IOR24A	I/O	1		True_of_IOR24B	TRUE
50	IOR22B	I/O	1		Comp_of_IOR22A	TRUE
51	IOR17B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR17A	TRUE
52	IOR17A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR17B	TRUE
53	IOR15B/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR15A	TRUE
54	IOR15A/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR15B	TRUE

## GW1NR-4 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
55	IOR10H/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR10G	NONE
56	IOR10G/SO/D1	I/O	1	SO/D1	True_of_IOR10H	NONE
57	IOR10E/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR10F	NONE
58	VCCO1	Power	N/A			
59	IOR10D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR10C	NONE
60	IOR10C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR10D	NONE
61	IOR10B/MO/D6	I/O	1	MO/D6	Comp_of_IOR10A	NONE
62	IOR10A/MI/D7	I/O	1	MI/D7	True_of_IOR10B	NONE
63	IOR3A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR3B	NONE
64	VCCX/VCCO0	Power	N/A			
65	VSS	Ground	N/A			
66	VCC	Power	N/A			
67	VCCX/VCCO0	Power	N/A			
68	IOT37B	I/O	0		Comp_of_IOT37A	NONE
69	IOT37A	I/O	0		True_of_IOT37B	NONE
70	IOT36B	I/O	0		Comp_of_IOT36A	NONE
71	IOT36A	I/O	0		True_of_IOT36B	NONE
72	IOT35B	I/O	0		Comp_of_IOT35A	NONE
73	IOT35A	I/O	0		True_of_IOT35B	NONE
74	IOT33B	I/O	0		Comp_of_IOT33A	NONE
75	IOT32B	I/O	0		Comp_of_IOT32A	NONE
76	IOT31B	I/O	0		Comp_of_IOT31A	NONE
77	IOT30B	I/O	0		Comp_of_IOT30A	NONE
78	VCCX/VCCO0	Power	N/A			
79	IOT12A	I/O	0		True_of_IOT12B	NONE
80	IOT9A	I/O	0		True_of_IOT9B	NONE
81	IOT7A	I/O	0		True_of_IOT7B	NONE
82	IOT6A	I/O	0		True_of_IOT6B	NONE
83	IOT5B	I/O	0		Comp_of_IOT5A	NONE
84	IOT5A	I/O	0		True_of_IOT5B	NONE
85	IOT4B	I/O	0		Comp_of_IOT4A	NONE

## GW1NR-9 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
55	IOR14B/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR14A	NONE
56	IOR14A/SO/D1	I/O	1	SO/D1	True_of_IOR14B	NONE
57	IOR13A/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR13B	TRUE
58	VCCO1	Power	N/A			
59	IOR12B/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR12A	NONE
60	IOR12A/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR12B	NONE
61	IOR11B/MO/D6	I/O	1	MO/D6	Comp_of_IOR11A	TRUE
62	IOR11A/MI/D7	I/O	1	MI/D7	True_of_IOR11B	TRUE
63	IOR5A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR5B	NONE
64	VCCX/VCCO0	Power	N/A			
65	VSS	Ground	N/A			
66	VCC	Power	N/A			
67	VCCX/VCCO0	Power	N/A			
68	IOT42B	I/O	0		Comp_of_IOT42A	NONE
69	IOT42A	I/O	0		True_of_IOT42B	NONE
70	IOT41B	I/O	0		Comp_of_IOT41A	NONE
71	IOT41A	I/O	0		True_of_IOT41B	NONE
72	IOT39B	I/O	0		Comp_of_IOT39A	NONE
73	IOT39A	I/O	0		True_of_IOT39B	NONE
74	IOT38B	I/O	0		Comp_of_IOT38A	NONE
75	IOT38A	I/O	0		True_of_IOT38B	NONE
76	IOT37B	I/O	0		Comp_of_IOT37A	NONE
77	IOT37A	I/O	0		True_of_IOT37B	NONE
78	VCCX/VCCO0	Power	N/A			
79	IOT12B	I/O	0		Comp_of_IOT12A	NONE
80	IOT12A	I/O	0		True_of_IOT12B	NONE
81	IOT11B	I/O	0		Comp_of_IOT11A	NONE
82	IOT11A	I/O	0		True_of_IOT11B	NONE
83	IOT10B	I/O	0		Comp_of_IOT10A	NONE
84	IOT10A	I/O	0		True_of_IOT10B	NONE
85	IOT8B	I/O	0		Comp_of_IOT8A	NONE

**GW1NR-4 QN88**

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
86	IOT4A	I/O	0		True_of_IOT4B	NONE
87	MODE1	I/O	0			NONE
88	MODE0	I/O	0			NONE

**GW1NR-9 QN88**

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
86	IOT8A	I/O	0		True_of_IOT8B	NONE
87	MODE1	I/O	0			NONE
88	MODE0	I/O	0			NONE