
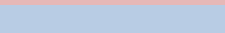





**注!**

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 |

**GW1N-1 QN32**

QN32	管脚名	功能	BANK	配置功能	差分Pair	LVDS
1	IOL10B	I/O	3		Comp_of_IOL10A	
2	VCC	Power	N/A			
3	VSS	Ground	N/A			
4	IOB11A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB11B	
5	IOB11B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB11A	
6	I0B16A	I/O	2		True_of_I0B16B	
7	VCCO1/VCCO2	Power	N/A			
8	I0R7B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_I0R7A	
9	I0R7A/GCLKT_3	I/O	1	GCLKT_3	True_of_I0R7B	
10	I0R6H/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_I0R6G	
11	I0R6G/SO/D1	I/O	1	SO/D1	True_of_I0R6H	
12	I0R6F/SI/D2	I/O	1	SI/D2	Comp_of_I0R6E	
13	I0R5B/GCLKC_2/RPLL_C_in	I/O	1	GCLKC_2/RPLL_C_in	Comp_of_I0R5A	
14	I0R5A/GCLKT_2/RPLL_T_in	I/O	1	GCLKT_2/RPLL_T_in	True_of_I0R5B	
15	I0R4A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_I0R4B	
16	I0R2B	I/O	1		Comp_of_I0R2A	
17	I0R2A	I/O	1		True_of_I0R2B	
18	VCC	Power	N/A			
19	VCCO0	Power	N/A			
20	I0T11A	I/O	0		True_of_I0T11B	
21	I0T10B	I/O	0		Comp_of_I0T10A	
22	I0T10A	I/O	0		True_of_I0T10B	

**GW1N-4 QN32**

QN32	管脚名	功能	BANK	配置功能	差分Pair	LVDS
1	I0B4B	I/O	2		Comp_of_I0B4A	TRUE
2	VCC	Power	N/A			
3	VSS	Ground	N/A			
4	I0B20A/GCLKT_4	I/O	2	GCLKT_4	True_of_I0B20B	TRUE
5	I0B20B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_I0B20A	TRUE
6	VCCO2	Power	N/A			
7	VCCO1	Power	N/A			
8	I0R11B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_I0R11A	TRUE
9	I0R11A/GCLKT_3	I/O	1	GCLKT_3	True_of_I0R11B	TRUE
10	I0R10D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_I0R10C	NONE
11	I0R10C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_I0R10D	NONE
12	I0R10B/MO/D6	I/O	1	MO/D6	Comp_of_I0R10A	NONE
13	I0R10A/MI/D7	I/O	1	MI/D7	True_of_I0R10B	NONE
14	I0R9A/GCLKT_2	I/O	1	GCLKT_2	True_of_I0R9B	NONE
15	VCCX	Power	N/A			
16	I0R3B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_I0R3A	NONE
17	I0R3A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_I0R3B	NONE
18	VCC	Power	N/A			
19	VCCO0	Power	N/A			
20	I0T17A	I/O	0		True_of_I0T17B	NONE
21	I0T16B	I/O	0		Comp_of_I0T16A	NONE
22	I0T16A	I/O	0		True_of_I0T16B	NONE

## GW1N-1 QN32

QN32	管脚名	功能	BANK	配置功能	差分Pair	LVDS
23	MODE0	I/O	0			
24	IOL6A/TMS	I/O	3	TMS	True_of_IOL6B	
25	IOL6B/TCK	I/O	3	TCK	Comp_of_IOL6A	
26	IOL6C/SCLK	I/O	3	SCLK	True_of_IOL6D	
27	IOL6D/TDI	I/O	3	TDI	Comp_of_IOL6C	
28	IOL6E/TDO	I/O	3	TDO	True_of_IOL6F	
29	IOL7A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL7B	
30	IOL7B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL7A	
31	VCCO3	Power	N/A			
32	IOL10A	I/O	3		True_of_IOL10B	

## GW1N-4 QN32

QN32	管脚名	功能	BANK	配置功能	差分Pair	LVDS
23	MODE1	I/O	0			NONE
24	IOL10A/TMS	I/O	3	TMS	True_of_IOL10B	NONE
25	IOL10B/TCK	I/O	3	TCK	Comp_of_IOL10A	NONE
26	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
27	IOL10D/TDI	I/O	3	TDI	Comp_of_IOL10C	NONE
28	IOL10E/TDO	I/O	3	TDO	True_of_IOL10F	NONE
29	IOL10F/RECONFI G_N	I/O	3	RECONFIG _N	Comp_of_IOL10E	NONE
30	IOL10G/DONE	I/O	3	DONE	True_of_IOL10H	NONE
31	VCCO3	Power	N/A			
32	IOB4A	I/O	2		True_of_IOB4B	TRUE

**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

**GW1N-1 QN48**

QN48	管脚名	功能	BANK	配置功能	差分Pair
1	VCCO0/VCCO3	Power	N/A		
2	VSS	Ground	N/A		
3	IOL6A/TMS	I/O	3	TMS	True_of_IOL6B
4	IOL6B/TCK	I/O	3	TCK	Comp_of_IOL6A
5	IOL6C/SCLK	I/O	3	SCLK	True_of_IOL6D
6	IOL6D/TDI	I/O	3	TDI	Comp_of_IOL6C
7	IOL6E/TDO	I/O	3	TDO	True_of_IOL6F
8	IOL6F /RECONFIG_N	I/O	3	RECO NFIG_N	Comp_of_IOL6E
9	IOL6G/DONE	I/O	3	DONE	True_of_IOL6H
10	IOL7A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL7B
11	IOL7B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL7A
12	VCC	Power	N/A		
13	IOB3A	I/O	2		True_of_IOB3B
14	IOB3B	I/O	2		Comp_of_IOB3A
15	IOB6A	I/O	2		Comp_of_IOB6A
16	IOB7A	I/O	2		True_of_IOB7B
17	IOB10A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB10B
18	IOB10B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_IOB10A
19	IOB11A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB11B
20	IOB11B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB11A
21	IOB14A	I/O	2		True_of_IOB14B
22	IOB14B	I/O	2		Comp_of_IOB14A
23	IOB16A	I/O	2		True_of_IOB16B
24	IOB16B	I/O	2		Comp_of_IOB16A
25	VCCO2	Power	N/A		
26	VSS	Ground	N/A		
27	IOR7A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR7B
28	IOR6H/SSPL_CS_N	I/O	1	SSPL_CS	Comp_of_IOR6G
29	IOR6G/SO/D1	I/O	1	SO/D1	True_of_IOR6H
30	IOR6F/SI/D2	I/O	1	SI/D2	Comp_of_IOR6E
31	IOR6D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR6C
32	IOR6C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR6D
33	IOR6B/MO/D6	I/O	1	MO/D6	Comp_of_IOR6A
34	IOR6A/MI/D7	I/O	1	MI/D7	True_of_IOR6B
35	IOR5A/GCLKT_2 /RPLL_T_in	I/O	1	GCLKT_2/RPLL_T_in	True_of_IOR5B
36	VCCO1	Power	N/A		
37	VCC	Power	N/A		

**GW1N-4 QN48**

QN48	管脚名	功能	BANK	配置功能	差分Pair	LVDS
1	VCCO0/VCCO3	Power	N/A			
2	VSS	Ground	N/A			
3	IOL3A /JTAGESEL_N /LPLL_T_in	I/O	3	JTAGESEL_N /LPLL_T_in	True_of_IOL3B	NONE
4	IOL10A/TMS	I/O	3	TMS	True_of_IOL10B	NONE
5	IOL10B/TCK	I/O	3	TCK	Comp_of_IOL10A	NONE
6	IOL10D/TDI	I/O	3	TDI	Comp_of_IOL10C	NONE
7	IOL10E/TDO	I/O	3	TDO	True_of_IOL10F	NONE
8	IOL10F /RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL10E	NONE
9	IOL10G/DONE	I/O	3	DONE	True_of_IOL10H	NONE
10	IOL11A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL11B	TRUE
11	IOL11B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL11A	TRUE
12	VCC	Power	N/A			
13	IOB6A	I/O	2		True_of_IOB6B	TRUE
14	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
15	IOB12A	I/O	2		True_of_IOB12B	TRUE
16	IOB12B	I/O	2		Comp_of_IOB12A	TRUE
17	IOB18A	I/O	2		True_of_IOB18B	TRUE
18	IOB18B	I/O	2		Comp_of_IOB18A	TRUE
19	IOB20A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB20B	TRUE
20	IOB20B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB20A	TRUE
21	IOB26A	I/O	2		True_of_IOB26B	TRUE
22	IOB26B	I/O	2		Comp_of_IOB26A	TRUE
23	IOB32A	I/O	2		True_of_IOB32B	TRUE
24	IOB32B	I/O	2		Comp_of_IOB32A	TRUE
25	VCCO1/VCCO2	Power	N/A			
26	VSS	Ground	N/A			
27	IOR17B	I/O	1		Comp_of_IOR17A	TRUE
28	IOR17A	I/O	1		True_of_IOR17B	TRUE
29	IOR11B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR11A	TRUE
30	IOR11A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR11B	TRUE
31	IOR10D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR10C	NONE
32	IOR10C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR10D	NONE
33	IOR10B/MO/D6	I/O	1	MO/D6	Comp_of_IOR10A	NONE
34	IOR10A/MI/D7	I/O	1	MI/D7	True_of_IOR10B	NONE
35	IOR3A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR3B	NONE
36	VCCX	Power	N/A			
37	VCC	Power	N/A			

**GW1N-9 QN48**

QN48	管脚名	功能	BANK	配置功能	差分Pair	LVDS
1	VCCO0/VCCO3	Power	N/A			
2	VSS	Ground	N/A			
3	IOL5A /JTAGESEL_N /LPLL_T_in	I/O	3	JTAGESEL_N /LPLL_T_in	True_of_IOL5B	NONE
4	IOL11A/TMS	I/O	3	TMS	True_of_IOL11B	TRUE
5	IOL11B/TCK	I/O	3	TCK	Comp_of_IOL11A	TRUE
6	IOL12B/TDI	I/O	3	TDI	Comp_of_IOL12A	NONE
7	IOL13A/TDO	I/O	3	TDO	True_of_IOL13B	TRUE
8	IOL13B /RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL13A	TRUE
9	IOL14A/DONE	I/O	3	DONE	True_of_IOL14B	NONE
10	IOL15A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL15B	TRUE
11	IOL15B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL15A	TRUE
12	VCC	Power	N/A			
13	IOB8A	I/O	2		True_of_IOB8B	TRUE
14	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
15	IOB17A	I/O	2		True_of_IOB17B	TRUE
16	IOB17B	I/O	2		Comp_of_IOB17A	TRUE
17	IOB27A	I/O	2		True_of_IOB27B	TRUE
18	IOB27B	I/O	2		Comp_of_IOB27A	TRUE
19	IOB29A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB29B	TRUE
20	IOB29B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB29A	TRUE
21	IOB35A	I/O	2		True_of_IOB35B	TRUE
22	IOB35B	I/O	2		Comp_of_IOB35A	TRUE
23	IOB39A	I/O	2		True_of_IOB39B	TRUE
24	IOB39B	I/O	2		Comp_of_IOB39A	TRUE
25	VCCO1/VCCO2	Power	N/A			
26	VSS	Ground	N/A			
27	IOR24B	I/O	1		Comp_of_IOR24A	TRUE
28	IOR24A	I/O	1		True_of_IOR24B	TRUE
29	IOR17B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR17A	TRUE
30	IOR17A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR17B	TRUE
31	IOR12B/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR12A	NONE
32	IOR12A/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR12B	NONE
33	IOR11B/MO/D6	I/O	1	MO/D6	Comp_of_IOR11A	TRUE
34	IOR11A/MI/D7	I/O	1	MI/D7	True_of_IOR11B	TRUE
35	IOR5A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR5B	NONE
36	VCCX	Power	N/A			
37	VCC	Power	N/A			

GW1N-1 QN48

QN48	管脚名	功能	BANK	配置功能	差分Pair
38	IOT17B	I/O	0		Comp_of_IOT17A
39	IOT17A	I/O	0		True_of_IOT17B
40	IOT14B	I/O	0		Comp_of_IOT14A
41	IOT14A	I/O	0		True_of_IOT14B
42	IOT10B	I/O	0		Comp_of_IOT10A
43	IOT10A	I/O	0		True_of_IOT10B
44	IOT7B	I/O	0		Comp_of_IOT7A
45	IOT7A	I/O	0		True_of_IOT7B
46	IOT5B	I/O	0		Comp_of_IOT5A
47	MODE1	I/O	0		
48	MODE0	I/O	0		

GW1N-4 QN48


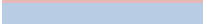



QN48	管脚名	功能	BANK	配置功能	差分Pair	LVDS
38	IOT35B	I/O	0		Comp_of_IOT35A	NONE
39	IOT35A	I/O	0		True_of_IOT35B	NONE
40	IOT30B	I/O	0		Comp_of_IOT30A	NONE
41	IOT30A	I/O	0		True_of_IOT30B	NONE
42	IOT24B	I/O	0		Comp_of_IOT24A	NONE
43	IOT24A	I/O	0		True_of_IOT24B	NONE
44	IOT16B	I/O	0		Comp_of_IOT16A	NONE
45	IOT16A	I/O	0		True_of_IOT16B	NONE
46	IOT9B	I/O	0		Comp_of_IOT9A	NONE
47	IOT9A	I/O	0		True_of_IOT9B	NONE
48	MODE1	I/O	0			NONE

GW1N-9 QN48

QN48	管脚名	功能	BANK	配置功能	差分Pair	LVDS
38	IOT42B	I/O	0		Comp_of_IOT42A	NONE
39	IOT42A	I/O	0		True_of_IOT42B	NONE
40	IOT37B	I/O	0		Comp_of_IOT37A	NONE
41	IOT37A	I/O	0		True_of_IOT37B	NONE
42	IOT32B	I/O	0		Comp_of_IOT32A	NONE
43	IOT32A	I/O	0		True_of_IOT32B	NONE
44	IOT22B	I/O	0		Comp_of_IOT22A	NONE
45	IOT22A	I/O	0		True_of_IOT22B	NONE
46	IOT12B	I/O	0		Comp_of_IOT12A	NONE
47	IOT12A	I/O	0		True_of_IOT12B	NONE
48	MODE1/MODE2	I/O	0			NONE

**注!**

下表中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 |  | LVDS不同         |
| 5 |  | 电源不同           |
| 6 |   | 没有标注颜色底纹的为两者兼容 |

**GW1N-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			
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

**GW1N-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			
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

## GW1N-4 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
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
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

## GW1N-9 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
30	IOB13B	I/O	2		Comp_of_IOB13A	TRUE
31	IOB17A	I/O	2		True_of_IOB17B	TRUE
32	IOB17B	I/O	2		Comp_of_IOB17A	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
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

## GW1N-4 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
64	VCCX	Power	N/A			
65	VSS	Ground	N/A			
66	VCC	Power	N/A			
67	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	Power	N/A			
79	IOT12A	I/O	0		True_of_IOT12B	NONE
80	IOT9A	I/O	0		True_of_IOT9B	NONE
81	IOT6B	I/O	0		Comp_of_IOT6A	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
86	IOT4A	I/O	0		True_of_IOT4B	NONE
87	MODE1	I/O	0			NONE
88	MODE0	I/O	0			NONE

## GW1N-9 QN88

QN88	管脚名	功能	BANK	配置功能	差分Pair	LVDS
64	VCCX	Power	N/A			
65	VSS	Ground	N/A			
66	VCC	Power	N/A			
67	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	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
86	IOT8A	I/O	0		True_of_IOT8B	NONE
87	MODE1	I/O	0			NONE
88	MODE0	I/O	0			NONE

**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

**GW1N-1 LQ100**

LQ100	管脚名	功能	BANK	配置功能	差分Pair
1	VCC	Power	N/A		
2	VSS	Ground	N/A		
3	IOL2A/JTAGSEL_N	I/O	3	JTAGSEL_N	True_of_IOL2B
4	VCCO3	Power	N/A		
5	IOL2B	I/O	3		Comp_of_IOL2A
6	IOL5A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL5B
7	IOL5B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL5A
8	IOL6A/TMS	I/O	3	TMS	True_of_IOL6B
9	IOL6B/TCK	I/O	3	TCK	Comp_of_IOL6A
10	IOL6C/SCLK	I/O	3	SCLK	True_of_IOL6D
11	IOL6D/TDI	I/O	3	TDI	Comp_of_IOL6C
12	IOL6E/TDO	I/O	3	TDO	True_of_IOL6F
13	VCCO3	Power	N/A		
14	IOL6F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL6E
15	IOL6G/DONE	I/O	3	DONE	True_of_IOL6H
16	IOL6H/READY	I/O	3	READY	Comp_of_IOL6G
17	IOL7A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL7B
18	IOL7B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL7A
19	IOL8A	I/O	3		True_of_IOL8B
20	IOL8B	I/O	3		Comp_of_IOL8A
21	VCCO3	Power	N/A		
22	IOL10A	I/O	3		True_of_IOL10B
23	IOL10B	I/O	3		Comp_of_IOL10A
24	VSS	Ground	N/A		
25	VCC	Power	N/A		
26	VCCO2	Power	N/A		
27	IOB2A	I/O	2		True_of_IOB2B
28	IOB2B	I/O	2		Comp_of_IOB2A
29	IOB3A	I/O	2		True_of_IOB3B
30	IOB3B	I/O	2		Comp_of_IOB3A
31	IOB5A	I/O	2		True_of_IOB5B
32	IOB5B	I/O	2		Comp_of_IOB5A
33	IOB6B	I/O	2		Comp_of_IOB6A
34	IOB7A	I/O	2		True_of_IOB7B
35	IOB8A	I/O	2		True_of_IOB8B
36	IOB8B	I/O	2		Comp_of_IOB8A
37	VSS	Ground	N/A		
38	VCCO2	Power	N/A		
39	IOB10A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB10B

**GW1N-4 LQ100**

LQ100	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	IOL3A/JTAGSEL_N/LPLL_T_in	I/O	3	JTAGSEL_N/LPLL_T_in	True_of_IOL3B	NONE
4	VCCO3	Power	N/A			
5	IOL3B/LPLL_C_in	I/O	3	LPLL_C_in	Comp_of_IOL3A	NONE
6	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
7	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
8	IOL10A/TMS	I/O	3	TMS	True_of_IOL10B	NONE
9	IOL10B/TCK	I/O	3	TCK	Comp_of_IOL10A	NONE
10	IOL10C/SCLK	I/O	3	SCLK	True_of_IOL10D	NONE
11	IOL10D/TDI	I/O	3	TDI	Comp_of_IOL10C	NONE
12	IOL10E/TDO	I/O	3	TDO	True_of_IOL10F	NONE
13	VCCO3	Power	N/A			
14	IOL10F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL10E	NONE
15	IOL10G/DONE	I/O	3	DONE	True_of_IOL10H	NONE
16	IOL10H/READY	I/O	3	READY	Comp_of_IOL10G	NONE
17	IOL11A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL11B	TRUE
18	IOL11B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL11A	TRUE
19	IOL13A	I/O	3		True_of_IOL13B	TRUE
20	IOL13B	I/O	3		Comp_of_IOL13A	TRUE
21	VCCX	Power	N/A			
22	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
23	IOB5B	I/O	2		Comp_of_IOB5A	NONE
24	VSS	Ground	N/A			
25	VCC	Power	N/A			
26	VCCO2	Power	N/A			
27	IOB6A	I/O	2		True_of_IOB6B	TRUE
28	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
29	IOB8A	I/O	2		True_of_IOB8B	TRUE
30	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
31	IOB10A	I/O	2		True_of_IOB10B	NONE
32	IOB10B	I/O	2		Comp_of_IOB10A	NONE
33	IOB12A	I/O	2		True_of_IOB12B	TRUE
34	IOB12B	I/O	2		Comp_of_IOB12A	TRUE
35	IOB14A	I/O	2		True_of_IOB14B	TRUE
36	IOB14B	I/O	2		Comp_of_IOB14A	TRUE
37	VSS	Ground	N/A			
38	VCCO2	Power	N/A			
39	IOB19A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB19B	NONE

**GW1N-9 LQ100**

LQ100	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	IOL5A/JTAGSEL_N/LPLL_T_in	I/O	3	JTAGSEL_N/LPLL_T_in	True_of_IOL5B	NONE
4	VCCO3	Power	N/A			
5	IOL7B	I/O	3		Comp_of_IOL7A	NONE
6	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
7	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
8	IOL11A/TMS	I/O	3	TMS	True_of_IOL11B	TRUE
9	IOL11B/TCK	I/O	3	TCK	Comp_of_IOL11A	TRUE
10	IOL12A/SCLK	I/O	3	SCLK	True_of_IOL12B	NONE
11	IOL12B/TDI	I/O	3	TDI	Comp_of_IOL12A	NONE
12	IOL13A/TDO	I/O	3	TDO	True_of_IOL13B	TRUE
13	VCCO3	Power	N/A			
14	IOL13B/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL13A	TRUE
15	IOL14A/DONE	I/O	3	DONE	True_of_IOL14B	NONE
16	IOL14B/READY	I/O	3	READY	Comp_of_IOL14A	NONE
17	IOL15A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL15B	TRUE
18	IOL15B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL15A	TRUE
19	IOL20A	I/O	3		True_of_IOL20B	TRUE
20	IOL20B	I/O	3		Comp_of_IOL20A	TRUE
21	VCCX	Power	N/A			
22	IOB6A	I/O	2		True_of_IOB6B	TRUE
23	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
24	VSS	Ground	N/A			
25	VCC	Power	N/A			
26	VCCO2	Power	N/A			
27	IOB8A	I/O	2		True_of_IOB8B	TRUE
28	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
29	IOB11A	I/O	2		True_of_IOB11B	TRUE
30	IOB11B	I/O	2		Comp_of_IOB11A	TRUE
31	IOB13A	I/O	2		True_of_IOB13B	TRUE
32	IOB13B	I/O	2		Comp_of_IOB13A	TRUE
33	IOB15A	I/O	2		True_of_IOB15B	TRUE
34	IOB15B	I/O	2		Comp_of_IOB15A	TRUE
35	IOB17A	I/O	2		True_of_IOB17B	TRUE
36	IOB17B	I/O	2		Comp_of_IOB17A	TRUE
37	VSS	Ground	N/A			
38	VCCO2	Power	N/A			
39	IOB28A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB28B	NONE



GW1N-1 LQ100

LQ100	管脚名	功能	BANK	配置功能	差分Pair
40	IOB10B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_IOB10A
41	IOB11A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB11B
42	IOB11B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB11A
43	IOB12B	I/O	2		Comp_of_IOB12A
44	IOB14A	I/O	2		True_of_IOB14B
45	IOB14B	I/O	2		Comp_of_IOB14A
46	IOB16A	I/O	2		True_of_IOB16B
47	IOB16B	I/O	2		Comp_of_IOB16A
48	IOB17A	I/O	2		True_of_IOB17B
49	IOB17B	I/O	2		Comp_of_IOB17A
50	IOB19A	I/O	2		True_of_IOB19B
51	VCC	Power	N/A		
52	VSS	Ground	N/A		
53	IOR10B	I/O	1		Comp_of_IOR10A
54	VCCO1	Power	N/A		
55	IOR10A	I/O	1		True_of_IOR10B
56	IOR7B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR7A
57	IOR7A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR7B
58	IOR6J/DOUT /WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR6I
59	IOR6I/DIN /CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR6J
60	IOR6H/ SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR6G
61	IOR6G/SO/D1	I/O	1	SO/D1	True_of_IOR6H
62	IOR6F/SI/D2	I/O	1	SI/D2	Comp_of_IOR6E
63	VCCO1	Power	N/A		
64	IOR6E/ FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR6F
65	IOR6D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR6C
66	IOR6C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR6D
67	IOR6B/MO/D6	I/O	1	MO/D6	Comp_of_IOR6A
68	IOR6A/MI/D7	I/O	1	MI/D7	True_of_IOR6B
69	IOR5B/GCLKC_2/ RPLL_C_in	I/O	1	GCLKC_2 /RPLL_C_in	Comp_of_IOR5A
70	IOR5A/GCLKT_2/ RPLL_T_in	I/O	1	GCLKT_2 /RPLL_T_in	True_of_IOR5B
71	VCCO1	Power	N/A		
72	IOR2B	I/O	1		Comp_of_IOR2A
73	IOR2A	I/O	1		True_of_IOR2B
74	VSS	Ground	N/A		
75	VCC	Power	N/A		
76	VCCO0	Power	N/A		
77	IOT17B	I/O	0		Comp_of_IOT17A
78	IOT17A	I/O	0		True_of_IOT17B
79	IOT16B	I/O	0		Comp_of_IOT16A
80	IOT16A	I/O	0		True_of_IOT16B
81	IOT15B	I/O	0		Comp_of_IOT15A
82	IOT15A	I/O	0		True_of_IOT15B

GW1N-4 LQ100

LQ100	管脚名	功能	BANK	配置功能	差分Pair	LVDS
40	IOB19B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_IOB19A	NONE
41	IOB20A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB20B	TRUE
42	IOB20B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB20A	TRUE
43	IOB24A	I/O	2		True_of_IOB24B	TRUE
44	IOB24B	I/O	2		Comp_of_IOB24A	TRUE
45	IOB26A	I/O	2		True_of_IOB26B	TRUE
46	IOB26B	I/O	2		Comp_of_IOB26A	TRUE
47	IOB30A	I/O	2		True_of_IOB30B	TRUE
48	IOB30B	I/O	2		Comp_of_IOB30A	TRUE
49	IOB32A	I/O	2		True_of_IOB32B	TRUE
50	IOB32B	I/O	2		Comp_of_IOB32A	TRUE
51	VCC	Power	N/A			
52	VSS	Ground	N/A			
53	IOB34B	I/O	2		Comp_of_IOB34A	TRUE
54	VCCO1	Power	N/A			
55	IOB34A	I/O	2		True_of_IOB34B	TRUE
56	IOR11B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR11A	TRUE
57	IOR11A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR11B	TRUE
58	IOR10J/DOUT /WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR10I	NONE
59	IOR10I/DIN /CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR10J	NONE
60	IOR10H/SSPI_CS_N/ D0	I/O	1	SSPI_CS_N/ D0	Comp_of_IOR10G	NONE
61	IOR10G/SO/D1	I/O	1	SO/D1	True_of_IOR10H	NONE
62	IOR10F/SI/D2	I/O	1	SI/D2	Comp_of_IOR10E	NONE
63	VCCO1	Power	N/A			
64	IOR10E/FASTRD_N/ D3	I/O	1	FASTRD_N /D3	True_of_IOR10F	NONE
65	IOR10D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR10C	NONE
66	IOR10C/MCS_N /D5	I/O	1	MCS_N/D5	True_of_IOR10D	NONE
67	IOR10B/MO/D6	I/O	1	MO/D6	Comp_of_IOR10A	NONE
68	IOR10A/MI/D7	I/O	1	MI/D7	True_of_IOR10B	NONE
69	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
70	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
71	VCCX	Power	N/A			
72	IOR3B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR3A	NONE
73	IOR3A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR3B	NONE
74	VSS	Ground	N/A			
75	VCC	Power	N/A			
76	VCCO0	Power	N/A			
77	IOT37B	I/O	0		Comp_of_IOT37A	NONE
78	IOT37A	I/O	0		True_of_IOT37B	NONE
79	IOT35B	I/O	0		Comp_of_IOT35A	NONE
80	IOT35A	I/O	0		True_of_IOT35B	NONE
81	IOT30B	I/O	0		Comp_of_IOT30A	NONE
82	IOT30A	I/O	0		True_of_IOT30B	NONE

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LQ100	管脚名	功能	BANK	配置功能	差分Pair	LVDS
40	IOB28B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_IOB28A	NONE
41	IOB29A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB29B	TRUE
42	IOB29B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB29A	TRUE
43	IOB31A	I/O	2		True_of_IOB31B	TRUE
44	IOB31B	I/O	2		Comp_of_IOB31A	TRUE
45	IOB33A	I/O	2		True_of_IOB33B	TRUE
46	IOB33B	I/O	2		Comp_of_IOB33A	TRUE
47	IOB35A	I/O	2		True_of_IOB35B	TRUE
48	IOB35B	I/O	2		Comp_of_IOB35A	TRUE
49	IOB39A	I/O	2		True_of_IOB39B	TRUE
50	IOB39B	I/O	2		Comp_of_IOB39A	TRUE
51	VCC	Power	N/A			
52	VSS	Ground	N/A			
53	IOB43B	I/O	2		Comp_of_IOB43A	TRUE
54	VCCX	Power	N/A			
55	IOB43A	I/O	2		True_of_IOB43B	TRUE
56	IOR17B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR17A	TRUE
57	IOR17A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR17B	TRUE
58	IOR15B/DOUT /WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR15A	TRUE
59	IOR15A/DIN /CLKHOLD_N	I/O	1	DIN /CLKHOLD_N	True_of_IOR15B	TRUE
60	IOR14B/ SSPI_CS_N/D0	I/O	1	SSPI_CS_N /D0	Comp_of_IOR14A	NONE
61	IOR14A/SO/D1	I/O	1	SO/D1	True_of_IOR14B	NONE
62	IOR13B/SI/D2	I/O	1	SI/D2	Comp_of_IOR13A	TRUE
63	VCCO1	Power	N/A			
64	IOR13A/FASTRD_N/ D3	I/O	1	FASTRD_N /D3	True_of_IOR13B	TRUE
65	IOR12B/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR12A	NONE
66	IOR12A/MCS_N /D5	I/O	1	MCS_N/D5	True_of_IOR12B	NONE
67	IOR11B/MO/D6	I/O	1	MO/D6	Comp_of_IOR11A	TRUE
68	IOR11A/MI/D7	I/O	1	MI/D7	True_of_IOR11B	TRUE
69	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
70	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
71	VCCO1	Power	N/A			
72	IOR5B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR5A	NONE
73	IOR5A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR5B	NONE
74	VSS	Ground	N/A			
75	VCC	Power	N/A			
76	VCCO0	Power	N/A			
77	IOT42B	I/O	0		Comp_of_IOT42A	NONE
78	IOT42A	I/O	0		True_of_IOT42B	NONE
79	IOT41B	I/O	0		Comp_of_IOT41A	NONE
80	IOT41A	I/O	0		True_of_IOT41B	NONE
81	IOT39B	I/O	0		Comp_of_IOT39A	NONE
82	IOT39A	I/O	0		True_of_IOT39B	NONE

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LQ100	管脚名	功能	BANK	配置功能	差分Pair
83	IOT14B	I/O	0		Comp_of_IOT14A
84	IOT14A	I/O	0		True_of_IOT14B
85	IOT12B	I/O	0		Comp_of_IOT12A
86	IOT12A	I/O	0		True_of_IOT12B
87	VSS	Ground	N/A		
88	VCC00	Power	N/A		
89	IOT11A	I/O	0		True_of_IOT11B
90	IOT10B	I/O	0		Comp_of_IOT10A
91	IOT10A	I/O	0		True_of_IOT10B
92	IOT9B	I/O	0		Comp_of_IOT9A
93	IOT9A	I/O	0		True_of_IOT9B
94	IOT7B	I/O	0		Comp_of_IOT7A
95	IOT7A	I/O	0		True_of_IOT7B
96	IOT5B	I/O	0		Comp_of_IOT5A
97	IOT5A	I/O	0		True_of_IOT5B
98	IOT4B	I/O	0		Comp_of_IOT4A
99	IOT4A	I/O	0		True_of_IOT4B
100	MODE0	I/O	0		

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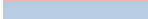


LQ100	管脚名	功能	BANK	配置功能	差分Pair	LVDS
83	IOT24B	I/O	0		Comp_of_IOT24A	NONE
84	IOT24A	I/O	0		True_of_IOT24B	NONE
85	IOT20B	I/O	0		Comp_of_IOT20A	NONE
86	IOT20A	I/O	0		True_of_IOT20B	NONE
87	VSS	Ground	N/A			
88	VCC00	Power	N/A			
89	IOT17A	I/O	0		True_of_IOT17B	NONE
90	IOT16B	I/O	0		Comp_of_IOT16A	NONE
91	IOT16A	I/O	0		True_of_IOT16B	NONE
92	IOT14B	I/O	0		Comp_of_IOT14A	NONE
93	IOT14A	I/O	0		True_of_IOT14B	NONE
94	IOT9B	I/O	0		Comp_of_IOT9A	NONE
95	IOT9A	I/O	0		True_of_IOT9B	NONE
96	IOT6B	I/O	0		Comp_of_IOT6A	NONE
97	IOT6A	I/O	0		True_of_IOT6B	NONE
98	IOT4B	I/O	0		Comp_of_IOT4A	NONE
99	IOT4A	I/O	0		True_of_IOT4B	NONE
100	MODE0	I/O	0			NONE

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LQ100	管脚名	功能	BANK	配置功能	差分Pair	LVDS
83	IOT37B	I/O	0		Comp_of_IOT37A	NONE
84	IOT37A	I/O	0		True_of_IOT37B	NONE
85	IOT32B	I/O	0		Comp_of_IOT32A	NONE
86	IOT32A	I/O	0		True_of_IOT32B	NONE
87	VSS	Ground	N/A			
88	VCC00	Power	N/A			
89	IOT22B	I/O	0		Comp_of_IOT22A	NONE
90	IOT22A	I/O	0		True_of_IOT22B	NONE
91	IOT20A	I/O	0		True_of_IOT20B	NONE
92	IOT17B	I/O	0		Comp_of_IOT17A	NONE
93	IOT17A	I/O	0		True_of_IOT17B	NONE
94	IOT15B	I/O	0		Comp_of_IOT15A	NONE
95	IOT15A	I/O	0		True_of_IOT15B	NONE
96	IOT12B	I/O	0		Comp_of_IOT12A	NONE
97	IOT12A	I/O	0		True_of_IOT12B	NONE
98	IOT8B	I/O	0		Comp_of_IOT8A	NONE
99	IOT8A	I/O	0		True_of_IOT8B	NONE
100	MODE0	I/O	0			NONE

**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

**GW1N-1 LQ144**

LQ144	管脚名	功能	BANK	配置功能	差分Pair
1	VCC	Power	N/A		
2	VSS	Ground	N/A		
3	IOT2A	I/O	0		True_of_IOT2B
4	IOL2A/JTAGSEL_N	I/O	3	JTAGSEL_N	True_of_IOL2B
5	VCCO3	Power	N/A		
6	IOL2B	I/O	3		Comp_of_IOL2A
7	IOL3A	I/O	3		True_of_IOL3B
8	IOL3B	I/O	3		Comp_of_IOL3A
9	IOL4A	I/O	3		True_of_IOL4B
10	IOL4B	I/O	3		Comp_of_IOL4A
11	IOL5A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL5B
12	IOL5B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL5A
13	IOL6A/TMS	I/O	3	TMS	True_of_IOL6B
14	IOL6B/TCK	I/O	3	TCK	Comp_of_IOL6A
15	IOL6C/SCLK	I/O	3	SCLK	True_of_IOL6D
16	IOL6D/TDI	I/O	3	TDI	Comp_of_IOL6C
17	VSS	Ground	N/A		
18	IOL6E/TDO	I/O	3	TDO	True_of_IOL6F
19	VCCO3	Power	N/A		
20	IOL6F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL6E
21	IOL6G/DONE	I/O	3	DONE	True_of_IOL6H
22	IOL6H/READY	I/O	3	READY	Comp_of_IOL6G
23	IOL6I	I/O	3		True_of_IOL6J
24	IOL6J	I/O	3		Comp_of_IOL6I
25	IOL7A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL7B
26	IOL7B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL7A
27	IOL8A	I/O	3		True_of_IOL8B
28	IOL8B	I/O	3		Comp_of_IOL8A
29	IOL9A	I/O	3		True_of_IOL9B
30	IOL9B	I/O	3		Comp_of_IOL9A
31	VCCO3	Power	N/A		
32	IOL10A	I/O	3		True_of_IOL10B
33	VSS	Ground	N/A		
34	IOL10B	I/O	3		Comp_of_IOL10A
35	VSS	Ground	N/A		
36	VCC	Power	N/A		
37	VCCO2	Power	N/A		
38	IOB2A	I/O	2		True_of_IOB2B
39	IOB2B	I/O	2		Comp_of_IOB2A
40	IOB3A	I/O	2		True_of_IOB3B

**GW1N-4 LQ144**

LQ144	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	VCCO3	Power	N/A			
6	IOL3B/LPLL_C_in	I/O	3	LPLL_C_in	Comp_of_IOL3A	NONE
7	IOL4A/LPLL_T_fb	I/O	3	LPLL_T_fb	True_of_IOL4B	TRUE
8	IOL4B/LPLL_C_fb	I/O	3	LPLL_C_fb	Comp_of_IOL4A	TRUE
9	IOL6A	I/O	3		True_of_IOL6B	TRUE
10	IOL6B	I/O	3		Comp_of_IOL6A	TRUE
11	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
12	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
13	IOL10A/TMS	I/O	3	TMS	True_of_IOL10B	NONE
14	IOL10B/TCK	I/O	3	TCK	Comp_of_IOL10A	NONE
15	IOL10C/SCLK	I/O	3	SCLK	True_of_IOL10D	NONE
16	IOL10D/TDI	I/O	3	TDI	Comp_of_IOL10C	NONE
17	VSS	Ground	N/A			
18	IOL10E/TDO	I/O	3	TDO	True_of_IOL10F	NONE
19	VCCO3	Power	N/A			
20	IOL10F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL10E	NONE
21	IOL10G/DONE	I/O	3	DONE	True_of_IOL10H	NONE
22	IOL10H/READY	I/O	3	READY	Comp_of_IOL10G	NONE
23	IOL10I	I/O	3		True_of_IOL10J	NONE
24	IOL10J	I/O	3		Comp_of_IOL10I	NONE
25	IOL11A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL11B	TRUE
26	IOL11B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL11A	TRUE
27	IOL13A	I/O	3		True_of_IOL13B	TRUE
28	IOL13B	I/O	3		Comp_of_IOL13A	TRUE
29	IOL15A	I/O	3		True_of_IOL15B	TRUE
30	IOL15B	I/O	3		Comp_of_IOL15A	TRUE
31	VCCX	Power	N/A			
32	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
33	VSS	Ground	N/A			
34	IOB5B	I/O	2		Comp_of_IOB5A	NONE
35	VSS	Ground	N/A			
36	VCC	Power	N/A			
37	VCCO2	Power	N/A			
38	IOB6A	I/O	2		True_of_IOB6B	TRUE
39	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
40	IOB7A	I/O	2		True_of_IOB7B	NONE

**GW1N-9 LQ144**

LQ144	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	VCCO3	Power	N/A			
6	IOL6B/LPLL_C_fb	I/O	3	LPLL_C_fb	Comp_of_IOL6A	TRUE
7	IOL7A	I/O	3		True_of_IOL7B	NONE
8	IOL7B	I/O	3		Comp_of_IOL7A	NONE
9	IOL8A	I/O	3		True_of_IOL8B	TRUE
10	IOL8B	I/O	3		Comp_of_IOL8A	TRUE
11	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
12	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
13	IOL11A/TMS	I/O	3	TMS	True_of_IOL11B	TRUE
14	IOL11B/TCK	I/O	3	TCK	Comp_of_IOL11A	TRUE
15	IOL12A/SCLK	I/O	3	SCLK	True_of_IOL12B	NONE
16	IOL12B/TDI	I/O	3	TDI	Comp_of_IOL12A	NONE
17	VSS	Ground	N/A			
18	IOL13A/TDO	I/O	3	TDO	True_of_IOL13B	TRUE
19	VCCO3	Power	N/A			
20	IOL13B/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL13A	TRUE
21	IOL14A/DONE	I/O	3	DONE	True_of_IOL14B	NONE
22	IOL14B/READY	I/O	3	READY	Comp_of_IOL14A	NONE
23	IOL15A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL15B	TRUE
24	IOL15B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL15A	TRUE
25	IOL22A	I/O	3		True_of_IOL22B	TRUE
26	IOL22B	I/O	3		Comp_of_IOL22A	TRUE
27	IOL26A	I/O	3		True_of_IOL26B	TRUE
28	IOL26B	I/O	3		Comp_of_IOL26A	TRUE
29	IOB4A	I/O	2		True_of_IOB4B	TRUE
30	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
31	VCCX	Power	N/A			
32	IOB6A	I/O	2		True_of_IOB6B	TRUE
33	VSS	Ground	N/A			
34	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
35	VSS	Ground	N/A			
36	VCC	Power	N/A			
37	VCCO2	Power	N/A			
38	IOB8A	I/O	2		True_of_IOB8B	TRUE
39	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
40	IOB9A	I/O	2		True_of_IOB9B	NONE

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LQ144	管脚名	功能	BANK	配置功能	差分Pair
41	I0B3B	I/O	2		Comp_of_I0B3A
42	I0B4A	I/O	2		True_of_I0B4B
43	I0B4B	I/O	2		Comp_of_I0B4A
44	I0B5A	I/O	2		True_of_I0B5B
45	I0B5B	I/O	2		Comp_of_I0B5A
46	I0B6A	I/O	2		True_of_I0B6B
47	I0B6B	I/O	2		Comp_of_I0B6A
48	I0B7A	I/O	2		True_of_I0B7B
49	I0B7B	I/O	2		Comp_of_I0B7A
50	I0B8A	I/O	2		True_of_I0B8B
51	I0B8B	I/O	2		Comp_of_I0B8A
52	I0B9A	I/O	2		True_of_I0B9B
53	VSS	Ground	N/A		
54	I0B9B	I/O	2		Comp_of_I0B9A
55	VCCO2	Power	N/A		
56	I0B10A/GCLKT_5	I/O	2	GCLKT_5	True_of_I0B10B
57	I0B10B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_I0B10A
58	I0B11A/GCLKT_4	I/O	2	GCLKT_4	True_of_I0B11B
59	I0B11B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_I0B11A
60	I0B12A	I/O	2		True_of_I0B12B
61	I0B12B	I/O	2		Comp_of_I0B12A
62	I0B13A	I/O	2		True_of_I0B13B
63	I0B13B	I/O	2		Comp_of_I0B13A
64	I0B14A	I/O	2		True_of_I0B14B
65	I0B14B	I/O	2		Comp_of_I0B14A
66	I0B15A	I/O	2		True_of_I0B15B
67	I0B15B	I/O	2		Comp_of_I0B15A
68	I0B16A	I/O	2		True_of_I0B16B
69	I0B16B	I/O	2		Comp_of_I0B16A
70	I0B17A	I/O	2		True_of_I0B17B
71	I0B17B	I/O	2		Comp_of_I0B17A
72	I0B19A	I/O	2		True_of_I0B19B
73	VCC	Power	N/A		
74	VSS	Ground	N/A		
75	I0B19B	I/O	2		Comp_of_I0B19A
76	I0R10B	I/O	1		Comp_of_I0R10A
77	VCCO1	Power	N/A		
78	I0R10A	I/O	1		True_of_I0R10B
79	I0R9B	I/O	1		Comp_of_I0R9A
80	I0R9A	I/O	1		True_of_I0R9B
81	I0R8B	I/O	1		Comp_of_I0R8A
82	I0R8A	I/O	1		True_of_I0R8B
83	I0R7B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_I0R7A
84	I0R7A/GCLKT_3	I/O	1	GCLKT_3	True_of_I0R7B
85	I0R6J/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_I0R6I
86	I0R6I/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_I0R6J
87	I0R6H/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_I0R6G

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LQ144	管脚名	功能	BANK	配置功能	差分Pair	LVDS
41	I0B7B	I/O	2		Comp_of_I0B7A	NONE
42	I0B8A	I/O	2		True_of_I0B8B	TRUE
43	I0B8B	I/O	2		Comp_of_I0B8A	TRUE
44	I0B10A	I/O	2		True_of_I0B10B	NONE
45	I0B10B	I/O	2		Comp_of_I0B10A	NONE
46	I0B11A	I/O	2		True_of_I0B11B	NONE
47	I0B11B	I/O	2		Comp_of_I0B11A	NONE
48	I0B12A	I/O	2		True_of_I0B12B	TRUE
49	I0B12B	I/O	2		Comp_of_I0B12A	TRUE
50	I0B14A	I/O	2		True_of_I0B14B	TRUE
51	I0B14B	I/O	2		Comp_of_I0B14A	TRUE
52	I0B16A	I/O	2		True_of_I0B16B	TRUE
53	VSS	Ground	N/A			
54	I0B16B	I/O	2		Comp_of_I0B16A	TRUE
55	VCCO2	Power	N/A			
56	I0B19A/GCLKT_5	I/O	2	GCLKT_5	True_of_I0B19B	NONE
57	I0B19B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_I0B19A	NONE
58	I0B20A/GCLKT_4	I/O	2	GCLKT_4	True_of_I0B20B	TRUE
59	I0B20B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_I0B20A	TRUE
60	I0B21A	I/O	2		True_of_I0B21B	NONE
61	I0B21B	I/O	2		Comp_of_I0B21A	NONE
62	I0B22A	I/O	2		True_of_I0B22B	TRUE
63	I0B22B	I/O	2		Comp_of_I0B22A	TRUE
64	I0B24A	I/O	2		True_of_I0B24B	TRUE
65	I0B24B	I/O	2		Comp_of_I0B24A	TRUE
66	I0B26A	I/O	2		True_of_I0B26B	TRUE
67	I0B26B	I/O	2		Comp_of_I0B26A	TRUE
68	I0B28A	I/O	2		True_of_I0B28B	NONE
69	I0B28B	I/O	2		Comp_of_I0B28A	NONE
70	I0B30A	I/O	2		True_of_I0B30B	TRUE
71	I0B30B	I/O	2		Comp_of_I0B30A	TRUE
72	I0B34B	I/O	2		Comp_of_I0B34A	TRUE
73	VCC	Power	N/A			
74	VSS	Ground	N/A			
75	I0B34A	I/O	2		True_of_I0B34B	TRUE
76	I0B36B	I/O	2		Comp_of_I0B36A	TRUE
77	VCCO1	Power	N/A			
78	I0B36A	I/O	2		True_of_I0B36B	TRUE
79	I0R17B	I/O	1		Comp_of_I0R17A	TRUE
80	I0R17A	I/O	1		True_of_I0R17B	TRUE
81	I0R15B	I/O	1		Comp_of_I0R15A	TRUE
82	I0R15A	I/O	1		True_of_I0R15B	TRUE
83	I0R11B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_I0R11A	TRUE
84	I0R11A/GCLKT_3	I/O	1	GCLKT_3	True_of_I0R11B	TRUE
85	I0R10J/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_I0R10I	NONE
86	I0R10I/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_I0R10J	NONE
87	I0R10H/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_I0R10G	NONE

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LQ144	管脚名	功能	BANK	配置功能	差分Pair	LVDS
41	I0B9B	I/O	2		Comp_of_I0B9A	NONE
42	I0B11A	I/O	2		True_of_I0B11B	TRUE
43	I0B11B	I/O	2		Comp_of_I0B11A	TRUE
44	I0B12A	I/O	2		True_of_I0B12B	NONE
45	I0B12B	I/O	2		Comp_of_I0B12A	NONE
46	I0B13A	I/O	2		True_of_I0B13B	TRUE
47	I0B13B	I/O	2		Comp_of_I0B13A	TRUE
48	I0B15A	I/O	2		True_of_I0B15B	TRUE
49	I0B15B	I/O	2		Comp_of_I0B15A	TRUE
50	I0B17A	I/O	2		True_of_I0B17B	TRUE
51	I0B17B	I/O	2		Comp_of_I0B17A	TRUE
52	I0B23A	I/O	2		True_of_I0B23B	TRUE
53	VSS	Ground	N/A			
54	I0B23B	I/O	2		Comp_of_I0B23A	TRUE
55	VCCO2	Power	N/A			
56	I0B28A/GCLKT_5	I/O	2	GCLKT_5	True_of_I0B28B	NONE
57	I0B28B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_I0B28A	NONE
58	I0B29A/GCLKT_4	I/O	2	GCLKT_4	True_of_I0B29B	TRUE
59	I0B29B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_I0B29A	TRUE
60	I0B30A	I/O	2		True_of_I0B30B	NONE
61	I0B30B	I/O	2		Comp_of_I0B30A	NONE
62	I0B31A	I/O	2		True_of_I0B31B	TRUE
63	I0B31B	I/O	2		Comp_of_I0B31A	TRUE
64	I0B33A	I/O	2		True_of_I0B33B	TRUE
65	I0B33B	I/O	2		Comp_of_I0B33A	TRUE
66	I0B35A	I/O	2		True_of_I0B35B	TRUE
67	I0B35B	I/O	2		Comp_of_I0B35A	TRUE
68	I0B37A	I/O	2		True_of_I0B37B	NONE
69	I0B37B	I/O	2		Comp_of_I0B37A	NONE
70	I0B39A	I/O	2		True_of_I0B39B	TRUE
71	I0B39B	I/O	2		Comp_of_I0B39A	TRUE
72	I0B41A	I/O	2		True_of_I0B41B	TRUE
73	VCC	Power	N/A			
74	VSS	Ground	N/A			
75	I0B42B	I/O	2		Comp_of_I0B42A	NONE
76	I0B43B	I/O	2		Comp_of_I0B43A	TRUE
77	VCCX	Power	N/A			
78	I0B43A	I/O	2		True_of_I0B43B	TRUE
79	I0R24B	I/O	1		Comp_of_I0R24A	TRUE
80	I0R24A	I/O	1		True_of_I0R24B	TRUE
81	I0R22B	I/O	1		Comp_of_I0R22A	TRUE
82	I0R22A	I/O	1		True_of_I0R22B	TRUE
83	I0R17B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_I0R17A	TRUE
84	I0R17A/GCLKT_3	I/O	1	GCLKT_3	True_of_I0R17B	TRUE
85	I0R15B/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_I0R15A	TRUE
86	I0R15A/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_I0R15B	TRUE
87	I0R14B/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_I0R14A	NONE

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LQ144	管脚名	功能	BANK	配置功能	差分Pair
88	IOR6G/SO/D1	I/O	1	SO/D1	True_of_IOR6H
89	VSS	Ground	N/A		
90	IOR6F/SI/D2	I/O	1	SI/D2	Comp_of_IOR6E
91	VCCO1	Power	N/A		
92	IOR6E/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR6F
93	IOR6D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR6C
94	IOR6C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR6D
95	IOR6B/MO/D6	I/O	1	MO/D6	Comp_of_IOR6A
96	IOR6A/MI/D7	I/O	1	MI/D7	True_of_IOR6B
97	IOR5B/GCLKC_2/RPLL_C_in	I/O	1	GCLKC_2/RPLL_C_in	Comp_of_IOR5A
98	IOR5A/GCLKT_2/RPLL_T_in	I/O	1	GCLKT_2/RPLL_T_in	True_of_IOR5B
99	IOR4B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR4A
100	IOR4A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR4B
101	IOR3B	I/O	1		Comp_of_IOR3A
102	IOR3A	I/O	1		True_of_IOR3B
103	VCCO1	Power	N/A		
104	IOR2B	I/O	1		Comp_of_IOR2A
105	VSS	Ground	N/A		
106	IOR2A	I/O	1		True_of_IOR2B
107	VSS	Ground	N/A		
108	VCC	Power	N/A		
109	VCCO0	Power	N/A		
110	NC	N/A	N/A		
111	NC	N/A	N/A		
112	NC	N/A	N/A		
113	IOT17B	I/O	0		Comp_of_IOT17A
114	IOT17A	I/O	0		True_of_IOT17B
115	IOT16B	I/O	0		Comp_of_IOT16A
116	IOT16A	I/O	0		True_of_IOT16B
117	IOT15B	I/O	0		Comp_of_IOT15A
118	IOT15A	I/O	0		True_of_IOT15B
119	IOT14B	I/O	0		Comp_of_IOT14A
120	IOT14A	I/O	0		True_of_IOT14B
121	IOT13B	I/O	0		Comp_of_IOT13A
122	IOT13A	I/O	0		True_of_IOT13B
123	IOT12B	I/O	0		Comp_of_IOT12A
124	IOT12A	I/O	0		True_of_IOT12B
125	VSS	Ground	N/A		
126	IOT11B	I/O	0		Comp_of_IOT11A
127	VCCO0	Power	N/A		
128	IOT11A	I/O	0		True_of_IOT11B
129	IOT10B	I/O	0		Comp_of_IOT10A
130	IOT10A	I/O	0		True_of_IOT10B
131	IOT9B	I/O	0		Comp_of_IOT9A
132	IOT9A	I/O	0		True_of_IOT9B
133	IOT8B	I/O	0		Comp_of_IOT8A

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LQ144	管脚名	功能	BANK	配置功能	差分Pair	LVDS
88	IOR10G/SO/D1	I/O	1	SO/D1	True_of_IOR10H	NONE
89	VSS	Ground	N/A			
90	IOR10F/SI/D2	I/O	1	SI/D2	Comp_of_IOR10E	NONE
91	VCCO1	Power	N/A			
92	IOR10E/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR10F	NONE
93	IOR10D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR10C	NONE
94	IOR10C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR10D	NONE
95	IOR10B/MO/D6	I/O	1	MO/D6	Comp_of_IOR10A	NONE
96	IOR10A/MI/D7	I/O	1	MI/D7	True_of_IOR10B	NONE
97	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
98	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
99	IOR6B	I/O	1		Comp_of_IOR6A	TRUE
100	IOR6A	I/O	1		True_of_IOR6B	TRUE
101	IOR4B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR4A	TRUE
102	IOR4A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR4B	TRUE
103	VCCX	Power	N/A			
104	IOR3B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR3A	NONE
105	VSS	Ground	N/A			
106	IOR3A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR3B	NONE
107	VSS	Ground	N/A			
108	VCC	Power	N/A			
109	VCCO0	Power	N/A			
110	IOT37B	I/O	0		Comp_of_IOT37A	NONE
111	IOT37A	I/O	0		True_of_IOT37B	NONE
112	IOT35B	I/O	0		Comp_of_IOT35A	NONE
113	IOT35A	I/O	0		True_of_IOT35B	NONE
114	IOT33B	I/O	0		Comp_of_IOT33A	NONE
115	IOT33A	I/O	0		True_of_IOT33B	NONE
116	IOT30B	I/O	0		Comp_of_IOT30A	NONE
117	IOT30A	I/O	0		True_of_IOT30B	NONE
118	IOT26B	I/O	0		Comp_of_IOT26A	NONE
119	IOT26A	I/O	0		True_of_IOT26B	NONE
120	IOT24B	I/O	0		Comp_of_IOT24A	NONE
121	IOT24A	I/O	0		True_of_IOT24B	NONE
122	IOT22B	I/O	0		Comp_of_IOT22A	NONE
123	IOT22A	I/O	0		True_of_IOT22B	NONE
124	IOT20A	I/O	0		True_of_IOT20B	NONE
125	VSS	Ground	N/A			
126	IOT18B	I/O	0		Comp_of_IOT18A	NONE
127	VCCO0	Power	N/A			
128	IOT17A	I/O	0		True_of_IOT17B	NONE
129	IOT16B	I/O	0		Comp_of_IOT16A	NONE
130	IOT16A	I/O	0		True_of_IOT16B	NONE
131	IOT14B	I/O	0		Comp_of_IOT14A	NONE
132	IOT14A	I/O	0		True_of_IOT14B	NONE
133	IOT12B	I/O	0		Comp_of_IOT12A	NONE

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LQ144	管脚名	功能	BANK	配置功能	差分Pair	LVDS
88	IOR14A/SO/D1	I/O	1	SO/D1	True_of_IOR14B	NONE
89	VSS	Ground	N/A			
90	IOR13B/SI/D2	I/O	1	SI/D2	Comp_of_IOR13A	TRUE
91	VCCO1	Power	N/A			
92	IOR13A/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR13B	TRUE
93	IOR12B/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR12A	NONE
94	IOR12A/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR12B	NONE
95	IOR11B/MO/D6	I/O	1	MO/D6	Comp_of_IOR11A	TRUE
96	IOR11A/MI/D7	I/O	1	MI/D7	True_of_IOR11B	TRUE
97	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
98	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
99	IOR8B	I/O	1		Comp_of_IOR8A	TRUE
100	IOR8A	I/O	1		True_of_IOR8B	TRUE
101	IOR6B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR6A	TRUE
102	IOR6A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR6B	TRUE
103	VCCO1	Power	N/A			
104	IOR5B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR5A	NONE
105	VSS	Ground	N/A			
106	IOR5A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR5B	NONE
107	VSS	Ground	N/A			
108	VCC	Power	N/A			
109	VCCO0	Power	N/A			
110	IOT42B	I/O	0		Comp_of_IOT42A	NONE
111	IOT42A	I/O	0		True_of_IOT42B	NONE
112	IOT41B	I/O	0		Comp_of_IOT41A	NONE
113	IOT41A	I/O	0		True_of_IOT41B	NONE
114	IOT39B	I/O	0		Comp_of_IOT39A	NONE
115	IOT39A	I/O	0		True_of_IOT39B	NONE
116	IOT37B	I/O	0		Comp_of_IOT37A	NONE
117	IOT37A	I/O	0		True_of_IOT37B	NONE
118	IOT34B	I/O	0		Comp_of_IOT34A	NONE
119	IOT34A	I/O	0		True_of_IOT34B	NONE
120	IOT32B	I/O	0		Comp_of_IOT32A	NONE
121	IOT32A	I/O	0		True_of_IOT32B	NONE
122	IOT29B	I/O	0		Comp_of_IOT29A	NONE
123	IOT29A	I/O	0		True_of_IOT29B	NONE
124	IOT27B	I/O	0		Comp_of_IOT27A	NONE
125	IOT27A	I/O	0		True_of_IOT27B	NONE
126	IOT24B	I/O	0		Comp_of_IOT24A	NONE
127	VCCO0	Power	N/A			
128	IOT24A	I/O	0		True_of_IOT24B	NONE
129	IOT22B	I/O	0		Comp_of_IOT22A	NONE
130	IOT22A	I/O	0		True_of_IOT22B	NONE
131	IOT20B	I/O	0		Comp_of_IOT20A	NONE
132	IOT20A	I/O	0		True_of_IOT20B	NONE
133	IOT17B	I/O	0		Comp_of_IOT17A	NONE

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LQ144	管脚名	功能	BANK	配置功能	差分Pair
134	IOT8A	I/O	0		True_of_IOT8B
135	IOT7B	I/O	0		Comp_of_IOT7A
136	IOT7A	I/O	0		True_of_IOT7B
137	IOT6B	I/O	0		Comp_of_IOT6A
138	IOT6A	I/O	0		True_of_IOT6B
139	IOT5B	I/O	0		Comp_of_IOT5A
140	IOT5A	I/O	0		True_of_IOT5B
141	IOT4B	I/O	0		Comp_of_IOT4A
142	IOT4A	I/O	0		True_of_IOT4B
143	MODE1	I/O	0		
144	MODE0	I/O	0		

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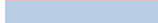



LQ144	管脚名	功能	BANK	配置功能	差分Pair	LVDS
134	IOT12A	I/O	0		True_of_IOT12B	NONE
135	IOT9B	I/O	0		Comp_of_IOT9A	NONE
136	IOT9A	I/O	0		True_of_IOT9B	NONE
137	IOT7B	I/O	0		Comp_of_IOT7A	NONE
138	IOT7A	I/O	0		True_of_IOT7B	NONE
139	IOT6B	I/O	0		Comp_of_IOT6A	NONE
140	IOT6A	I/O	0		True_of_IOT6B	NONE
141	IOT4B	I/O	0		Comp_of_IOT4A	NONE
142	IOT4A	I/O	0		True_of_IOT4B	NONE
143	MODE1	I/O	0			NONE
144	MODE0	I/O	0			NONE

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LQ144	管脚名	功能	BANK	配置功能	差分Pair	LVDS
134	IOT17A	I/O	0		True_of_IOT17B	NONE
135	IOT15B	I/O	0		Comp_of_IOT15A	NONE
136	IOT15A	I/O	0		True_of_IOT15B	NONE
137	IOT12B	I/O	0		Comp_of_IOT12A	NONE
138	IOT12A	I/O	0		True_of_IOT12B	NONE
139	IOT10B	I/O	0		Comp_of_IOT10A	NONE
140	IOT10A	I/O	0		True_of_IOT10B	NONE
141	IOT8B	I/O	0		Comp_of_IOT8A	NONE
142	IOT8A	I/O	0		True_of_IOT8B	NONE
143	MODE1	I/O	0			NONE
144	MODE0	I/O	0			NONE

**注!**

下表中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

GW1N-1 MG160

MG160	管脚名	功能	BANK	配置功能	差分Pair
A1	VCC	Power	N/A		
A10	IOT16B	I/O	0		Comp_of_IOT16A
A11	IOT16A	I/O	0		True_of_IOT16B
A12	NC	N/A	N/A		
A13	NC	N/A	N/A		
A14	VCC	Power	N/A		
A2	MODE2	I/O	0		
A3	MODE1	I/O	0		
A4	IOT5A	I/O	0		True_of_IOT5B
A5	IOT5B	I/O	0		Comp_of_IOT5A
A6	IOT8A	I/O	0		True_of_IOT8B
A7	IOT8B	I/O	0		Comp_of_IOT8A
A8	IOT12A	I/O	0		True_of_IOT12B
A9	IOT12B	I/O	0		Comp_of_IOT12A
B1	MODE0	I/O	0		
B10	IOT14B	I/O	0		Comp_of_IOT14A
B11	IOT17A	I/O	0		True_of_IOT17B
B12	IOT17B	I/O	0		Comp_of_IOT17A
B13	VSS	Ground	N/A		
B14	IOR2A	I/O	1		True_of_IOR2B
B2	VSS	Ground	N/A		
B3	IOT4A	I/O	0		True_of_IOT4B
B4	IOT4B	I/O	0		Comp_of_IOT4A
B5	IOT6A	I/O	0		True_of_IOT6B
B6	IOT6B	I/O	0		Comp_of_IOT6A
B7	IOT11A	I/O	0		True_of_IOT11B
B8	IOT11B	I/O	0		Comp_of_IOT11A
B9	IOT14A	I/O	0		True_of_IOT14B
C1	IOT2A	I/O	0		True_of_IOT2B
C10	NC	N/A	N/A		
C11	VCC00	Power	N/A		
C12	VSS	Ground	N/A		
C13	NC	N/A	N/A		
C14	IOR2B	I/O	1		Comp_of_IOR2A
C2	NC	N/A	N/A		
C3	VSS	Ground	N/A		
C4	VCC00	Power	N/A		
C5	IOT7A	I/O	0		True_of_IOT7B
C6	IOT9A	I/O	0		True_of_IOT9B
C7	IOT10A	I/O	0		True_of_IOT10B
C8	IOT13A	I/O	0		True_of_IOT13B
C9	IOT15B	I/O	0		Comp_of_IOT15A
D1	IOL4A	I/O	3		True_of_IOL4B
D10	NC	N/A	N/A		
D11	VSS	Ground	N/A		
D12	VCC01	Power	N/A		
D13	IOR4A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR4B

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MG160	管脚名	BANK	配置功能	差分Pair	LVDS
A1	VCC	N/A			
A10	IOT30B	0		Comp_of_IOT30A	NONE
A11	IOT30A	0		True_of_IOT30B	NONE
A12	IOT37A	0		True_of_IOT37B	NONE
A13	IOT37B	0		Comp_of_IOT37A	NONE
A14	VCC	N/A			
A2	MODE2	0			NONE
A3	MODE1	0			NONE
A4	IOT6A	0		True_of_IOT6B	NONE
A5	IOT6B	0		Comp_of_IOT6A	NONE
A6	IOT12A	0		True_of_IOT12B	NONE
A7	IOT12B	0		Comp_of_IOT12A	NONE
A8	IOT18A	0		True_of_IOT18B	NONE
A9	IOT18B	0		Comp_of_IOT18A	NONE
B1	MODE0	0			NONE
B10	IOT24B	0		Comp_of_IOT24A	NONE
B11	IOT33A	0		True_of_IOT33B	NONE
B12	IOT33B	0		Comp_of_IOT33A	NONE
B13	VSS	N/A			
B14	IOR3A/RPLL_T_in	1	RPLL_T_in	True_of_IOR3B	NONE
B2	VSS	N/A			
B3	IOT4A	0		True_of_IOT4B	NONE
B4	IOT4B	0		Comp_of_IOT4A	NONE
B5	IOT7A	0		True_of_IOT7B	NONE
B6	IOT7B	0		Comp_of_IOT7A	NONE
B7	IOT17A	0		True_of_IOT17B	NONE
B8	IOT17B	0		Comp_of_IOT17A	NONE
B9	IOT24A	0		True_of_IOT24B	NONE
C1	IOL2A	3		True_of_IOL2B	TRUE
C10	IOT35B	0		Comp_of_IOT35A	NONE
C11	VCC00	N/A			
C12	VSS	N/A			
C13	VCCX	N/A			
C14	IOR3B/RPLL_C_in	1	RPLL_C_in	Comp_of_IOR3A	NONE
C2	VCCX	N/A			
C3	VSS	N/A			
C4	VCC00	N/A			
C5	IOT9A	0		True_of_IOT9B	NONE
C6	IOT14A	0		True_of_IOT14B	NONE
C7	IOT16A	0		True_of_IOT16B	NONE
C8	IOT22A	0		True_of_IOT22B	NONE
C9	IOT26B	0		Comp_of_IOT26A	NONE
D1	IOL6A	3		True_of_IOL6B	TRUE
D10	IOT35A	0		True_of_IOT35B	NONE
D11	VSS	N/A			
D12	VCC01	N/A			
D13	IOR6A	1		True_of_IOR6B	TRUE

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MG160	管脚名	功能	BANK	配置功能	差分Pair	LVDS
A1	VCC	Power	N/A			
A10	IOT36B	I/O	0		Comp_of_IOT36A	NONE
A11	IOT36A	I/O	0		True_of_IOT36B	NONE
A12	IOT42A	I/O	0		True_of_IOT42B	NONE
A13	IOT42B	I/O	0		Comp_of_IOT42A	NONE
A14	VCC	Power	N/A			
A2	MODE2	I/O	0			NONE
A3	MODE1	I/O	0			NONE
A4	IOT12A	I/O	0		True_of_IOT12B	NONE
A5	IOT12B	I/O	0		Comp_of_IOT12A	NONE
A6	IOT22A	I/O	0		True_of_IOT22B	NONE
A7	IOT22B	I/O	0		Comp_of_IOT22A	NONE
A8	IOT30A	I/O	0		True_of_IOT30B	NONE
A9	IOT30B	I/O	0		Comp_of_IOT30A	NONE
B1	MODE0	I/O	0			NONE
B10	IOT33B	I/O	0		Comp_of_IOT33A	NONE
B11	IOT38A	I/O	0		True_of_IOT38B	NONE
B12	IOT38B	I/O	0		Comp_of_IOT38A	NONE
B13	VSS	Ground	N/A			
B14	IOR5A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR5B	NONE
B2	VSS	Ground	N/A			
B3	IOT8A	I/O	0		True_of_IOT8B	NONE
B4	IOT8B	I/O	0		Comp_of_IOT8A	NONE
B5	IOT14A	I/O	0		True_of_IOT14B	NONE
B6	IOT14B	I/O	0		Comp_of_IOT14A	NONE
B7	IOT28A	I/O	0		True_of_IOT28B	NONE
B8	IOT28B	I/O	0		Comp_of_IOT28A	NONE
B9	IOT33A	I/O	0		True_of_IOT33B	NONE
C1	IOL2A	I/O	3		True_of_IOL2B	TRUE
C10	IOT44B	I/O	0		Comp_of_IOT44A	NONE
C11	VCC00	Power	N/A			
C12	VSS	Ground	N/A			
C13	VCCX	Power	N/A			
C14	IOR5B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR5A	NONE
C2	VCCX	Power	N/A			
C3	VSS	Ground	N/A			
C4	VCC00	Power	N/A			
C5	IOT18A	I/O	0		True_of_IOT18B	NONE
C6	IOT24A	I/O	0		True_of_IOT24B	NONE
C7	IOT26A	I/O	0		True_of_IOT26B	NONE
C8	IOT32A	I/O	0		True_of_IOT32B	NONE
C9	IOT34B	I/O	0		Comp_of_IOT34A	NONE
D1	IOL4A	I/O	3		True_of_IOL4B	TRUE
D10	IOT44A	I/O	0		True_of_IOT44B	NONE
D11	VSS	Ground	N/A			
D12	VCC01	Power	N/A			
D13	IOR8A	I/O	1		True_of_IOR8B	TRUE



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MG160	管脚名	功能	BANK	配置功能	差分Pair
D14	IOR3A	I/O	1		True_of_IOR3B
D2	IOL2A/JTAGSEL_N	I/O	3	JTAGSEL_N	True_of_IOL2B
D3	VCCO3	Power	N/A		
D4	VSS	Ground	N/A		
D5	IOT7B	I/O	0		Comp_of_IOT7A
D6	IOT9B	I/O	0		Comp_of_IOT9A
D7	IOT10B	I/O	0		Comp_of_IOT10A
D8	IOT13B	I/O	0		Comp_of_IOT13A
D9	IOT15A	I/O	0		True_of_IOT15B
E1	IOL4B	I/O	3		Comp_of_IOL4A
E11	NC	N/A	N/A		
E12	IOR6C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR6D
E13	IOR4B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR4A
E14	IOR3B	I/O	1		Comp_of_IOR3A
E2	IOL2B	I/O	3		Comp_of_IOL2A
E3	IOL3A	I/O	3		True_of_IOL3B
E4	NC	N/A	N/A		
F1	IOL6A/TMS	I/O	3	TMS	True_of_IOL6B
F11	NC	N/A	N/A		
F12	IOR5B/GCLKC_2/RPLL_C_in	I/O	1	GCLKC_2/RPLL_C_in	Comp_of_IOR5A
F13	IOR5A/GCLKT_2/RPLL_T_in	I/O	1	GCLKT_2/RPLL_T_in	True_of_IOR5B
F14	IOR6A/MI/D7	I/O	1	MI/D7	True_of_IOR6B
F2	IOL5A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL5B
F3	IOL6C/SCLK	I/O	3	SCLK	True_of_IOL6D
F4	IOL3B	I/O	3		Comp_of_IOL3A
G1	IOL6B/TCK	I/O	3	TCK	Comp_of_IOL6A
G11	IOR6E/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR6F
G12	IOR6D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR6C
G13	IOR6F/SI/D2	I/O	1	SI/D2	Comp_of_IOR6E
G14	IOR6B/MO/D6	I/O	1	MO/D6	Comp_of_IOR6A
G2	IOL5B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL5A
G3	IOL6E/TDO	I/O	3	TDO	True_of_IOL6F
G4	IOL6D/TDI	I/O	3	TDI	Comp_of_IOL6C
H1	IOL6I	I/O	3		True_of_IOL6J
H11	NC	N/A	N/A		
H12	IOR6J/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR6I
H13	IOR6I/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR6J
H14	IOR6G/SO/D1	I/O	1	SO/D1	True_of_IOR6H
H2	IOL6H/READY	I/O	3	READY	Comp_of_IOL6G
H3	IOL6F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL6E
H4	NC	N/A	N/A		
J1	IOL8A	I/O	3		True_of_IOL8B
J11	IOR6H/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR6G
J12	IOR8A	I/O	1		True_of_IOR8B
J13	IOR8B	I/O	1		Comp_of_IOR8A
J14	IOR7A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR7B
J2	IOL7A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL7B
J3	IOL7B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL7A
J4	IOL6G/DONE	I/O	3	DONE	True_of_IOL6H

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MG160	管脚名	BANK	配置功能	差分Pair	LVDS
D14	IOR4A/RPLL_T_fb	1	RPLL_T_fb	True_of_IOR4B	TRUE
D2	IOL2B	3		Comp_of_IOL2A	TRUE
D3	VCCO3	N/A			
D4	VSS	N/A			
D5	IOT9B	0		Comp_of_IOT9A	NONE
D6	IOT14B	0		Comp_of_IOT14A	NONE
D7	IOT16B	0		Comp_of_IOT16A	NONE
D8	IOT22B	0		Comp_of_IOT22A	NONE
D9	IOT26A	0		True_of_IOT26B	NONE
E1	IOL6B	3		Comp_of_IOL6A	TRUE
E11	IOR13A	1		True_of_IOR13B	TRUE
E12	IOR10C/MCS_N/D5	1	MCS_N/D5	True_of_IOR10D	NONE
E13	IOR6B	1		Comp_of_IOR6A	TRUE
E14	IOR4B/RPLL_C_fb	1	RPLL_C_fb	Comp_of_IOR4A	TRUE
E2	IOL3A/JTAGSEL_N/LPLL_T_in	3	JTAGSEL_N/LPLL_T_in	True_of_IOL3B	NONE
E3	IOL3B/LPLL_C_in	3	LPLL_C_in	Comp_of_IOL3A	NONE
E4	IOL4A/LPLL_T_fb	3	LPLL_T_fb	True_of_IOL4B	TRUE
F1	IOL10A/TMS	3	TMS	True_of_IOL10B	NONE
F11	IOR13B	1		Comp_of_IOR13A	TRUE
F12	IOR9B/GCLKC_2	1	GCLKC_2	Comp_of_IOR9A	NONE
F13	IOR9A/GCLKT_2	1	GCLKT_2	True_of_IOR9B	NONE
F14	IOR10A/MI/D7	1	MI/D7	True_of_IOR10B	NONE
F2	IOL9A/GCLKT_7	3	GCLKT_7	True_of_IOL9B	NONE
F3	IOL10C/SCLK	3	SCLK	True_of_IOL10D	NONE
F4	IOL4B/LPLL_C_fb	3	LPLL_C_fb	Comp_of_IOL4A	TRUE
G1	IOL10B/TCK	3	TCK	Comp_of_IOL10A	NONE
G11	IOR10E/FASTRD_N/D3	1	FASTRD_N/D3	True_of_IOR10F	NONE
G12	IOR10D/MCLK/D4	1	MCLK/D4	Comp_of_IOR10C	NONE
G13	IOR10F/SI/D2	1	SI/D2	Comp_of_IOR10E	NONE
G14	IOR10B/MO/D6	1	MO/D6	Comp_of_IOR10A	NONE
G2	IOL9B/GCLKC_7	3	GCLKC_7	Comp_of_IOL9A	NONE
G3	IOL10E/TDO	3	TDO	True_of_IOL10F	NONE
G4	IOL10D/TDI	3	TDI	Comp_of_IOL10C	NONE
H1	IOL10I	3		True_of_IOL10J	NONE
H11	IOR15B	1		Comp_of_IOR15A	TRUE
H12	IOR10J/DOUT/WE_N	1	DOUT/WE_N	Comp_of_IOR10I	NONE
H13	IOR10I/DIN/CLKHOLD_N	1	DIN/CLKHOLD_N	True_of_IOR10J	NONE
H14	IOR10G/SO/D1	1	SO/D1	True_of_IOR10H	NONE
H2	IOL10H/READY	3	READY	Comp_of_IOL10G	NONE
H3	IOL10F/RECONFIG_N	3	RECONFIG_N	Comp_of_IOL10E	NONE
H4	IOL8A	3		True_of_IOL8B	TRUE
J1	IOL13A	3		True_of_IOL13B	TRUE
J11	IOR10H/SSPI_CS_N/D0	1	SSPI_CS_N/D0	Comp_of_IOR10G	NONE
J12	IOR15A	1		True_of_IOR15B	TRUE
J13	IOR36A	2		True_of_IOR36B	TRUE
J14	IOR11A/GCLKT_3	1	GCLKT_3	True_of_IOR11B	TRUE
J2	IOL11A/GCLKT_6	3	GCLKT_6	True_of_IOL11B	TRUE
J3	IOL11B/GCLKC_6	3	GCLKC_6	Comp_of_IOL11A	TRUE
J4	IOL10G/DONE	3	DONE	True_of_IOL10H	NONE

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MG160	管脚名	功能	BANK	配置功能	差分Pair	LVDS
D14	IOR6A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR6B	TRUE
D2	IOL2B	I/O	3		Comp_of_IOL2A	TRUE
D3	VCCO3	Power	N/A			
D4	VSS	Ground	N/A			
D5	IOT18B	I/O	0		Comp_of_IOT18A	NONE
D6	IOT24B	I/O	0		Comp_of_IOT24A	NONE
D7	IOT26B	I/O	0		Comp_of_IOT26A	NONE
D8	IOT32B	I/O	0		Comp_of_IOT32A	NONE
D9	IOT34A	I/O	0		True_of_IOT34B	NONE
E1	IOL4B	I/O	3		Comp_of_IOL4A	TRUE
E11	IOR22A	I/O	1		True_of_IOR22B	TRUE
E12	IOR12A/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR12B	NONE
E13	IOR8B	I/O	1		Comp_of_IOR8A	TRUE
E14	IOR6B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR6A	TRUE
E2	IOL5A/JTAGSEL_N/LPLL_T_in	I/O	3	JTAGSEL_N/LPLL_T_in	True_of_IOL5B	NONE
E3	IOL5B/LPLL_C_in	I/O	3	LPLL_C_in	Comp_of_IOL5A	NONE
E4	IOL6A/LPLL_T_fb	I/O	3	LPLL_T_fb	True_of_IOL6B	TRUE
F1	IOL11A/TMS	I/O	3	TMS	True_of_IOL11B	TRUE
F11	IOR22B	I/O	1		Comp_of_IOR22A	TRUE
F12	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
F13	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
F14	IOR11A/MI/D7	I/O	1	MI/D7	True_of_IOR11B	TRUE
F2	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
F3	IOL12A/SCLK	I/O	3	SCLK	True_of_IOL12B	NONE
F4	IOL6B/LPLL_C_fb	I/O	3	LPLL_C_fb	Comp_of_IOL6A	TRUE
G1	IOL11B/TCK	I/O	3	TCK	Comp_of_IOL11A	TRUE
G11	IOR13A/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR13B	TRUE
G12	IOR12B/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR12A	NONE
G13	IOR13B/SI/D2	I/O	1	SI/D2	Comp_of_IOR13A	TRUE
G14	IOR11B/MO/D6	I/O	1	MO/D6	Comp_of_IOR11A	TRUE
G2	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
G3	IOL13A/TDO	I/O	3	TDO	True_of_IOL13B	TRUE
G4	IOL12B/TDI	I/O	3	TDI	Comp_of_IOL12A	NONE
H1	IOL17A	I/O	3		True_of_IOL17B	TRUE
H11	IOR24B	I/O	1		Comp_of_IOR24A	TRUE
H12	IOR15B/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR15A	TRUE
H13	IOR15A/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR15B	TRUE
H14	IOR14A/SO/D1	I/O	1	SO/D1	True_of_IOR14B	NONE
H2	IOL14B/READY	I/O	3	READY	Comp_of_IOL14A	NONE
H3	IOL13B/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL13A	TRUE
H4	IOL8A	I/O	3		True_of_IOL8B	TRUE
J1	IOL20A	I/O	3		True_of_IOL20B	TRUE
J11	IOR14B/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR14A	NONE
J12	IOR24A	I/O	1		True_of_IOR24B	TRUE
J13	IOR45A	I/O	2		True_of_IOR45B	TRUE
J14	IOR17A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR17B	TRUE
J2	IOL15A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL15B	TRUE
J3	IOL15B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL15A	TRUE
J4	IOL14A/DONE	I/O	3	DONE	True_of_IOL14B	NONE



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MG160	管脚名	功能	BANK	配置功能	差分Pair
K1	IOL8B	I/O	3		Comp_of_IOL8A
K11	NC	N/A	N/A		
K12	NC	N/A	N/A		
K13	IOR9B	I/O	1		Comp_of_IOR9A
K14	IOR7B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR7A
K2	IOL9A	I/O	3		True_of_IOL9B
K3	IOL6J	I/O	3		Comp_of_IOL6I
K4	NC	N/A	N/A		
L1	IOL10A	I/O	3		True_of_IOL10B
L10	IOB15A	I/O	2		True_of_IOB15B
L11	VSS	Ground	N/A		
L12	VCCO1	Power	N/A		
L13	IOR9A	I/O	1		True_of_IOR9B
L14	IOR10A	I/O	1		True_of_IOR10B
L2	IOL9B	I/O	3		Comp_of_IOL9A
L3	VCCO3	Power	N/A		
L4	VSS	Ground	N/A		
L5	IOB4A	I/O	2		True_of_IOB4B
L6	IOB7A	I/O	2		True_of_IOB7B
L7	IOB8A	I/O	2		True_of_IOB8B
L8	IOB11A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB11B
L9	IOB12A	I/O	2		True_of_IOB12B
M1	IOL10B	I/O	3		Comp_of_IOL10A
M10	IOB15B	I/O	2		Comp_of_IOB15A
M11	VCCO2	Power	N/A		
M12	VSS	Ground	N/A		
M13	NC	N/A	N/A		
M14	IOR10B	I/O	1		Comp_of_IOR10A
M2	NC	N/A	N/A		
M3	VSS	Ground	N/A		
M4	VCCO2	Power	N/A		
M5	IOB4B	I/O	2		Comp_of_IOB4A
M6	IOB7B	I/O	2		Comp_of_IOB7A
M7	IOB8B	I/O	2		Comp_of_IOB8A
M8	IOB11B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB11A
M9	IOB12B	I/O	2		Comp_of_IOB12A
N1	IOB2A	I/O	2		True_of_IOB2B
N10	IOB16A	I/O	2		True_of_IOB16B
N11	IOB17B	I/O	2		Comp_of_IOB17A
N12	IOB18B	I/O	2		Comp_of_IOB18A
N13	VSS	Ground	N/A		
N14	IOB19B	I/O	2		Comp_of_IOB19A
N2	VSS	Ground	N/A		
N3	IOB3A	I/O	2		True_of_IOB3B
N4	IOB5A	I/O	2		True_of_IOB5B
N5	IOB6A	I/O	2		True_of_IOB6B
N6	IOB9A	I/O	2		True_of_IOB9B
N7	IOB10A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB10B
N8	IOB13A	I/O	2		True_of_IOB13B
N9	IOB14A	I/O	2		True_of_IOB14B
P1	VCC	Power	N/A		
P10	IOB16B	I/O	2		Comp_of_IOB16A
P11	IOB17A	I/O	2		True_of_IOB17B
P12	IOB18A	I/O	2		True_of_IOB18B
P13	IOB19A	I/O	2		True_of_IOB19B
P14	VCC	Power	N/A		
P2	IOB2B	I/O	2		Comp_of_IOB2A

GW1N-4 MG160

MG160	管脚名	BANK	配置功能	差分Pair	LVDS
K1	IOL13B	3		Comp_of_IOL13A	TRUE
K11	IOR17B	1		Comp_of_IOR17A	TRUE
K12	IOR17A	1		True_of_IOR17B	TRUE
K13	IOB35A	2		True_of_IOB35B	NONE
K14	IOR11B/GCLKC_3	1	GCLKC_3	Comp_of_IOR11A	TRUE
K2	IOL15A	3		True_of_IOL15B	TRUE
K3	IOL10J	3		Comp_of_IOL10I	NONE
K4	IOL8B	3		Comp_of_IOL8A	TRUE
L1	IOB4B	2		Comp_of_IOB4A	TRUE
L10	IOB26A	2		True_of_IOB26B	TRUE
L11	VSS	N/A			
L12	VCCO1	N/A			
L13	IOB36B	2		Comp_of_IOB36A	TRUE
L14	IOB35B	2		Comp_of_IOB35A	NONE
L2	IOL15B	3		Comp_of_IOL15A	TRUE
L3	VCCO3	N/A			
L4	VSS	N/A			
L5	IOB8A	2		True_of_IOB8B	TRUE
L6	IOB12A	2		True_of_IOB12B	TRUE
L7	IOB14A	2		True_of_IOB14B	TRUE
L8	IOB20A/GCLKT_4	2	GCLKT_4	True_of_IOB20B	TRUE
L9	IOB21A	2		True_of_IOB21B	NONE
M1	IOB5B	2		Comp_of_IOB5A	NONE
M10	IOB26B	2		Comp_of_IOB26A	TRUE
M11	VCCO2	N/A			
M12	VSS	N/A			
M13	VCCX	N/A			
M14	IOB34A	2		True_of_IOB34B	TRUE
M2	VCCX	N/A			
M3	VSS	N/A			
M4	VCCO2	N/A			
M5	IOB8B	2		Comp_of_IOB8A	TRUE
M6	IOB12B	2		Comp_of_IOB12A	TRUE
M7	IOB14B	2		Comp_of_IOB14A	TRUE
M8	IOB20B/GCLKC_4	2	GCLKC_4	Comp_of_IOB20A	TRUE
M9	IOB21B	2		Comp_of_IOB21A	NONE
N1	IOB6A	2		True_of_IOB6B	TRUE
N10	IOB28A	2		True_of_IOB28B	NONE
N11	IOB30B	2		Comp_of_IOB30A	TRUE
N12	IOB32B	2		Comp_of_IOB32A	TRUE
N13	VSS	N/A			
N14	IOB34B	2		Comp_of_IOB34A	TRUE
N2	VSS	N/A			
N3	IOB7A	2		True_of_IOB7B	NONE
N4	IOB10A	2		True_of_IOB10B	NONE
N5	IOB11A	2		True_of_IOB11B	NONE
N6	IOB16A	2		True_of_IOB16B	TRUE
N7	IOB19A/GCLKT_5	2	GCLKT_5	True_of_IOB19B	NONE
N8	IOB22A	2		True_of_IOB22B	TRUE
N9	IOB24A	2		True_of_IOB24B	TRUE
P1	VCC	N/A			
P10	IOB28B	2		Comp_of_IOB28A	NONE
P11	IOB30A	2		True_of_IOB30B	TRUE
P12	IOB32A	2		True_of_IOB32B	TRUE
P13	IOB33A	2		True_of_IOB33B	NONE
P14	VCC	N/A			
P2	IOB6B	2		Comp_of_IOB6A	TRUE

GW1N-9 MG160

MG160	管脚名	功能	BANK	配置功能	差分Pair	LVDS
K1	IOL20B	I/O	3		Comp_of_IOL20A	TRUE
K11	IOR26B	I/O	1		Comp_of_IOR26A	TRUE
K12	IOR26A	I/O	1		True_of_IOR26B	TRUE
K13	IOB44A	I/O	2		True_of_IOB44B	NONE
K14	IOR17B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR17A	TRUE
K2	IOL22A	I/O	3		True_of_IOL22B	TRUE
K3	IOL17B	I/O	3		Comp_of_IOL17A	TRUE
K4	IOL8B	I/O	3		Comp_of_IOL8A	TRUE
L1	IOB4A	I/O	2		True_of_IOB4B	TRUE
L10	IOB33A	I/O	2		True_of_IOB33B	TRUE
L11	VSS	Ground	N/A			
L12	VCCO1	Power	N/A			
L13	IOB45B	I/O	2		Comp_of_IOB45A	TRUE
L14	IOB44B	I/O	2		Comp_of_IOB44A	NONE
L2	IOL22B	I/O	3		Comp_of_IOL22A	TRUE
L3	VCCO3	Power	N/A			
L4	VSS	Ground	N/A			
L5	IOB11A	I/O	2		True_of_IOB11B	TRUE
L6	IOB17A	I/O	2		True_of_IOB17B	TRUE
L7	IOB21A	I/O	2		True_of_IOB21B	TRUE
L8	IOB29A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB29B	TRUE
L9	IOB25A	I/O	2		True_of_IOB25B	TRUE
M1	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
M10	IOB33B	I/O	2		Comp_of_IOB33A	TRUE
M11	VCCO2	Power	N/A			
M12	VSS	Ground	N/A			
M13	VCCX	Power	N/A			
M14	IOB43A	I/O	2		True_of_IOB43B	TRUE
M2	VCCX	Power	N/A			
M3	VSS	Ground	N/A			
M4	VCCO2	Power	N/A			
M5	IOB11B	I/O	2		Comp_of_IOB11A	TRUE
M6	IOB17B	I/O	2		Comp_of_IOB17A	TRUE
M7	IOB21B	I/O	2		Comp_of_IOB21A	TRUE
M8	IOB29B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB29A	TRUE
M9	IOB25B	I/O	2		Comp_of_IOB25A	TRUE
N1	IOB6A	I/O	2		True_of_IOB6B	TRUE
N10	IOB35A	I/O	2		True_of_IOB35B	TRUE
N11	IOB39B	I/O	2		Comp_of_IOB39A	TRUE
N12	IOB41B	I/O	2		Comp_of_IOB41A	TRUE
N13	VSS	Ground	N/A			
N14	IOB43B	I/O	2		Comp_of_IOB43A	TRUE
N2	VSS	Ground	N/A			
N3	IOB8A	I/O	2		True_of_IOB8B	TRUE
N4	IOB13A	I/O	2		True_of_IOB13B	TRUE
N5	IOB15A	I/O	2		True_of_IOB15B	TRUE
N6	IOB23A	I/O	2		True_of_IOB23B	TRUE
N7	IOB28A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB28B	NONE
N8	IOB27A	I/O	2		True_of_IOB27B	TRUE
N9	IOB31A	I/O	2		True_of_IOB31B	TRUE
P1	VCC	Power	N/A			
P10	IOB35B	I/O	2		Comp_of_IOB35A	TRUE
P11	IOB39A	I/O	2		True_of_IOB39B	TRUE
P12	IOB41A	I/O	2		True_of_IOB41B	TRUE
P13	IOB40B	I/O	2		Comp_of_IOB40A	NONE
P14	VCC	Power	N/A			
P2	IOB6B	I/O	2		Comp_of_IOB6A	TRUE

GW1N-1 MG160

MG160	管脚名	功能	BANK	配置功能	差分Pair
P3	I0B3B	I/O	2		Comp_of_I0B3A
P4	I0B5B	I/O	2		Comp_of_I0B5A
P5	I0B6B	I/O	2		Comp_of_I0B6A
P6	I0B9B	I/O	2		Comp_of_I0B9A
P7	I0B10B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_I0B10A
P8	I0B13B	I/O	2		Comp_of_I0B13A
P9	I0B14B	I/O	2		Comp_of_I0B14A

GW1N-4 MG160






MG160	管脚名	BANK	配置功能	差分Pair	LVDS
P3	I0B7B	2		Comp_of_I0B7A	NONE
P4	I0B10B	2		Comp_of_I0B10A	NONE
P5	I0B11B	2		Comp_of_I0B11A	NONE
P6	I0B16B	2		Comp_of_I0B16A	TRUE
P7	I0B19B/GCLKC_5	2	GCLKC_5	Comp_of_I0B19A	NONE
P8	I0B22B	2		Comp_of_I0B22A	TRUE
P9	I0B24B	2		Comp_of_I0B24A	TRUE

GW1N-9 MG160

MG160	管脚名	功能	BANK	配置功能	差分Pair	LVDS
P3	I0B8B	I/O	2		Comp_of_I0B8A	TRUE
P4	I0B13B	I/O	2		Comp_of_I0B13A	TRUE
P5	I0B15B	I/O	2		Comp_of_I0B15A	TRUE
P6	I0B23B	I/O	2		Comp_of_I0B23A	TRUE
P7	I0B28B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_I0B28A	NONE
P8	I0B27B	I/O	2		Comp_of_I0B27A	TRUE
P9	I0B31B	I/O	2		Comp_of_I0B31A	TRUE

**注!**

下表中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 |

**GW1N-4 PG256**

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
A1	VCC	Power	N/A			
A10	IOL12B	I/O	3		Comp_of_IOL12A	NONE
A11	IOL7A	I/O	3		True_of_IOL7B	NONE
A12	IOL6B	I/O	3		Comp_of_IOL6A	TRUE
A13	IOL10H/READY	I/O	3	READY	Comp_of_IOL10G	NONE
A14	IOL4B/LPLL_C_fb	I/O	3	LPLL_C_fb	Comp_of_IOL4A	TRUE
A15	IOL2B	I/O	3		Comp_of_IOL2A	TRUE
A16	VCC	Power	N/A			
A2	IOB9B	I/O	2		Comp_of_IOB9A	NONE
A3	IOB4A	I/O	2		True_of_IOB4B	TRUE
A4	IOB2A	I/O	2		True_of_IOB2B	TRUE
A5	IOB5A	I/O	2		True_of_IOB5B	NONE
A6	IOL10D/TDI	I/O	3	TDI	Comp_of_IOL10C	NONE
A7	IOL10B/TCK	I/O	3	TCK	Comp_of_IOL10A	NONE
A8	IOL11B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL11A	TRUE
A9	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
B1	IOB6A	I/O	2		True_of_IOB6B	TRUE
B10	IOL10F/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL10E	NONE
B11	IOL6A	I/O	3		True_of_IOL6B	TRUE
B12	IOL3B/LPLL_C_in	I/O	3	LPLL_C_in	Comp_of_IOL3A	NONE
B13	IOL4A/LPLL_T_fb	I/O	3	LPLL_T_fb	True_of_IOL4B	TRUE
B14	IOL2A	I/O	3		True_of_IOL2B	TRUE
B15	VSS	Ground	N/A			
B16	MODE1	I/O	0			NONE
B2	VSS	Ground	N/A			
B3	IOB9A	I/O	2		True_of_IOB9B	NONE
B4	IOB4B	I/O	2		Comp_of_IOB4A	TRUE
B5	IOL17B	I/O	3		Comp_of_IOL17A	TRUE
B6	IOB5B	I/O	2		Comp_of_IOB5A	NONE
B7	IOL15A	I/O	3		True_of_IOL15B	TRUE
B8	IOL10A/TMS	I/O	3	TMS	True_of_IOL10B	NONE

**GW1N-9 PG256**

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
A1	VCC	Power	N/A			
A10	IOL18B	I/O	3		Comp_of_IOL18A	NONE
A11	IOL7A	I/O	3		True_of_IOL7B	NONE
A12	IOL4B	I/O	3		Comp_of_IOL4A	TRUE
A13	IOL14B/READY	I/O	3	READY	Comp_of_IOL14A	NONE
A14	IOL6B/LPLL_C_fb	I/O	3	LPLL_C_fb	Comp_of_IOL6A	TRUE
A15	IOL2B	I/O	3		Comp_of_IOL2A	TRUE
A16	VCC	Power	N/A			
A2	IOB12B	I/O	2		Comp_of_IOB12A	NONE
A3	IOB8A	I/O	2		True_of_IOB8B	TRUE
A4	IOB6A	I/O	2		True_of_IOB6B	TRUE
A5	IOB7A	I/O	2		True_of_IOB7B	NONE
A6	IOL12B/TDI	I/O	3	TDI	Comp_of_IOL12A	NONE
A7	IOL11B/TCK	I/O	3	TCK	Comp_of_IOL11A	TRUE
A8	IOL15B/GCLKC_6	I/O	3	GCLKC_6	Comp_of_IOL15A	TRUE
A9	IOL9A/GCLKT_7	I/O	3	GCLKT_7	True_of_IOL9B	NONE
B1	IOB11A	I/O	2		True_of_IOB11B	TRUE
B10	IOL13B/RECONFIG_N	I/O	3	RECONFIG_N	Comp_of_IOL13A	TRUE
B11	IOL4A	I/O	3		True_of_IOL4B	TRUE
B12	IOL5B/LPLL_C_in	I/O	3	LPLL_C_in	Comp_of_IOL5A	NONE
B13	IOL6A/LPLL_T_fb	I/O	3	LPLL_T_fb	True_of_IOL6B	TRUE
B14	IOL2A	I/O	3		True_of_IOL2B	TRUE
B15	VSS	Ground	N/A			
B16	MODE1	I/O	0			NONE
B2	VSS	Ground	N/A			
B3	IOB12A	I/O	2		True_of_IOB12B	NONE
B4	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
B5	IOL24B	I/O	3		Comp_of_IOL24A	TRUE
B6	IOB7B	I/O	2		Comp_of_IOB7A	NONE
B7	IOL22A	I/O	3		True_of_IOL22B	TRUE
B8	IOL11A/TMS	I/O	3	TMS	True_of_IOL11B	TRUE

## GW1N-4 PG256

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
B9	IOL12A	I/O	3		True_of_IOL12B	NONE
C1	IOB10A	I/O	2		True_of_IOB10B	NONE
C10	IOL10C/SCLK	I/O	3	SCLK	True_of_IOL10D	NONE
C11	IOL7B	I/O	3		Comp_of_IOL7A	NONE
C12	IOL3A/JTAGSEL_N/ LPLL_T_in	I/O	3	JTAGSEL_N /LPLL_T_in	True_of_IOL3B	NONE
C13	IOL10G/DONE	I/O	3	DONE	True_of_IOL10H	NONE
C14	VSS	Ground	N/A			
C15	MODE2	I/O	0			NONE
C16	IOT5A	I/O	0		True_of_IOT5B	NONE
C2	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
C3	VSS	Ground	N/A			
C4	IOL17A	I/O	3		True_of_IOL17B	TRUE
C5	IOB2B	I/O	2		Comp_of_IOB2A	TRUE
C6	IOL10E/TDO	I/O	3	TDO	True_of_IOL10F	NONE
C7	IOL15B	I/O	3		Comp_of_IOL15A	TRUE
C8	IOL11A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL11B	TRUE
C9	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
D1	IOB7B	I/O	2		Comp_of_IOB7A	NONE
D10	IOL8A	I/O	3		True_of_IOL8B	TRUE
D11	IOL5B	I/O	3		Comp_of_IOL5A	NONE
D12	VCCO3	Power	N/A			
D13	VSS	Ground	N/A			
D14	IOT33A	I/O	0		True_of_IOT33B	NONE
D15	IOT5B	I/O	0		Comp_of_IOT5A	NONE
D16	IOT4A	I/O	0		True_of_IOT4B	NONE
D2	IOB10B	I/O	2		Comp_of_IOB10A	NONE
D3	IOB7A	I/O	2		True_of_IOB7B	NONE
D4	VSS	Ground	N/A			
D5	VCCO3	Power	N/A			
D6	IOB3A	I/O	2		True_of_IOB3B	NONE
D7	IOL18B	I/O	3		Comp_of_IOL18A	NONE
D8	IOL14A	I/O	3		True_of_IOL14B	NONE
D9	IOL13B	I/O	3		Comp_of_IOL13A	TRUE
E1	IOB11A	I/O	2		True_of_IOB11B	NONE
E10	IOL8B	I/O	3		Comp_of_IOL8A	TRUE
E11	IOL10J	I/O	3		Comp_of_IOL10I	NONE
E12	VSS	Ground	N/A			
E13	VCCO0	Power	N/A			
E14	IOT4B	I/O	0		Comp_of_IOT4A	NONE
E15	IOT33B	I/O	0		Comp_of_IOT33A	NONE
E16	IOT6A	I/O	0		True_of_IOT6B	NONE

## GW1N-9 PG256

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
B9	IOL18A	I/O	3		True_of_IOL18B	NONE
C1	IOB10A	I/O	2		True_of_IOB10B	NONE
C10	IOL12A/SCLK	I/O	3	SCLK	True_of_IOL12B	NONE
C11	IOL7B	I/O	3		Comp_of_IOL7A	NONE
C12	IOL5A/JTAGSEL_N/ LPLL_T_in	I/O	3	JTAGSEL_N /LPLL_T_in	True_of_IOL5B	NONE
C13	IOL14A/DONE	I/O	3	DONE	True_of_IOL14B	NONE
C14	VSS	Ground	N/A			
C15	MODE2	I/O	0			NONE
C16	IOT10A	I/O	0		True_of_IOT10B	NONE
C2	IOB11B	I/O	2		Comp_of_IOB11A	TRUE
C3	VSS	Ground	N/A			
C4	IOL24A	I/O	3		True_of_IOL24B	TRUE
C5	IOB6B	I/O	2		Comp_of_IOB6A	TRUE
C6	IOL13A/TDO	I/O	3	TDO	True_of_IOL13B	TRUE
C7	IOL22B	I/O	3		Comp_of_IOL22A	TRUE
C8	IOL15A/GCLKT_6	I/O	3	GCLKT_6	True_of_IOL15B	TRUE
C9	IOL9B/GCLKC_7	I/O	3	GCLKC_7	Comp_of_IOL9A	NONE
D1	IOB9B	I/O	2		Comp_of_IOB9A	NONE
D10	IOL8A	I/O	3		True_of_IOL8B	TRUE
D11	IOL3B	I/O	3		Comp_of_IOL3A	NONE
D12	VCCO3	Power	N/A			
D13	VSS	Ground	N/A			
D14	IOT38A	I/O	0		True_of_IOT38B	NONE
D15	IOT10B	I/O	0		Comp_of_IOT10A	NONE
D16	IOT9A	I/O	0		True_of_IOT9B	NONE
D2	IOB10B	I/O	2		Comp_of_IOB10A	NONE
D3	IOB9A	I/O	2		True_of_IOB9B	NONE
D4	VSS	Ground	N/A			
D5	VCCO3	Power	N/A			
D6	IOB5A	I/O	2		True_of_IOB5B	NONE
D7	IOL25B	I/O	3		Comp_of_IOL25A	NONE
D8	IOL21A	I/O	3		True_of_IOL21B	NONE
D9	IOL20B	I/O	3		Comp_of_IOL20A	TRUE
E1	IOB14A	I/O	2		True_of_IOB14B	NONE
E10	IOL8B	I/O	3		Comp_of_IOL8A	TRUE
E11	IOL16B	I/O	3		Comp_of_IOL16A	NONE
E12	VSS	Ground	N/A			
E13	VCCO0	Power	N/A			
E14	IOT9B	I/O	0		Comp_of_IOT9A	NONE
E15	IOT38B	I/O	0		Comp_of_IOT38A	NONE
E16	IOT13A	I/O	0		True_of_IOT13B	NONE

## GW1N-4 PG256

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
E2	IOB8A	I/O	2		True_of_IOB8B	TRUE
E3	IOB8B	I/O	2		Comp_of_IOB8A	TRUE
E4	VCCO2	Power	N/A			
E5	VSS	Ground	N/A			
E6	IOL18A	I/O	3		True_of_IOL18B	NONE
E7	IOB3B	I/O	2		Comp_of_IOB3A	NONE
E8	IOL16B	I/O	3		Comp_of_IOL16A	NONE
E9	IOL14B	I/O	3		Comp_of_IOL14A	NONE
F1	IOB13B	I/O	2		Comp_of_IOB13A	NONE
F10	IOL5A	I/O	3		True_of_IOL5B	NONE
F11	VSS	Ground	N/A			
F12	IOT9A	I/O	0		True_of_IOT9B	NONE
F13	IOT7A	I/O	0		True_of_IOT7B	NONE
F14	IOT8A	I/O	0		True_of_IOT8B	NONE
F15	IOT6B	I/O	0		Comp_of_IOT6A	NONE
F16	IOT8B	I/O	0		Comp_of_IOT8A	NONE
F2	IOB11B	I/O	2		Comp_of_IOB11A	NONE
F3	IOB13A	I/O	2		True_of_IOB13B	NONE
F4	IOB12A	I/O	2		True_of_IOB12B	TRUE
F5	IOB16A	I/O	2		True_of_IOB16B	TRUE
F6	VSS	Ground	N/A			
F7	IOL16A	I/O	3		True_of_IOL16B	NONE
F8	IOL13A	I/O	3		True_of_IOL13B	TRUE
F9	IOL10I	I/O	3		True_of_IOL10J	NONE
G1	IOB17A	I/O	2		True_of_IOB17B	NONE
G10	VCC	Power	N/A			
G11	IOT14A	I/O	0		True_of_IOT14B	NONE
G12	IOT7B	I/O	0		Comp_of_IOT7A	NONE
G13	IOT9B	I/O	0		Comp_of_IOT9A	NONE
G14	IOT13B	I/O	0		Comp_of_IOT13A	NONE
G15	IOT13A	I/O	0		True_of_IOT13B	NONE
G16	IOT15A	I/O	0		True_of_IOT15B	NONE
G2	IOB15A	I/O	2		True_of_IOB15B	NONE
G3	IOB15B	I/O	2		Comp_of_IOB15A	NONE
G4	IOB14B	I/O	2		Comp_of_IOB14A	TRUE
G5	IOB14A	I/O	2		True_of_IOB14B	TRUE
G6	IOB12B	I/O	2		Comp_of_IOB12A	TRUE
G7	VCC	Power	N/A			
G8	VCCX	Power	N/A			
G9	VCCO3	Power	N/A			
H1	IOB21B	I/O	2		Comp_of_IOB21A	NONE
H10	VCCO0	Power	N/A			

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
E2	IOB13A	I/O	2		True_of_IOB13B	TRUE
E3	IOB13B	I/O	2		Comp_of_IOB13A	TRUE
E4	VCCO2	Power	N/A			
E5	VSS	Ground	N/A			
E6	IOL25A	I/O	3		True_of_IOL25B	NONE
E7	IOB5B	I/O	2		Comp_of_IOB5A	NONE
E8	IOL23B	I/O	3		Comp_of_IOL23A	NONE
E9	IOL21B	I/O	3		Comp_of_IOL21A	NONE
F1	IOB16B	I/O	2		Comp_of_IOB16A	NONE
F10	IOL3A	I/O	3		True_of_IOL3B	NONE
F11	VSS	Ground	N/A			
F12	IOT16A	I/O	0		True_of_IOT16B	NONE
F13	IOT15A	I/O	0		True_of_IOT15B	NONE
F14	IOT14A	I/O	0		True_of_IOT14B	NONE
F15	IOT13B	I/O	0		Comp_of_IOT13A	NONE
F16	IOT14B	I/O	0		Comp_of_IOT14A	NONE
F2	IOB14B	I/O	2		Comp_of_IOB14A	NONE
F3	IOB16A	I/O	2		True_of_IOB16B	NONE
F4	IOB15A	I/O	2		True_of_IOB15B	TRUE
F5	IOB23A	I/O	2		True_of_IOB23B	TRUE
F6	VSS	Ground	N/A			
F7	IOL23A	I/O	3		True_of_IOL23B	NONE
F8	IOL20A	I/O	3		True_of_IOL20B	TRUE
F9	IOL16A	I/O	3		True_of_IOL16B	NONE
G1	IOB26A	I/O	2		True_of_IOB26B	NONE
G10	VCC	Power	N/A			
G11	IOT19A	I/O	0		True_of_IOT19B	NONE
G12	IOT15B	I/O	0		Comp_of_IOT15A	NONE
G13	IOT16B	I/O	0		Comp_of_IOT16A	NONE
G14	IOT17B	I/O	0		Comp_of_IOT17A	NONE
G15	IOT17A	I/O	0		True_of_IOT17B	NONE
G16	IOT20A	I/O	0		True_of_IOT20B	NONE
G2	IOB22A	I/O	2		True_of_IOB22B	NONE
G3	IOB22B	I/O	2		Comp_of_IOB22A	NONE
G4	IOB17B	I/O	2		Comp_of_IOB17A	TRUE
G5	IOB17A	I/O	2		True_of_IOB17B	TRUE
G6	IOB15B	I/O	2		Comp_of_IOB15A	TRUE
G7	VCC	Power	N/A			
G8	VCCX	Power	N/A			
G9	VCCO3	Power	N/A			
H1	IOB30B	I/O	2		Comp_of_IOB30A	NONE
H10	VCCO0	Power	N/A			

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
H11	IOT22A	I/O	0		True_of_IOT22B	NONE
H12	IOT14B	I/O	0		Comp_of_IOT14A	NONE
H13	IOT16A	I/O	0		True_of_IOT16B	NONE
H14	IOT17A	I/O	0		True_of_IOT17B	NONE
H15	IOT15B	I/O	0		Comp_of_IOT15A	NONE
H16	IOT17B	I/O	0		Comp_of_IOT17A	NONE
H2	IOB17B	I/O	2		Comp_of_IOB17A	NONE
H3	IOB21A	I/O	2		True_of_IOB21B	NONE
H4	IOB18A	I/O	2		True_of_IOB18B	TRUE
H5	IOB23A	I/O	2		True_of_IOB23B	NONE
H6	IOB16B	I/O	2		Comp_of_IOB16A	TRUE
H7	VCCO2	Power	N/A			
H8	VSS	Ground	N/A			
H9	VSS	Ground	N/A			
J1	IOB19A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB19B	NONE
J10	VCCO0	Power	N/A			
J11	IOT24A	I/O	0		True_of_IOT24B	NONE
J12	IOT16B	I/O	0		Comp_of_IOT16A	NONE
J13	IOT22B	I/O	0		Comp_of_IOT22A	NONE
J14	IOT18B	I/O	0		Comp_of_IOT18A	NONE
J15	IOT21A	I/O	0		True_of_IOT21B	NONE
J16	IOT18A	I/O	0		True_of_IOT18B	NONE
J2	IOB22A	I/O	2		True_of_IOB22B	TRUE
J3	IOB19B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_IOB19A	NONE
J4	IOB23B	I/O	2		Comp_of_IOB23A	NONE
J5	IOB25A	I/O	2		True_of_IOB25B	NONE
J6	IOB18B	I/O	2		Comp_of_IOB18A	TRUE
J7	VCCO2	Power	N/A			
J8	VSS	Ground	N/A			
J9	VSS	Ground	N/A			
K1	IOB22B	I/O	2		Comp_of_IOB22A	TRUE
K10	VCC	Power	N/A			
K11	IOT30A	I/O	0		True_of_IOT30B	NONE
K12	IOT26B	I/O	0		Comp_of_IOT26A	NONE
K13	IOT26A	I/O	0		True_of_IOT26B	NONE
K14	IOT23A	I/O	0		True_of_IOT23B	NONE
K15	IOT23B	I/O	0		Comp_of_IOT23A	NONE
K16	IOT21B	I/O	0		Comp_of_IOT21A	NONE
K2	IOB24B	I/O	2		Comp_of_IOB24A	TRUE
K3	IOB24A	I/O	2		True_of_IOB24B	TRUE
K4	IOB27A	I/O	2		True_of_IOB27B	NONE
K5	IOB28A	I/O	2		True_of_IOB28B	NONE

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
H11	IOT28A	I/O	0		True_of_IOT28B	NONE
H12	IOT19B	I/O	0		Comp_of_IOT19A	NONE
H13	IOT22A	I/O	0		True_of_IOT22B	NONE
H14	IOT23A	I/O	0		True_of_IOT23B	NONE
H15	IOT20B	I/O	0		Comp_of_IOT20A	NONE
H16	IOT23B	I/O	0		Comp_of_IOT23A	NONE
H2	IOB26B	I/O	2		Comp_of_IOB26A	NONE
H3	IOB30A	I/O	2		True_of_IOB30B	NONE
H4	IOB27A	I/O	2		True_of_IOB27B	TRUE
H5	IOB32A	I/O	2		True_of_IOB32B	NONE
H6	IOB23B	I/O	2		Comp_of_IOB23A	TRUE
H7	VCCO2	Power	N/A			
H8	VSS	Ground	N/A			
H9	VSS	Ground	N/A			
J1	IOB28A/GCLKT_5	I/O	2	GCLKT_5	True_of_IOB28B	NONE
J10	VCCO0	Power	N/A			
J11	IOT30A	I/O	0		True_of_IOT30B	NONE
J12	IOT22B	I/O	0		Comp_of_IOT22A	NONE
J13	IOT28B	I/O	0		Comp_of_IOT28A	NONE
J14	IOT25B	I/O	0		Comp_of_IOT25A	NONE
J15	IOT27A	I/O	0		True_of_IOT27B	NONE
J16	IOT25A	I/O	0		True_of_IOT25B	NONE
J2	IOB31A	I/O	2		True_of_IOB31B	TRUE
J3	IOB28B/GCLKC_5	I/O	2	GCLKC_5	Comp_of_IOB28A	NONE
J4	IOB32B	I/O	2		Comp_of_IOB32A	NONE
J5	IOB34A	I/O	2		True_of_IOB34B	NONE
J6	IOB27B	I/O	2		Comp_of_IOB27A	TRUE
J7	VCCO2	Power	N/A			
J8	VSS	Ground	N/A			
J9	VSS	Ground	N/A			
K1	IOB31B	I/O	2		Comp_of_IOB31A	TRUE
K10	VCC	Power	N/A			
K11	IOT36A	I/O	0		True_of_IOT36B	NONE
K12	IOT34B	I/O	0		Comp_of_IOT34A	NONE
K13	IOT34A	I/O	0		True_of_IOT34B	NONE
K14	IOT29A	I/O	0		True_of_IOT29B	NONE
K15	IOT29B	I/O	0		Comp_of_IOT29A	NONE
K16	IOT27B	I/O	0		Comp_of_IOT27A	NONE
K2	IOB33B	I/O	2		Comp_of_IOB33A	TRUE
K3	IOB33A	I/O	2		True_of_IOB33B	TRUE
K4	IOB36A	I/O	2		True_of_IOB36B	NONE
K5	IOB37A	I/O	2		True_of_IOB37B	NONE

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
K6	IOB25B	I/O	2		Comp_of_IOB25A	NONE
K7	VCC	Power	N/A			
K8	VCCO1	Power	N/A			
K9	VCCX	Power	N/A			
L1	IOB26A	I/O	2		True_of_IOB26B	TRUE
L10	IOR10D/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR10C	NONE
L11	VSS	Ground	N/A			
L12	IOT24B	I/O	0		Comp_of_IOT24A	NONE
L13	IOT30B	I/O	0		Comp_of_IOT30A	NONE
L14	IOT25B	I/O	0		Comp_of_IOT25A	NONE
L15	IOT2A	I/O	0		True_of_IOT2B	NONE
L16	IOT25A	I/O	0		True_of_IOT25B	NONE
L2	IOB20A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB20B	TRUE
L3	IOB26B	I/O	2		Comp_of_IOB26A	TRUE
L4	IOB28B	I/O	2		Comp_of_IOB28A	NONE
L5	IOB27B	I/O	2		Comp_of_IOB27A	NONE
L6	VSS	Ground	N/A			
L7	IOR17B	I/O	1		Comp_of_IOR17A	TRUE
L8	IOR14B	I/O	1		Comp_of_IOR14A	NONE
L9	IOR12B	I/O	1		Comp_of_IOR12A	NONE
M1	IOB20B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB20A	TRUE
M10	IOR7A	I/O	1		True_of_IOR7B	NONE
M11	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
M12	VSS	Ground	N/A			
M13	VCCO0	Power	N/A			
M14	IOT32A	I/O	0		True_of_IOT32B	NONE
M15	IOT32B	I/O	0		Comp_of_IOT32A	NONE
M16	MODE0	I/O	0			NONE
M2	IOB31A	I/O	2		True_of_IOB31B	NONE
M3	IOB30A	I/O	2		True_of_IOB30B	TRUE
M4	VCCO2	Power	N/A			
M5	VSS	Ground	N/A			
M6	IOR14A	I/O	1		True_of_IOR14B	NONE
M7	IOR15A	I/O	1		True_of_IOR15B	TRUE
M8	IOR10G/SO/D1	I/O	1	SO/D1	True_of_IOR10H	NONE
M9	IOR10C/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR10D	NONE
N1	IOB30B	I/O	2		Comp_of_IOB30A	TRUE
N10	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
N11	IOR7B	I/O	1		Comp_of_IOR7A	NONE
N12	VCCO1	Power	N/A			
N13	VSS	Ground	N/A			
N14	IOT36B	I/O	0		Comp_of_IOT36A	NONE

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
K6	IOB34B	I/O	2		Comp_of_IOB34A	NONE
K7	VCC	Power	N/A			
K8	VCCO1	Power	N/A			
K9	VCCX	Power	N/A			
L1	IOB35A	I/O	2		True_of_IOB35B	TRUE
L10	IOR12B/MCLK/D4	I/O	1	MCLK/D4	Comp_of_IOR12A	NONE
L11	VSS	Ground	N/A			
L12	IOT30B	I/O	0		Comp_of_IOT30A	NONE
L13	IOT36B	I/O	0		Comp_of_IOT36A	NONE
L14	IOT32B	I/O	0		Comp_of_IOT32A	NONE
L15	IOT2A	I/O	0		True_of_IOT2B	NONE
L16	IOT32A	I/O	0		True_of_IOT32B	NONE
L2	IOB29A/GCLKT_4	I/O	2	GCLKT_4	True_of_IOB29B	TRUE
L3	IOB35B	I/O	2		Comp_of_IOB35A	TRUE
L4	IOB37B	I/O	2		Comp_of_IOB37A	NONE
L5	IOB36B	I/O	2		Comp_of_IOB36A	NONE
L6	VSS	Ground	N/A			
L7	IOR24B	I/O	1		Comp_of_IOR24A	TRUE
L8	IOR21B	I/O	1		Comp_of_IOR21A	NONE
L9	IOR18B	I/O	1		Comp_of_IOR18A	NONE
M1	IOB29B/GCLKC_4	I/O	2	GCLKC_4	Comp_of_IOB29A	TRUE
M10	IOR7A	I/O	1		True_of_IOR7B	NONE
M11	IOR9B/GCLKC_2	I/O	1	GCLKC_2	Comp_of_IOR9A	NONE
M12	VSS	Ground	N/A			
M13	VCCO0	Power	N/A			
M14	IOT37A	I/O	0		True_of_IOT37B	NONE
M15	IOT37B	I/O	0		Comp_of_IOT37A	NONE
M16	MODE0	I/O	0			NONE
M2	IOB40A	I/O	2		True_of_IOB40B	NONE
M3	IOB39A	I/O	2		True_of_IOB39B	TRUE
M4	VCCO2	Power	N/A			
M5	VSS	Ground	N/A			
M6	IOR21A	I/O	1		True_of_IOR21B	NONE
M7	IOR22A	I/O	1		True_of_IOR22B	TRUE
M8	IOR14A/SO/D1	I/O	1	SO/D1	True_of_IOR14B	NONE
M9	IOR12A/MCS_N/D5	I/O	1	MCS_N/D5	True_of_IOR12B	NONE
N1	IOB39B	I/O	2		Comp_of_IOB39A	TRUE
N10	IOR9A/GCLKT_2	I/O	1	GCLKT_2	True_of_IOR9B	NONE
N11	IOR7B	I/O	1		Comp_of_IOR7A	NONE
N12	VCCO1	Power	N/A			
N13	VSS	Ground	N/A			
N14	IOT41B	I/O	0		Comp_of_IOT41A	NONE

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
N15	IOT35A	I/O	0		True_of_IOT35B	NONE
N16	IOT36A	I/O	0		True_of_IOT36B	NONE
N2	IOB29A	I/O	2		True_of_IOB29B	NONE
N3	IOB31B	I/O	2		Comp_of_IOB31A	NONE
N4	VSS	Ground	N/A			
N5	VCCO1	Power	N/A			
N6	IOR17A	I/O	1		True_of_IOR17B	TRUE
N7	IOR15B	I/O	1		Comp_of_IOR15A	TRUE
N8	IOR12A	I/O	1		True_of_IOR12B	NONE
N9	IOR10H/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR10G	NONE
P1	IOB29B	I/O	2		Comp_of_IOB29A	NONE
P10	IOR10A/MI/D7	I/O	1	MI/D7	True_of_IOR10B	NONE
P11	IOR8B	I/O	1		Comp_of_IOR8A	TRUE
P12	IOR4A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR4B	TRUE
P13	IOR3B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR3A	NONE
P14	VSS	Ground	N/A			
P15	IOT37A	I/O	0		True_of_IOT37B	NONE
P16	IOT35B	I/O	0		Comp_of_IOT35A	NONE
P2	IOB32B	I/O	2		Comp_of_IOB32A	TRUE
P3	VSS	Ground	N/A			
P4	IOB33A	I/O	2		True_of_IOB33B	NONE
P5	IOB35B	I/O	2		Comp_of_IOB35A	NONE
P6	IOR18A	I/O	1		True_of_IOR18B	NONE
P7	IOR16B	I/O	1		Comp_of_IOR16A	NONE
P8	IOR13A	I/O	1		True_of_IOR13B	TRUE
P9	IOR10J/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR10I	NONE
R1	IOB32A	I/O	2		True_of_IOB32B	TRUE
R10	IOR10B/MO/D6	I/O	1	MO/D6	Comp_of_IOR10A	NONE
R11	IOR5A	I/O	1		True_of_IOR5B	NONE
R12	IOR3A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR3B	NONE
R13	IOR6A	I/O	1		True_of_IOR6B	TRUE
R14	IOR2B	I/O	1		Comp_of_IOR2A	TRUE
R15	VSS	Ground	N/A			
R16	IOT37B	I/O	0		Comp_of_IOT37A	NONE
R2	VSS	Ground	N/A			
R3	IOB34B	I/O	2		Comp_of_IOB34A	TRUE
R4	IOB36B	I/O	2		Comp_of_IOB36A	TRUE
R5	IOB35A	I/O	2		True_of_IOB35B	NONE
R6	IOB37B	I/O	2		Comp_of_IOB37A	NONE
R7	IOR16A	I/O	1		True_of_IOR16B	NONE

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PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
N15	IOT39A	I/O	0		True_of_IOT39B	NONE
N16	IOT41A	I/O	0		True_of_IOT41B	NONE
N2	IOB38A	I/O	2		True_of_IOB38B	NONE
N3	IOB40B	I/O	2		Comp_of_IOB40A	NONE
N4	VSS	Ground	N/A			
N5	VCCO1	Power	N/A			
N6	IOR24A	I/O	1		True_of_IOR24B	TRUE
N7	IOR22B	I/O	1		Comp_of_IOR22A	TRUE
N8	IOR18A	I/O	1		True_of_IOR18B	NONE
N9	IOR14B/SSPI_CS_N/D0	I/O	1	SSPI_CS_N/D0	Comp_of_IOR14A	NONE
P1	IOB38B	I/O	2		Comp_of_IOB38A	NONE
P10	IOR11A/MI/D7	I/O	1	MI/D7	True_of_IOR11B	TRUE
P11	IOR8B	I/O	1		Comp_of_IOR8A	TRUE
P12	IOR6A/RPLL_T_fb	I/O	1	RPLL_T_fb	True_of_IOR6B	TRUE
P13	IOT46B	I/O	0		Comp_of_IOT46A	NONE
P14	VSS	Ground	N/A			
P15	IOT42A	I/O	0		True_of_IOT42B	NONE
P16	IOT39B	I/O	0		Comp_of_IOT39A	NONE
P2	IOB41B	I/O	2		Comp_of_IOB41A	TRUE
P3	VSS	Ground	N/A			
P4	IOB42B	I/O	2		Comp_of_IOB42A	NONE
P5	IOB44B	I/O	2		Comp_of_IOB44A	NONE
P6	IOR25A	I/O	1		True_of_IOR25B	NONE
P7	IOR23B	I/O	1		Comp_of_IOR23A	NONE
P8	IOR20A	I/O	1		True_of_IOR20B	TRUE
P9	IOR15B/DOUT/WE_N	I/O	1	DOUT/WE_N	Comp_of_IOR15A	TRUE
R1	IOB41A	I/O	2		True_of_IOB41B	TRUE
R10	IOR11B/MO/D6	I/O	1	MO/D6	Comp_of_IOR11A	TRUE
R11	IOR3A	I/O	1		True_of_IOR3B	NONE
R12	IOT46A	I/O	0		True_of_IOT46B	NONE
R13	IOR4A	I/O	1		True_of_IOR4B	TRUE
R14	IOR5B/RPLL_C_in	I/O	1	RPLL_C_in	Comp_of_IOR5A	NONE
R15	VSS	Ground	N/A			
R16	IOT42B	I/O	0		Comp_of_IOT42A	NONE
R2	VSS	Ground	N/A			
R3	IOB43B	I/O	2		Comp_of_IOB43A	TRUE
R4	IOB45B	I/O	2		Comp_of_IOB45A	TRUE
R5	IOB44A	I/O	2		True_of_IOB44B	NONE
R6	IOR27B	I/O	1		Comp_of_IOR27A	NONE
R7	IOR23A	I/O	1		True_of_IOR23B	NONE



## GW1N-4 PG256

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
R8	IOR11B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR11A	TRUE
R9	IOR10E/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR10F	NONE
T1	VCC	Power	N/A			
T10	IOR10F/SI/D2	I/O	1	SI/D2	Comp_of_IOR10E	NONE
T11	IOR8A	I/O	1		True_of_IOR8B	TRUE
T12	IOR5B	I/O	1		Comp_of_IOR5A	NONE
T13	IOR4B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR4A	TRUE
T14	IOR6B	I/O	1		Comp_of_IOR6A	TRUE
T15	IOR2A	I/O	1		True_of_IOR2B	TRUE
T16	VCC	Power	N/A			
T2	IOB34A	I/O	2		True_of_IOB34B	TRUE
T3	IOB36A	I/O	2		True_of_IOB36B	TRUE
T4	IOB33B	I/O	2		Comp_of_IOB33A	NONE
T5	IOB37A	I/O	2		True_of_IOB37B	NONE
T6	IOR18B	I/O	1		Comp_of_IOR18A	NONE
T7	IOR11A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR11B	TRUE
T8	IOR13B	I/O	1		Comp_of_IOR13A	TRUE
T9	IOR10I/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR10J	NONE

## GW1N-9 PG256

PG256	管脚名	功能	BANK	配置功能	差分Pair	LVDS
R8	IOR17B/GCLKC_3	I/O	1	GCLKC_3	Comp_of_IOR17A	TRUE
R9	IOR13A/FASTRD_N/D3	I/O	1	FASTRD_N/D3	True_of_IOR13B	TRUE
T1	VCC	Power	N/A			
T10	IOR13B/SI/D2	I/O	1	SI/D2	Comp_of_IOR13A	TRUE
T11	IOR8A	I/O	1		True_of_IOR8B	TRUE
T12	IOR3B	I/O	1		Comp_of_IOR3A	NONE
T13	IOR6B/RPLL_C_fb	I/O	1	RPLL_C_fb	Comp_of_IOR6A	TRUE
T14	IOR4B	I/O	1		Comp_of_IOR4A	TRUE
T15	IOR5A/RPLL_T_in	I/O	1	RPLL_T_in	True_of_IOR5B	NONE
T16	VCC	Power	N/A			
T2	IOB43A	I/O	2		True_of_IOB43B	TRUE
T3	IOB45A	I/O	2		True_of_IOB45B	TRUE
T4	IOB42A	I/O	2		True_of_IOB42B	NONE
T5	IOR27A	I/O	1		True_of_IOR27B	NONE
T6	IOR25B	I/O	1		Comp_of_IOR25A	NONE
T7	IOR17A/GCLKT_3	I/O	1	GCLKT_3	True_of_IOR17B	TRUE
T8	IOR20B	I/O	1		Comp_of_IOR20A	TRUE
T9	IOR15A/DIN/CLKHOLD_N	I/O	1	DIN/CLKHOLD_N	True_of_IOR15B	TRUE