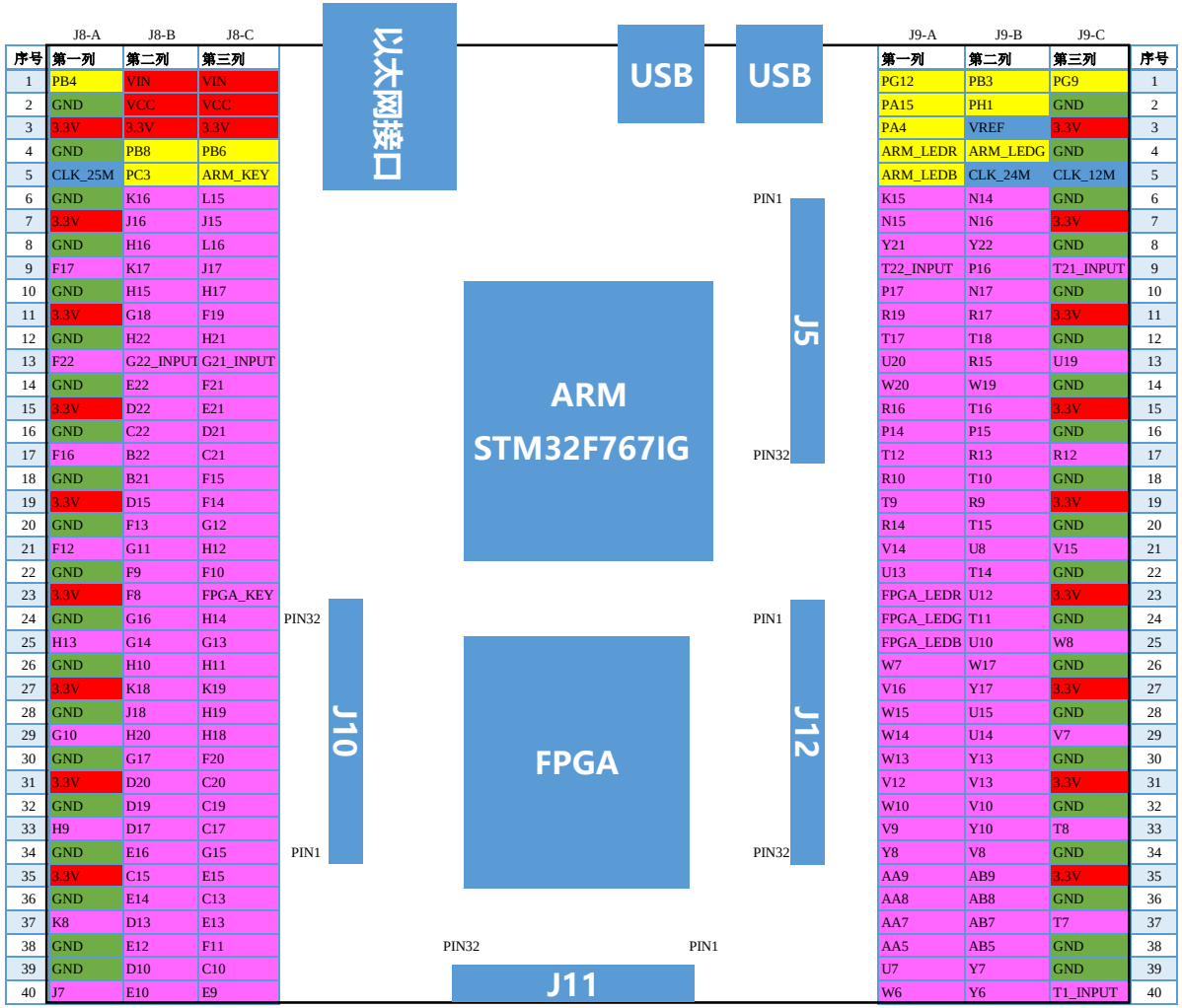
iCore4 扩展引脚示意图(正面观看)



序号	J8-A 第一列	J8-B 第二列	J8-C 第三列
1	PB4	VIN	VIN
2	GND	VCC	VCC
3	3.3V	3.3V	3.3V
4	GND	PB8	PB6
5	CLK_25M	PC3	ARM_KEY
6	GND	K16	L15
7	3.3V	J16	J15
8	GND	H16	L16
9	F17	K17	J17
10	GND	H15	H17
11	3.3V	G18	F19
12	GND	H22	H21
13	F22	G22_INPUT	G21_INPUT
14	GND	E22	F21
15	3.3V	D22	E21
16	GND	C22	D21
17	F16	B22	C21
18	GND	B21	F15
19	3.3V	D15	F14
20	GND	F13	G12
21	F12	G11	H12
22	GND	F9	F10
23	3.3V	F8	FPGA_KEY
24	GND	G16	H14
25	H13	G14	G13
26	GND	H10	H11
27	3.3V	K18	K19
28	GND	J18	H19
29	G10	H20	H18
30	GND	G17	F20
31	3.3V	D20	C20
32	GND	D19	C19
33	H9	D17	C17
34	GND	E16	G15
35	3.3V	C15	E15
36	GND	E14	C13
37	K8	D13	E13
38	GND	E12	F11
39	GND	D10	C10
40	J7	E10	E9

序号	J9-A 第一列	J9-B 第二列	J9-C 第三列
1	PG12	PB3	PG9
2	PA15	PH1	GND
3	PA4	VREF	3.3V
4	ARM_LEDR	ARM_LEDG	GND
5	ARM_LEDB	CLK_24M	CLK_12M
6	K15	N14	GND
7	N15	N16	3.3V
8	Y21	Y22	GND
9	T22_INPUT	P16	T21_INPUT
10	P17	N17	GND
11	R19	R17	3.3V
12	T17	T18	GND
13	U20	R15	U19
14	W20	W19	GND
15	R16	T16	3.3V
16	P14	P15	GND
17	T12	R13	R12
18	R10	T10	GND
19	T9	R9	3.3V
20	R14	T15	GND
21	V14	U8	V15
22	U13	T14	GND
23	FPGA_LEDR	U12	3.3V
24	FPGA_LEDG	T11	GND
25	FPGA_LEDB	U10	W8
26	W7	W17	GND
27	V16	Y17	3.3V
28	W15	U15	GND
29	W14	U14	V7
30	W13	Y13	GND
31	V12	V13	3.3V
32	W10	V10	GND
33	V9	Y10	T8
34	Y8	V8	GND
35	AA9	AB9	3.3V
36	AA8	AB8	GND
37	AA7	AB7	T7
38	AA5	AB5	GND
39	U7	Y7	GND
40	W6	Y6	T1_INPUT

序号	J5	J10	J11	J12
1	VCC	A9	R6	AA21
2	VCC	B10	N7	AA20
3	DE	A10	P8	AB20
4	VSYNC	B11_INPUT	M6	AA19
5	HSYNC	A11_INPUT	M7	AB19
6	LCD_B7	E11	P7	AA18
7	LCD_B6	GND	GND	GND
8	LCD_B5	A12_INPUT	L6	AB18
9	LCD_B4	B12_INPUT	N5	AA17
10	LCD_B3	A13	M4	AB17
11	GND	B13	M5	AA16
12	LCD_G7	A14	N8	AB16
13	LCD_G6	B14	M8	AA15
14	LCD_G5	GND	GND	GND
15	LCD_G4	A15	L8	AB15
16	LCD_G3	B15	L7	AA14
17	LCD_G2	A16	K7	AB14
18	GND	B16	J4	AA13
19	LCD_R7	A17	J3	AB13
20	LCD_R6	B17	H7	AA12_INPUT
21	LCD_R5	GND	GND	GND
22	LCD_R4	A18	J1	AB12_INPUT
23	LCD_R3	B18	J2	V11
24	TFT_CLK	A19	H1	AB11_INPUT
25	GND	B19	H2	AA11_INPUT
26	PENIRQ	A20	J6	AB10
27	LCD_BL	B20	H5	AA10
28	LCD_CTRL	GND	GND	GND
29	TOUCH_MOS	D3V3	D3V3	D3V3
30	TOUCH_MISO	D3V3	D3V3	D3V3
31	TOUCH_SCK	VCC	VCC	VCC
32	TOUCH_CS	VCC	VCC	VCC

注 释

- 黑色边框为iCore3板子边框
- 绿色为GND脚
- 红色为电源脚
- 黄色为ARM扩展脚
- 紫色为FPGA扩展脚
- 蓝色为其他引脚，复用关系见下表

序号	对应名字	对应引脚	连接芯片
1	ARM_KEY	PB9	ARM
2	ARM_LEDR	PB2	ARM
3	ARM_LEDG	PA10	ARM
4	ARM_LEDB	PA9	ARM
5	FPGA_KEY	G9	FPGA
6	FPGA_LEDR	R11	FPGA
7	FPGA_LEDG	U11	FPGA
8	FPGA_LEDB	U9	FPGA