

### FAQ0105

## Frequently Asked Questions

## How to set AT32F4xx IO ports connected to power supply

#### **Questions:**

When replacing a different microcontroller with AT32F4xx series, if some I/Os of AT32F4xx series are connected to PCB power supply (VDD/GND), how to set them?

#### **Answer:**

During power-on, power-down reset and code execution, without software intervention, I/Os will keep in floating state. Applying 0 to 5.5 V to the I/Os that are connected to power supply would not cause any influence.

Example of IO ports connected to power supply during product replacement or migration:

Pin	AT32 part number	Replaced product		
number	Pin name	Pin name		
	AT32F413RxT7	Gx32F103RxT6/ Gx32F303RxT6		
	AT32F413RXT7 AT32F415RxT7	Sxx32F103RxT6/ Sxx32F401RxT6		
	A132F415RX17	Sxx32F030RCT6/ Sxx32F072RxT6		
18	PF4	VSS		
19	PF5	VDD		
47	PF6 VSS			
48	PF7	VDD		
		Gx32F103CxT6/ Gx32F303CxT6		
	AT32F413CxT7	Sxx32F103CxT6/ Sxx32F302CxT6		
	AT32F415CxT7	Sxx32F303CxT6/ Sxx32F030CCT6		
		Sxx32F072CxT6		
35	PF6 VSS			
36	PF7	VDD		
	AT32F413CxU7	Sxx32F103CxU6/ Sxx32F072CxU6		
	AT32F415CxU7			
35	PF6	VSS		
36	PF7	VDD		
	AT32F413RxT7	Sxx32F302RxT6/ Sxx32F303RxT6		
	AT32F415RxT7			
19	PF5	VDD		
47	PF6 VSS			
48	PF7	VDD		
	AT32F421CxT7	Sxx32F030CCT6		
35	PF6	VSS		
36	PF7 VDD			

Type: MCU application

Applicable products: AT32F413, AT32F415, AT32F421

Main function: GPIO Other function: None



# How to set AT32F4xx IO ports connected to power supply

**Document revision history** 

Date	Revision	Changes
2022.2.25	2.0.0	Initial release



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