3/23, 6:03 PM	digitalWrite vs REG_WRI	TE on pin13 - why is	it different? · Is	ssue #1901 · es	pressif/ard	luino-es	p32 · GitHub	
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<> Code	458	Discussions	Actions		2] Wiki	① Security	<u>~</u>
New issue							Jump to b	ottor
digitalWrite vs	REG_WRITE on pi	in13 - why	is it diffe	erent? #1	901			
OhSoGood	d opened this issue on Sep 26, 20	18 · 4 comments						
OhSoGood commented	d on Sep 26, 2018 • edited 🕶							
Hi,								
Can anybody explain m	e why digitalWrite and REG_WRIT	E have different beh	navior on some	pin?				
	oinMode(13, OUTPUT); digitalWri GPIO_ENABLE_REG, BIT13); REG_\		-		O_OUT_W	1TS_REC	G, BIT13)), pin13	}
On the contrary, if I try	the same on BIT27, pin27 gets 3.3	BV with REG_WRITE.						
What is the reason for t	his? I looked at the board pin lay	out, but got no conc	rete clue.					
Thank you!								
francescolavra comme	nted on Oct 27, 2018							
that the pin multiplexer	e pins are not assigned to the GPI is configured correctly for that pigg, BIT13) after pinMode(13, OUTF	in to function as a G	PIO. That's wha	t the pinMode()) function			rst
OhSoGood commented	I on Oct 27, 2018						Auth	nor
Oh You mean that the	initialization I thought I was doin	ng with REG_WRITE(GI	PIO_ENABLE_REG,	BIT13) is not	equivalent	tto pin	Mode(13, OUTPUT	·)
If so, what is the purpos Thank you	se of REG_WRITE(GPIO_ENABLE_REG,	xx=) and should I	do it in additior	n to pinMode(13	3, OUTPUT)	?		
francescolavra comme	nted on Oct 27, 2018							
pinMode(13, OUTPUT) C	loes other stuff in addition to sett	ing bit 13 in GPIO_E	NABLE_REG , and	is not equivaler	nt to REG_	_WRITE(G	PIO_ENABLE_REG,	

https://github.com/espressif/arduino-esp32/issues/1901

OhSoGood commented on Oct 27, 2018

Thank you!

Author

In:



OhSoGood closed this as completed on Oct 27, 2018





rei-vilo mentioned this issue on Jan 24, 2020

ESP32-Pico - Which pins support digitalwrite()? #3662



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

2 participants



