

7.4.11 GPIO register map

The following table gives the GPIO register map and the reset values.

Table 26. GPIO register map and reset values

Offset	Register	Reset value	31
0x00	GPIOA_MODER	0 MODER5[1:0] 0 MODER15[1:0]	30
0x00	GPIOB_MODER	0 MODER4[1:0] 0 MODER14[1:0]	29
0x00	GPIOx_MODER (where x = C..H)	0 MODER3[1:0] 0 MODER13[1:0]	28
0x04	GPIOx_OTYPER (where x = A..H)	0 MODER2[1:0] 0 MODER12[1:0]	27
0x08	GPIOx_OSPEEDER (where x = A..H except B)	0 MODER1[1:0] 0 MODER11[1:0]	26
0x08	GPIOB_OSPEEDER	0 MODER0[1:0] 0 MODER10[1:0]	25
0x0C	GPIOA_PUPDR	0 PUPDR15[1:0] 0 OSPEEDR15[1:0]	24
0x0C	GPIOB_PUPDR	0 PUPDR15[1:0] 0 OSPEEDR15[1:0]	23
0x0C	Reset value	0 PUPDR14[1:0] 0 OSPEEDR14[1:0]	22
0x0C	Reset value	0 PUPDR13[1:0] 0 OSPEEDR13[1:0]	21
0x0C	Reset value	0 PUPDR12[1:0] 0 OSPEEDR12[1:0]	20
0x0C	Reset value	0 PUPDR11[1:0] 0 OSPEEDR11[1:0]	19
0x0C	Reset value	0 PUPDR10[1:0] 0 OSPEEDR10[1:0]	18
0x0C	Reset value	0 PUPDR9[1:0] 0 OSPEEDR9[1:0]	17
0x0C	Reset value	0 PUPDR8[1:0] 0 OSPEEDR8[1:0]	16
0x0C	Reset value	0 PUPDR7[1:0] 0 OSPEEDR7[1:0]	15
0x0C	Reset value	0 PUPDR6[1:0] 0 OSPEEDR6[1:0]	14
0x0C	Reset value	0 PUPDR5[1:0] 0 OSPEEDR5[1:0]	13
0x0C	Reset value	0 PUPDR4[1:0] 0 OSPEEDR4[1:0]	12
0x0C	Reset value	0 PUPDR3[1:0] 1 OSPEEDR3[1:0]	11
0x0C	Reset value	0 PUPDR2[1:0] 0 OSPEEDR2[1:0]	10
0x0C	Reset value	0 PUPDR1[1:0] 0 OSPEEDR1[1:0]	9
0x0C	Reset value	0 PUPDR0[1:0] 0 OSPEEDR0[1:0]	8

Table 26. GPIO register map and reset values (continued)

Refer to [Section 2.2 on page 56](#) for the register boundary addresses.