9.4.12 GPIO register map

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

Table 47. GPIO register map and reset values

		Table 47. GFTO Tegister I										~P	all	<u> </u>	ieset vaid							_			_							
Offset	Register name	31	30	53	28	27	56	25	24	23	22	21	70	19	18	17	16	15	14	13	12	7	10	6	∞	7	9	2	t	2	4	
0x00	GPIOA_MODER	MODE15[1:0]		MODE14[1:0]-		MODE13[1:0]-		MODE12[1:0]-		MODE11[1:0].		MODE10[1:0]		MODE9[1:0]		MODE8[1:0]		MODE7[1:0]		MODE6[1:0]		MODE5[1:0]		MODE4[1:0]		MODE3[1:0]		MODE2[1:0]		MODE1[1:0]	10,120	MODEU[1:0]
	Reset value	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1 1	1	1 1	1	1
0x00	GPIOx_MODER (where x = BE, H)	MODE 16[1:0]		_	MODE14[1:0]		MODE13[1:0]		MODE12[1:0]			MODE10[1:0]		MODE9[1:0]		MODE8[1:0]		MODE7[1:0]		MODE6[1:0]		MODE5[1:0]		MODE4[1:0]		MODE3[1:0]		MODE2[1:0]		MODE1[1:0]		MODEU[1:0]
	Reset value	1 1		1 1		1 1		1 1		1 1		1 1		1 1		1	1	1 1		1 1		1 1		1 1		1 1		1 1		1 1 1		1
0x00	GPIOx_MODER (where x = CK)	MODEB46[4:0]	[0:-]6 V=00 - 1							T MODER11[1:0]		T MODER10[1:0]		T MODER9[1:0]		T MODER8[1:0]		MODER7[1:0]		MODER6[1:0]		T MODER5[1:0]		MODER4[1:0]		T MODER3[1:0]		T MODER2[1:0]		MODEv1[1:0]		MODERU[1:0]
	Reset value	1	Ľ	<u>'</u>	'	<u>'</u>	1	-				'	<u>'</u>	<u>'</u>	<u>'</u>	-							-	1	'	'	<u>'</u>	-	+	' '	1	1
0x04	GPIOx_OTYPER (where x = AE,H)	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.		OT14	OT13	OT12		OT10		0T8	017	ОТ6	OT5			0T1	ОТО
	Reset value																	0	0	0	0	0	0	0	0	0	0	0 0) (0 0	0	0
0x08	GPIOA_OSPEEDR	OSPEED15[1:0]		OSF LED 14[1.0]	OSPEED13[1:0]		OSPEED12[1:0]		OSPEED11[1:0]		OSPEED10[1:0]		OSPEED9[1:0]		OSPEED8[1:0]		OSPEED7[1:0]		OSPEED6[1:0]		OSPEED5[1:0]		OSPEED4[1:0]		OSPEED3[1:0]		OSPEED2[1:0]		OSPEED1[1:0]		OSPEEDU[1:0]	
	Reset value	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 () (0 0	0	0
0x08	GPIOx_OSPEEDR (where x = BE,H)	OSBEED46[4:0]	OSPEED 13[1.0]	OSPEED14[1:0]		OSPEED13[1:0]		OSPEED12[1:0]		OSPEED11[1:0]		OSPEED10[1:0]-		OSPEED9[1:0]		OSPEED8[1:0]		OSPEED7[1:0]		OSPEED6[1:0]		OSPEED5[1:0]		OSPEED4[1:0]		OSPEED3[1:0]		OSPEED2[1:0]		OSPEED1[1:0]		OSPEED0[1:0]
	Reset value	0	0	0		0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0) (0 0	0	0
0x0C	GPIOA_PUPDR	PUPD15[1:0]		[0.1]N14[1.0]	PUPD14[1:0]		PUPD13[1:0]		PUPD12[1:0]		PUPD11[1:0]		PUPD10[1:0]		PUPD9[1:0]		PUPD8[1:0]		PUPD7[1:0]		[o:: log !o !	PUPD5[1:0]		PUPD4[1:0]	. PUPD4[1:0]			PUPD2[1:0]		PUPD1[1:0]		PUPDU[1:0]
	Reset value	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0) (0 0	0	0
0x10	GPIOx_IDR (where x = AE,H)	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.		ID14	ID13		-	D10	_				ID5	_			<u>a</u>
	Reset value															Ш		X	×	X	X	х	X	Х	Х	Х	Х	x >	_	x x	_	X
0x14	GPIOx_ODR (where x = AE,H)	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	o 0D15	o 0D14	o 0D13	o 0D12	o 0D11	o 0D10	OD9	o 0D8	o 0D7	OD6	o OD5	_	0 OD2	_	0 OD0
0x18	Reset value GPIOx_BSRR (where x = AE,H)	BR15	BR14	BR13	BR12	BR11	BR10	BR9	BR8	BR7	BR6	BR5	BR4	BR3	BR2	BR1	BRO		BS14 c	BS13			-	_				BS5 c	+	+	+	BS0 o
	Reset value	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0 () (0 0	0	0
0x1C	GPIOx_LCKR (where x = AE,H)	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	Res.	LCKK	LCK15	LCK14	LCK13			LCK10	LCK9	LCK8	LCK7	LCK6	LCK5	. CK3	LCK2		LCK0
	Reset value																0	0	0	0	0		0	0	0	0	0	0 () (0 0	0	0

