

## Register overview

Register	Offset	TZ	Description
SYSTEMOFF	0x500		System OFF register
POFCON	0x530		Power-fail comparator configuration This register is retained.
POFSTAT	0x534		Power-fail comparator status register
VREGMAIN.DCDCEN	0x600		Enable DC/DC converter
VREGMAIN.INDUCTORDET	0x604		VREGMAIN inductor detection

### 5.7.2.1 SYSTEMOFF

Address offset: 0x500

System OFF register

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID																															A	
<b>Reset 0x00000000</b>	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		
ID	R/W	Field	Value ID	Value	Description																											
A	W	SYSTEMOFF			Enable System OFF mode																											
		Enter	1		Enable System OFF mode																											

### 5.7.2.2 POFCON (Retained)

Address offset: 0x530

Power-fail comparator configuration

This register is retained.

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID																									C	B	B	B	A			
<b>Reset 0x00000000</b>	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		
ID	R/W	Field	Value ID	Value	Description																											
A	RW	POF			Enable or disable power-fail comparator																											
		Disabled	0		Disable																											
		Enabled	1		Enable																											
B	RW	THRESHOLD			Power-fail comparator threshold setting																											
		V17	0		Set threshold to 1.7 V for VDD																											
		V18	1		Set threshold to 1.8 V for VDD																											
		V19	2		Set threshold to 1.9 V for VDD																											
		V20	3		Set threshold to 2.0 V for VDD																											
		V21	4		Set threshold to 2.1 V for VDD																											
		V22	5		Set threshold to 2.2 V for VDD																											
		V23	6		Set threshold to 2.3 V for VDD																											
		V24	7		Set threshold to 2.4 V for VDD																											
		V25	8		Set threshold to 2.5 V for VDD																											
		V26	9		Set threshold to 2.6 V for VDD																											
		V27	10		Set threshold to 2.7 V for VDD																											
		V28	11		Set threshold to 2.8 V for VDD																											
		V29	12		Set threshold to 2.9 V for VDD																											
		V30	13		Set threshold to 3.0 V for VDD																											
		V31	14		Set threshold to 3.1 V for VDD																											