

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																															
Reset 0x00000000				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	
Reset 0x00000000				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																																								