

Configuration

Instance	Domain	Configuration
RRAMC	GLOBAL	RRAMC.REGION[4] is available for use, other regions are reserved for the system. RRAM word size : 128 bits per wordline Maximum write buffer size : 32

Register overview

Register	Offset	TZ	Description
TASKS_WAKEUP	0x000		Wakeup the RRAM from low power mode
TASKS_CLRWRITEBUF	0x004		Clear internal write-buffer
TASKS_COMMITWRITEBUF	0x008		Commits the data stored in internal write-buffer to RRAM
SUBSCRIBE_WAKEUP	0x080		Subscribe configuration for task WAKEUP
SUBSCRIBE_CLRWRITEBUF	0x084		Subscribe configuration for task CLRWRITEBUF
SUBSCRIBE_COMMITWRITEBUF	0x088		Subscribe configuration for task COMMITWRITEBUF
EVENTS_WOKENUP	0x100		RRAMC is woken up from low power mode
EVENTS_READY	0x104		RRAMC is ready
EVENTS_READYNEXT	0x108		Ready to accept a new write operation
EVENTS_ACCESSERROR	0x10C		RRAM access error
PUBLISH_WOKENUP	0x180		Publish configuration for event WOKENUP
INTEN	0x300		Enable or disable interrupt
INTENSET	0x304		Enable interrupt
INTENCLR	0x308		Disable interrupt
INTPEND	0x30C		Pending interrupts
READY	0x400		RRAMC ready status
READYNEXT	0x404		Ready next flag
ACCESSERRORADDR	0x408		Address of the first access error
BUFSTATUS.WRITEBUFEMPTY	0x418		Internal write-buffer is empty
ECC.ERRORADDR	0x420		Address of the first ECC error that could not be corrected
CONFIG	0x500		Configuration register
READYNEXTTIMEOUT	0x50C		Configuration for ready next timeout counter, in units of AXI clock frequency
POWER.CONFIG	0x510		Power configuration
POWER.LOWPOWERCONFIG	0x518		Low power mode configuration
ERASE.ERASEALL	0x540		Erase RRAM, including UICR All information in SICR, including keys, are also erased
REGION[n].ADDRESS	0x550		Region address
REGION[n].CONFIG	0x554		Region configuration

4.2.6.7.1 TASKS_WAKEUP

Address offset: 0x000

Wakeup the RRAM from low power mode

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	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	0	0
ID	R/W	Field	Value ID		Value		Description																																				
A	W	TASKS_WAKEUP					Wakeup the RRAM from low power mode																																				
			Trigger		1		Trigger task																																				