

Register overview

Register	Offset	TZ	Description
TASKS_XOSTART	0x000		Start crystal oscillator (HFXO)
TASKS_XOSTOP	0x004		Stop crystal oscillator (HFXO)
TASKS_PLLSTART	0x008		Start PLL and keep it running, regardless of the automatic clock requests
TASKS_PLLSTOP	0x00C		Stop PLL
TASKS_LFCLKSTART	0x010		Start LFCLK source as selected in LFCLK.SRC
TASKS_LFCLKSTOP	0x014		Stop LFCLK source
TASKS_CAL	0x018		Start calibration of LFRC oscillator
TASKS_XOTUNE	0x01C		Request tuning for HFXO
TASKS_XOTUNEABORT	0x020		Abort tuning for HFXO
SUBSCRIBE_XOSTART	0x080		Subscribe configuration for task XOSTART
SUBSCRIBE_XOSTOP	0x084		Subscribe configuration for task XOSTOP
SUBSCRIBE_PLLSTART	0x088		Subscribe configuration for task PLLSTART
SUBSCRIBE_PLLSTOP	0x08C		Subscribe configuration for task PLLSTOP
SUBSCRIBE_LFCLKSTART	0x090		Subscribe configuration for task LFCLKSTART
SUBSCRIBE_LFCLKSTOP	0x094		Subscribe configuration for task LFCLKSTOP
SUBSCRIBE_CAL	0x098		Subscribe configuration for task CAL
EVENTS_XOSTARTED	0x100		Crystal oscillator has started
EVENTS_PLLSTARTED	0x104		PLL started
EVENTS_LFCLKSTARTED	0x108		LFCLK source started
EVENTS_DONE	0x10C		Calibration of LFRC oscillator complete event
EVENTS_XOTUNED	0x110		HFXO tuning is done. XOTUNED is generated after TASKS_XOSTART or after TASKS_XOTUNE has completed
EVENTS_XOTUNEERROR	0x114		HFXO quality issue detected, XOTUNE is needed
EVENTS_XOTUNEFALIED	0x118		HFXO tuning could not be completed
INTEN	0x300		Enable or disable interrupt
INTENSET	0x304		Enable interrupt
INTENCLR	0x308		Disable interrupt
INTPEND	0x30C		Pending interrupts
XO.RUN	0x408		Indicates that XOSTART task was triggered
XO.STAT	0x40C		XO status
PLL.RUN	0x428		Indicates that PLLSTART task was triggered
PLL.STAT	0x42C		Which PLL settings were selected when triggering START task
LFCLK.SRC	0x440		Clock source for LFCLK
LFCLK.RUN	0x448		Indicates that LFCLKSTART task was triggered
LFCLK.STAT	0x44C		Copy of LFCLK.SRCCOPY register, set when LFCLKSTARTED event is triggered.
LFCLK.SRCCOPY	0x450		Copy of LFCLK.SRC register, set when LFCLKSTART task is triggered

5.4.3.1 TASKS_XOSTART

Address offset: 0x000

Start crystal oscillator (HFXO)

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_XOSTART					Start crystal oscillator (HF XO)																																				
			Trigger		1		Trigger task																																				