

Register	Offset	TZ	Description
EVENTS_DMA.TX.READY	0x16C		Generated when EasyDMA has buffered the .PTR and .MAXCNT registers for the channel, allowing them to be written to prepare for the next sequence.
EVENTS_DMA.TX.BUSERROR	0x170		An error occurred during the bus transfer.
PUBLISH_END	0x184		Publish configuration for event END
PUBLISH_ACQUIRED	0x198		Publish configuration for event ACQUIRED
PUBLISH_DMA.RX.END	0x1CC		Publish configuration for event END
PUBLISH_DMA.RX.READY	0x1D0		Publish configuration for event READY
PUBLISH_DMA.RX.BUSERROR	0x1D4		Publish configuration for event BUSERROR
PUBLISH_DMA.RX.MATCH[n]	0x1D8		Publish configuration for event MATCH[n]
PUBLISH_DMA.TX.END	0x1E8		Publish configuration for event END
PUBLISH_DMA.TX.READY	0x1EC		Publish configuration for event READY
PUBLISH_DMA.TX.BUSERROR	0x1F0		Publish configuration for event BUSERROR
SHORTS	0x200		Shortcuts between local events and tasks
INTENSET	0x304		Enable interrupt
INTENCLR	0x308		Disable interrupt
SEMSTAT	0x400		Semaphore status register
STATUS	0x440		Status from last transaction
ENABLE	0x500		Enable SPI slave
CONFIG	0x554		Configuration register
DEF	0x55C		Default character. Character clocked out in case of an ignored transaction.
ORC	0x5C0		Over-read character
PSEL.SCK	0x600		Pin select for SCK
PSEL.MISO	0x604		Pin select for SDO signal
PSEL.MOSI	0x608		Pin select for SDI signal
PSEL.CSN	0x610		Pin select for CSN signal
DMA.RX.PTR	0x704		RAM buffer start address
DMA.RX.MAXCNT	0x708		Maximum number of bytes in channel buffer
DMA.RX.AMOUNT	0x70C		Number of bytes transferred in the last transaction, updated after the END event. Also updated after each MATCH event.
DMA.RX.TERMINATEONBUSERROR	0x71C		Terminate the transaction if a BUSERROR event is detected.
DMA.RX.BUSERRORADDRESS	0x720		Address of transaction that generated the last BUSERROR event.
DMA.RX.MATCH.CONFIG	0x724		Configure individual match events
DMA.RX.MATCH.CANDIDATE[n]	0x728		The data to look for - any match will trigger the MATCH[n] event, if enabled.
DMA.TX.PTR	0x73C		RAM buffer start address
DMA.TX.MAXCNT	0x740		Maximum number of bytes in channel buffer
DMA.TX.AMOUNT	0x744		Number of bytes transferred in the last transaction, updated after the END event. Also updated after each MATCH event.
DMA.TX.TERMINATEONBUSERROR	0x754		Terminate the transaction if a BUSERROR event is detected.
DMA.TX.BUSERRORADDRESS	0x758		Address of transaction that generated the last BUSERROR event.

8.20.7.1 TASKS_ACQUIRE

Address offset: 0x014

Acquire SPI semaphore

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	TASKS_ACQUIRE						Acquire SPI semaphore																											
			Trigger	1				Trigger task																											