Access	Description	Hardware behavior
R	Read only	Field can only be read. A write will be ignored.
W	Write only	Field can only be written. A read will return an undefined value.
RW	Read/write	Field can be read and written multiple times.
W1	Write once	Field can only be written once per reset. Any subsequent write will be ignored. A read will return an undefined value.
RW1	Read/write once	Field can be read multiple times, but only written once per reset. Any subsequent write will be ignored.
W0C	Write 0 to clear	Field can be read multiple times. A zero clears (set to zero) the corresponding bit in the register. Bits set to one are ignored.
W1C	Write 1 to clear	Field can be read multiple times. A one clears (set to zero) the corresponding bit in the register. Bits set to zero are ignored.
W1S	Write 1 to set	Field can be read multiple times. A one sets the corresponding bit in the register. Bits set to zero are ignored.
RME	Read Modify External	When read, a side effect occurs.

Table 5: Register field permission schemes

2.5 Registers

Register overview

Register	Offset	TZ	Description
DUMMY	0x514		Example of a register controlling a dummy feature

2.5.1 DUMMY

Address offset: 0x514

Example of a register controlling a dummy feature

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	J I H G F E D D D C C C B A A
Reset 0x00050002	**0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0**

ID	R/W	Field	Value ID	Value	Description
A	RW	FIELD0			Example of a read-write field with several enumerated values
			Disabled	0	The example feature is disabled
			NormalMode	1	The example feature is enabled in normal mode
			ExtendedMode	2	The example feature is enabled along with extra functionality
B	RW	FIELD1			Example of a deprecated read-write field
					This field is deprecated.
			Disabled	0	The override feature is disabled
			Enabled	1	The override feature is enabled
C	RW	FIELD2			Example of a read-write field with a valid range of values
			ValidRange	[2..7]	Example of allowed values for this field
D	RW	FIELD3			Example of a read-write field with no restriction on the values
E	R	FIELD4			Example of a read-only field
F	W	FIELD5			Example of a write-only field
G	RW W1C	FIELD6			Example of a write-one-to-clear field
H	RW W0C	FIELD7			Example of a write-zero-to-clear field

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