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	D D D D D D D D D D D D D D D D C C C C B A
Reset 0x00000010	**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 1 0 0 0 0**

ID	R/W	Field	Value ID	Value	Description
C	RW	WRITEPROTECTION			The write protection must be cleared to allow updates to the VALUE field.
					The write protection is cleared by writing CLEAR in a separate write operation prior to updating the VALUE and LOCK fields.
					The write protection is automatically enabled after the corresponding change to the VALUE field.
			Disabled	0x0	Read: Write protection is disabled.
			Enabled	0x1	Read: Write protection is enabled.
			Clear	0xF	Write: Value to clear write protection.
D	W	KEY			Required write key for upper 16 bits. Must be included in all register write operations.
			KEY	0x50FA	Write key value.

7.8.6.6.18 PROTECT.AP[n].DBGEN.STATUS (n=0..0)

Address offset: 0x704 + (n × 0x10)

Status register for invasive (halting) debug enable for domain ns access port.

> **Note:** Unless cleared, the STATUS register will be cumulative. A field is cleared by writing '1' to it.

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**

ID	R/W	Field	Value ID	Value	Description
A	RW W1C	ERROR			Error detection status.
			NoError	0	No error detected.
			Error	1	Error detected.

7.8.6.6.19 PROTECT.ACTIVESHIELD

Enable active shield detector.

The active shield pins are dedicated GPIO pins that must be configured as inputs and outputs before use. Each active shield channel has one GPIO for output and one GPIO for input.

7.8.6.6.19.1 PROTECT.ACTIVESHIELD.CTRL

Address offset: 0x900

Control register for active shield detector enable signal.

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	D D D D D D D D D D D D D D D D C C C C B A
Reset 0x00000010	**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 1 0 0 0 0**

ID	R/W	Field	Value ID	Value	Description
A	RW	VALUE			Set value of active shield enable signal.
			Low	0	Signal is logic 0.
			High	1	Signal is logic 1.
B	W1 W1S	LOCK			Lock this register to prevent changes to the VALUE field until next reset.

NORDIC SEMICONDUCTOR