

### 16.6.11 ADC regular sequence register 1 (ADC\_SQR1)

Address offset: 0x30

Reset value: 0x0000 0000

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
Res.	Res.	Res.	SQ4[4:0]					Res.	SQ3[4:0]					Res.	SQ2[4]
			rw	rw	rw	rw	rw		rw	rw	rw	rw	rw		rw
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
SQ2[3:0]			Res.	SQ1[4:0]					Res.	Res.	L[3:0]				
rw	rw	rw	rw		rw	rw	rw	rw	rw			rw	rw	rw	rw

Bits 31:29 Reserved, must be kept at reset value.

Bits 28:24 **SQ4[4:0]**: 4th conversion in regular sequence

These bits are written by software with the channel number (0..18) assigned as the 4th in the regular conversion sequence.

*Note: The software is allowed to write these bits only when ADSTART=0 (which ensures that no regular conversion is ongoing).*

Bit 23 Reserved, must be kept at reset value.

Bits 22:18 **SQ3[4:0]**: 3rd conversion in regular sequence

These bits are written by software with the channel number (0..18) assigned as the 3rd in the regular conversion sequence.

*Note: The software is allowed to write these bits only when ADSTART=0 (which ensures that no regular conversion is ongoing).*

Bit 17 Reserved, must be kept at reset value.

Bits 16:12 **SQ2[4:0]**: 2nd conversion in regular sequence

These bits are written by software with the channel number (0..18) assigned as the 2nd in the regular conversion sequence.

*Note: The software is allowed to write these bits only when ADSTART=0 (which ensures that no regular conversion is ongoing).*

Bit 11 Reserved, must be kept at reset value.

Bits 10:6 **SQ1[4:0]**: 1st conversion in regular sequence

These bits are written by software with the channel number (0..18) assigned as the 1st in the regular conversion sequence.

*Note: The software is allowed to write these bits only when ADSTART=0 (which ensures that no regular conversion is ongoing).*

Bits 5:4 Reserved, must be kept at reset value.

Bits 3:0 **L[3:0]**: Regular channel sequence length

These bits are written by software to define the total number of conversions in the regular channel conversion sequence.

0000: 1 conversion  
0001: 2 conversions

...  
1111: 16 conversions

*Note: The software is allowed to write these bits only when ADSTART=0 (which ensures that no regular conversion is ongoing).*