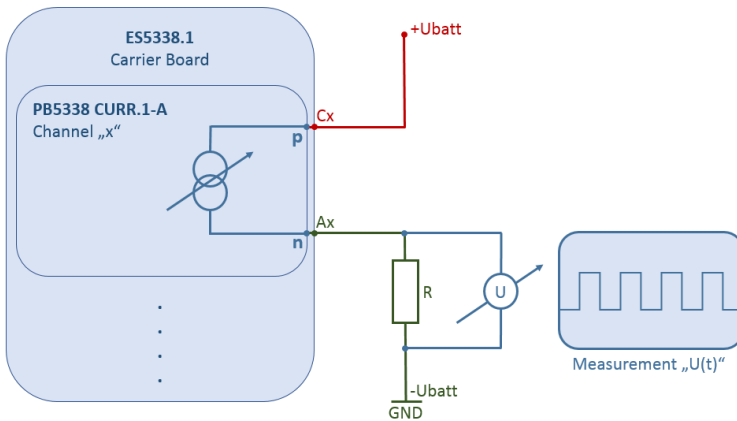![ETAS logo] DRIVING EMBEDDED EXCELLENCE

Question:

How to measure signals generated by the ES5338?

Answer:

The picture below shows possible external connections for measurement of signals generated by ES5338:

You need an external power supply (+Ubatt) and a pull-down resistor, a value of 1kΩ should fit.

A	Signal	B	Signal	C	Signal
24-32	n.c.	24-32	n.c.	24-32	n.c.
23	Curr 5 n	23	Reference 5	23	Curr 5 p
22	n.c.	22	n.c.	22	n.c.
21	n.c.	21	n.c.	21	n.c.
20	n.c.	20	n.c.	20	n.c.
19	Curr 4 n	19	Reference 4	19	Curr 4 p
18	n.c.	18	n.c.	18	n.c.
17	n.c.	17	n.c.	17	n.c.
16	n.c.	16	n.c.	16	n.c.
15	Curr 3n	15	Reference 3	15	Curr 3p
14	n.c.	14	n.c.	14	n.c.
13	n.c.	13	n.c.	13	n.c.
12	n.c.	12	n.c.	12	n.c.
11	Curr 2 n	11	Reference 2	11	Curr 2 p
10	n.c.	10	n.c.	10	n.c.
9	n.c.	9	n.c.	9	n.c.
8	n.c.	8	n.c.	8	n.c.
7	Curr 1 n	7	Reference 1	7	Curr 1 p
6	n.c.	6	n.c.	6	n.c.
5	n.c.	5	n.c.	5	n.c.
4	n.c.	4	n.c.	4	n.c.
3	Curr 0 n	3	Reference 0	3	Curr 0 p
2	n.c.	2	n.c.	2	n.c.
1	n.c.	1	n.c.	1	n.c.

+Ubatt max. <= 56V.

Additional information:

This FAQ was intended for the ES5338 but it is the same for the ES1337.
Please keep in mind that the ES1337 has a current interface and not a voltage interface.
And the wheel sensors provide the voltage for the sensor simulation.
The circuit at the ES1337 is passive and needs the external voltage.

In case of further questions:

Please feel free to contact our Support Center, if you have further questions.
Here you can find all information: http://www.etas.com/en/hotlines.php?langS=true&