

INTRODUCTORY DESCRIPTION

iC-LNB features a fast 18 bit serial shift register to read out the absolute position data. To get this shift register SSI conform a microcontroller is recommended. The circuit example (Figure 1) shows the MCU connected direct to the shift register pins of iC-LNB. The circuit sets the NSL pin of iC-LNB in the required time and add a timeout (T monoflop) after the position data.

SSI INTERFACE CIRCUIT EXAMPLE

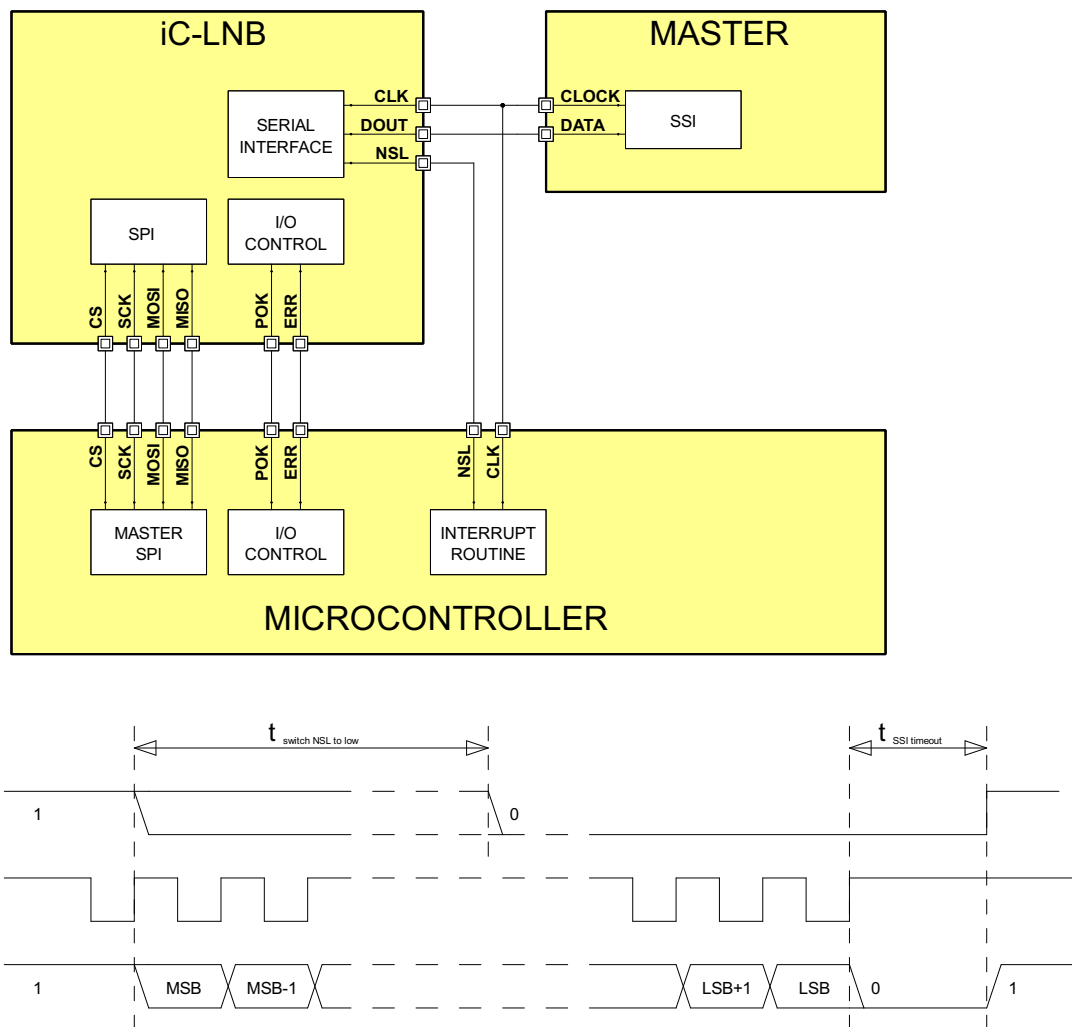


Figure 1: Circuit example SSI interface

MICROCONTROLLER IMPLEMENTATION

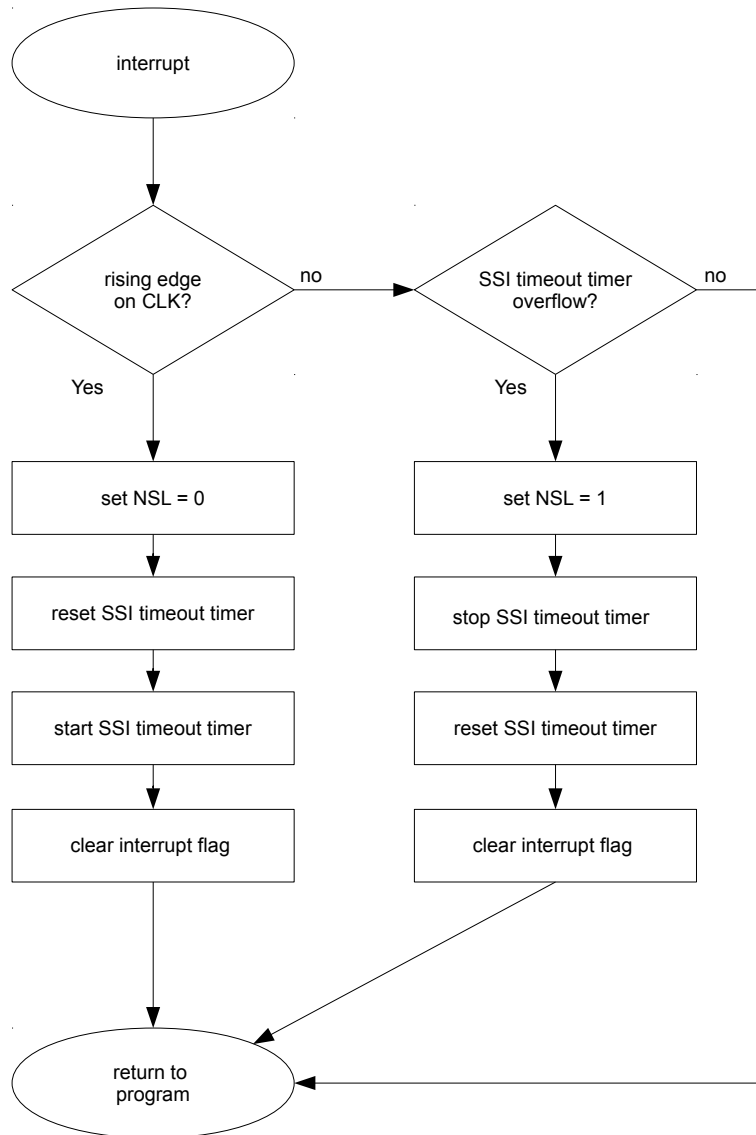


Figure 2: MCU flow chart

iC-LNB AN1

SSI INTERFACE CIRCUIT EXAMPLE



Rev A1, Page 3/3

REVISION HISTORY

Rel	Rel.Date	Chapter	Modification	Page
A1	14-09-17		Initial release	all

iC-Haus expressly reserves the right to change its products and/or specifications. An info letter gives details as to any amendments and additions made to the relevant current specifications on our internet website www.ichaus.de/infoletter; this letter is generated automatically and shall be sent to registered users by email.

Copying – even as an excerpt – is only permitted with iC-Haus' approval in writing and precise reference to source.

iC-Haus does not warrant the accuracy, completeness or timeliness of the specification and does not assume liability for any errors or omissions in these materials.

The data specified is intended solely for the purpose of product description. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information/specification or the products to which information refers and no guarantee with respect to compliance to the intended use is given. In particular, this also applies to the stated possible applications or areas of applications of the product.

iC-Haus products are not designed for and must not be used in connection with any applications where the failure of such products would reasonably be expected to result in significant personal injury or death (*Safety-Critical Applications*) without iC-Haus' specific written consent. Safety-Critical Applications include, without limitation, life support devices and systems. iC-Haus products are not designed nor intended for use in military or aerospace applications or environments or in automotive applications unless specifically designated for such use by iC-Haus.

iC-Haus conveys no patent, copyright, mask work right or other trade mark right to this product. iC-Haus assumes no liability for any patent and/or other trade mark rights of a third party resulting from processing or handling of the product and/or any other use of the product.