

The deviceaddress for the STANDARD-I2C interface is set to 0101101.

Diagram illustrating a circuit configuration with four capacitors (C401, C402, C403, C404) connected in a ladder network. The input voltage is $10V/X5R/10\%$ and the output voltage is $+5V0$. The capacitors are labeled with their values: C401 (100n), C402 (100n), C403 (10u), and C404 (10u). The circuit is grounded (GND) at the bottom. The output voltage is also labeled as $X5R/10V/10\%$.

CONFIG2=0:
alternate Pins usage
CONFIG2=1:
default Pins function

03

86

LD01:	100mA	unused
LD02:	100mA	unused
LD03:	100mA	unused
LD04:	250mA	"low noise" >1.6 unused
LD05:	250mA	"low noise" >1.6 unused
LD06:	100mA	unused
LD07:	300mA	unused
LD08:	100mA	unused
LD09:	300mA	AVDD: 2.8V
LD010:	300mA	VDD: 1.5V
DCDC1:	2500mA	(+1.8 V) (VINLD01P8)
DCDC2:	1600mA	(0-3.3V) for SPARE_PWR
DCDC3:	1600mA	(0-3.3V) for SPARE_PWR2
DCDC4:	2500mA	(DOVDD, VDDIO) 1.8V
SHORT LD04 Current Limit		
LD01, LD02, LD03, LD06, LD08	max. 420mA	
LD04, LD05 max.	650mA	
LD07 max.	750mA	
LD09, LD010 max.	750mA	

Diagram showing connections for pins TP401 through TP405:

- TP401: PWR_PWRHOLD_ON
- TP402: VDDIO
- TP403: VD_5P0_LLS0
- TP404: LD0A0
- TP405: VINLDO_1P8

8	LSI
9	LSI
8	LSO
9	LSO

7	VINDCDC4
7	VINDCDC4
4	VDCDC4
6	SW4
6	SW4

6	SW1
6	SW1
4	VCON_PWM
5	VCON_CLK

9	VINDCDC2
7	VDCDC2
9	SW2

9	VLD09
1	VLD010

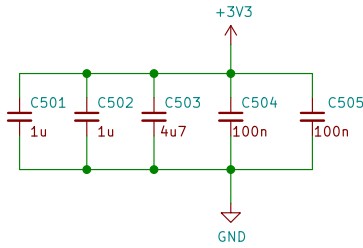
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A horizontal number line with arrows at both ends. There are 11 evenly spaced tick marks. The tick mark at the far right is labeled '10'. The tick mark that is 7 units from the left is labeled '7'.

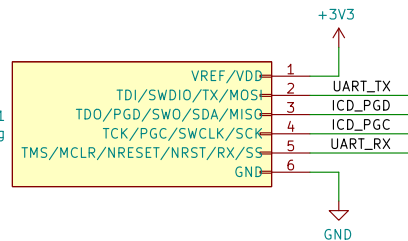
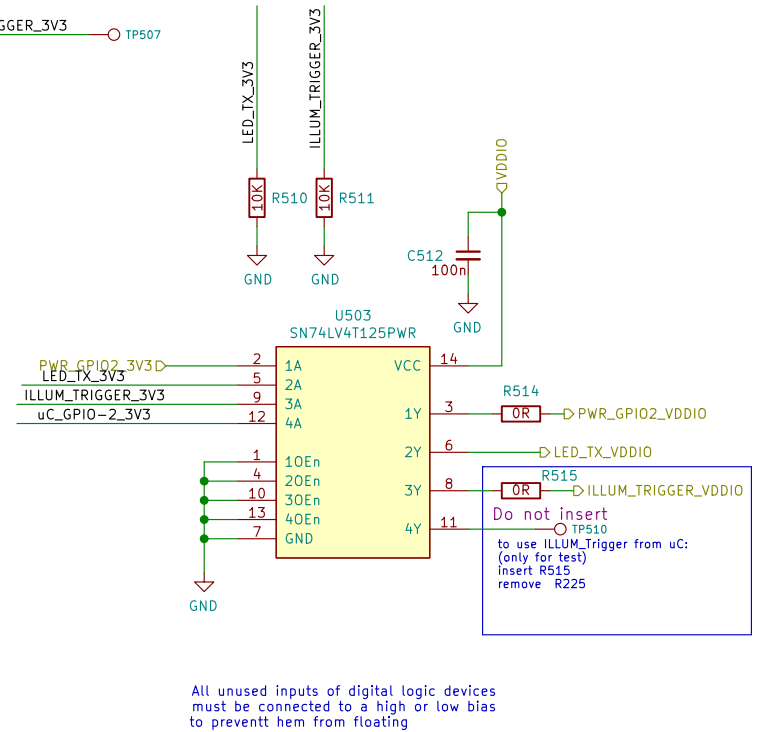
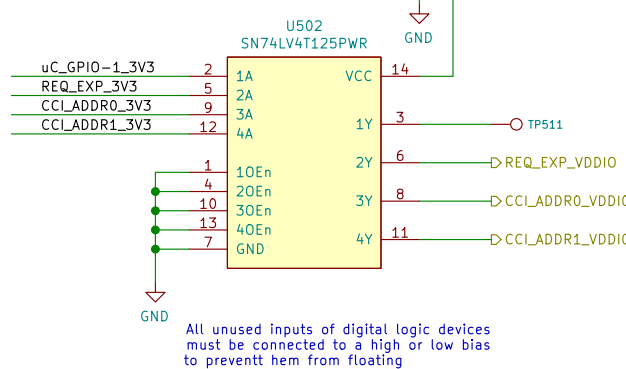
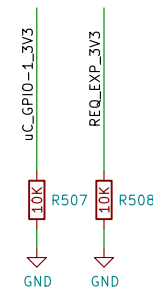
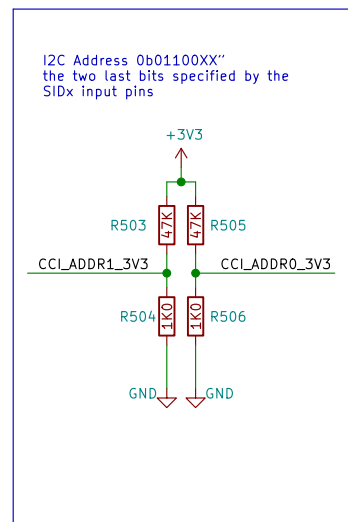
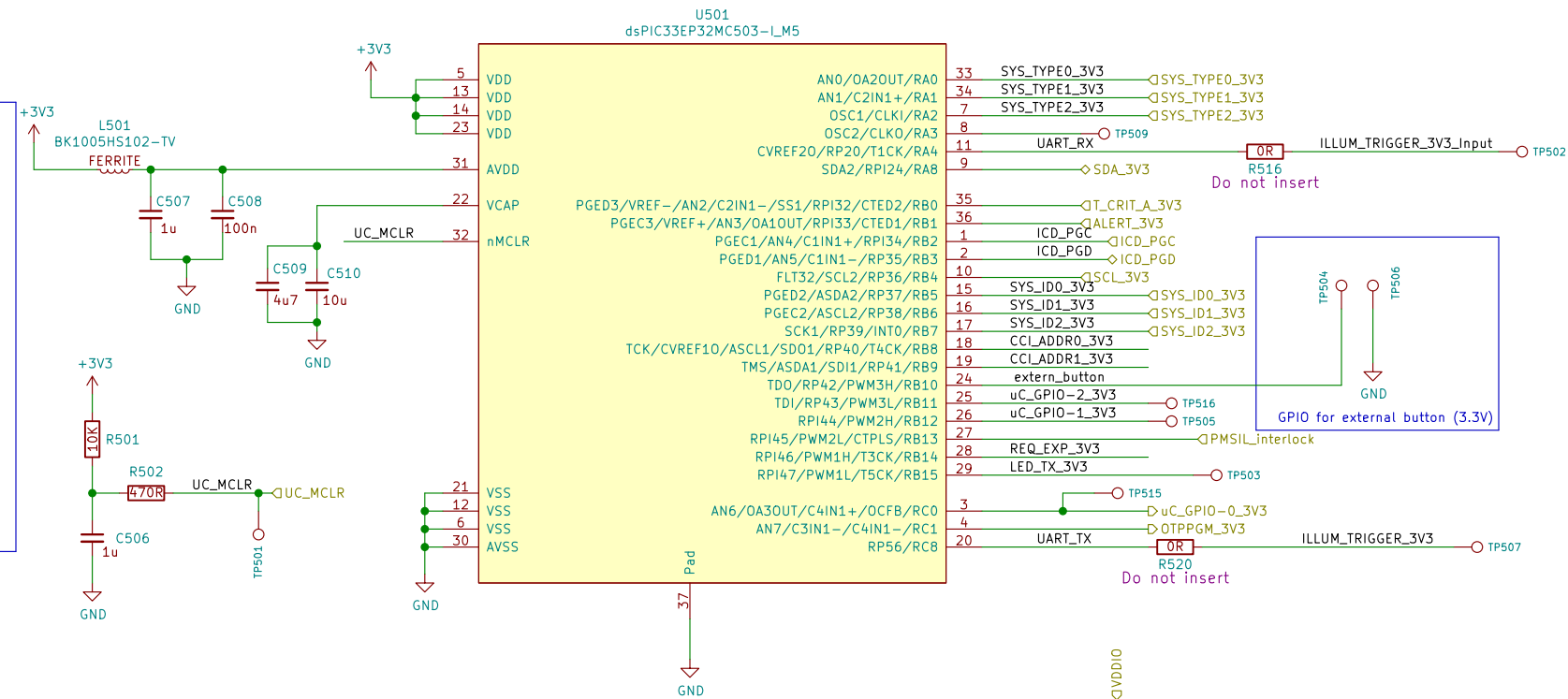


The microcontroller will be used with a standard firmware (same for all sensors) to do the following:

- * Programmable BoardID and serial number
- * User programmable non volatile memory
- * GPIO expander
- * External sync generator (FRAME_REQ and FRAME_TRIGGER)

Important information:

- * The microcontroller is active, even if PMIC is switched off
- * This allows autodetection of connected sensor by the application software

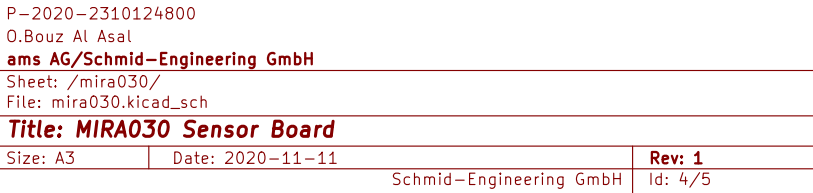


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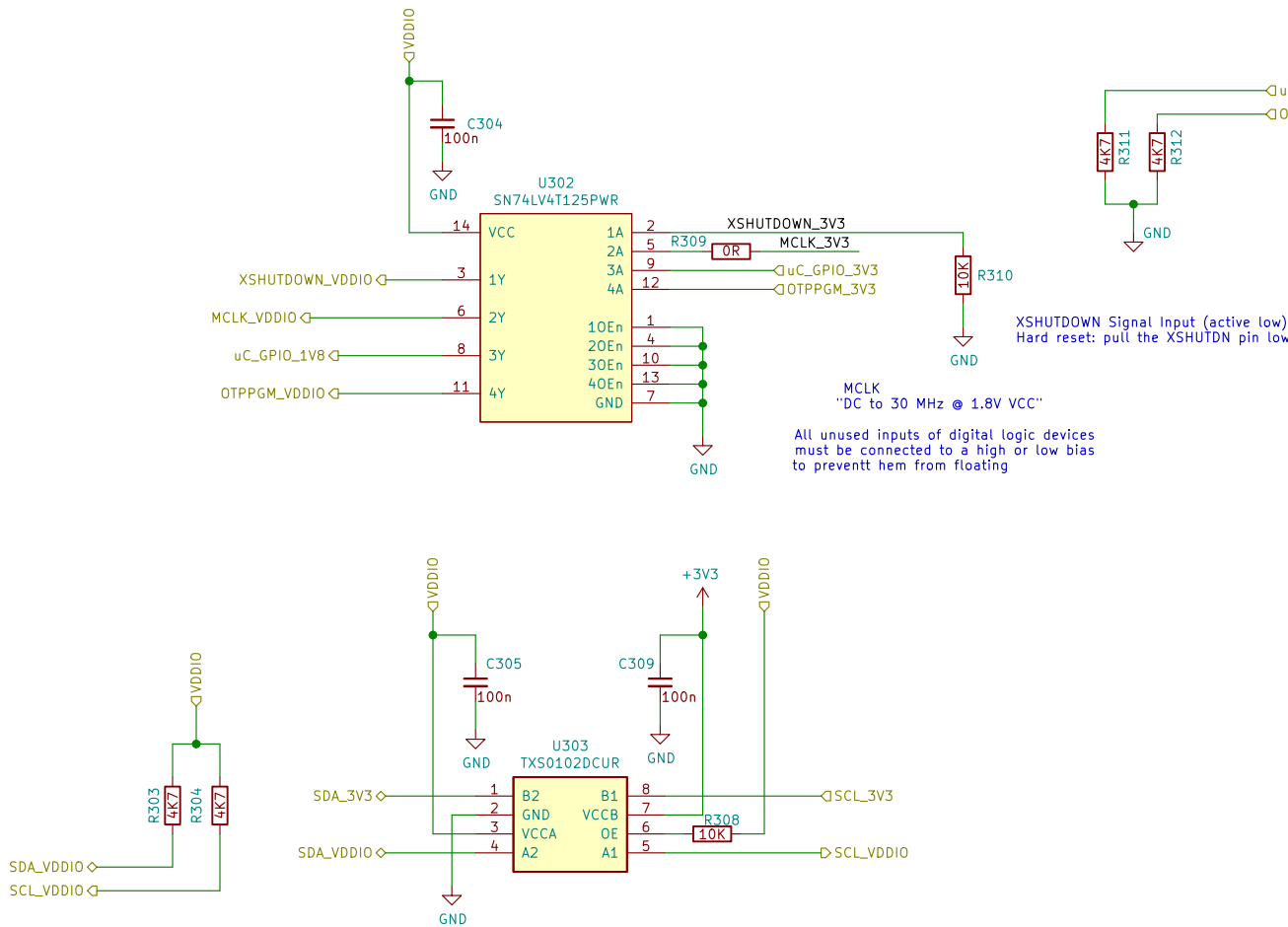
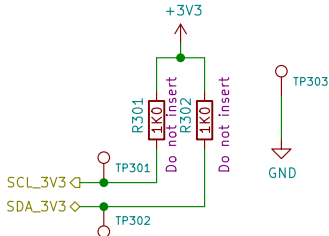
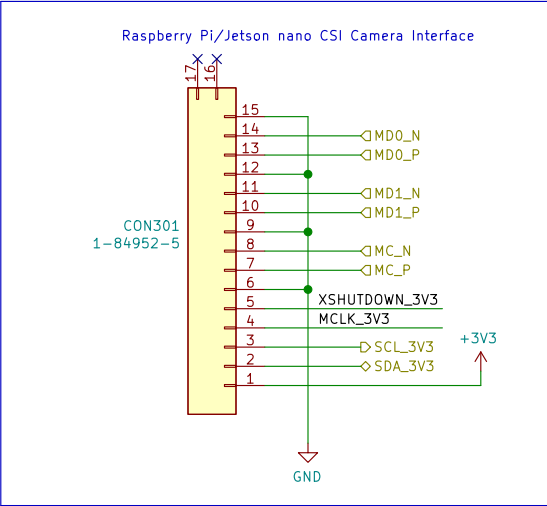
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Size: A3 Date: 2020-11-11

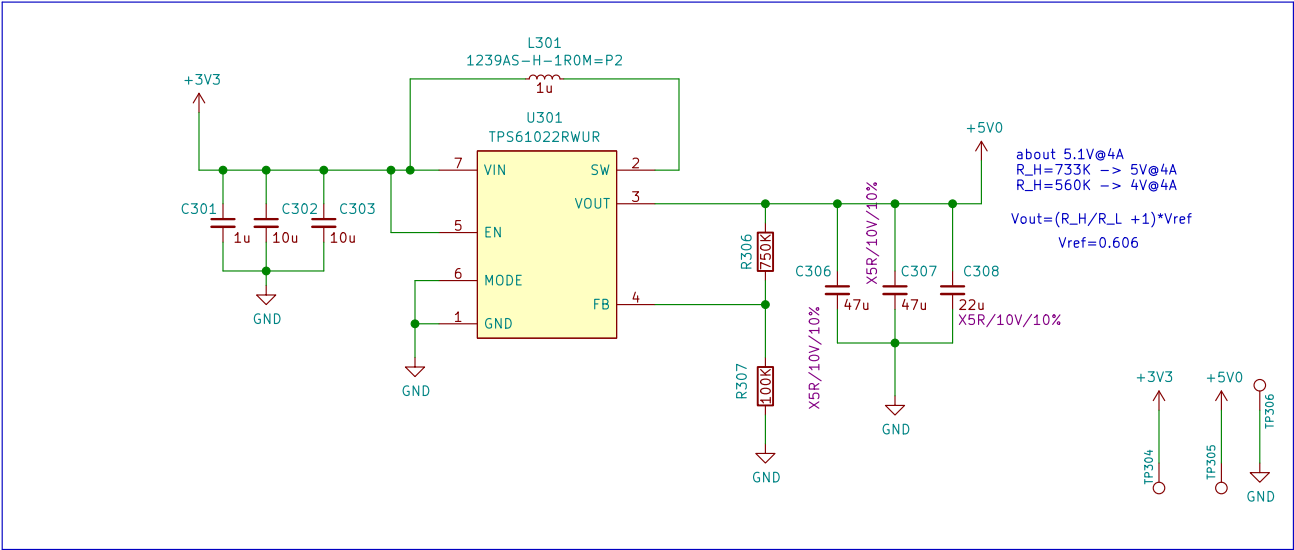
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Connector and main Power



A-port supply voltage. $1.65V \leq VCCA \leq 3.6V$ and $VCCA \leq VCCB$



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Rev: 1

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