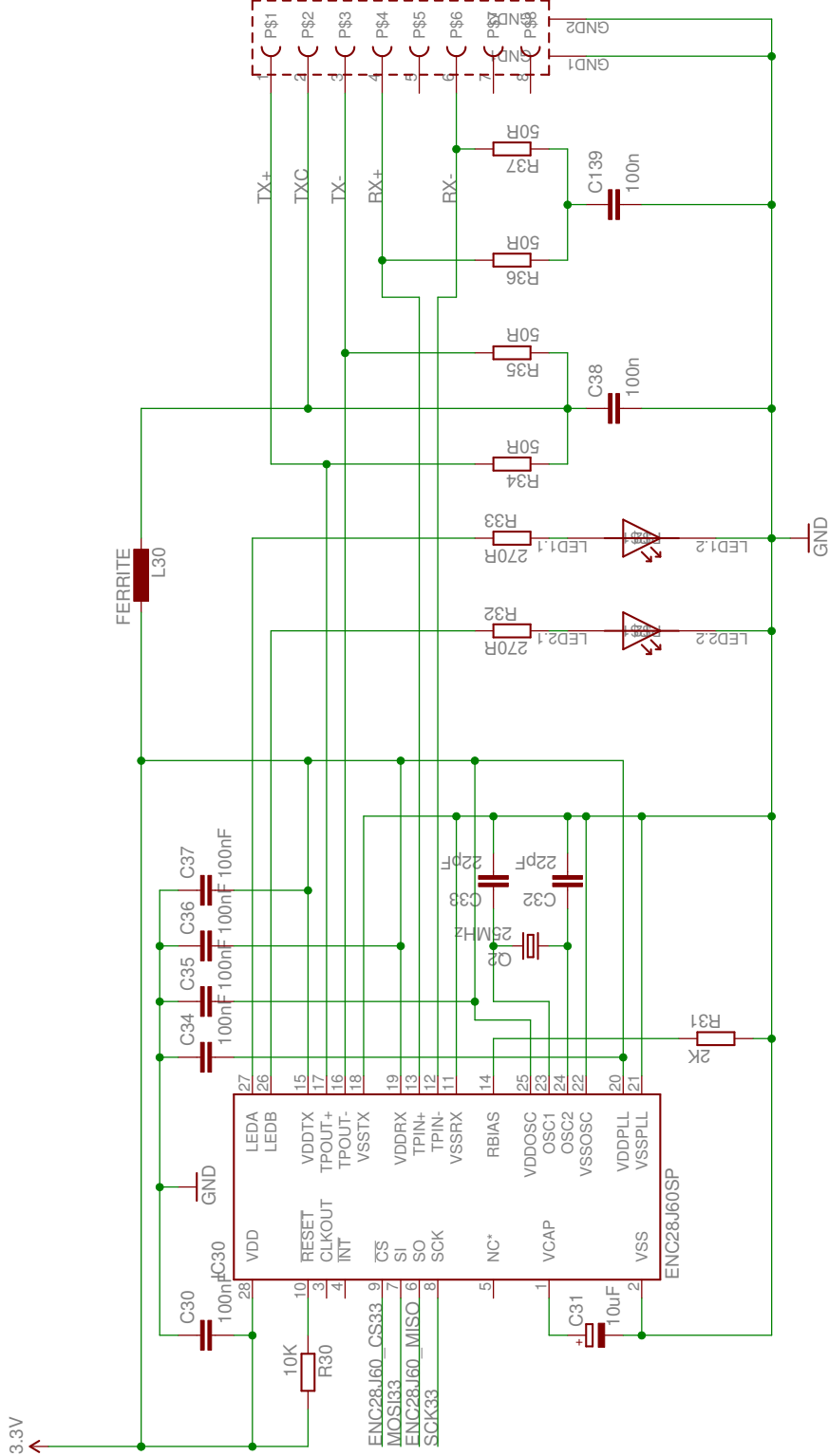


3. Ethernet



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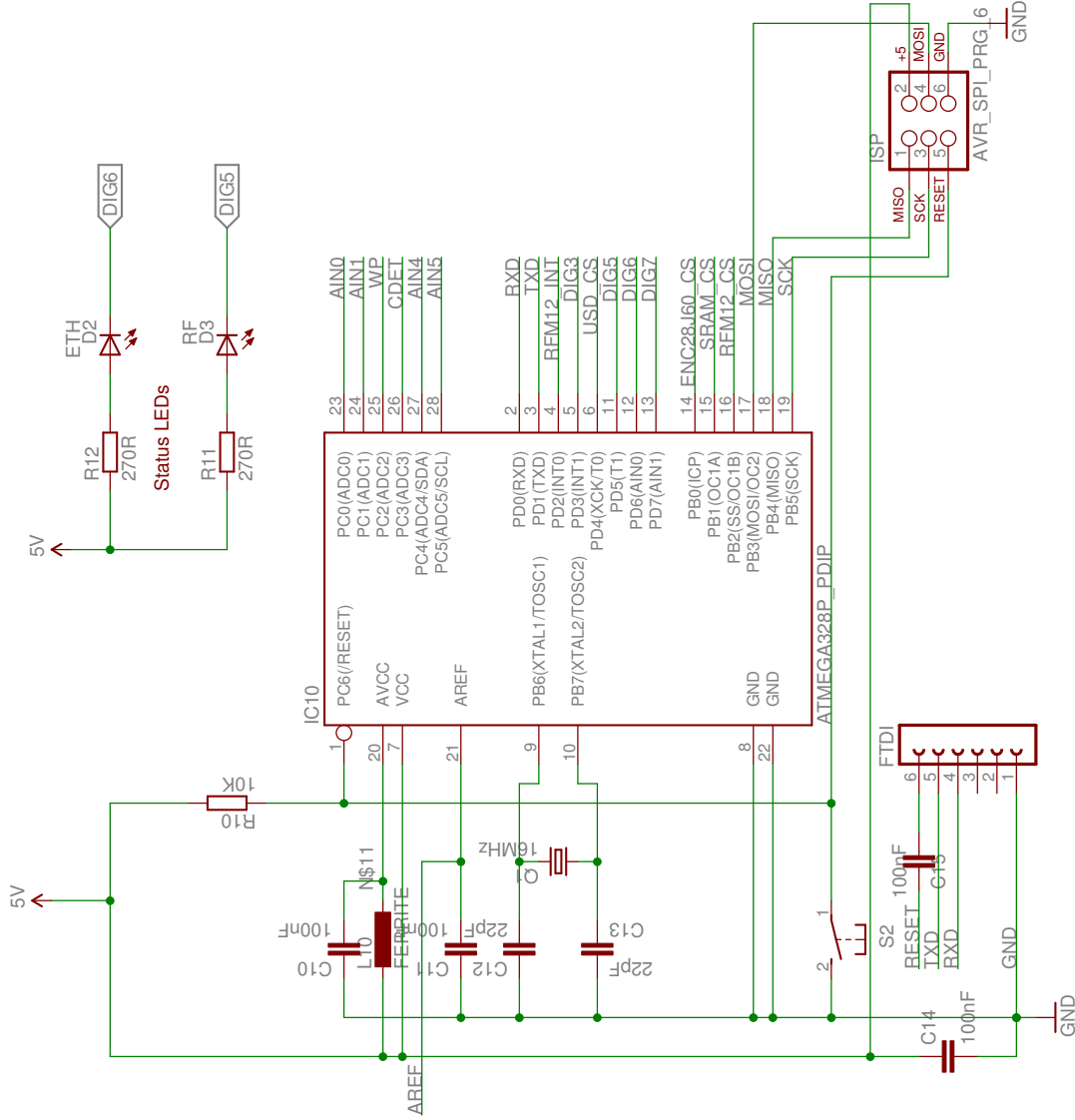
TITLE: AGW_3
Changes of the schematic against original and board design by GKR

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1. CPU



Changes against Nanode Gateway v7.2 :

No pinheaders for I/O

RJ45 MagJack compatible

All possible parts pin through

New board design

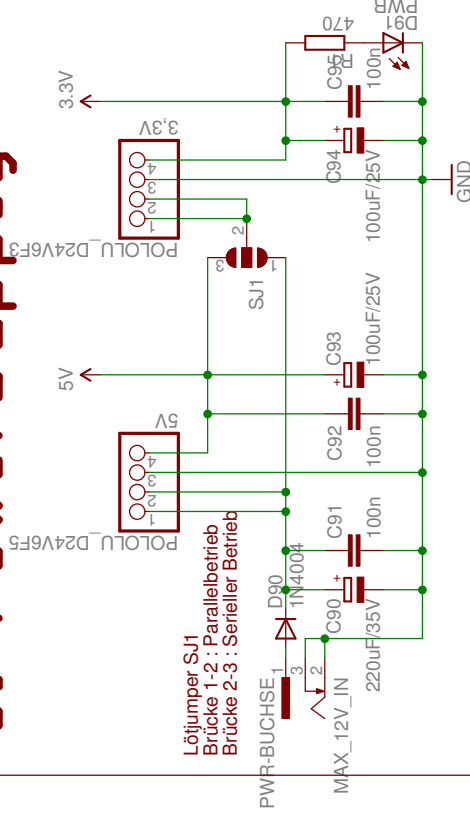
Die Benutzung, der Nachbau und der Betrieb der Schaltung in diesem Schaltplan geschieht auf eigene Gefahr.

Obwohl der Schaltplan nach bestem Wissen erstellt worden ist, kann er trotzdem Fehler enthalten.

Ein Nachbau und Test dieser Schaltung zeigte die erwartete Funktionalität.

Für den Nachbau dieser Schaltung und die Einhaltung der zuständigen Vorschriften ist der jeweilige Errichter verantwortlich.

9. Powersupply



Arduino Gateway Webserver w. Ethernet and RFM12B

Gateway between ethernet and wireless sensor modules

This Gateway is based upon Nanode Gateway v7.2
<http://isolderpad.com/vicacuo/nanode-gateway-v7-2/>
The gateway is powered with 5V. It is used with a 16 MHz crystal.
It is software compatible with Arduino Uno with Atmega328, 16MHz, 5V.
There are no GPIOs to pin headers available.

Features :

Status LED 1 selected by DIG5

Status LED 2 selected by DIG6

on I2C-Bus

DS1307 RTC - interrupts on DIG3

on one wire bus with DIG7 or I2C-Bus

MAC EEPROM selected by DIG 7 or I2C

on SPI-Bus

uSD selected by DIG4

ENC28J60 selected by DIG 8

SRAM selected by DIG 9

RFM12B Wireless Module selected by DIG 10

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TITLE: AGW_3

Changes of the schematic against original and board design by GKR

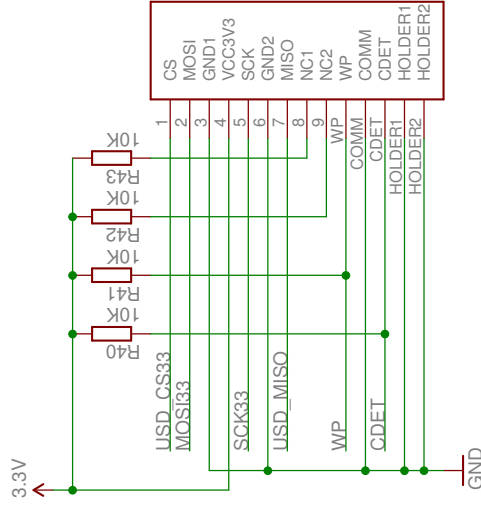
Document Number:

REV:

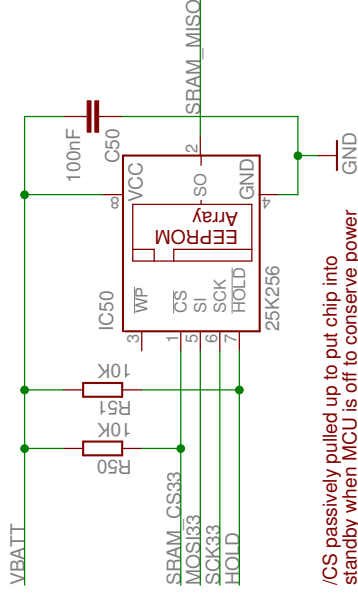
Date: 21.06.14 14:00

Sheet: 1/1

4. SD-Card



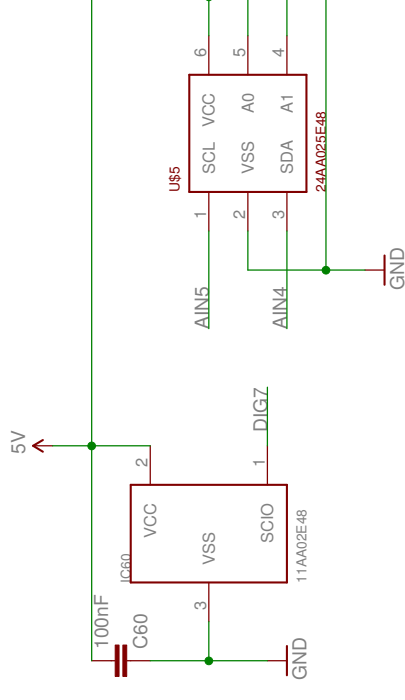
5. SRAM



/CS passively pulled up to put chip into standby when MCU is off to conserve power

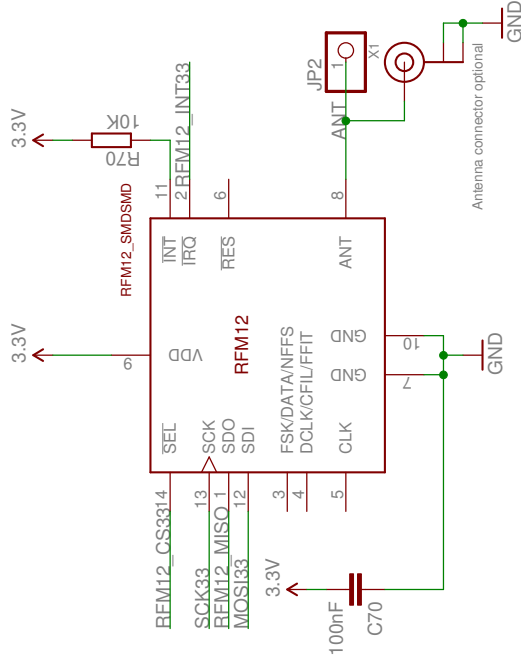
6. MAC-EEProm

insert only 11AA02E48 or 24AA025E48 with different Software

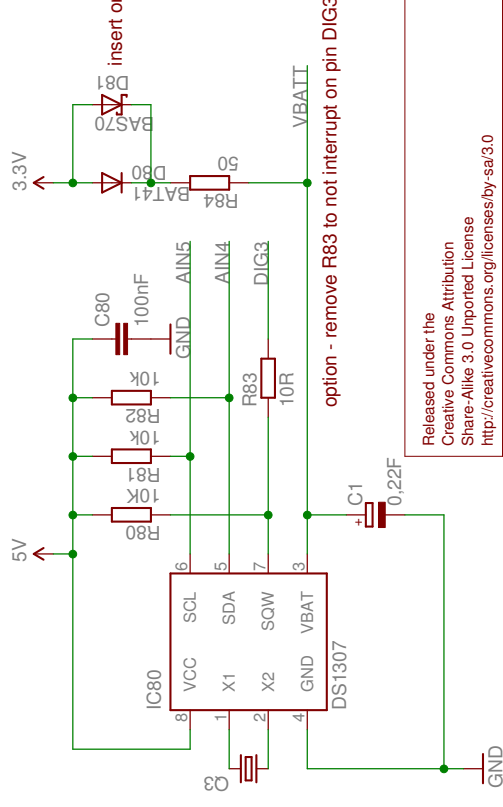


7. RFM12B

No Connection to /INT pin on purpose



8. RTC



option - remove R83 to not interrupt on pin DIG3

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TITLE: AGW_3

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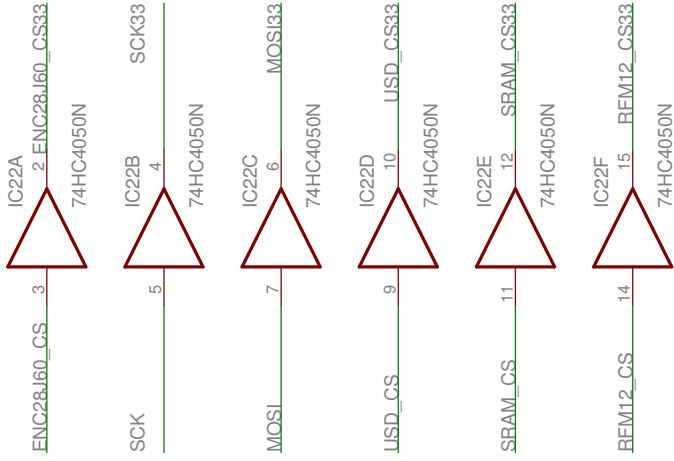
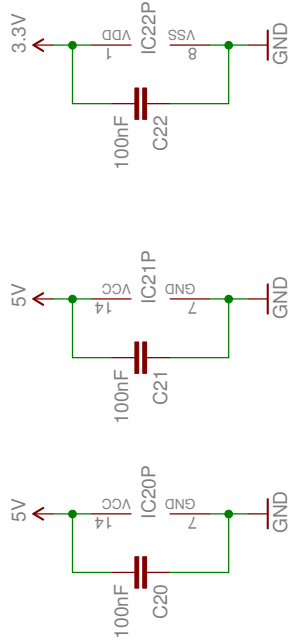
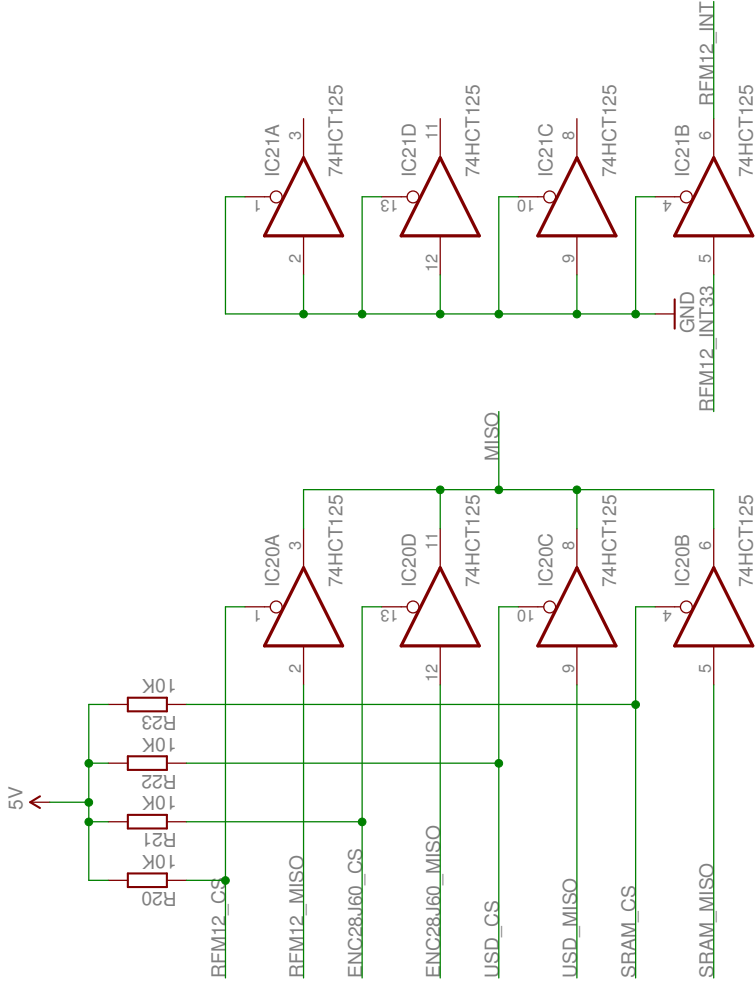
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2. Levelshifter



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