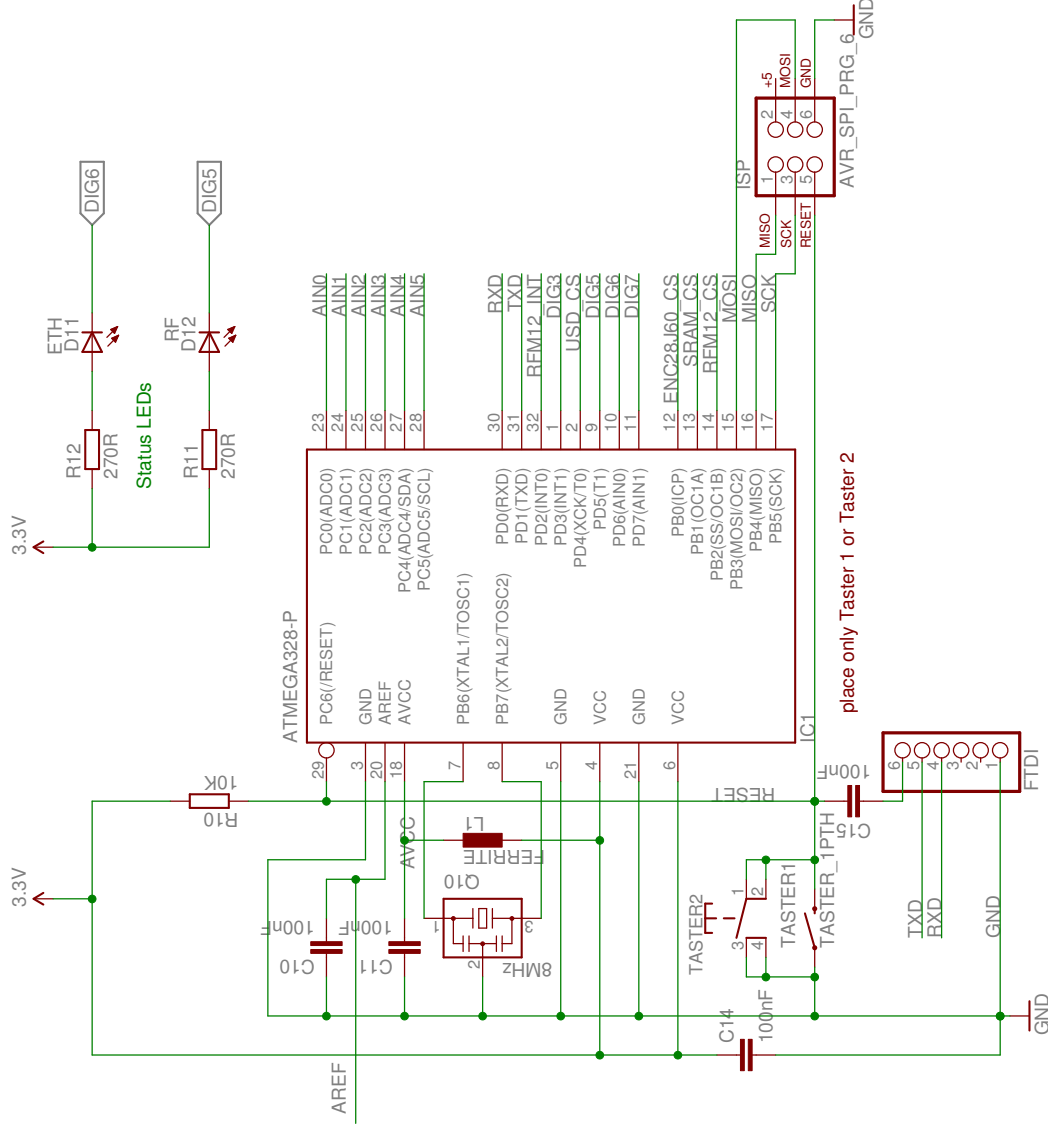


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## Changes against Nanode Gateway v7.2 :

## No pinheaders for I/O

RJ45 MagJack compatible

All possible parts SMT no level shifter

New board design, only 3.3V powersupply

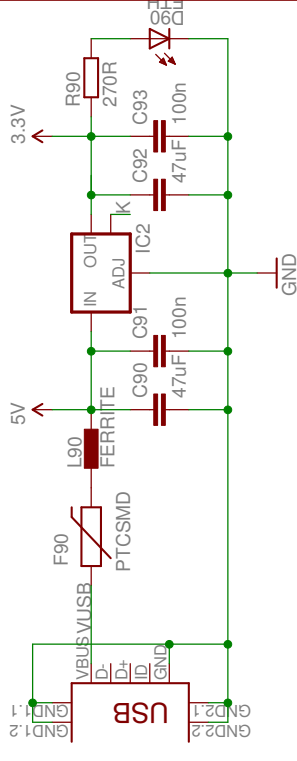
new board design, only 3,3V power supply

Die Benutzung, der Nachbau und der Betrieb der Schaltung in diesem Schaltplan geschnitten auf ein 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. Ein Nachbau und Test dieser Schaltung zeigle die erwartete Funktionalität.

## 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://solderpad.com/vicatcu/nanode-gateway-v7-2/>

The gateway is only powered with 3.3V. It is used with a 8 MHz resonator

It is compatible with arduino pro or pro mini with Atmega328 8MHz, 3.3V.

There are no GPIOs to pin headers available.

### Features :

Status LED 1 selected by DIG5

Status LED 2 selected by DIG6

On I2C-BUS  
DS1338Z 33 B7C on I2C BUS

DS1338Z-33 RIC on I2C-BUS

## On I2C-BUS or One Wire

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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<http://creativecommons.org/licenses/by-sa/3.0>

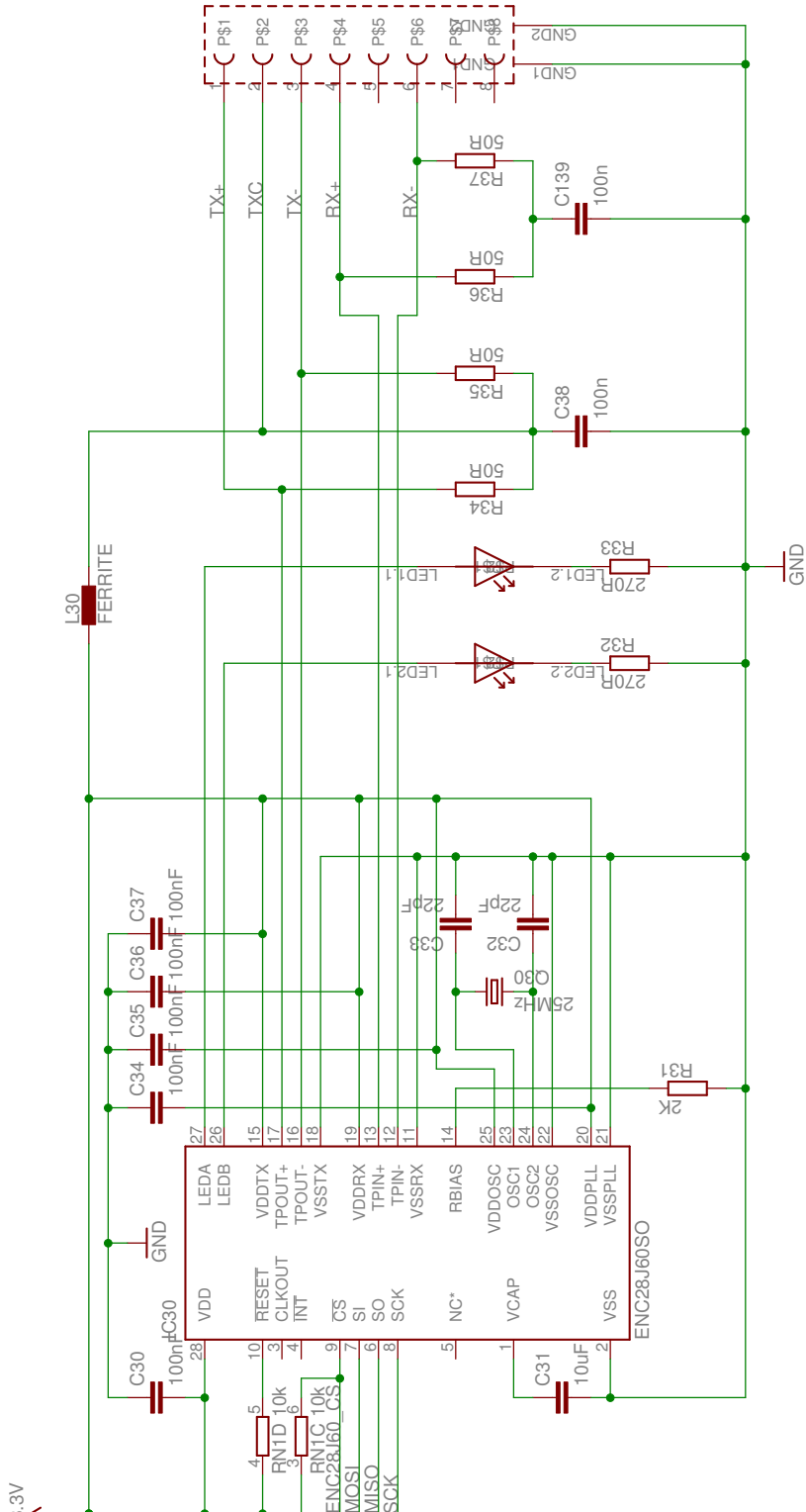
TITLE: AGW 2

FILE: HOW\_Z  
Changes in schematic against original and board layout by GKR

Document Number:

Sheet: 1/1

### 3. Ethernet



Not used!



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**TITLE:** AGW\_2  
Changes in schematic against original and board layout by GKR

Document Number:

Date: 21.06.14 14:56

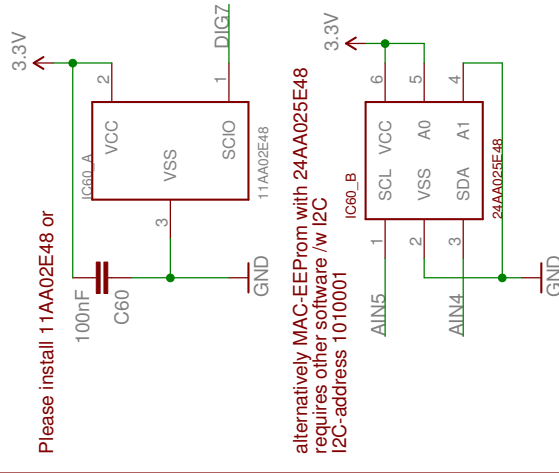
Sheet: 1/1

## 2. Levelshifter

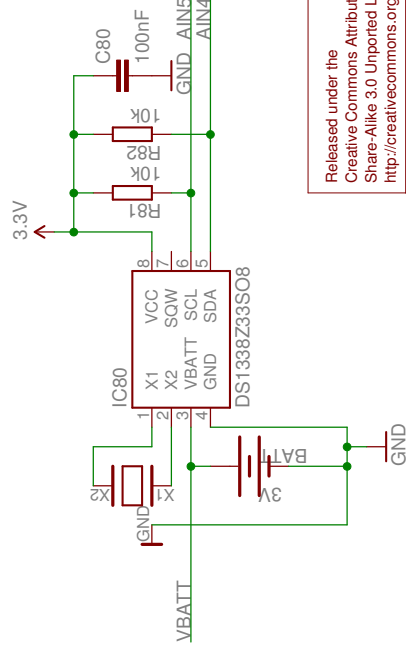
Not used with 3.3V SMT version !

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TITLE: AGW_2 Changes in schematic against original and board layout by GKR	
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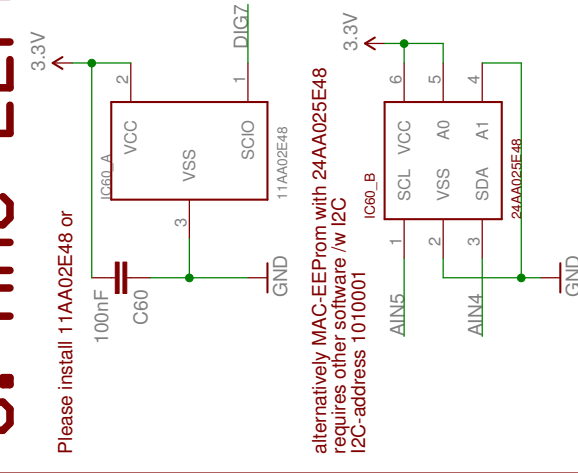
## 6. MAC-EEProm



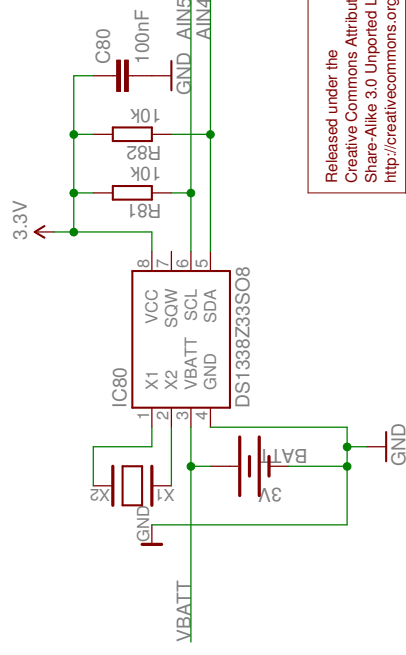
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## 6. MAC-EEProm



## 2. RFM12B



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Changes in schematic against original and board layout by GKR

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