

# Teton

Mixed-signal computational module for the Marmote platform

<http://marmote.googlecode.com>



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## Cover page

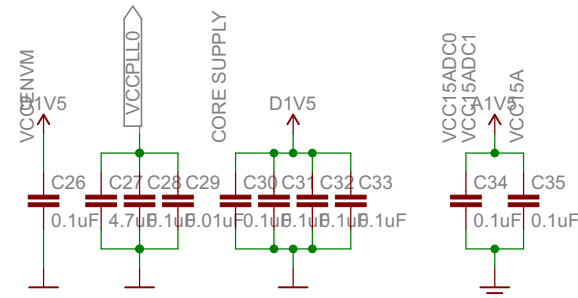
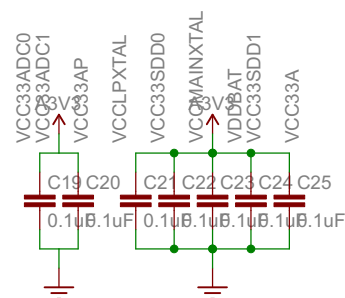
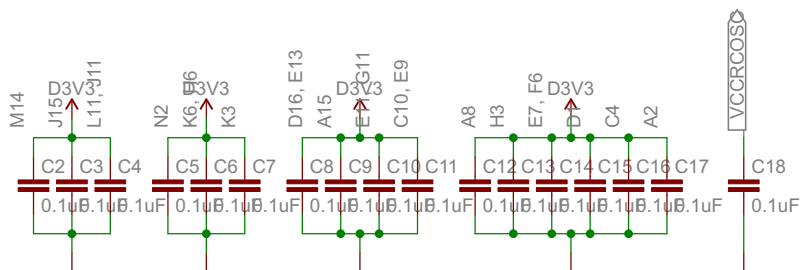
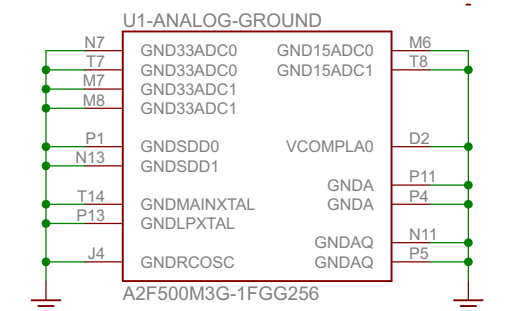
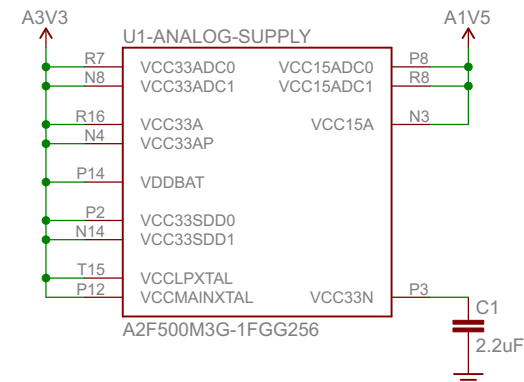
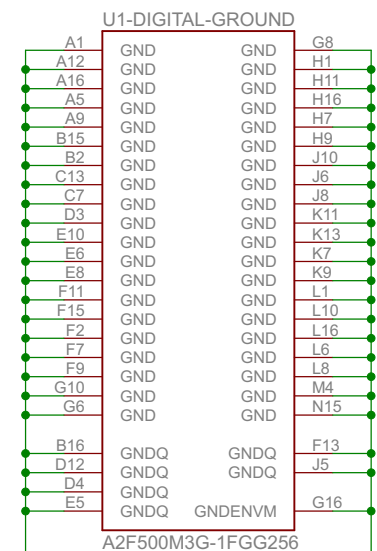
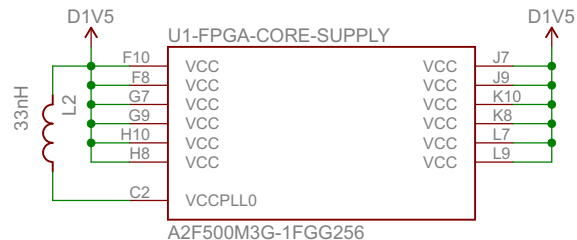
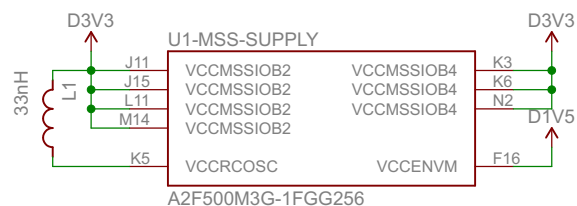
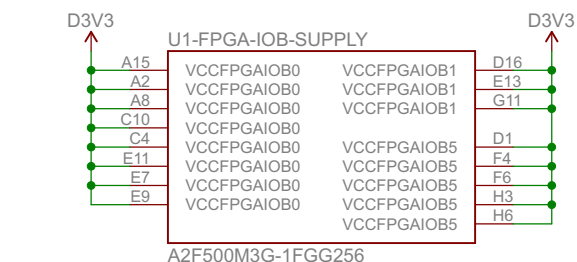
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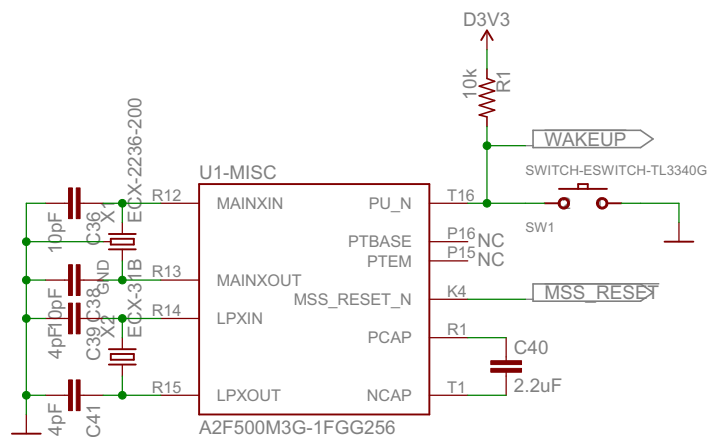
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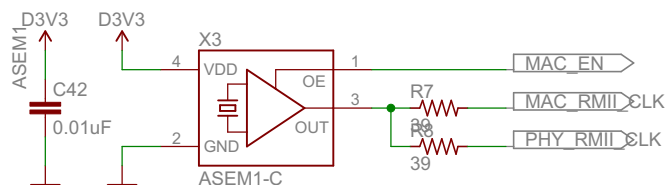


## SF supply pins

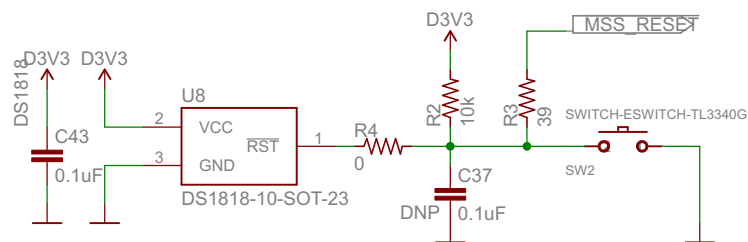
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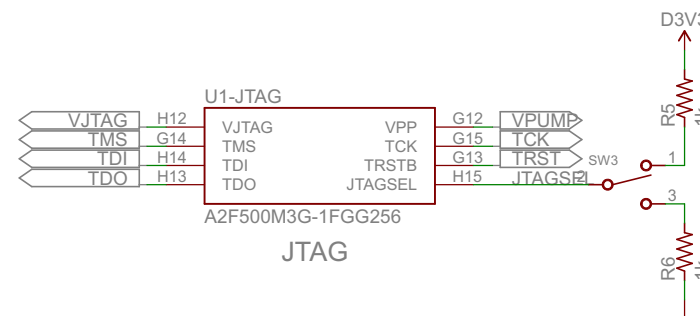
Internal oscillator - 32 kHz



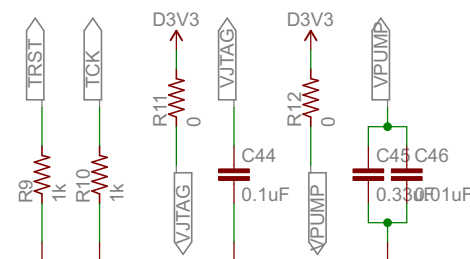
Ethernet oscillator - 50 MHz



Reset logic

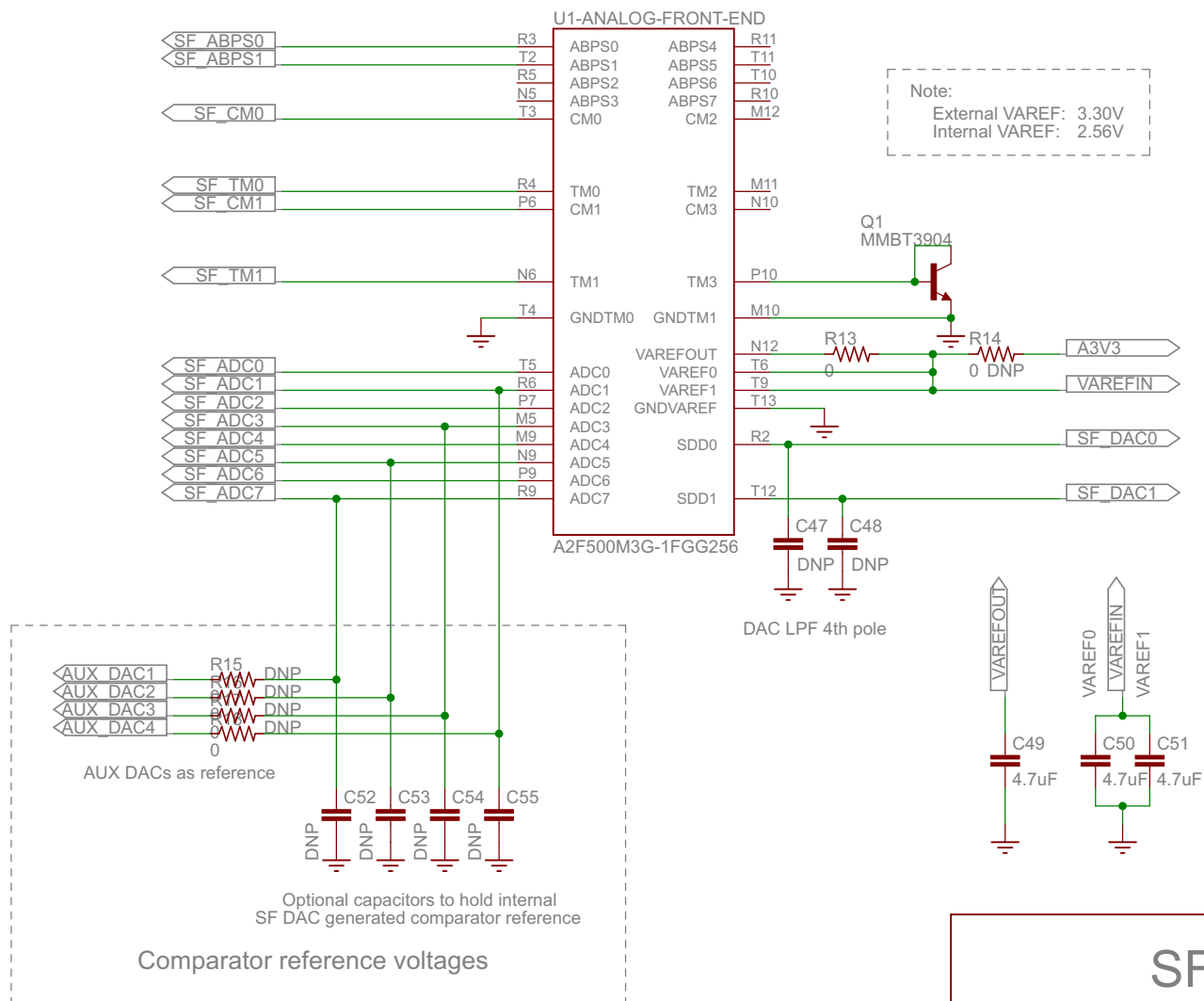


JTAG



## Clock, reset, JTAG

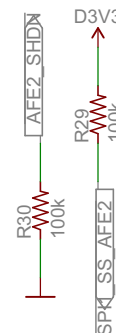
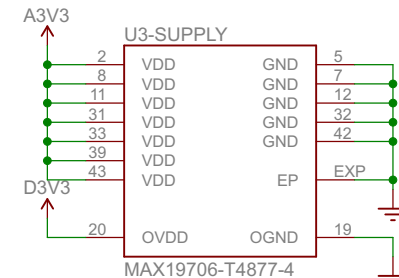
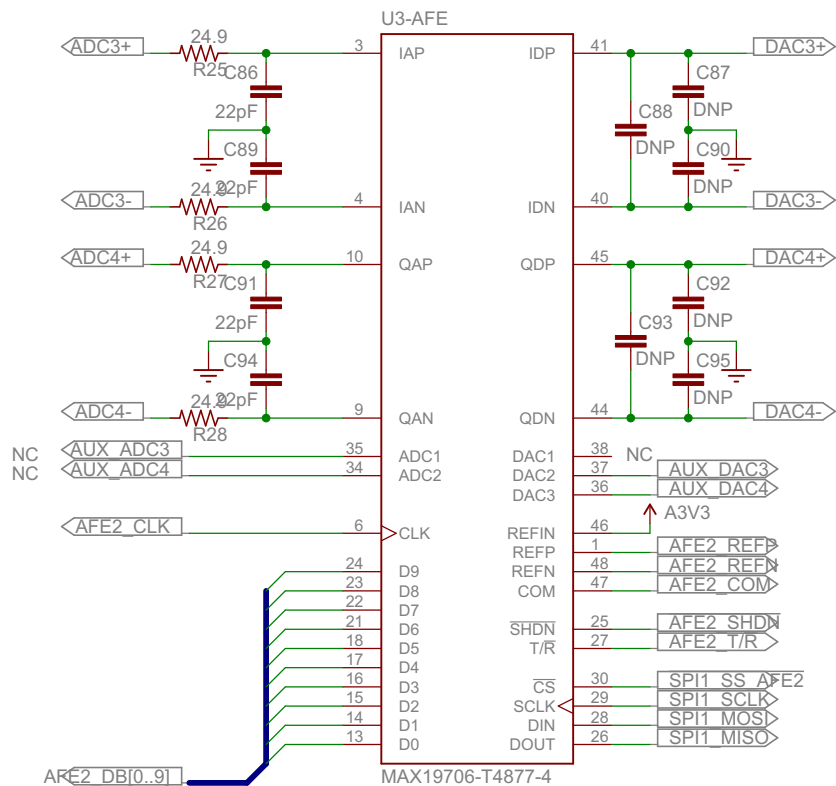
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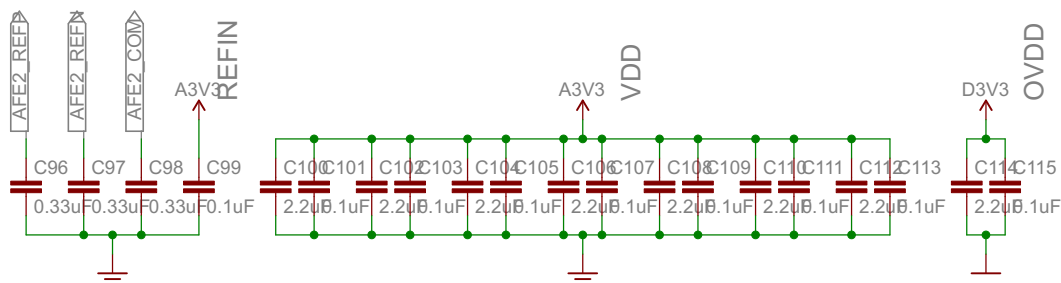
## SF AFE

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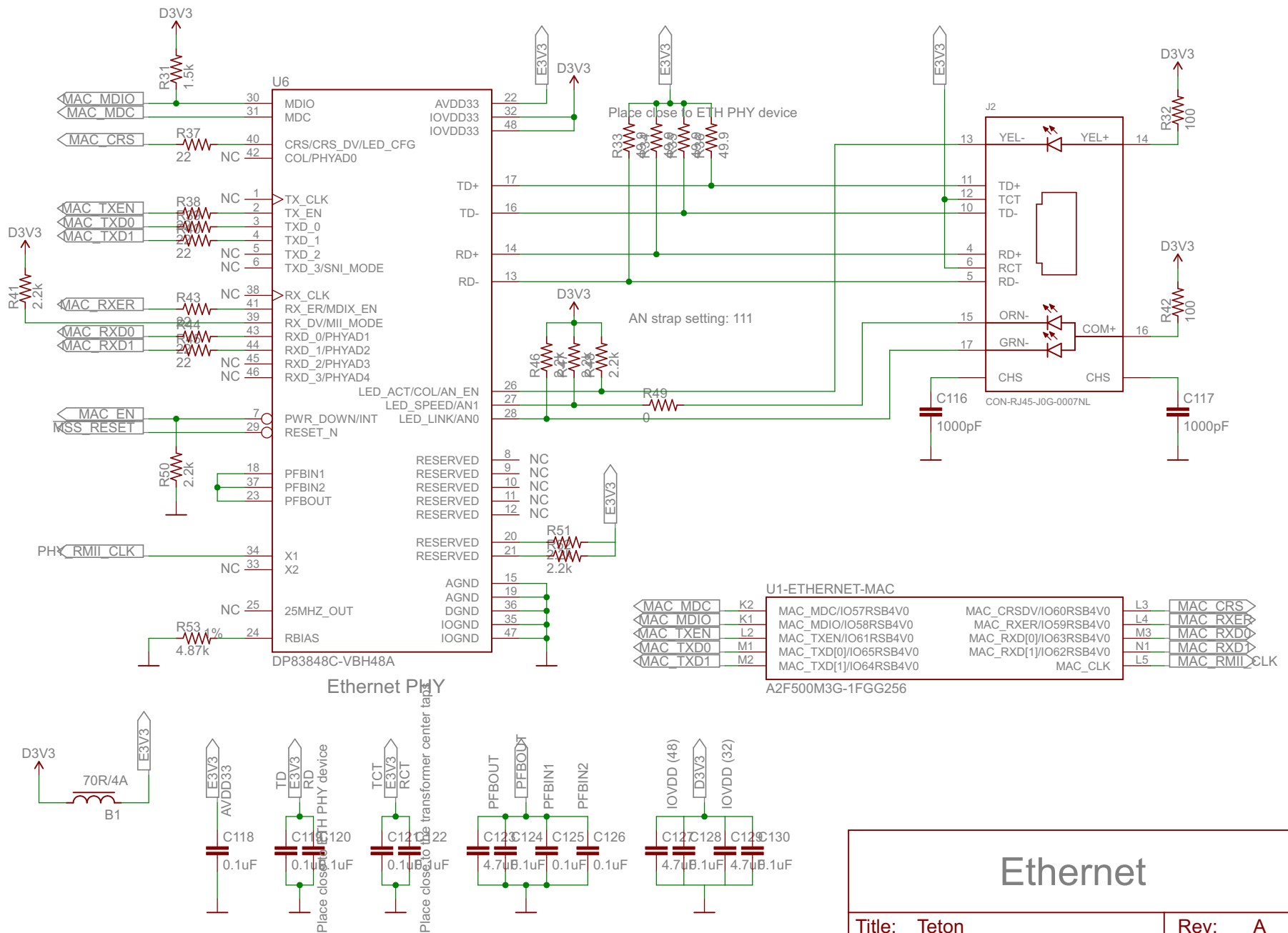


Note:  
 -AFEs are disabled by default  
 -AFE DB lines are pulled-up internally  
 both in AFE and SmartFusion



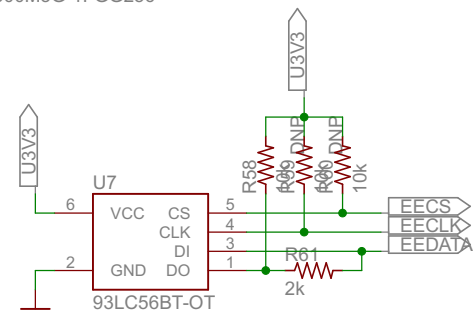
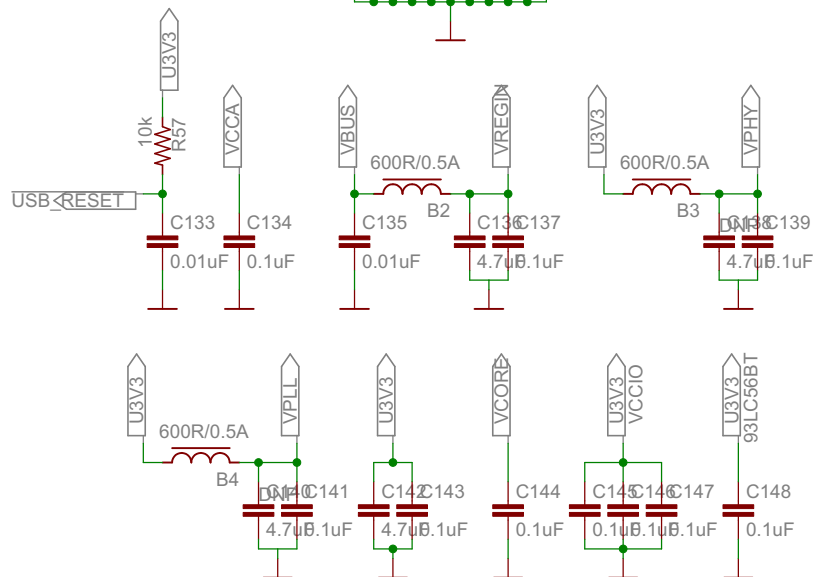
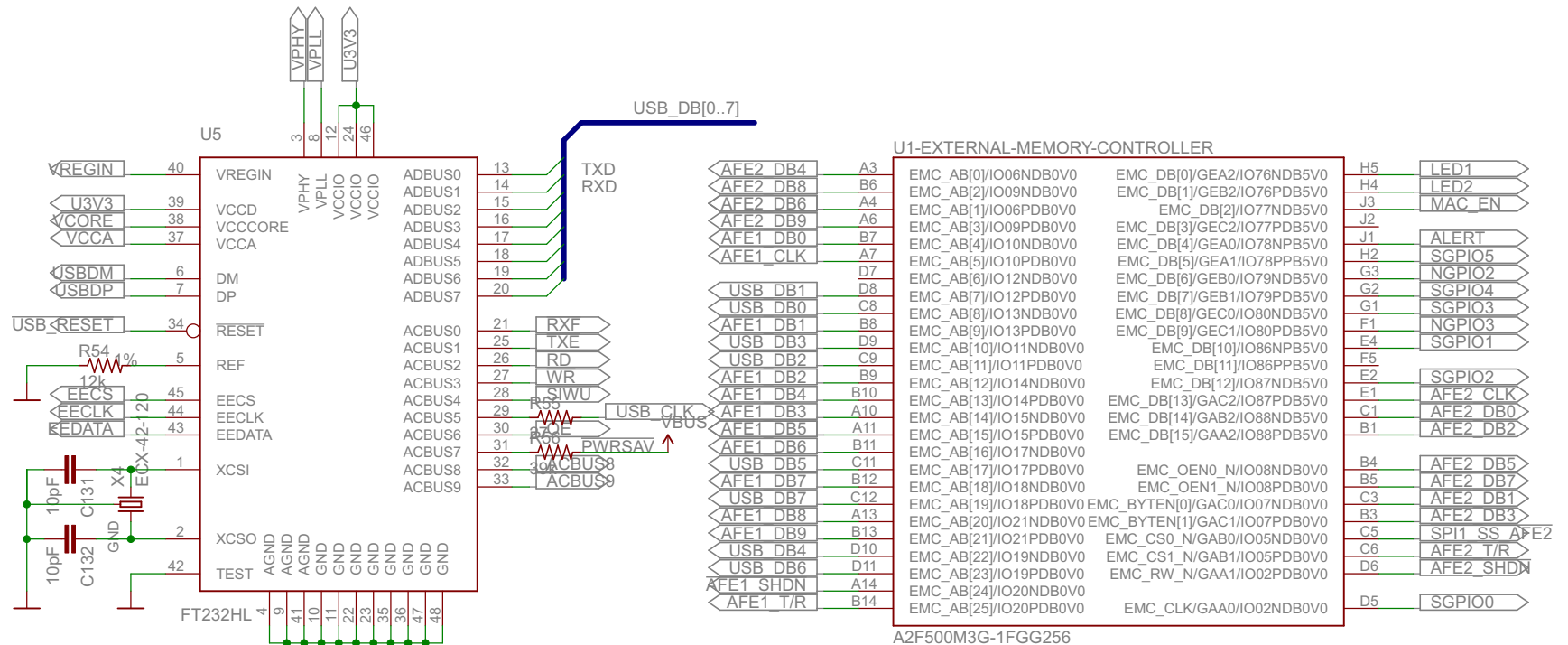
## External AFE #2

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## Ethernet

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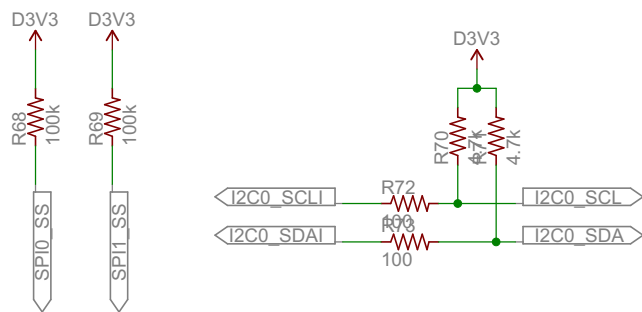
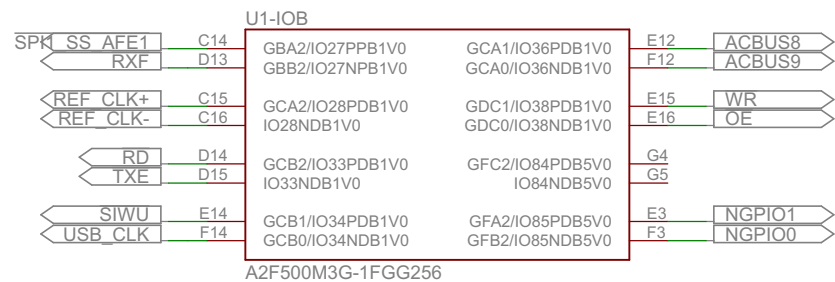
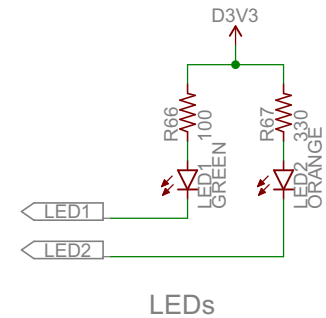
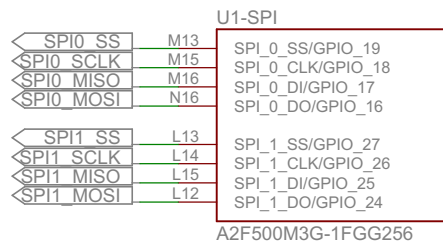
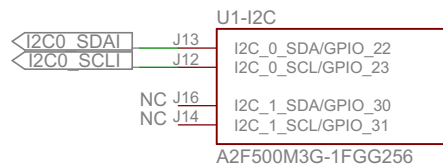
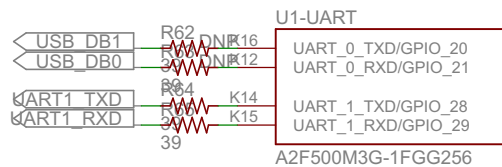


EEPROM

## USB and AFE dig.

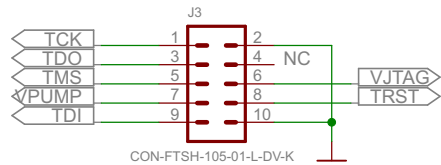
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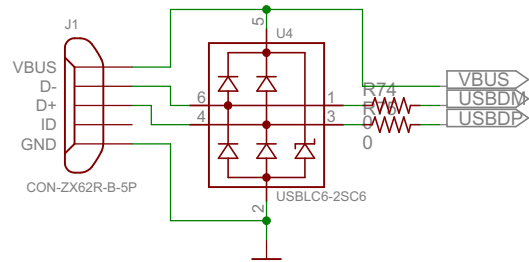


## I/O signals

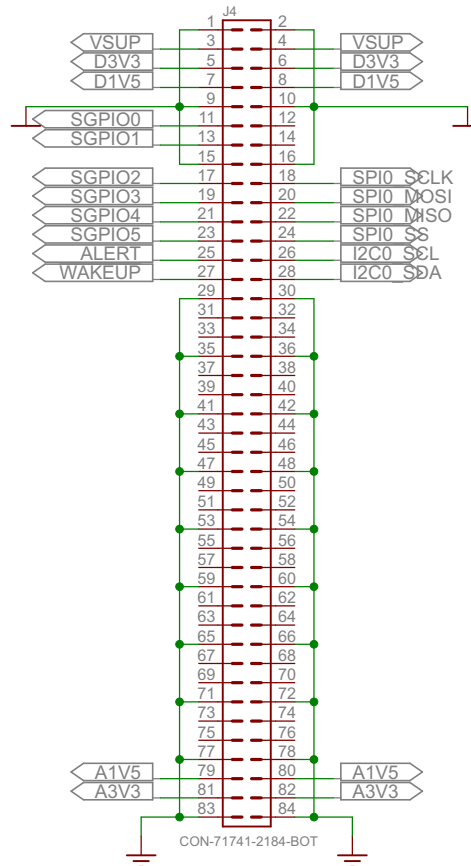
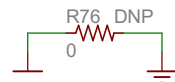
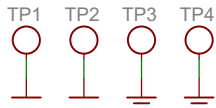
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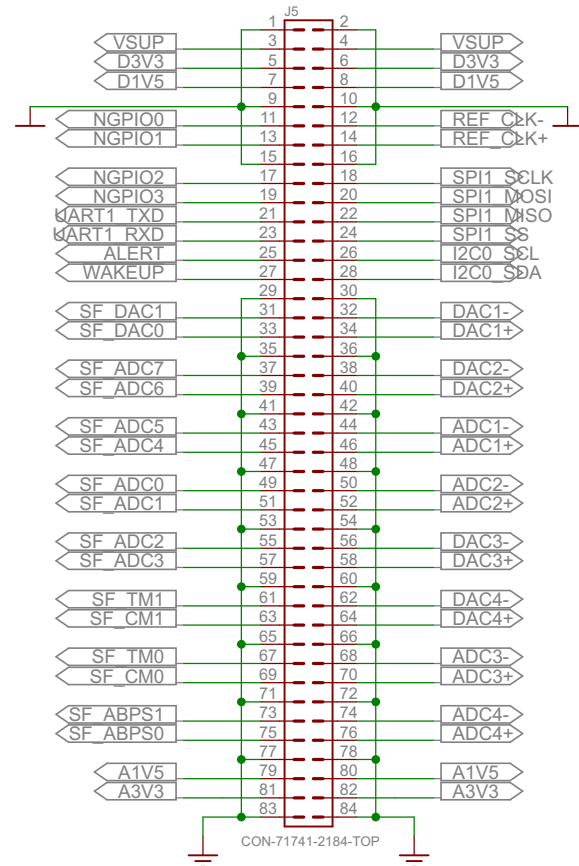
JTAG header



USB connector



South bridge



North bridge

## Connectors

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