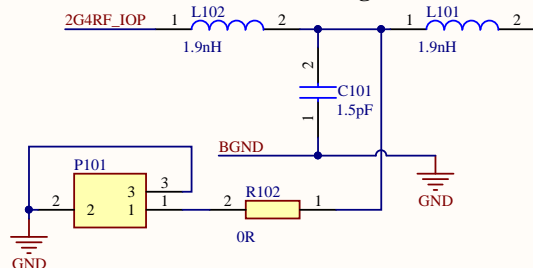


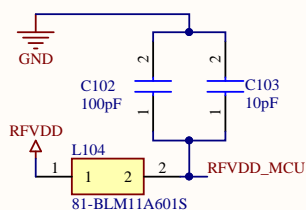


## Antenna & Radio Interface

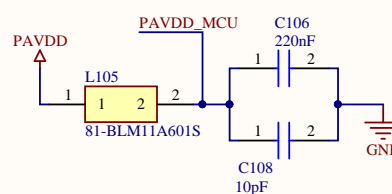
### 2.4 GHz matching network



## RF Analog Power

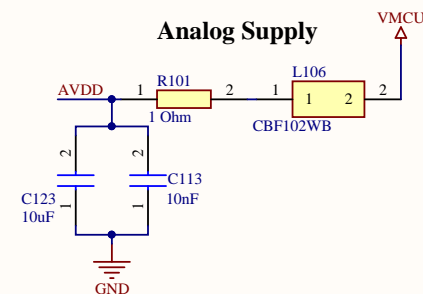


## PA Power

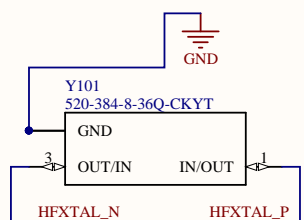


## Power & Decoupling

### Analog Supply

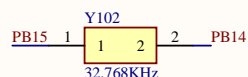


## High Frequency Crystal

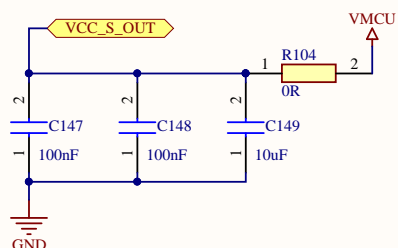


## RF Crystal

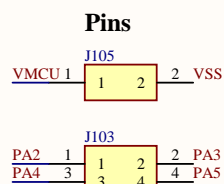
### Low Frequency Crystal



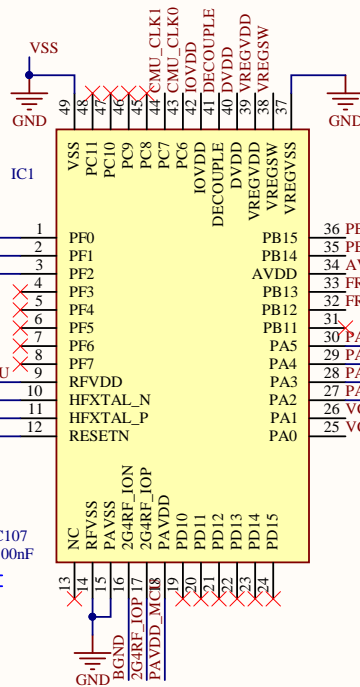
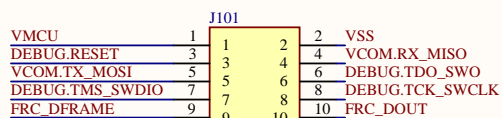
## WSTK Power Decoupling



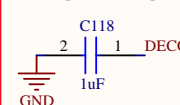
## Debug Interface



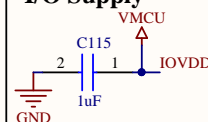
## Connector



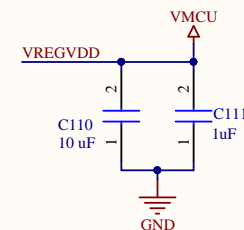
## Digital Logic



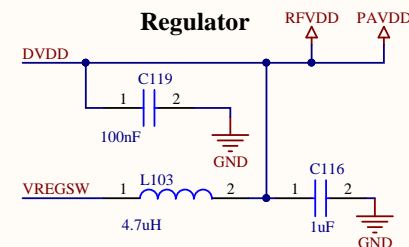
## I/O Supply



## Digital Supply



## Regulator



Title **EFR32BG13 Blue Gecko Slave**

Size: **A4**

Number:

Revision: **0.1**

Date: **11/4/2019**

Time: **10:53:15 PM**

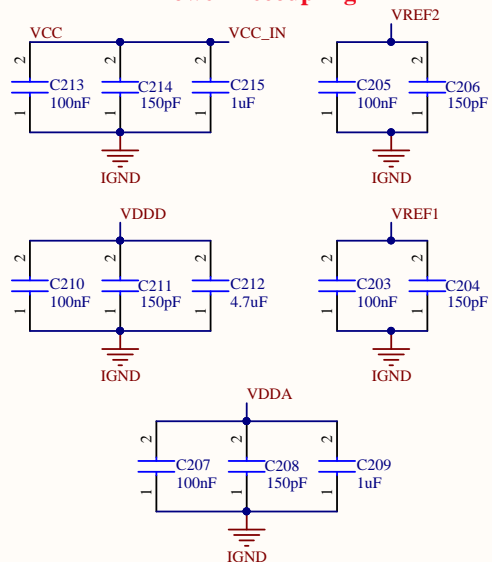
Sheet **8** of **9**

File: **C:\Users\Public\Documents\Altium\Projects\Bhishma\_Slave\EFR32BG13\_Slave.SchDoc**

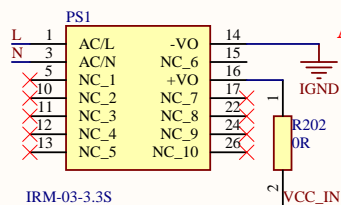
University of Colorado  
Boulder  
Bhishma  
Low Power Embedded  
Design Techniques

**Altium**

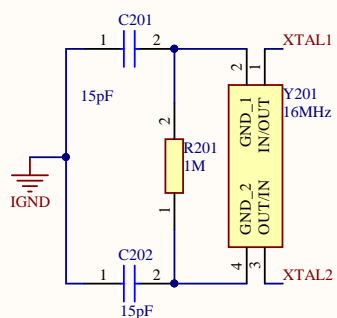
## Power Decoupling



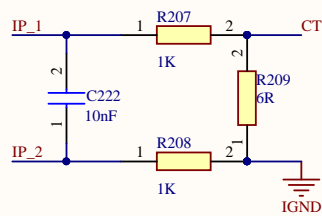
## AC/DC converter



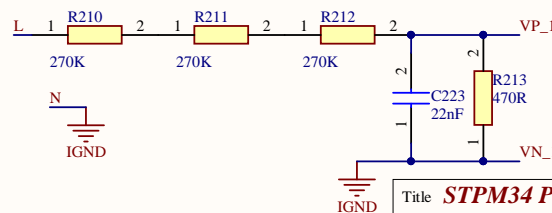
## Crystal



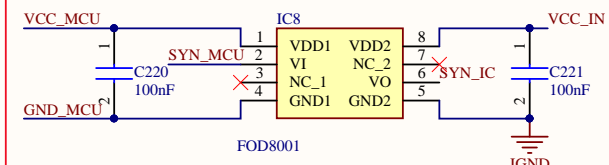
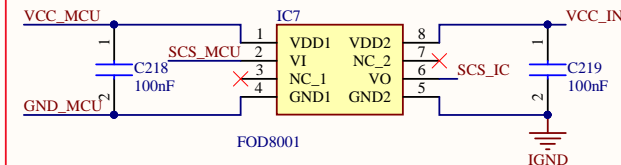
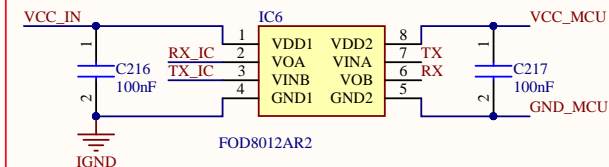
## Current sensing



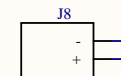
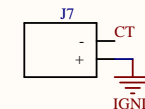
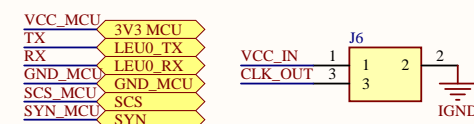
## Voltage Sensing



## Optoisolator circuit

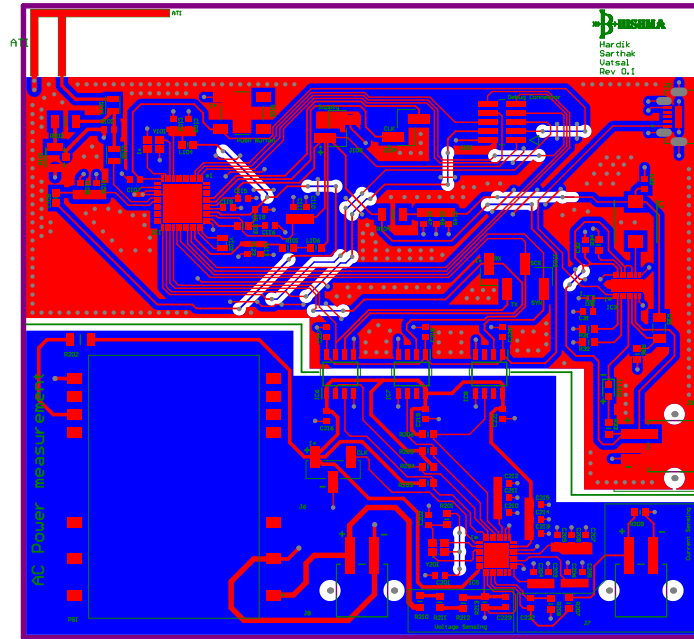


## Headers & Connectors



Title <b>STPM34 Power Measurement</b>			University of Colorado Boulder
Size: <b>A4</b>	Number: *	Revision: 0.1	Bhishma
Date: 11/4/2019	Time: 10:53:15 PM	Sheet 9 of 9	Low Power Embedded Design Techniques
File: C:\Users\Public\Documents\Altium\Projects\Bhishma_Slave\STPM34Energy_measurement.SchDoc			

**Altium**



Altium Limited  
120 Reddenough Rd  
Fremont Forest  
NSW 2006

ENGINEER	TITLE		
FOR DESIGNER			
DATE 11/02/09	PART NO.	REV	
FILE NAME BShima_Serial.aprx(2)450a	DWG NO.	SCHEM	