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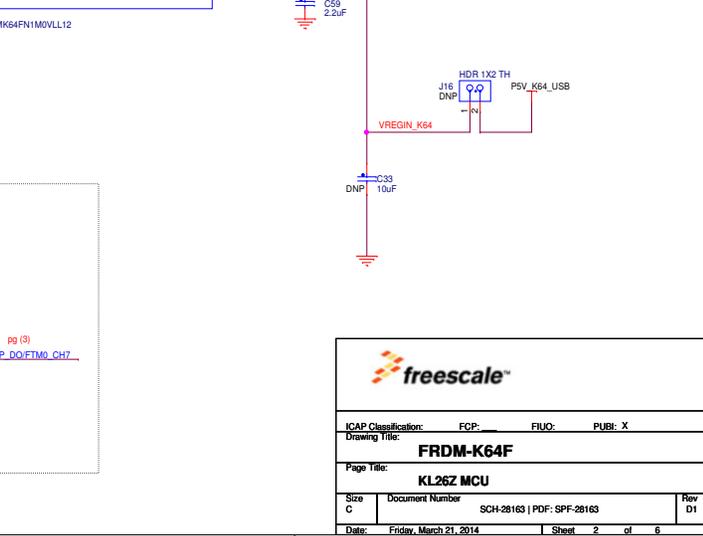
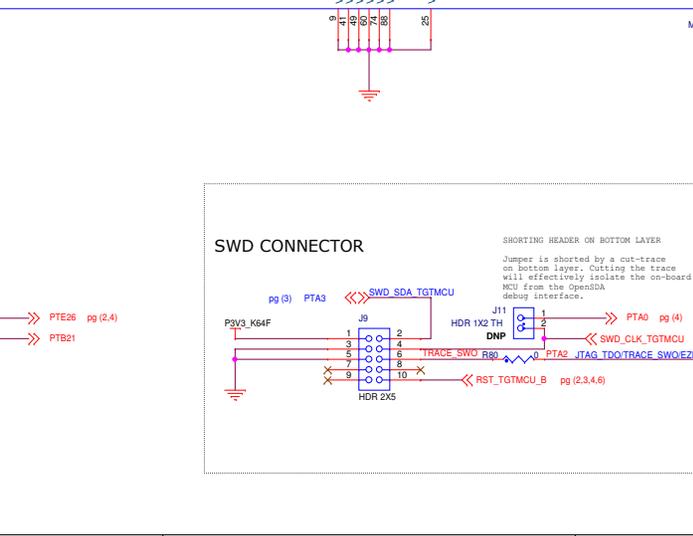
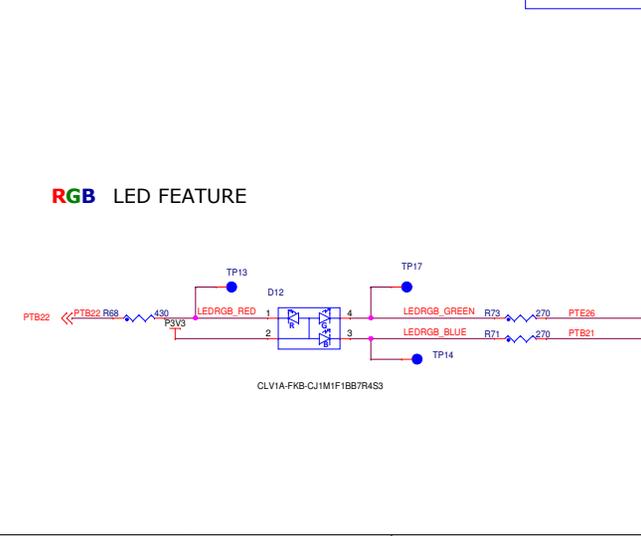
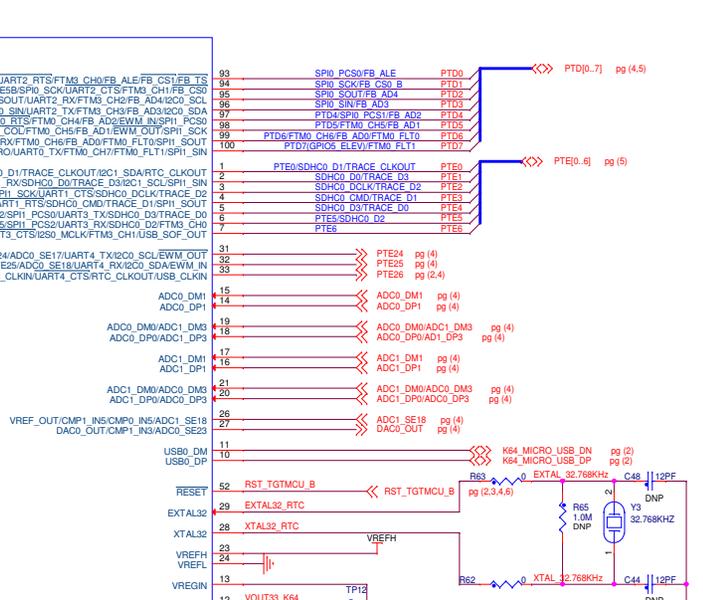
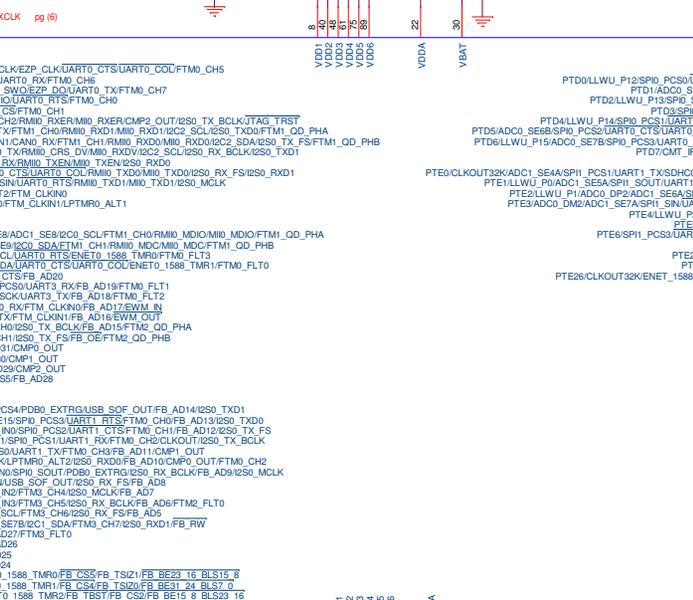
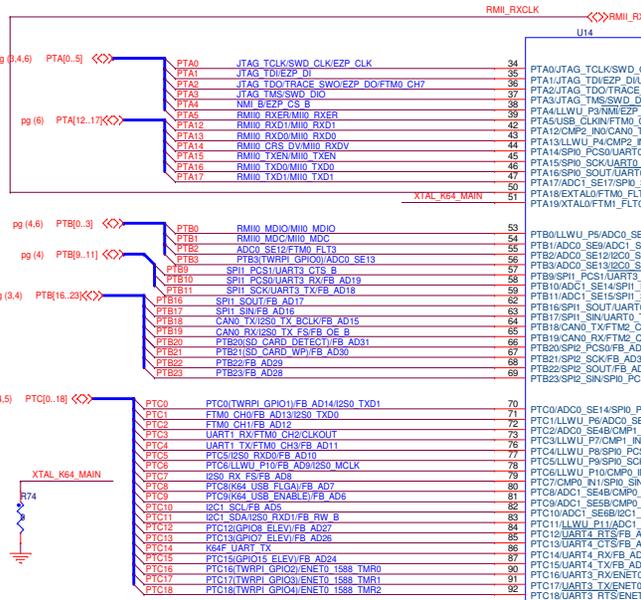
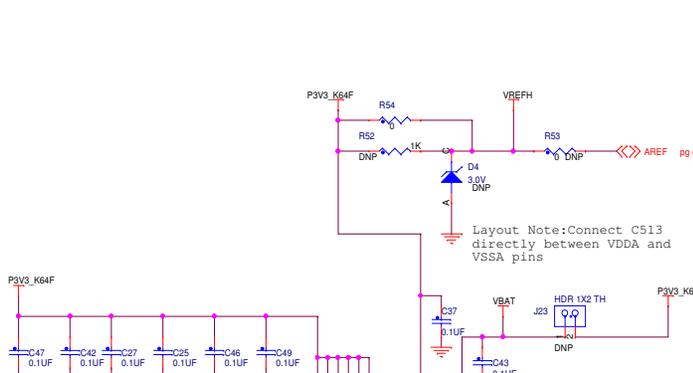
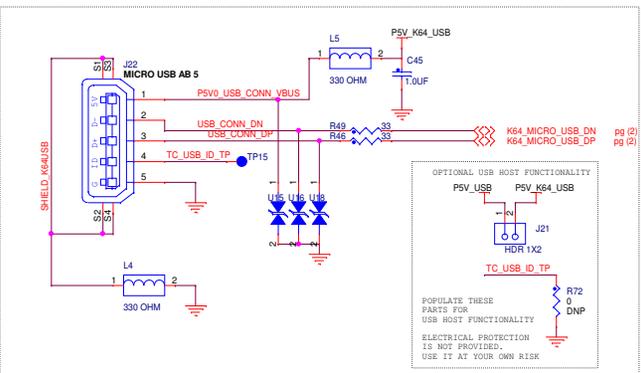
1	Title
2	Block Diagram
3	KL26Z MCU
4	OpenSDA INTERFACE
5	I/O Headers and Power Supply

Revisions & Change Log

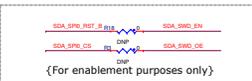
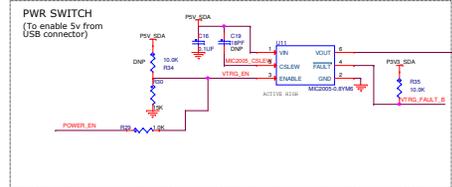
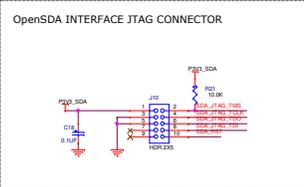
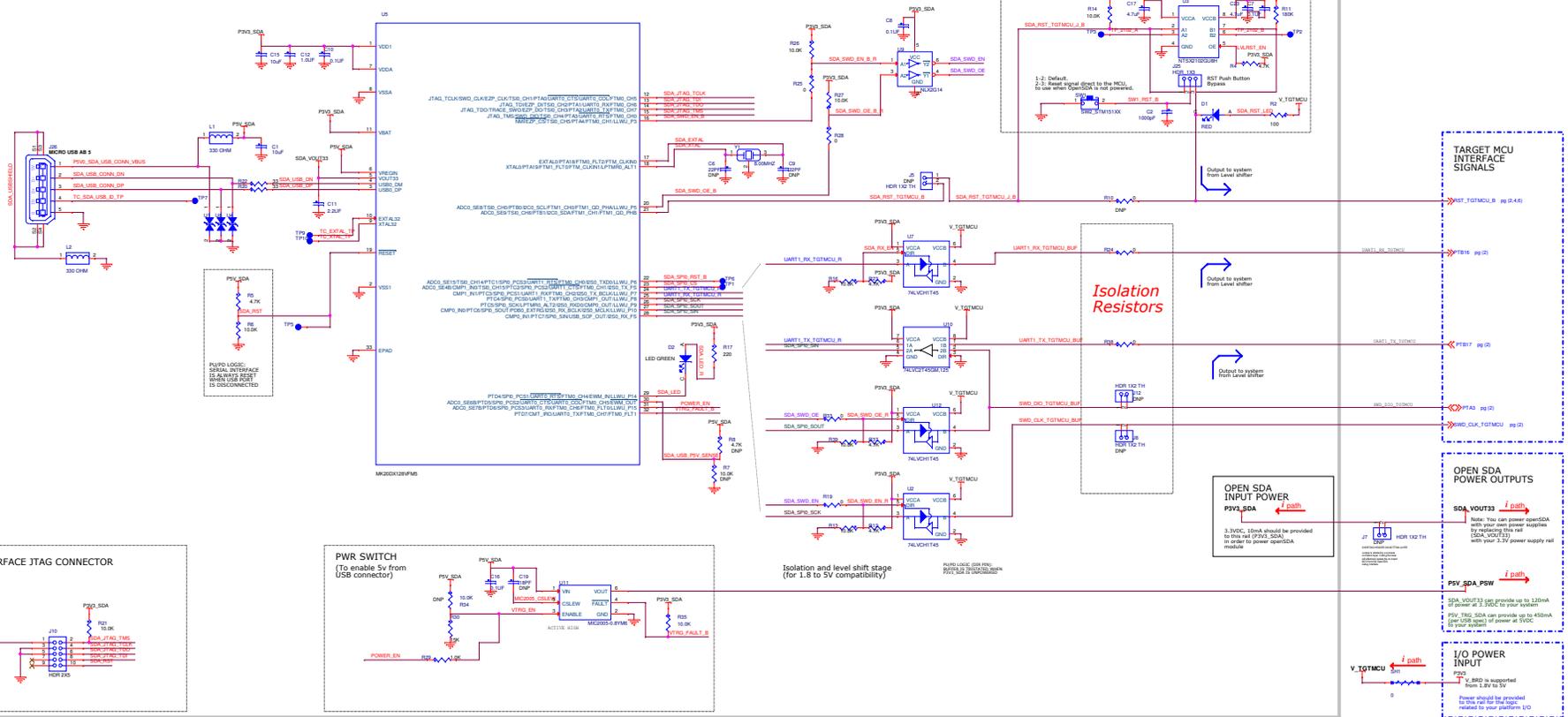
Rev	Description	Date	Approved
X1	Initial Draft	Oct 18	Chung
X2	Feedbacks Implemented	Oct 22	Chung
X3	Feedbacks from Chung Implemented	Oct 23	Chung
X4	Components changed as per the feedbacks	Oct 24	Chung
X5	RF and Bluetooth headers added	Oct 28	Chung
X6	Arduino connections added	Nov 1	Chung
X7	Net review and fix	Nov 3	Chung
A	Release to production, prototype build	Nov 8	Chung
A1	openSDA reset capacitor fix	Nov 22	del Rey
B	Release to production, production build	Jan 20	Chung
C	Release to production, production build	Feb 06	Chung
D	Fixing I2C swap to headers	Feb 26	Chung
D1	Enhancing USB PWR input filter for robustness	Mar 18	Chung

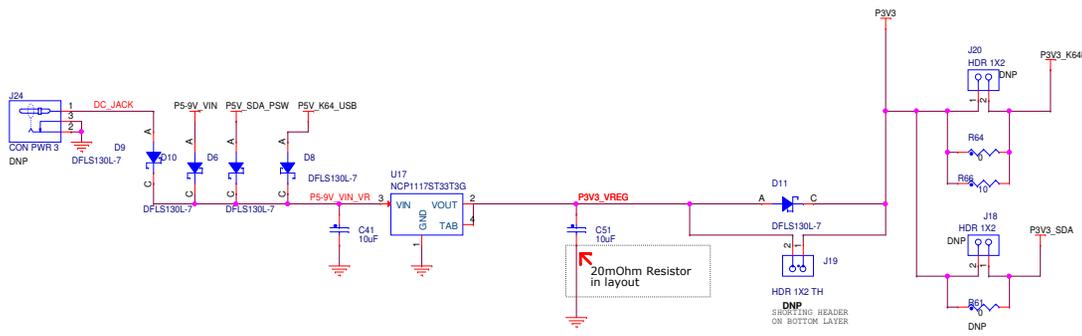
FREEDOM K64F

		Automotive, Industrial & Multi-Market Solutions Group 6501 William Cannon Drive West Austin, TX 78735-6598	
ICAP Classification: FCP: FLUQ: PUB: X			
Designer: Rafael del Rey	Drawing Title: FRDM-K64F		
Drawn by: Sudasha(LnT)	Page Title: TITLE PAGE		
Approved: Chung	Size C	Document Number SCH-28163 PDF: SPF-28163	Rev D1
Date: Friday, March 21, 2014		Sheet 1 of 6	

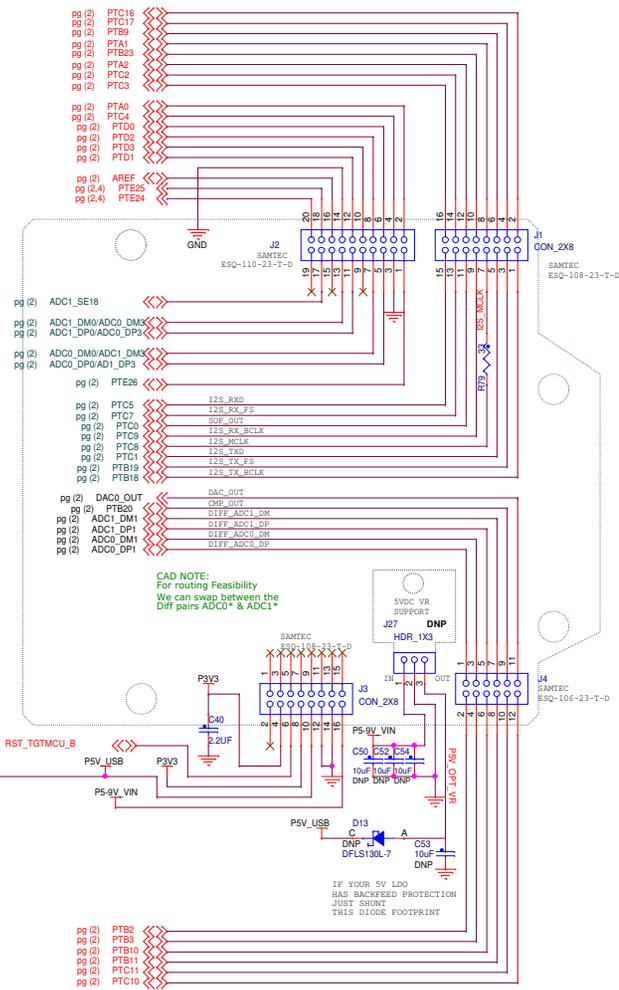


OpenSDA Interface





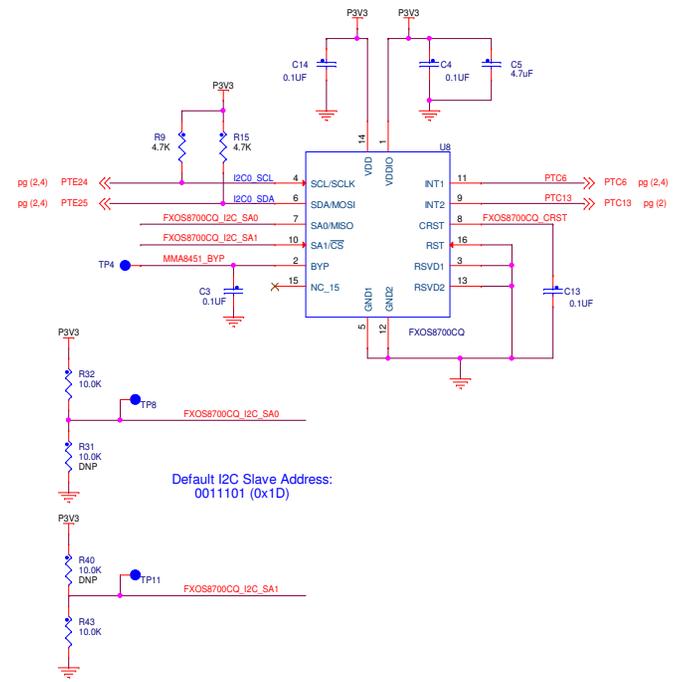
ARDUINO COMPATIBLE HEADERS



CAD NOTE:
For routing Feasibility
We can swap between the
Diff pairs ADC0* & ADC1*

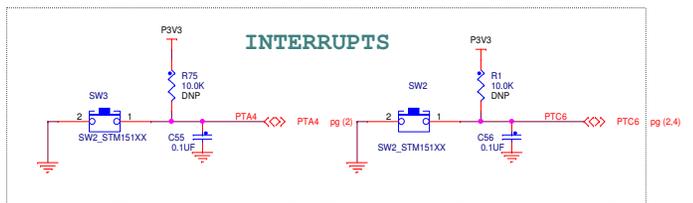
IF YOUR 5V LDO
HAS BACKFEED PROTECTION
JUST SWAP
THIS DIODE FOOTPRINT

**I2C INERTIAL SENSOR
(ACCELEROMETER AND MAGNETOMETER)**



Default I2C Slave Address:
0011101 (0x1D)

INTERRUPTS

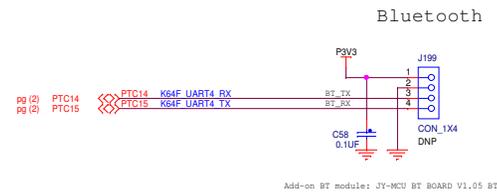
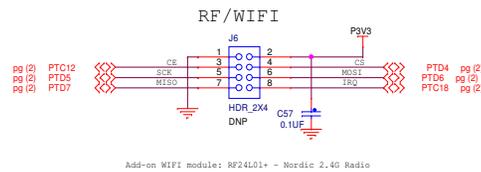
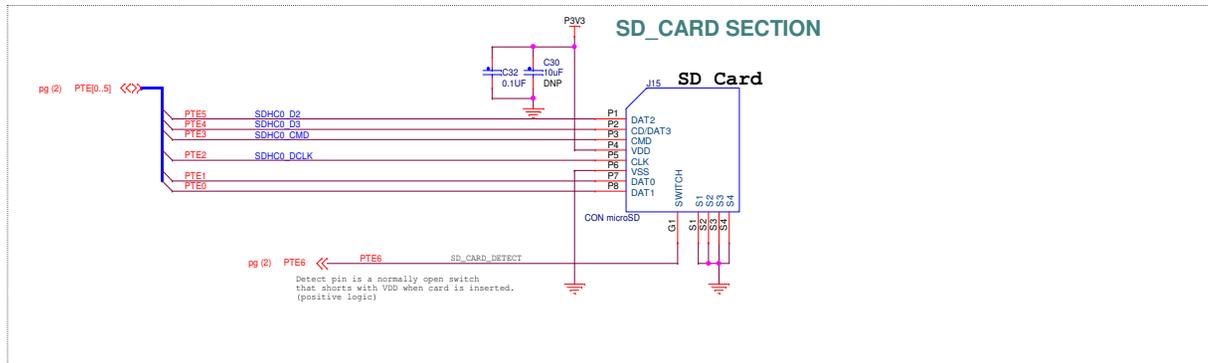


DEBUG GROUND HOOK



freescale

ICAP Classification: FCP: FIUC: PUB: X
Drawing Title: **FRDM-K64F**
Page Title: **ARDUINO SHIELDS & Accelerator**
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ICAP Classification: FCP: _____ FIUO: _____ PUBN: X	
Drawing Title: FRDM-K64F	
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