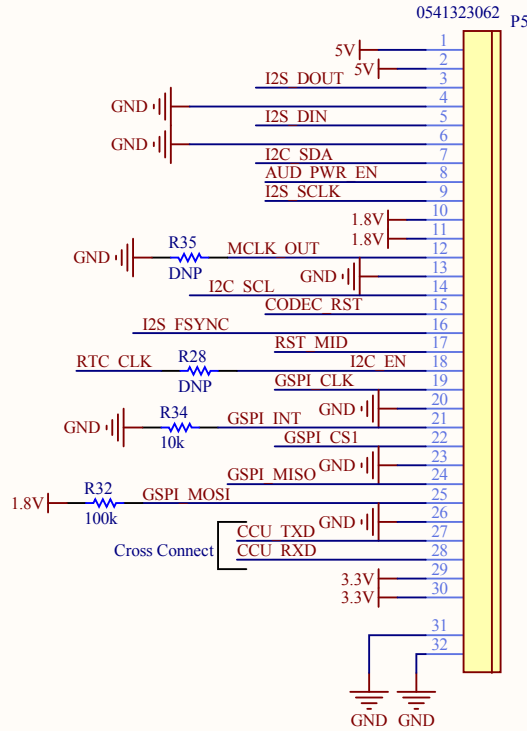


H2 H3
DNP DNP
mounting holes

3.3V
TP8

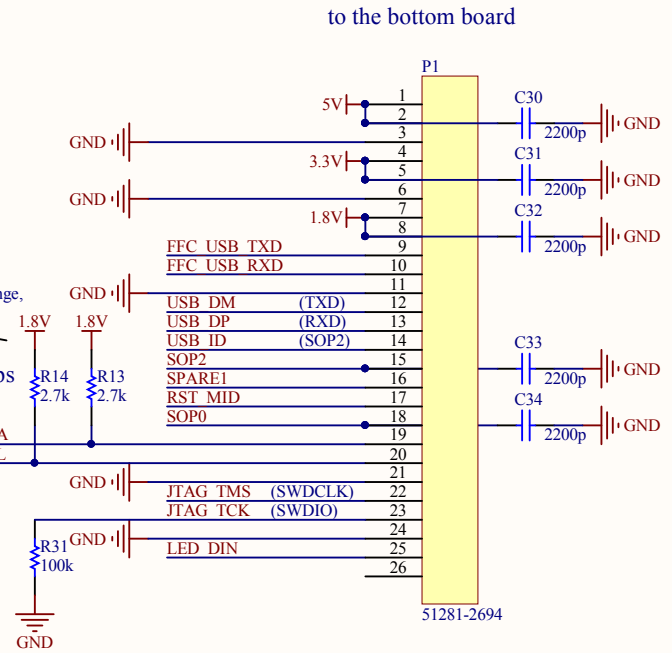
to the top board



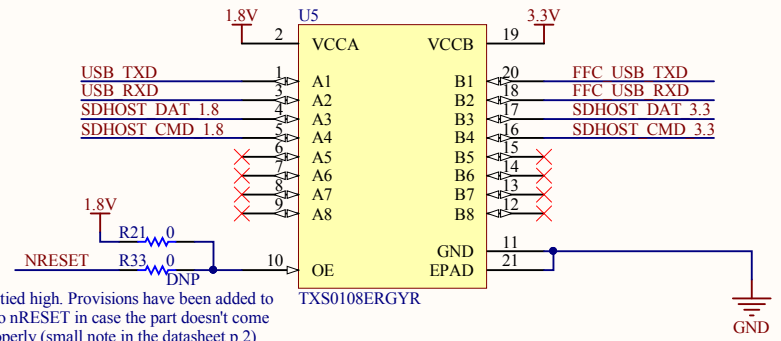
IF CC3200 is changed to operate off of wide input voltage range,
the 1V8 tie needs to change to VBAT

I2C pullups

I2C Sensors



8-bit level shifter



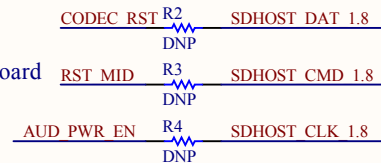
OE is tied high. Provisions have been added to tie it to nRESET in case the part doesn't come up properly (small note in the datasheet p.2)

NOTICE OF PROPRIETARY PROPERTY

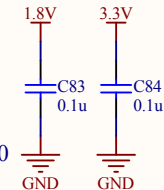
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to the top board



to CC3200



Hello

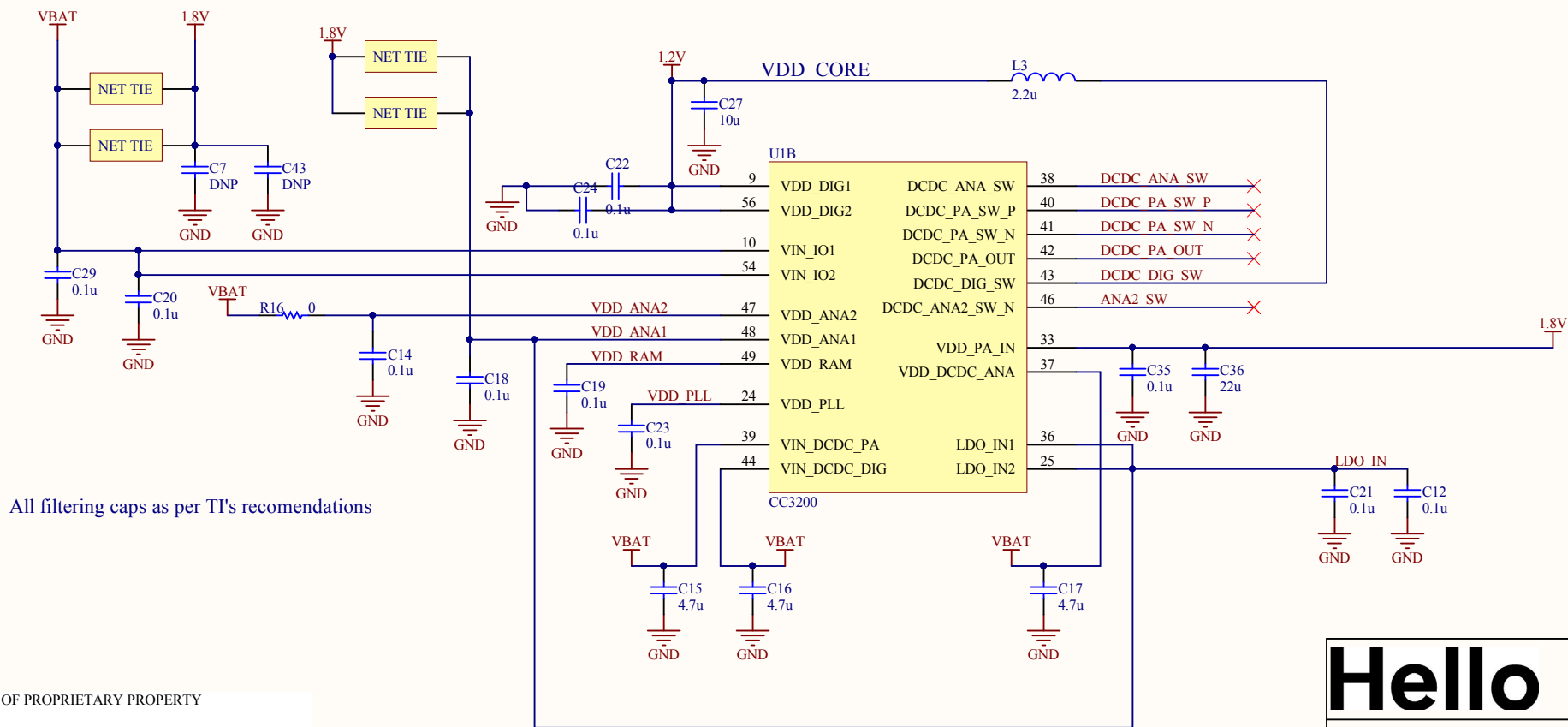
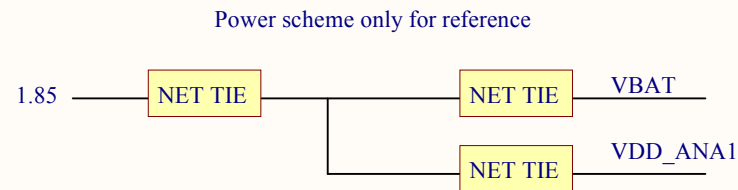
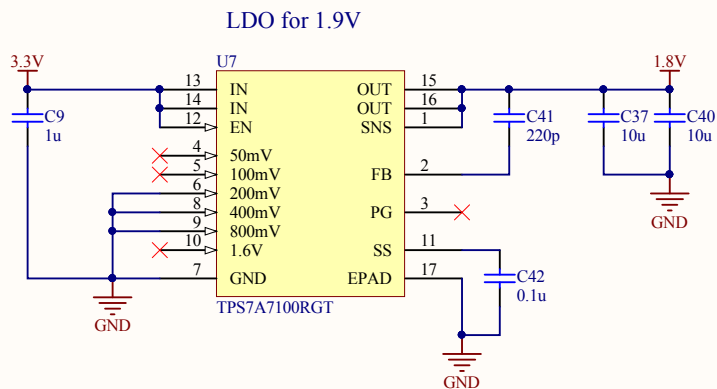
ITEM NAME
Connector
Middle Board, Proto, Sense 1.5

ITEM NUM.
530-00012-02

DATE
3/23/16

DRAWN BY
H. Asgarian

REV
1
SHEET 2 OF 7



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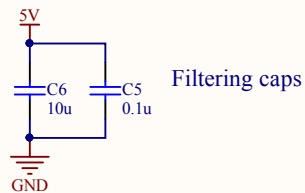
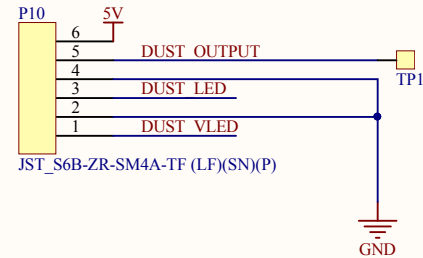
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Route ground traces for C15, C16 and C17 to single vias on the EPAD. Isolate them from pours in inner layers

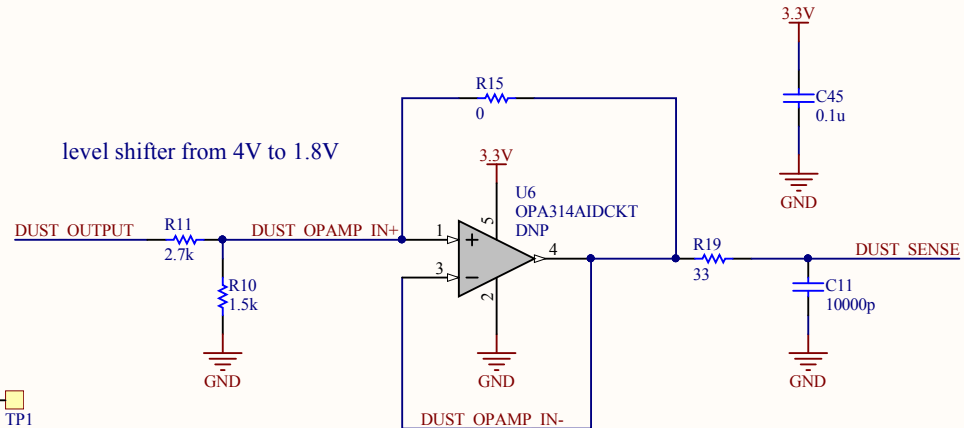
Hello

ITEM NAME		
MCU Power		
Middle Board, Proto, Sense 1.5		
ITEM NUM.		REV
530-00012-02		1
DATE	DRAWN BY	
3/23/16	H. Asgarian	SHEET 3 OF 7

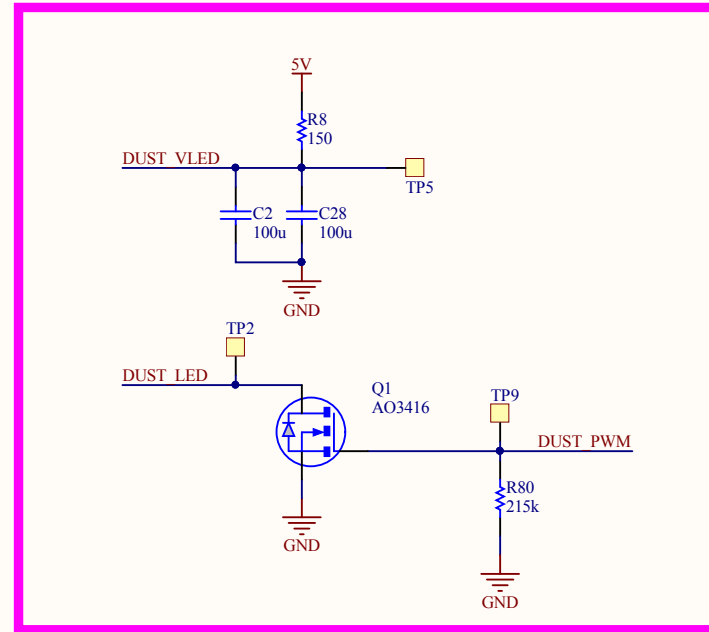
Connector for Sharp dust sensor GP2Y1010AU0F



level shifter from 4V to 1.8V



As on the GP2Y1010 datasheet



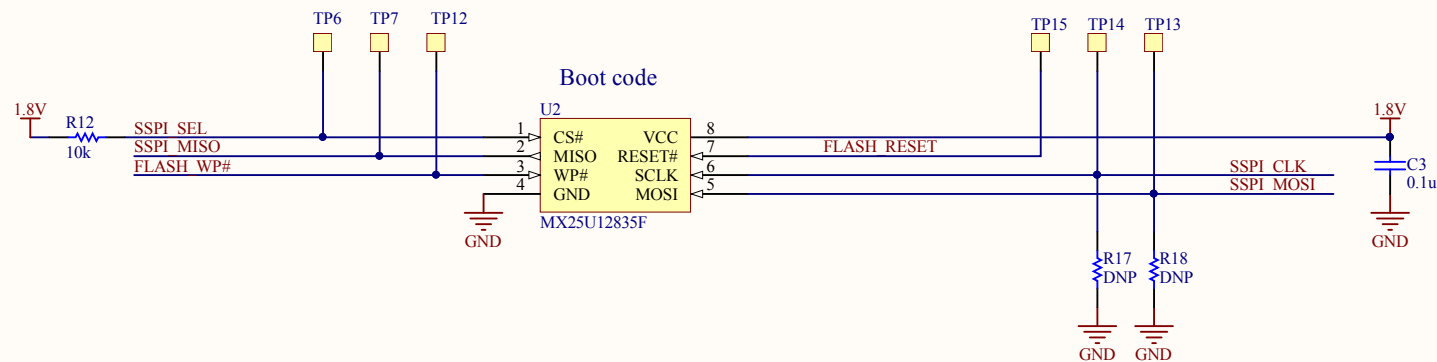
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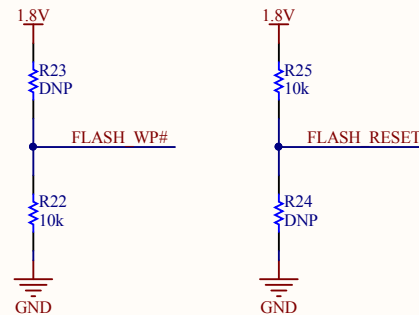
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Hello

ITEM NAME Air Quality Middle Board, Proto, Sense 1.5		
ITEM NUM. 530-00012-02	REV 1	
DATE 3/23/16	DRAWN BY H. Asgarian	SHEET 4 OF 7



TI wants 17 and R18 to be installed but we've always been good without



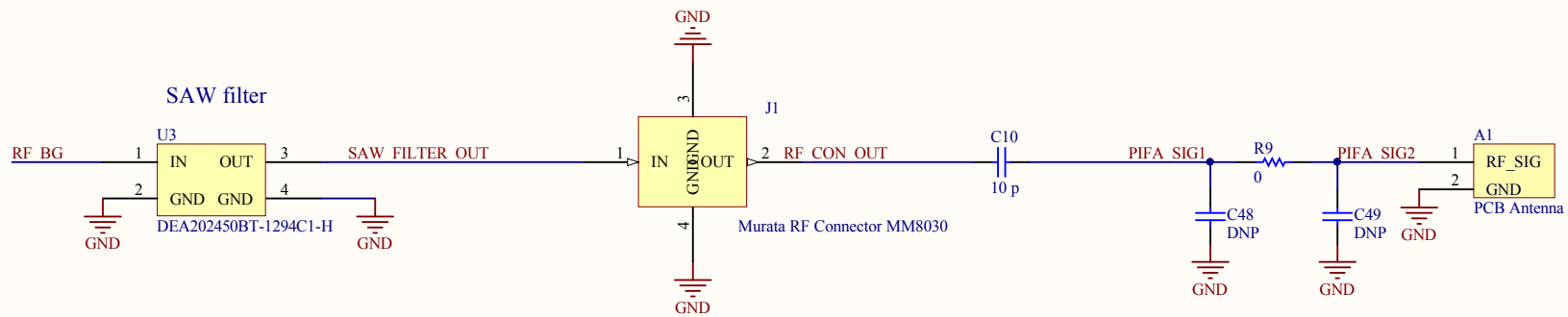
Datasheet is unclear, so for now we pull reset high and WP low

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Hello		
ITEM NAME Flash Middle Board, Proto, Sense 1.5		
ITEM NUM. 530-00012-02		REV 1
DATE 3/23/16	DRAWN BY H. Asgarian	SHEET 5 OF 7



Murata 0201 GJM0335C1ER20WB01
GJM series is better than GRM for RF

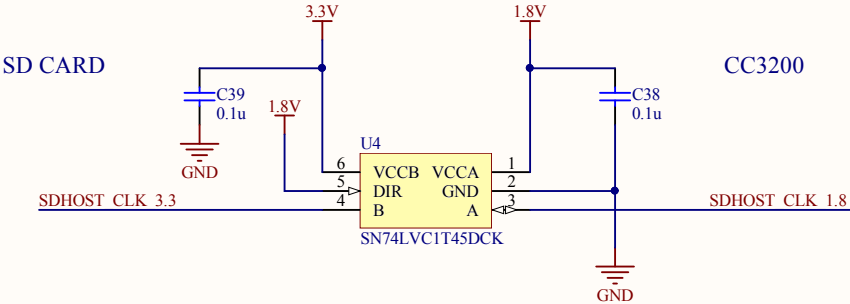
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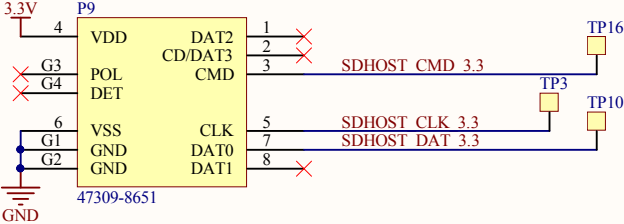
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- II. NOT TO REPRODUCE OR COPY IT
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Hello		
ITEM NAME		
RF		
Middle Board, Proto, Sense 1.5		
ITEM NUM.		REV
530-00012-02		1
DATE	DRAWN BY	SHEET
3/23/16	H. Asgarian	6 OF 7

CLK needs a dedicated level shifter beacuse of speed



CMD and DAT shifter on dedicated level shifter



SD Card connector

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Hello		
ITEM NAME SD_Card Middle Board, Proto, Sense 1.5		
ITEM NUM. 530-00012-02	REV 1	
DATE 3/23/16	DRAWN BY H. Asgarian	SHEET 7 OF 7