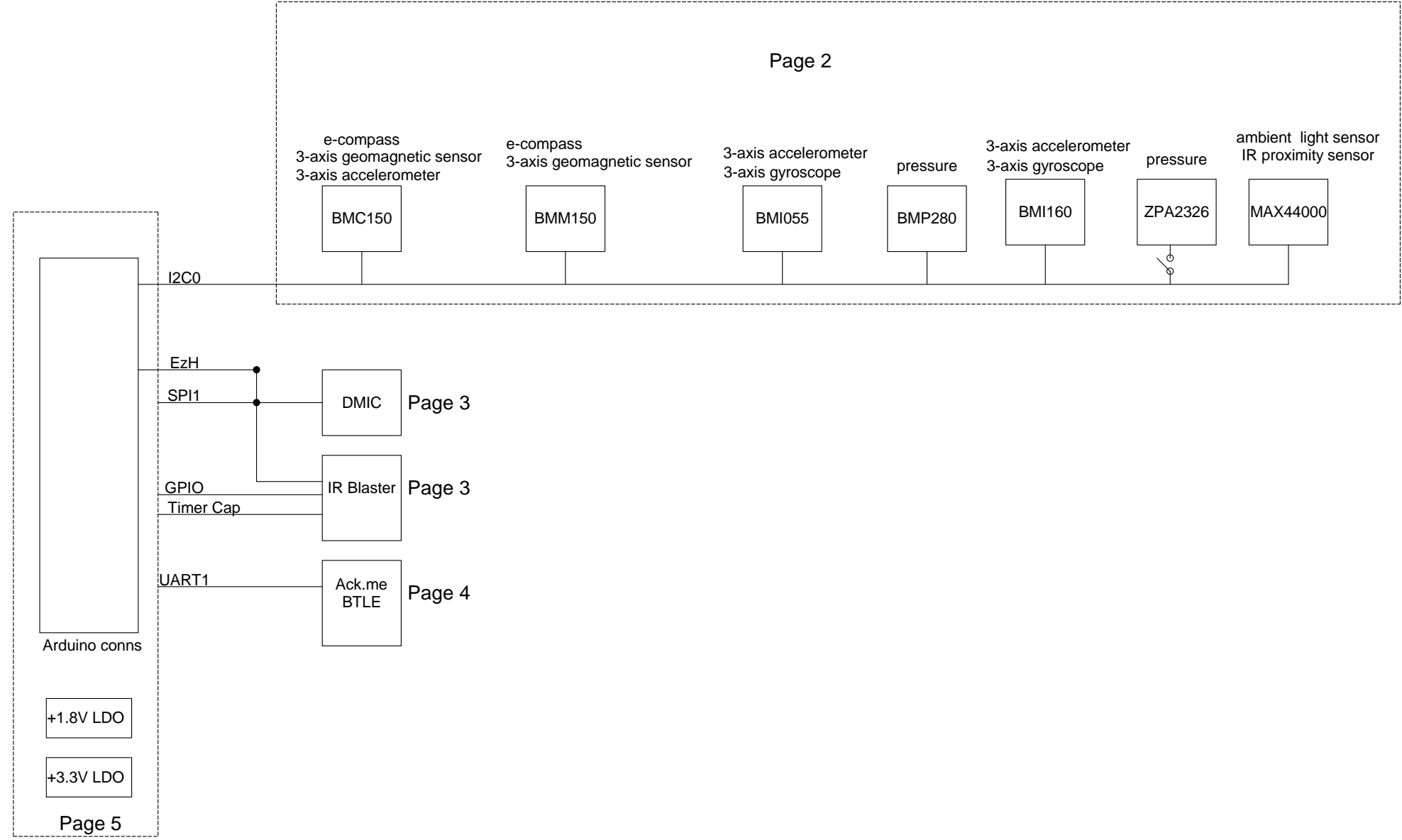
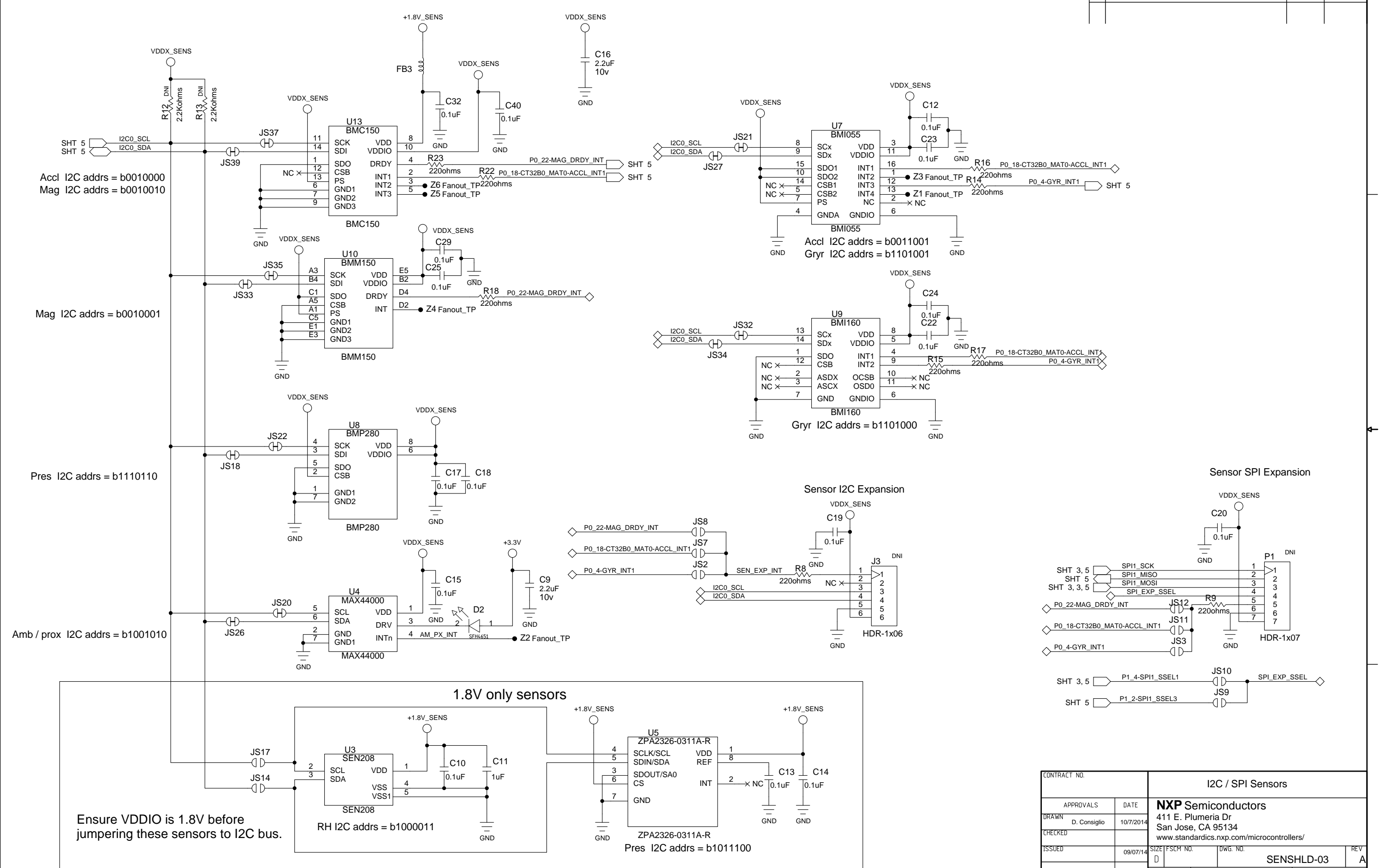


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
	- Review	9/02/2014	
3	- UART3 for Arduino; UART1 for on-brd BTLE - Add MAX9634 curr monitor chip - Change vsense to 10ohm; change Ack.me debug hdr add gnd.	9/04/2014	
A	- Add TP's for GND, +1.8V, +1.3V on brd edge. - Add R26 placeholder for AMS UART1_RXD - Release SENSRLD brd to production	9/07/2014	



CONTRACT NO.		Sensor Hub Block Diagram			
APPROVALS	DATE	NXP Semiconductors 411 E. Plumeria Dr San Jose, CA 95134 www.standardics.nxp.com/microcontrollers/			
DRAWN	11/5/2014				
CHECKED					
ISSUED	09/07/14	SIZE	FSCM NO.	DWG. NO.	REV
		D		SENSRLD-03	A
SCALE		SHEET 1 OF 05			

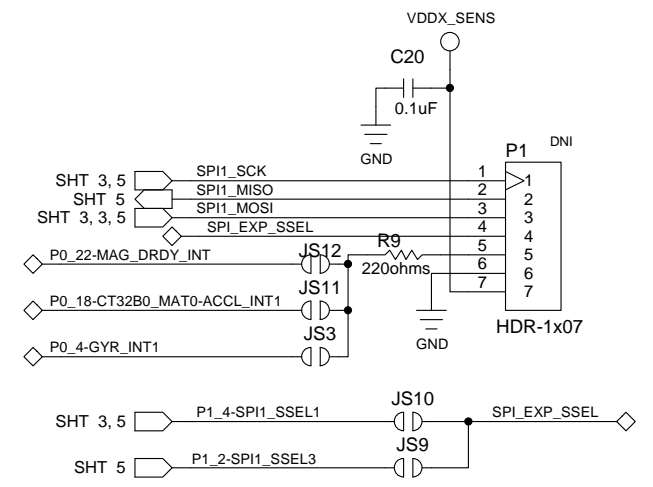
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



Ensure VDDIO is 1.8V before
jumpering these sensors to I2C bus.

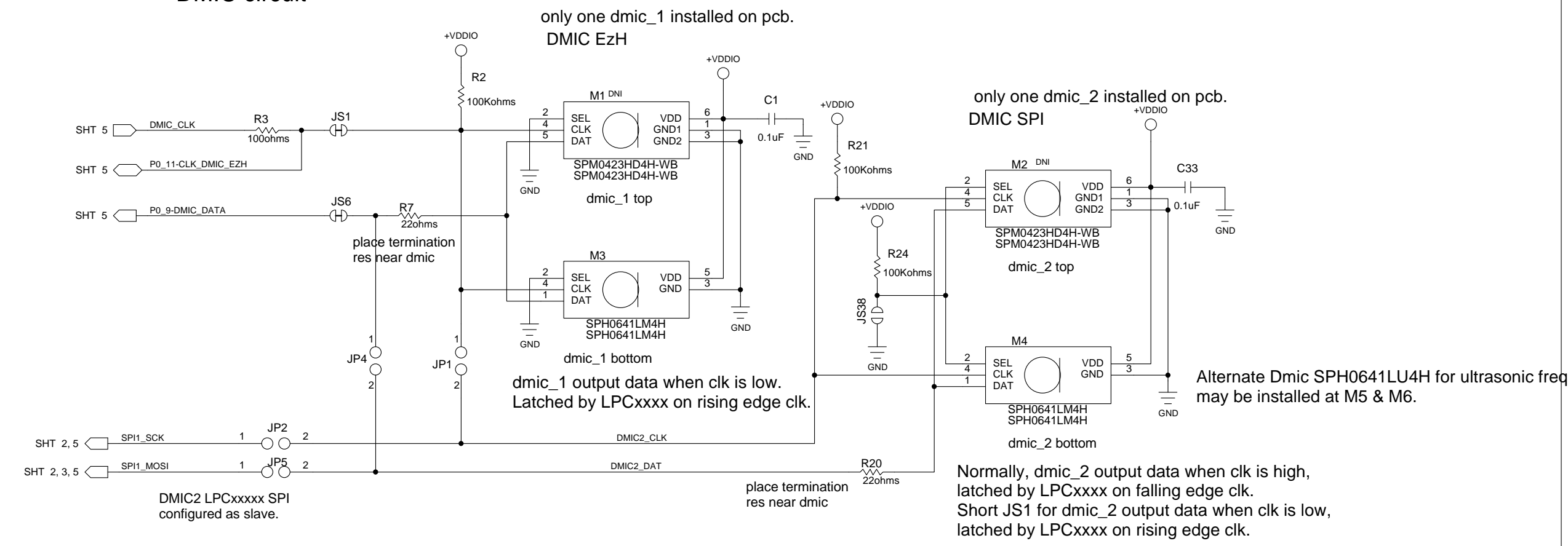
Sensor I2C Expansion

Sensor SPI Expansion

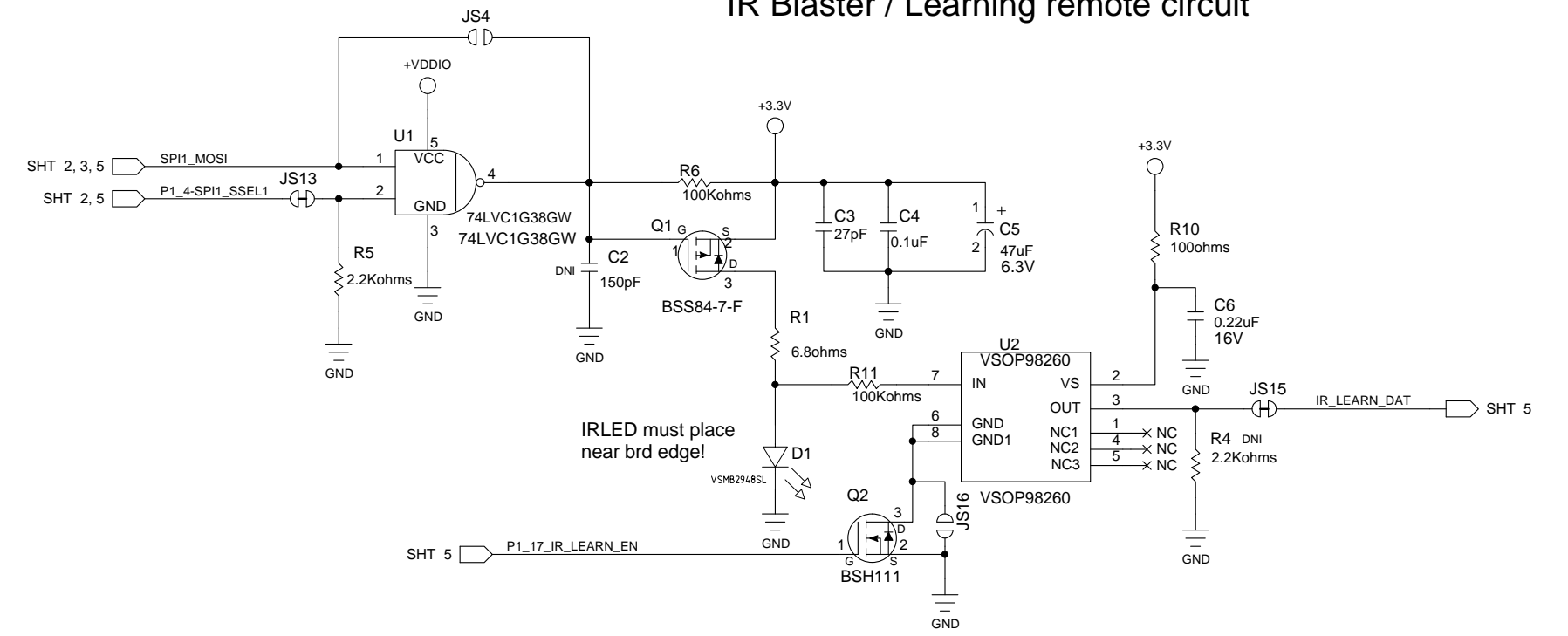


CONTRACT NO.		I2C / SPI Sensors		
APPROVALS	DATE	NXP Semiconductors 411 E. Plumeria Dr San Jose, CA 95134 www.standardics.nxp.com/microcontrollers/		
DRAWN	10/7/2014			
CHECKED		SIZE	FSCM NO.	DWG. NO.
ISSUED	09/07/14	D		SENS_HLD-03
		SCALE		SHEET 2 OF 05

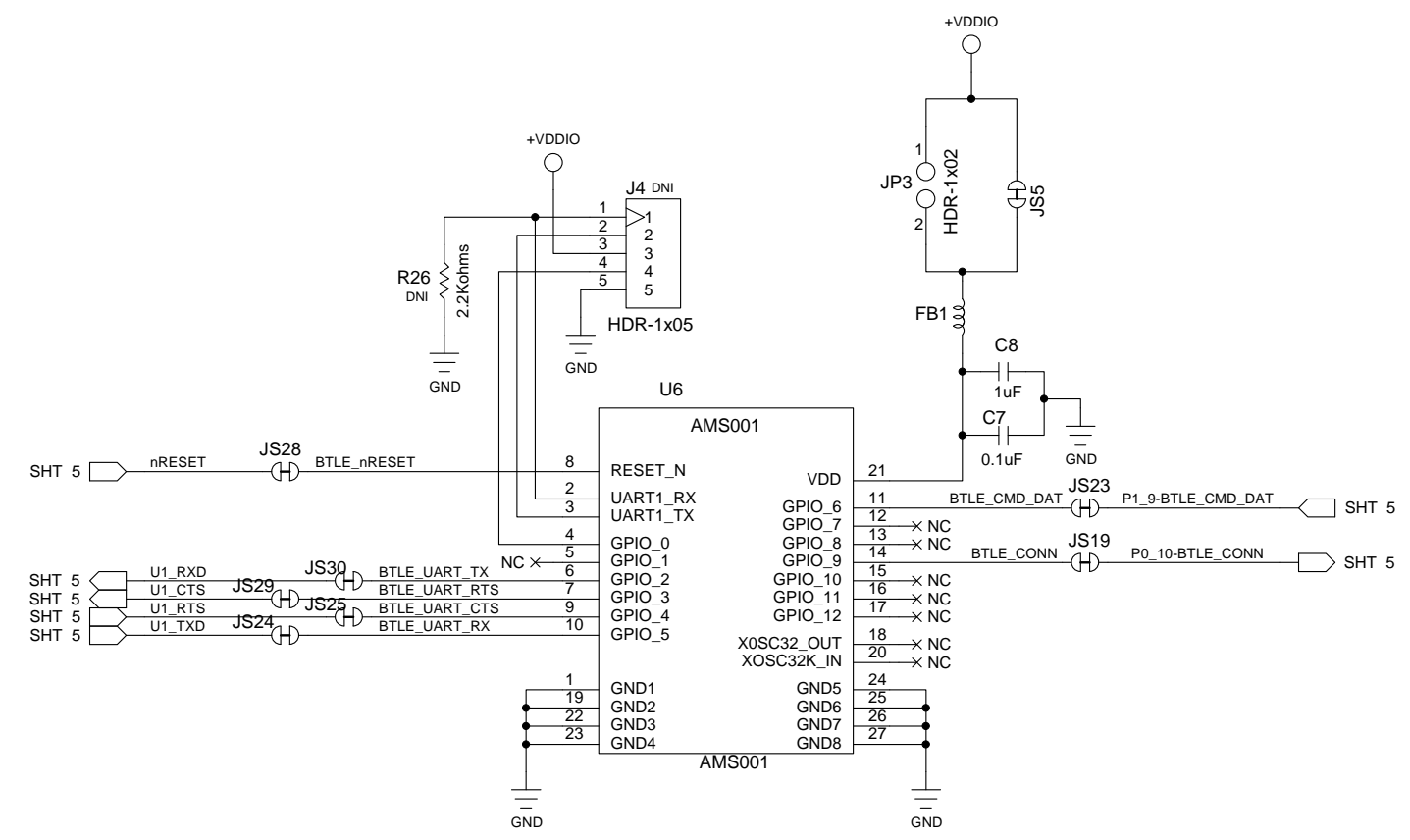
DMIC circuit



IR Blaster / Learning remote circuit



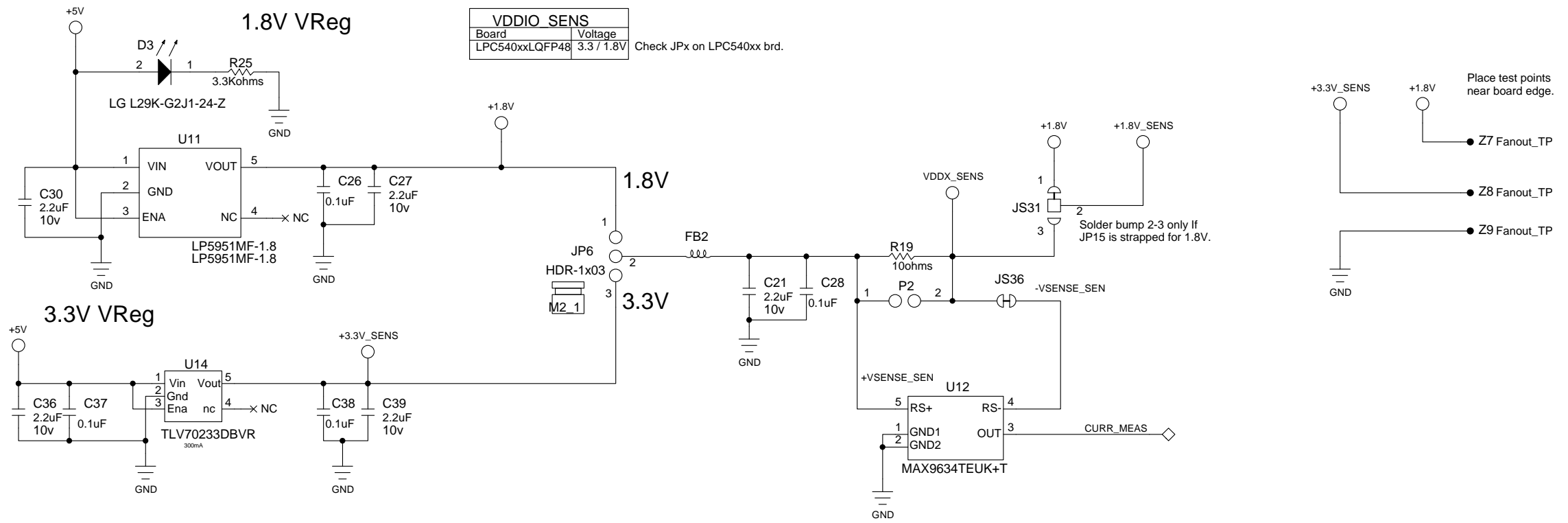
CONTRACT NO.		DMIC, IR Blaster		
APPROVALS	DATE	NXP Semiconductors		
DRAWN	D. Consiglio	411 E. Plumeria Dr		
CHECKED		San Jose, CA 95134		
ISSUED	09/07/14	SIZE / FSCM NO.	DWG. NO.	REV
		D	SENSULD-03	A
		SCALE	SHEET	3 OF 05



CONTRACT NO.		I2C/SPI Bridge w/ voltage translation			
APPROVALS	DATE	NXP Semiconductors 411 E. Plumeria Dr San Jose, CA 95134 www.standardics.nxp.com/microcontrollers/			
DRAWN	D. Consiglio				10/7/2014
CHECKED					
ISSUED	09/07/14	SIZE	FSCM NO.	DWG. NO.	
		D		SENSRLD-03	
		SCALE		SHEET 4 OF 05	

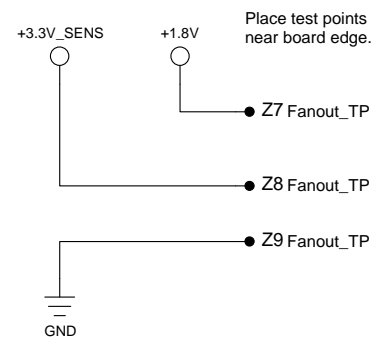
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

Caution - Ensure VDDIO_SENS is strapped for the proper voltage before plugging the sensor shield board into the CPU board.

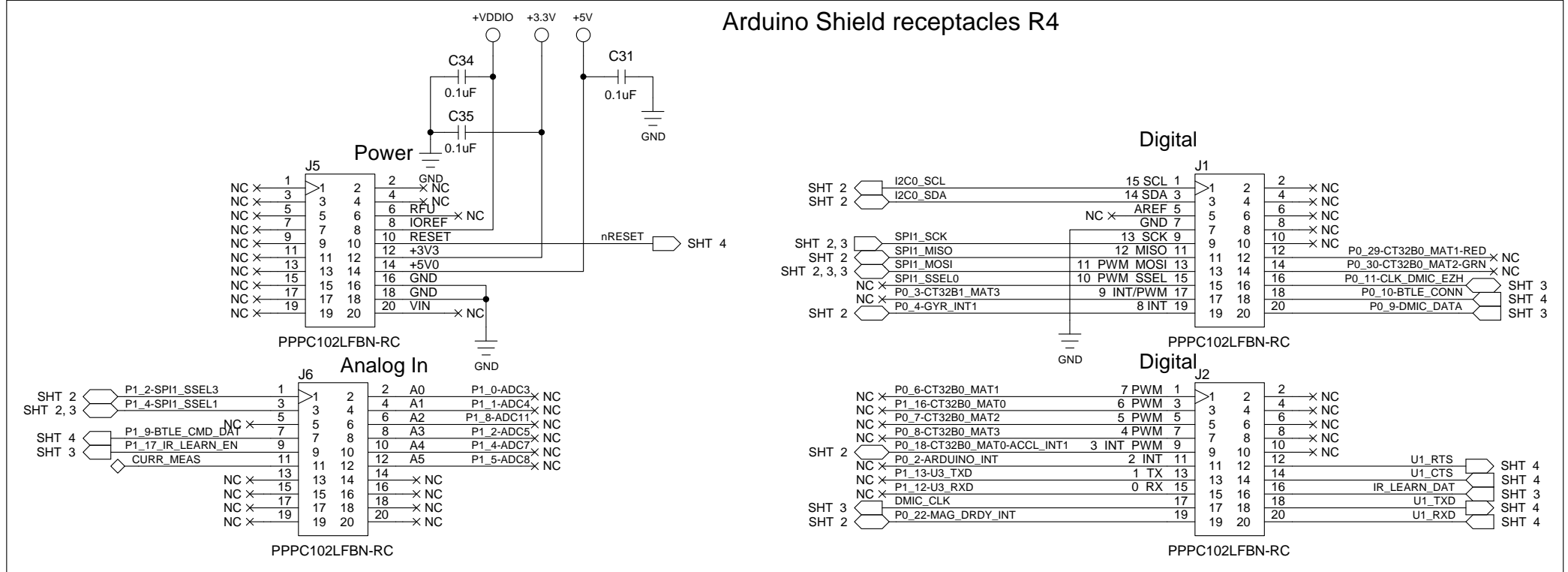


VDDIO_SENS	
Board	Voltage
LPC540xxLQFP48	3.3 / 1.8V

Check JPx on LPC540xx brd.



Arduino Shield receptacles R4



CONTRACT NO.		Xpresso / Arduino / Power supply		
APPROVALS	DATE	NXP Semiconductors 411 E. Plumeria Dr San Jose, CA 95134 www.standardics.nxp.com/microcontrollers/		
DRAWN	10/7/2014			
CHECKED				
ISSUED	09/07/14			
		SIZE	FSCM NO.	DWG. NO.
		D		SENSRLD-03
		SCALE		SHEET 5 OF 05