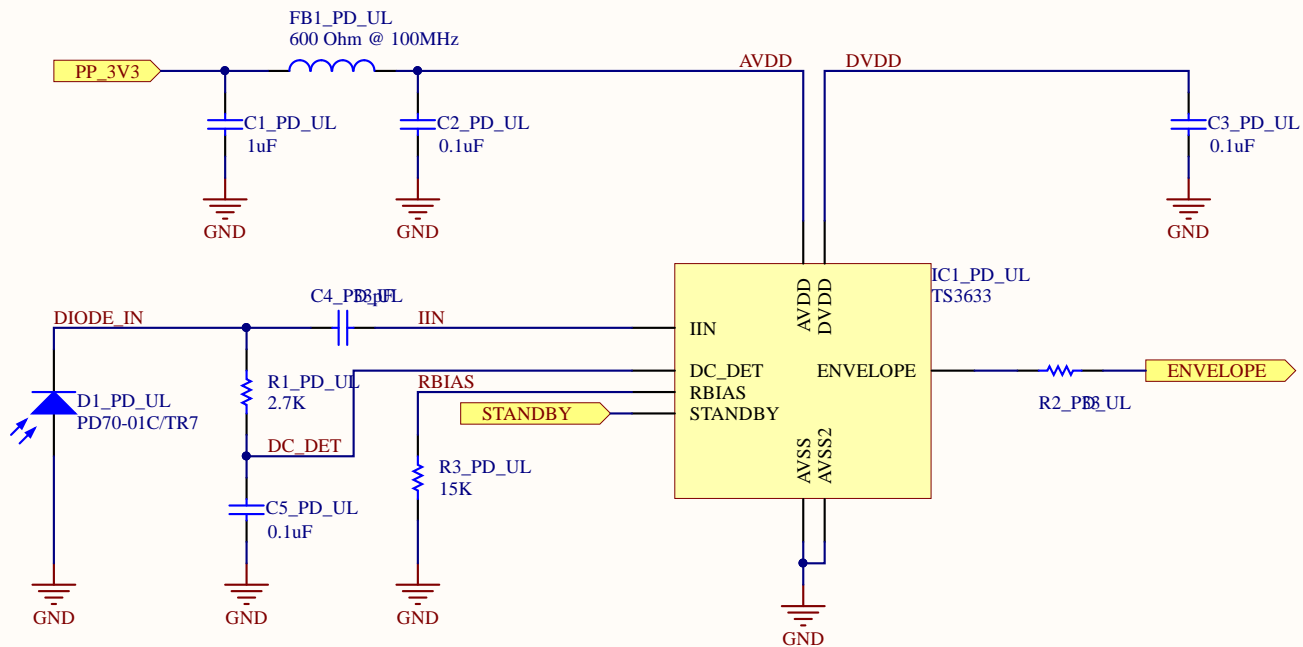
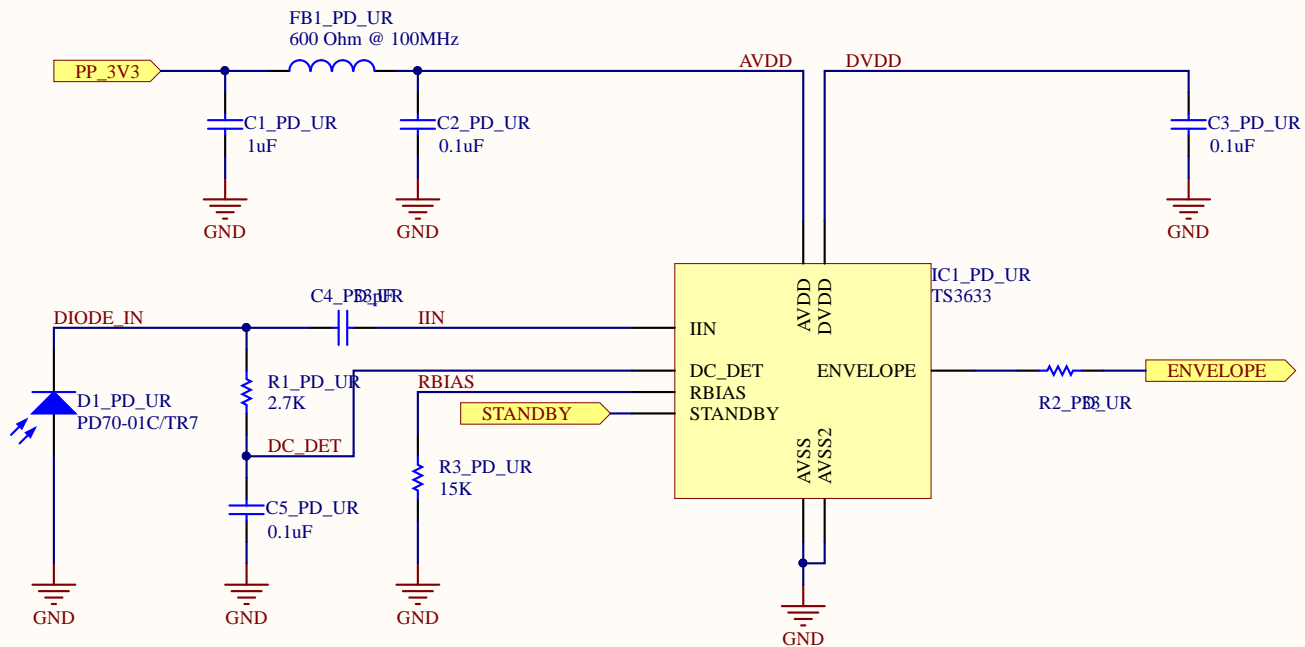


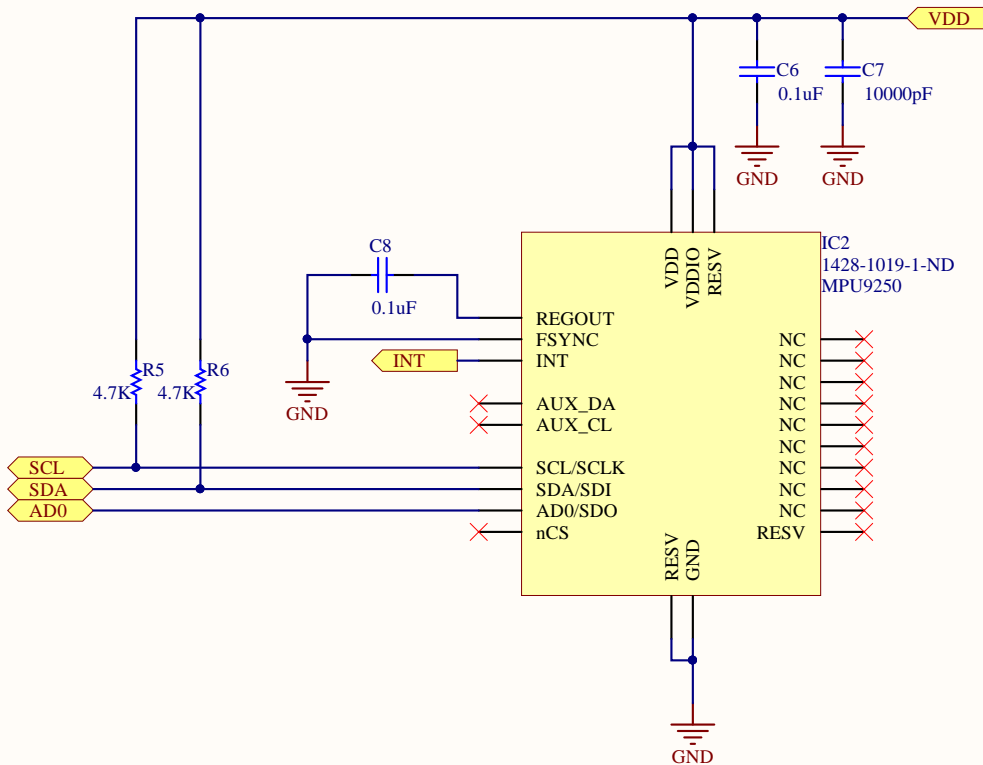
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VRduino photodiode				
Size	Number		Revision	
A			0.4	
Date:	5/23/2018		Sheet of	
File:	C:\Users\...\photodiode.SchDoc		Drawn By: kmolner@alumni.stanford.edu	



Title			VRduino photodiode	
Size	Number	Revision		0.4
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File:	C:\Users\...\photodiode.SchDoc	Drawn By:	kmolner@alumni.stanford.edu	

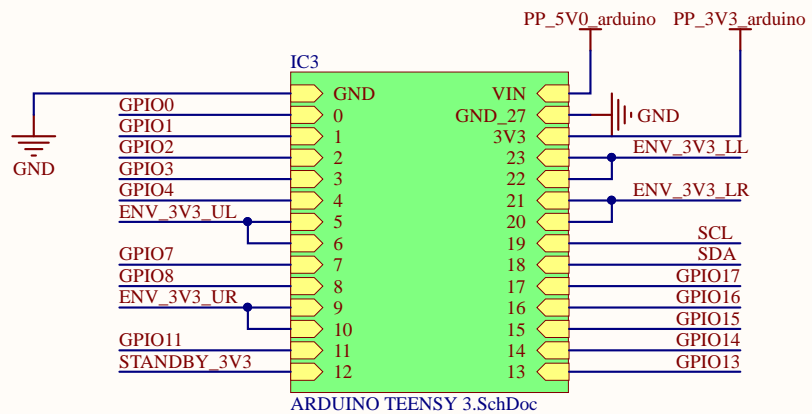


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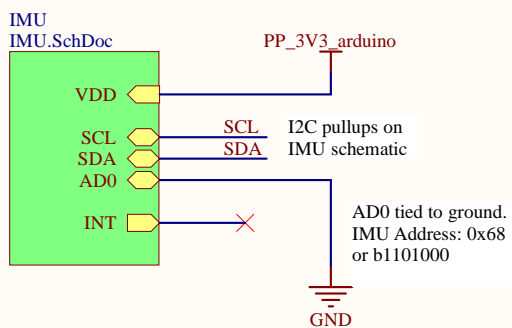


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Date:	5/23/2018		Sheet of	
File:	C:\Users\...\IMU.SchDoc		Drawn By:	kmolner@alumni.stanford.edu

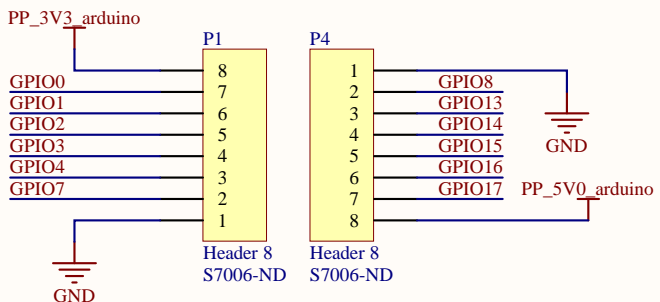
A



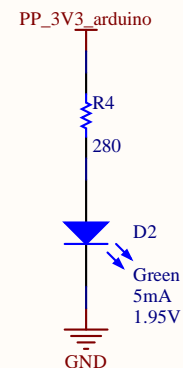
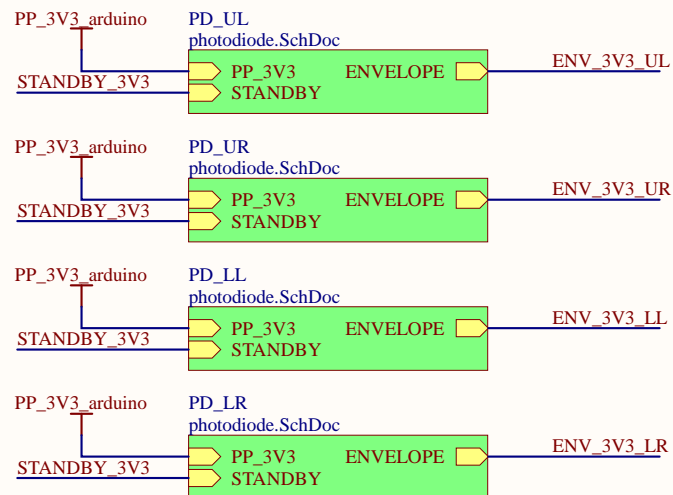
B



C



D



Title Cannot open file C:\Users\CompImgLab\Box		
Size A	Number	Revision 0.4
Date:	5/23/2018	Sheet of
File:	C:\Users\CompImgLab\Box\pos_tracker_rev4.SchDoc	Drawn By: kmolner@alumni.stanford.edu



VRduino

REV 0.1c

GND
GPIOD8
GPIOD13
GPIOD14
GPIOD15
GPIOD16
GPIOD17
5V0

POWER

USB

GND
GPIOD7
GPIOD4
GPIOD3
GPIOD2
GPIOD1
GPIOD0
3V3

D+IR
D-IR
D+IR
D-IR

UL
UL
UL

UL
UL
UL

D+IR
D-IR
D+IR
D-IR

Comment	Description	Designator	Footprint	LibRef	Quantity
GRM155R60J105KE19D	1µF 6.3V Ceramic Capacitor X5R 0402 (1005 Metric)	C1_PD_LL, C1_PD_LR, C1_PD_UL, C1_PD_UR	0402	GRM155R60J105KE19D	4
GRM155R71C104KA88J	0.10µF 16V Ceramic Capacitor X7R 0402 (1005 Metric)	C2_PD_LL, C2_PD_LR, C2_PD_UL, C2_PD_UR, C3_PD_LL, C3_PD_LR, C3_PD_UL, C3_PD_UR, C5_PD_LL, C5_PD_LR, C5_PD_UL, C5_PD_UR, C6, C8	0402	GRM155R71C104KA88J	14
GRM1555C1H330JA01D	33pF 50V Ceramic Capacitor C0G, NP0 0402 (1005 Metric)	C4_PD_LL, C4_PD_LR, C4_PD_UL, C4_PD_UR	0402	GRM1555C1H330JA01D	4
GRM155R70J103KA01D	10000pF ±10% 6.3V Ceramic Capacitor X7R 0402 (1005 Metric)	C7	0402	GRM155R70J103KA01D	1
PD70-01C/TR7	Photodiode 940nm 50ns 2-SMD, Gull Wing	D1_PD_LL, D1_PD_LR, D1_PD_UL, D1_PD_UR	PD70-01C/TR7	PD70-01C/TR7	4
LNJ347W83RA	Green 572nm LED Indication - Discrete 1.95V, 5mA, 0402	D2	0402	LNJ347W83RA	1
BK1005HW601-T	FERRITE BEAD 600 OHM 0402 1LN	FB1_PD_LL, FB1_PD_LR, FB1_PD_UL, FB1_PD_UR	0402	BK1005HW601-T	4
TS3633	Valve SteamVR® Tracking Compatible Light to Digital Integrated Circuit	IC1_PD_LL, IC1_PD_LR, IC1_PD_UL, IC1_PD_UR	BGA9C50P3X3_166 X166X60	TS3633	4
MPU9250	Accelerometer, Gyroscope, Magnetometer, 3 Axis Sensor I²C, SPI Output	IC2	QFN127P600-8N	MPU9250	1
LOGO	VRduino Logo	LOGO	LOGO	VRduino Logo	1
Header 8	Header, 8-Pin	P1, P4	HDR1X8	Header 8	2
Header 14	Header, 14-Pin	P2, P3	HDR1X14	Header 14	2
RC0402FR-072K7L	RES SMD 2.7K OHM 1% 1/16W 0402	R1_PD_LL, R1_PD_LR, R1_PD_UL, R1_PD_UR	0402	RC0402FR-072K7L	4
ERJ-2RKF33R0X	RES SMD 33 OHM 1% 1/10W 0402	R2_PD_LL, R2_PD_LR, R2_PD_UL, R2_PD_UR	0402	ERJ-2RKF33R0X	4
ERJ-2RKF1502X	RES SMD 15K OHM 1% 1/10W 0402	R3_PD_LL, R3_PD_LR, R3_PD_UL, R3_PD_UR	0402	ERJ-2RKF1502X	4
ERJ-2RKF2800X	RES SMD 280 OHM 1% 1/10W 0402	R4	0402	ERJ-2RKF2800X	1
RC0402FR-074K7L	RES SMD 4.7K OHM 1% 1/16W 0402	R5, R6	0402	RC0402FR-074K7L	2