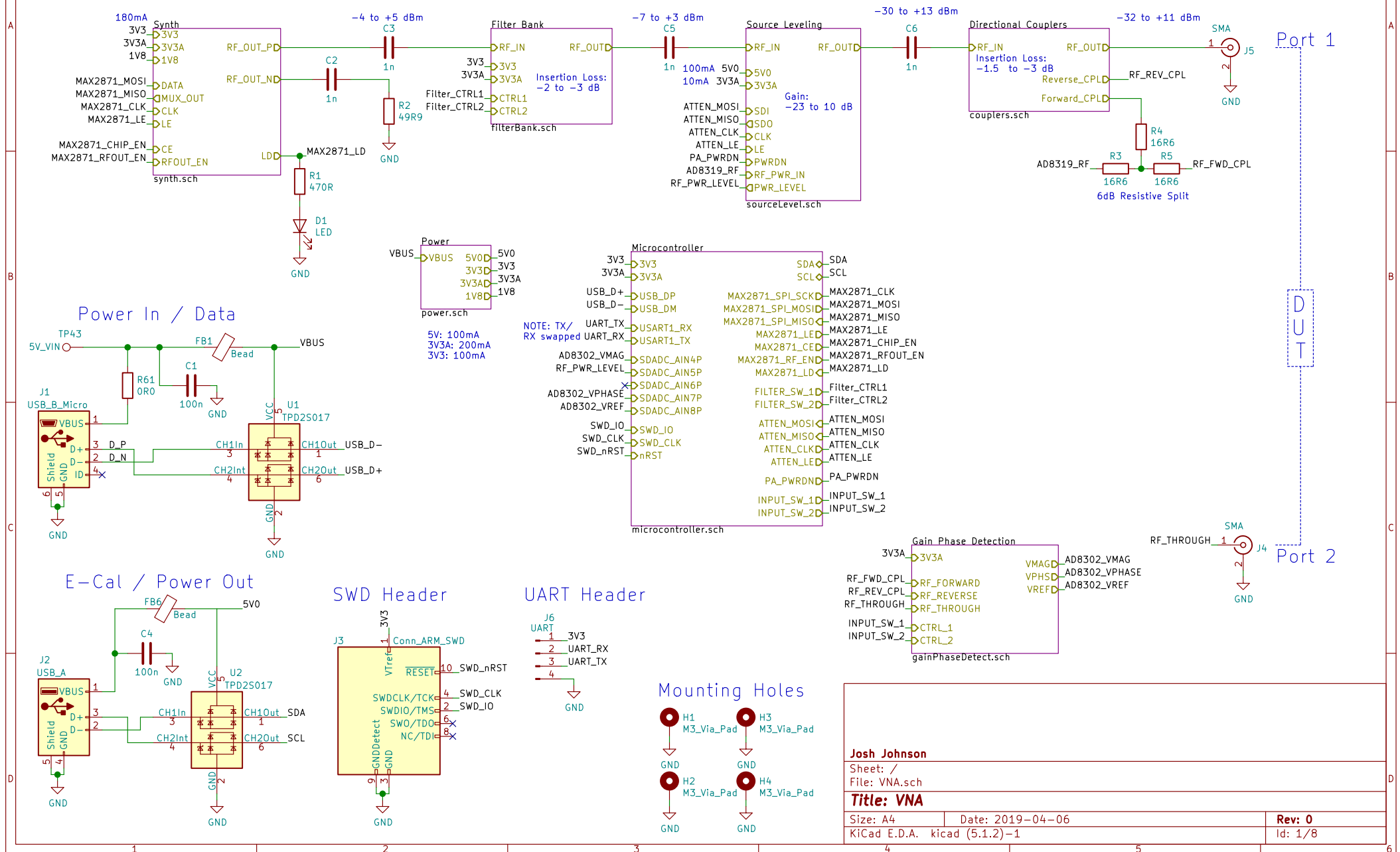
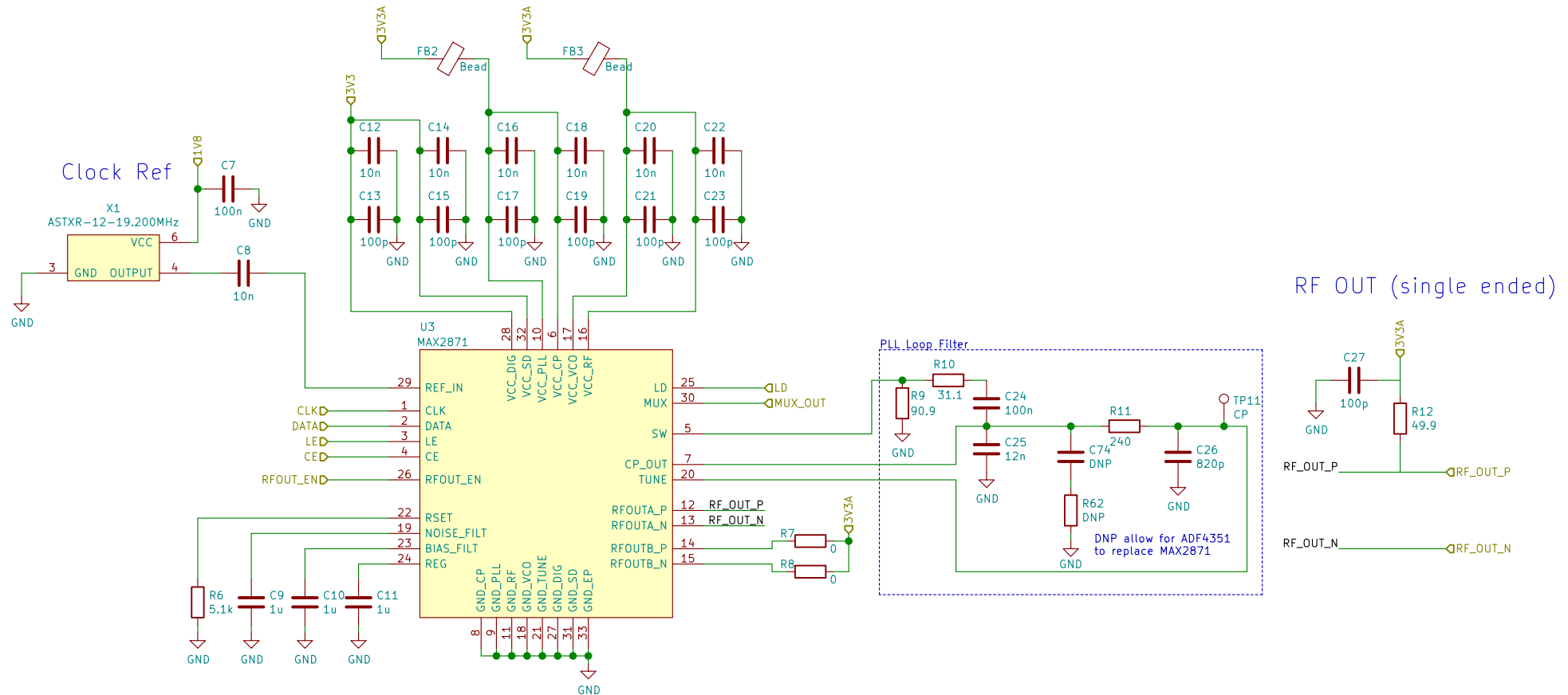


Josh's VNA



MAX2871: 23.5 – 6000 MHz PLL



Josh Johnson

Sheet: /Synth/
File: synth.sch

Title: Synth

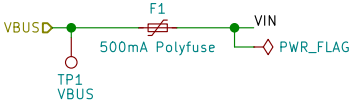
Size: A4 Date: 2019-04-06

KiCad E.D.A. kicad (5.1.2)-1

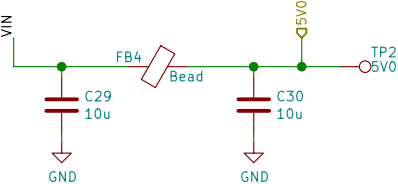
Rev: 0

Id: 2/8

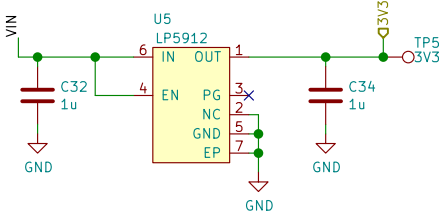
Input Protection



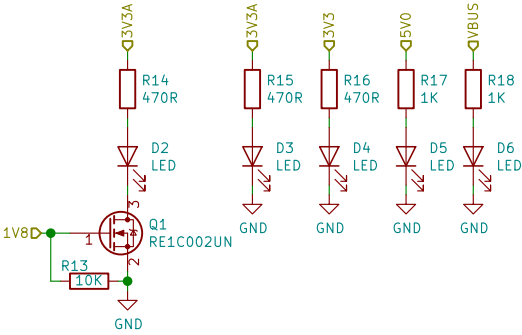
5V (Filtered)



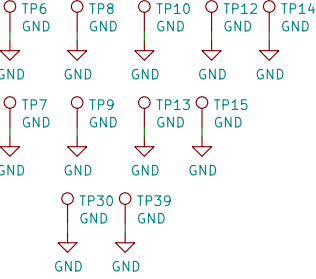
3V3 LDO



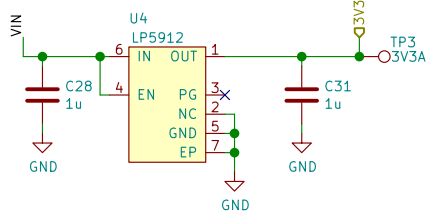
Voltage Rail LEDs



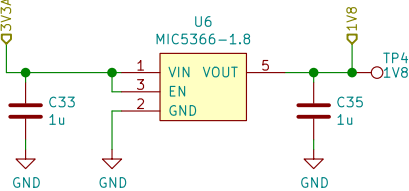
Ground Test Points

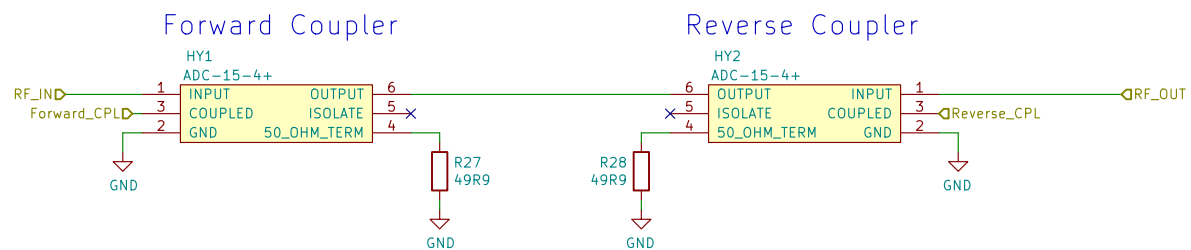


3V3A LDO



1V8 LDO





Josh Johnson

Sheet: /Directional Couplers/
File: couplers.sch

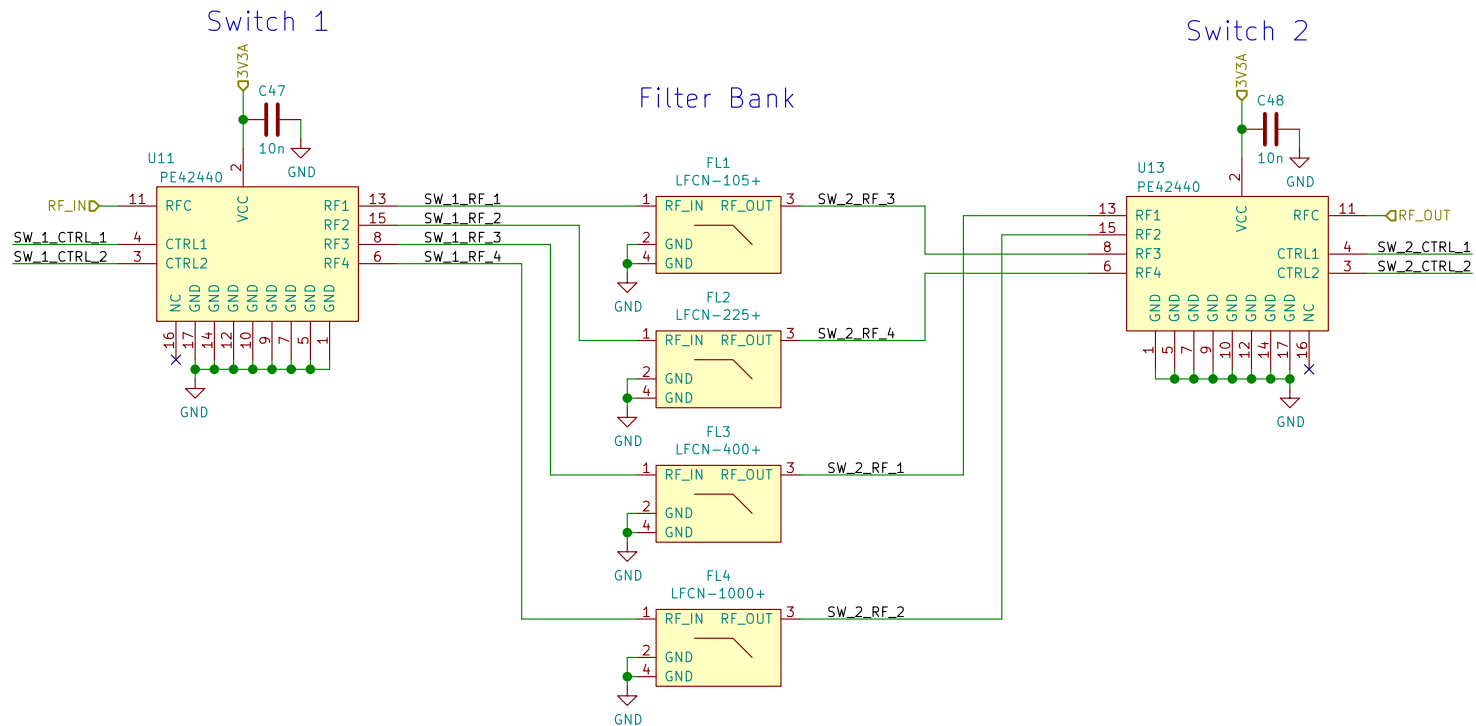
Title: Directional Couplers

Size: A4 Date: 2019-04-06

KiCad E.D.A. kicad (5.1.2)-1

Rev: 0

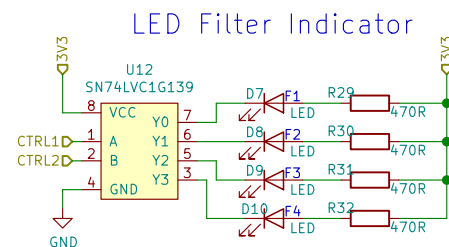
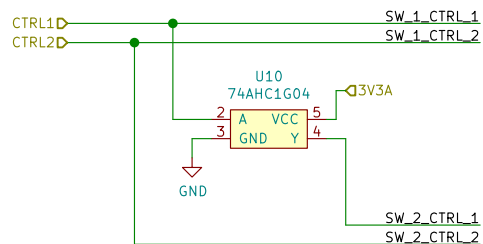
Id: 5/8



Switch Configuration

74AHC1G04 is a not gate, used to allow the below truth tables to be correct with only two control lines following the values in the first table

SW_1	CTRL_1	CTRL_2	SW_2	CTRL_1	CTRL_2
1	0	0	3	1	0
2	0	1	4	1	1
3	1	0	1	0	0
4	1	1	2	0	1



Josh Johnson

Sheet: /Filter Bank/
File: filterBank.sch

Title: Filter Bank

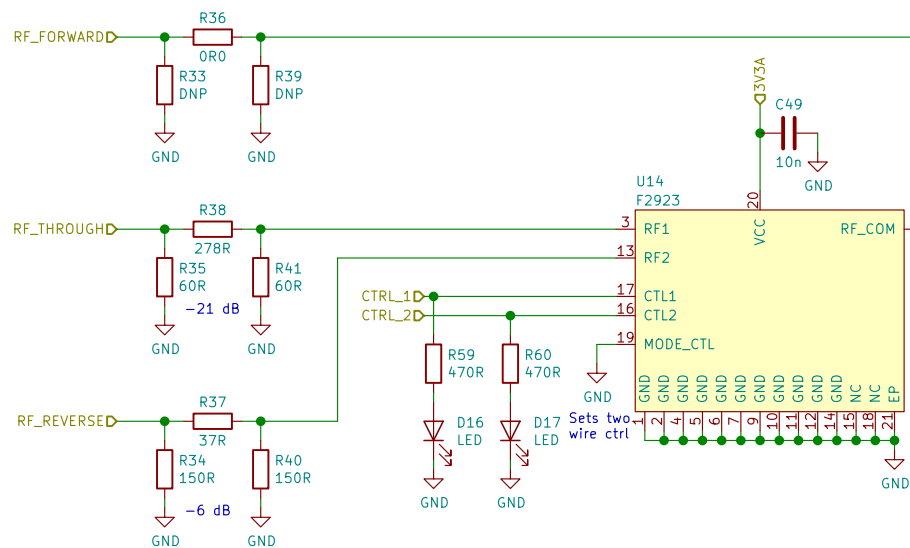
Size: A4 Date: 2019-04-06

KiCad E.D.A. kicad (5.1.2)-1

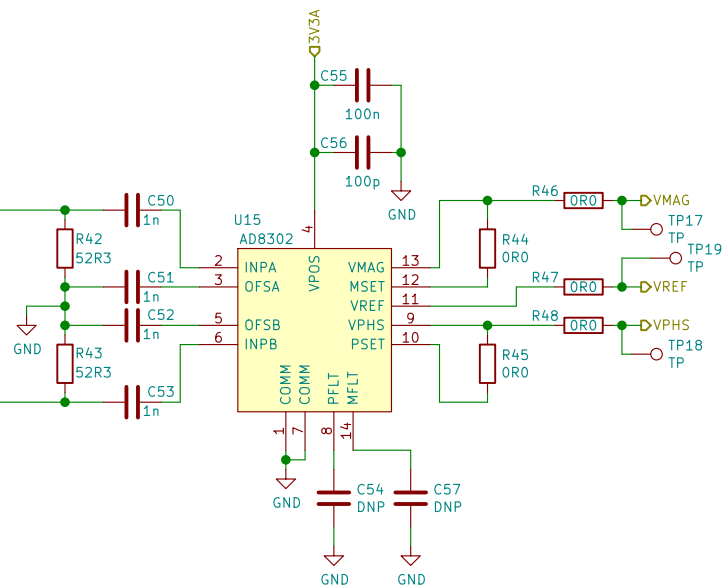
Rev: 0

Id: 6/8

Path Select



AD8302 Gain Phase Detector



Josh Johnson

Sheet: /Gain Phase Detection/
File: gainPhaseDetect.sch

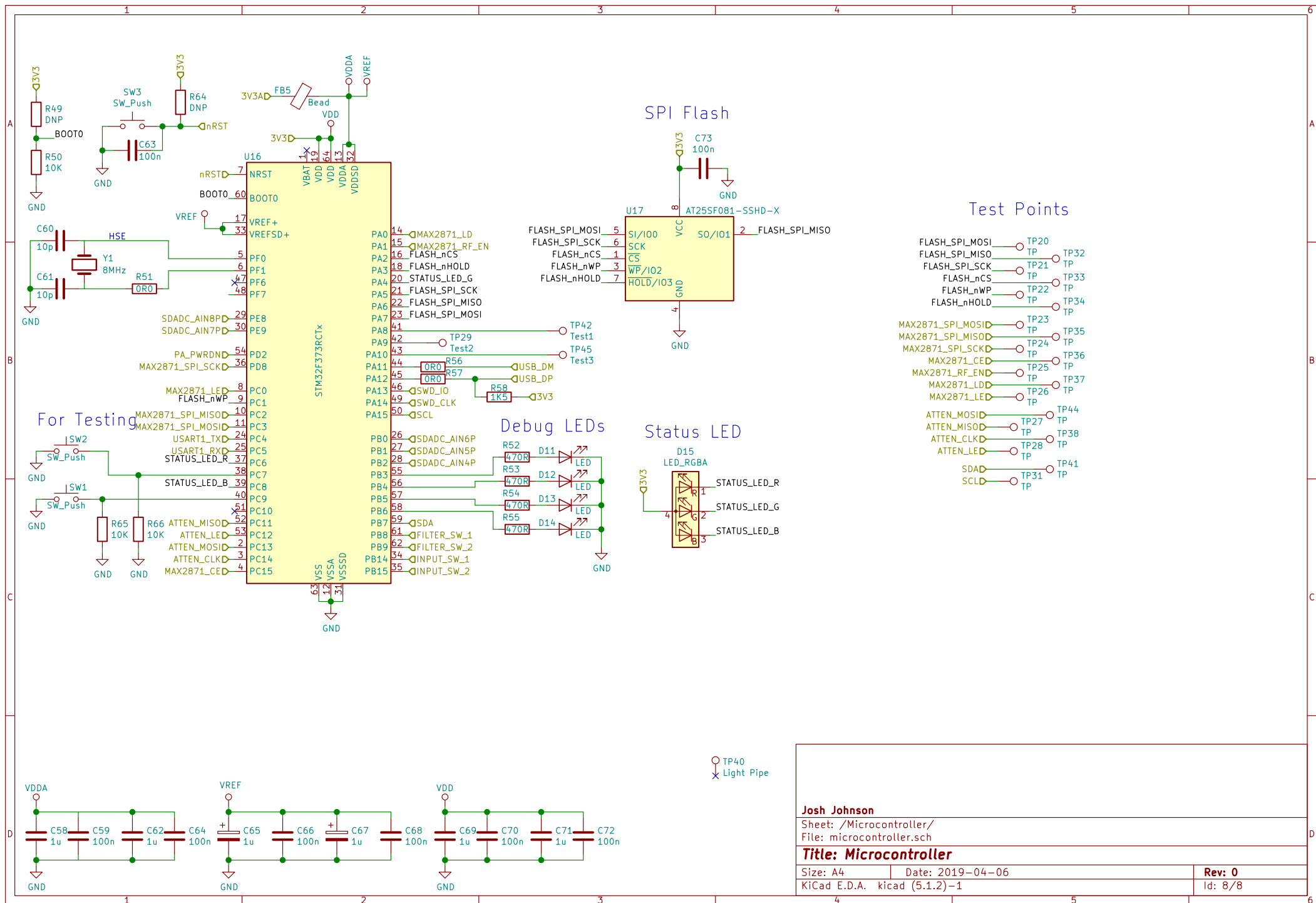
Title: Gain Phase Detector

Size: A4 Date: 2019-04-06

KiCad E.D.A. kicad (5.1.2)-1

Rev: 0

Id: 7/8



Josh Johnson

Sheet: /Microcontroller/
File: microcontroller.sch

Title: Microcontroller

Size: A4 Date: 2019-04-06

KiCad E.D.A. kicad (5.1.2)-1

Rev: 0

Id: 8/8