

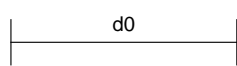
TITLE PPM | Overview

FILE: 01-overview.sch

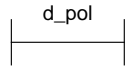
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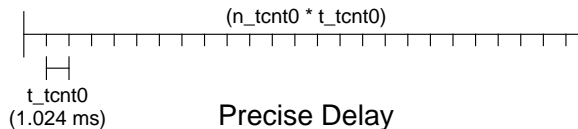
DRAWN BY: Bradley Worley



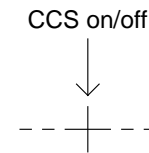
Long Delay
(Host delay)



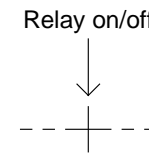
Short Delay
(MCU delay)



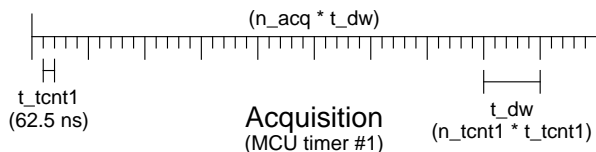
Precise Delay
(MCU timer #0)



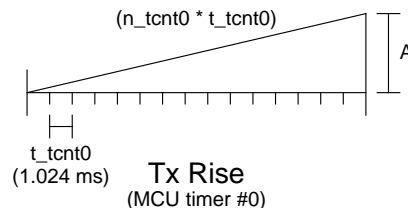
CCS Enable
(GPIO)



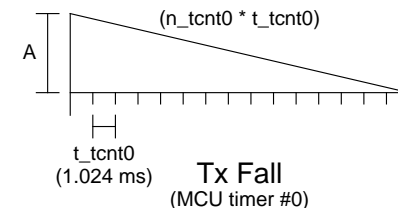
Relay Enable
(GPIO)



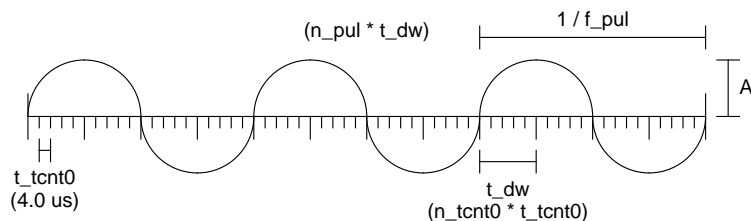
Acquisition
(MCU timer #1)



Tx Rise
(MCU timer #0)



Tx Fall
(MCU timer #0)



Tx Pulse
(MCU timer #0)

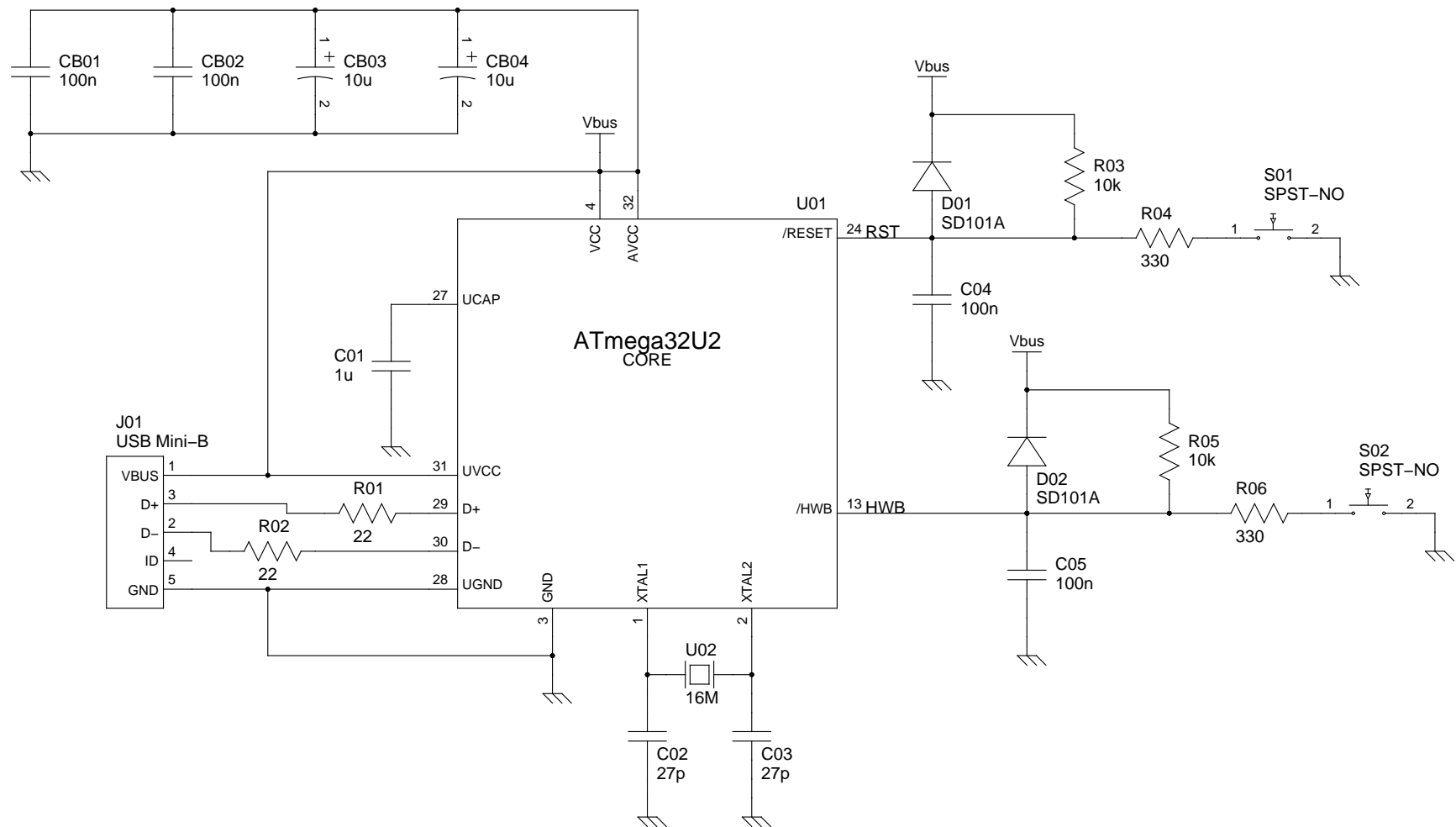
TITLE PPM | Pulse Program Elements

FILE: 02-pulprog.sch

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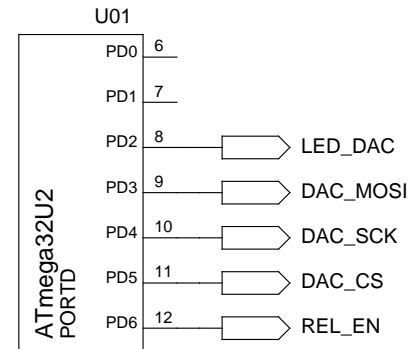
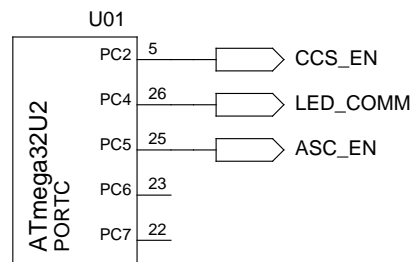
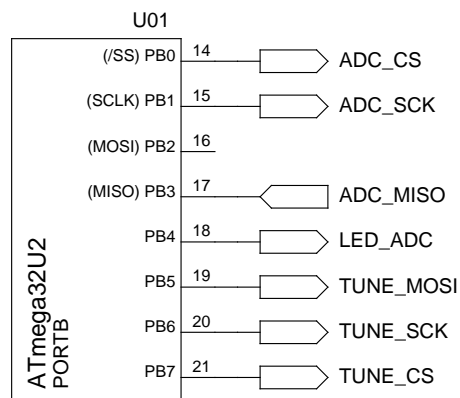
TITLE **PPM | Microcontroller Core**

FILE: 03-mcu-core.sch

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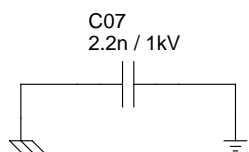
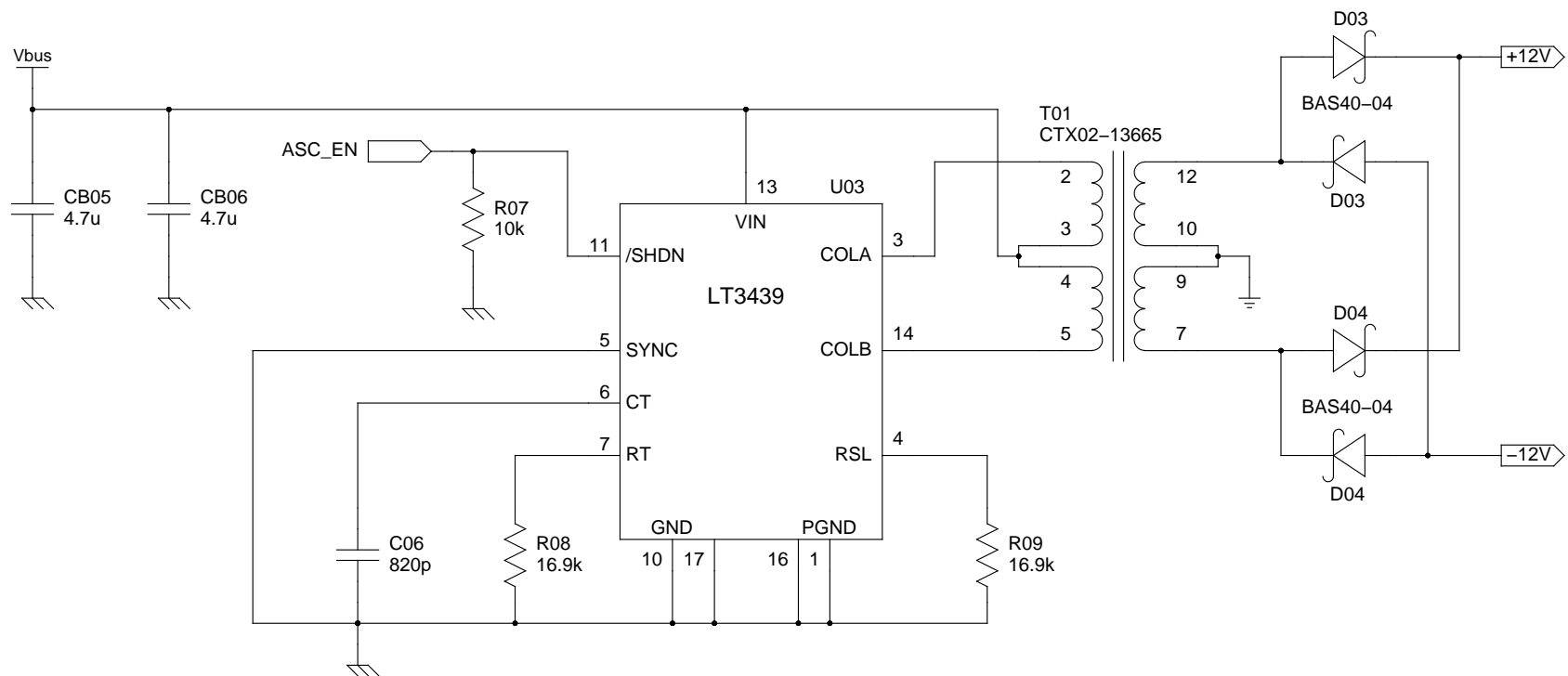
TITLE **PPM | Microcontroller I/O Ports**

FILE: 04-mcu-ports.sch

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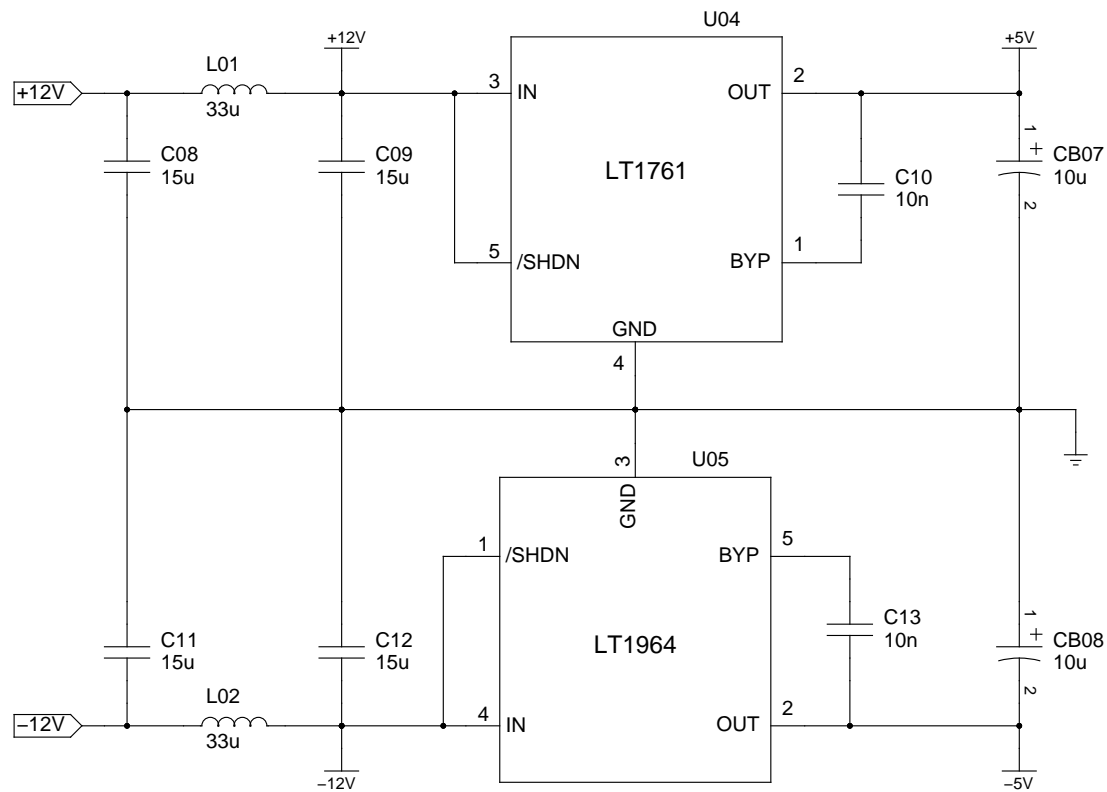
TITLE **PPM | DC/DC Transformer Driver**

FILE: 05-dcdc.sch

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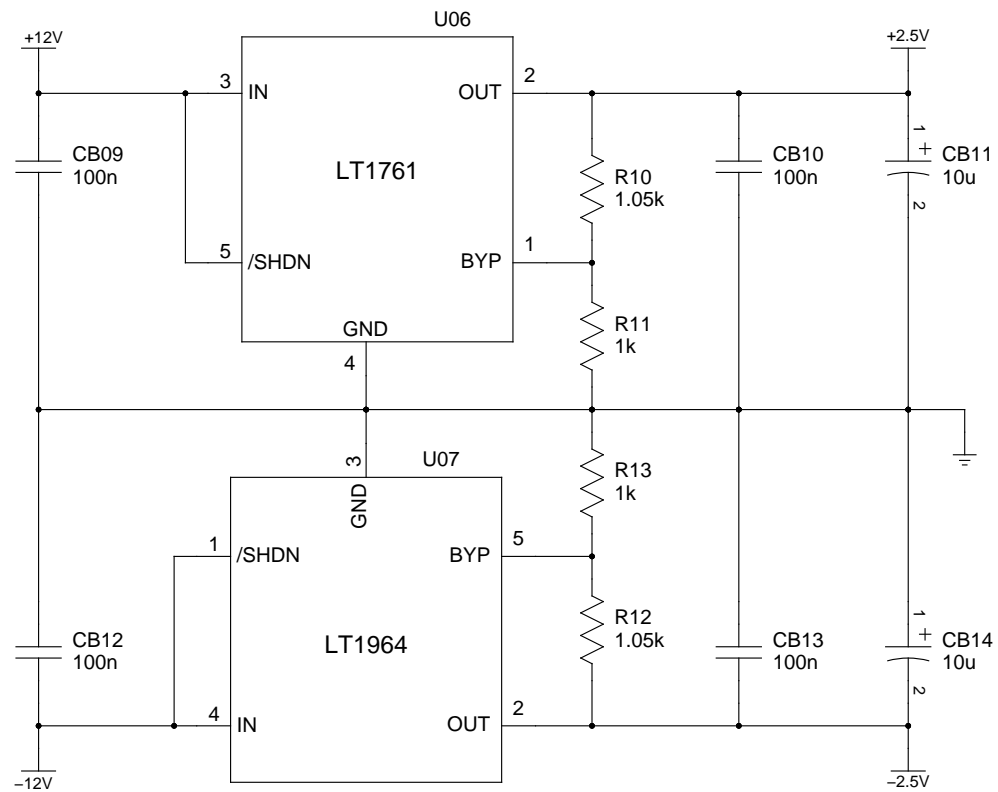
TITLE **PPM | +/- 5.0 V Low-noise Regulators**

FILE: 06-ldo-5.0v.sch

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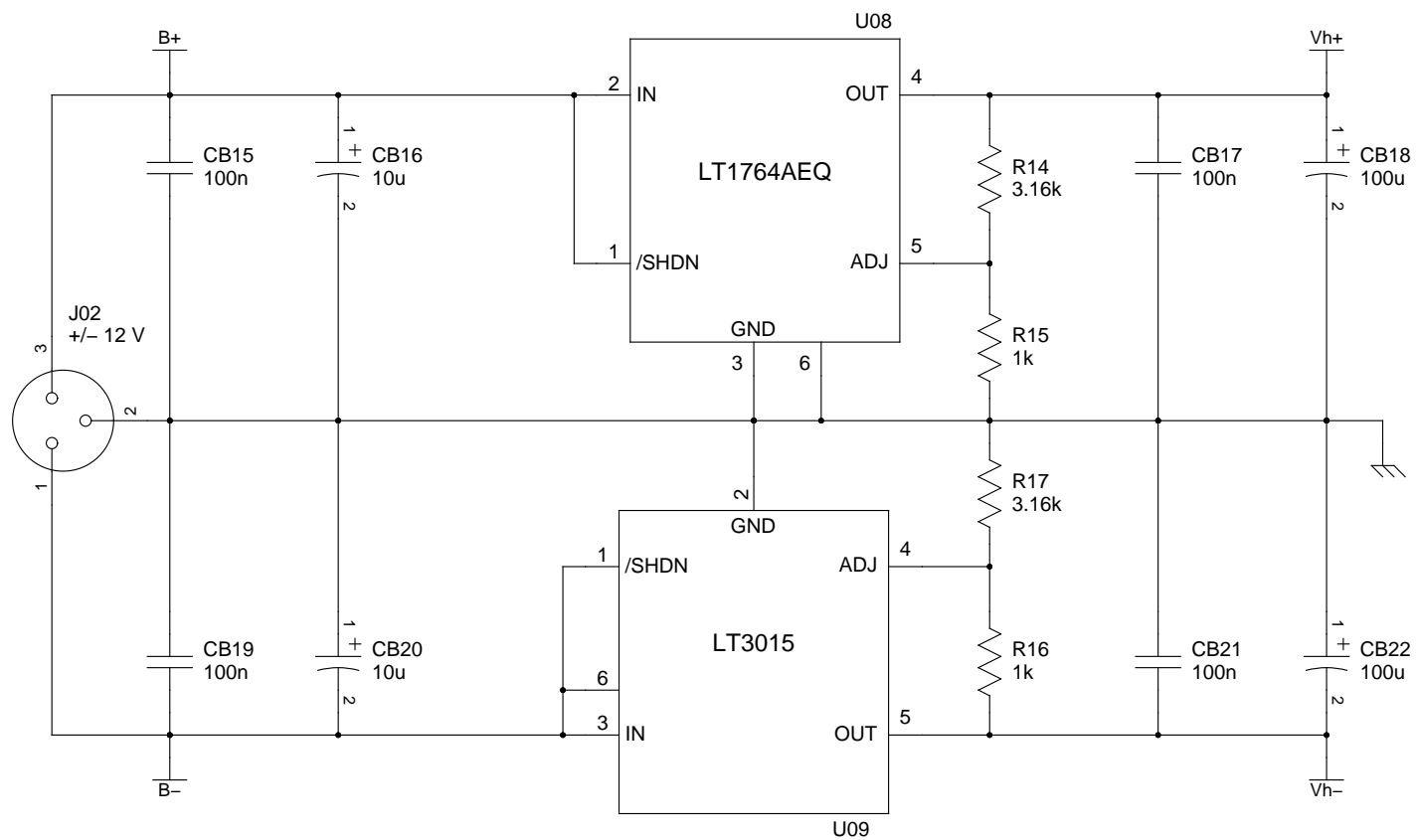
TITLE **PPM | +/- 2.5 V Low-noise Regulators**

FILE: 07-ldo-2.5v.sch

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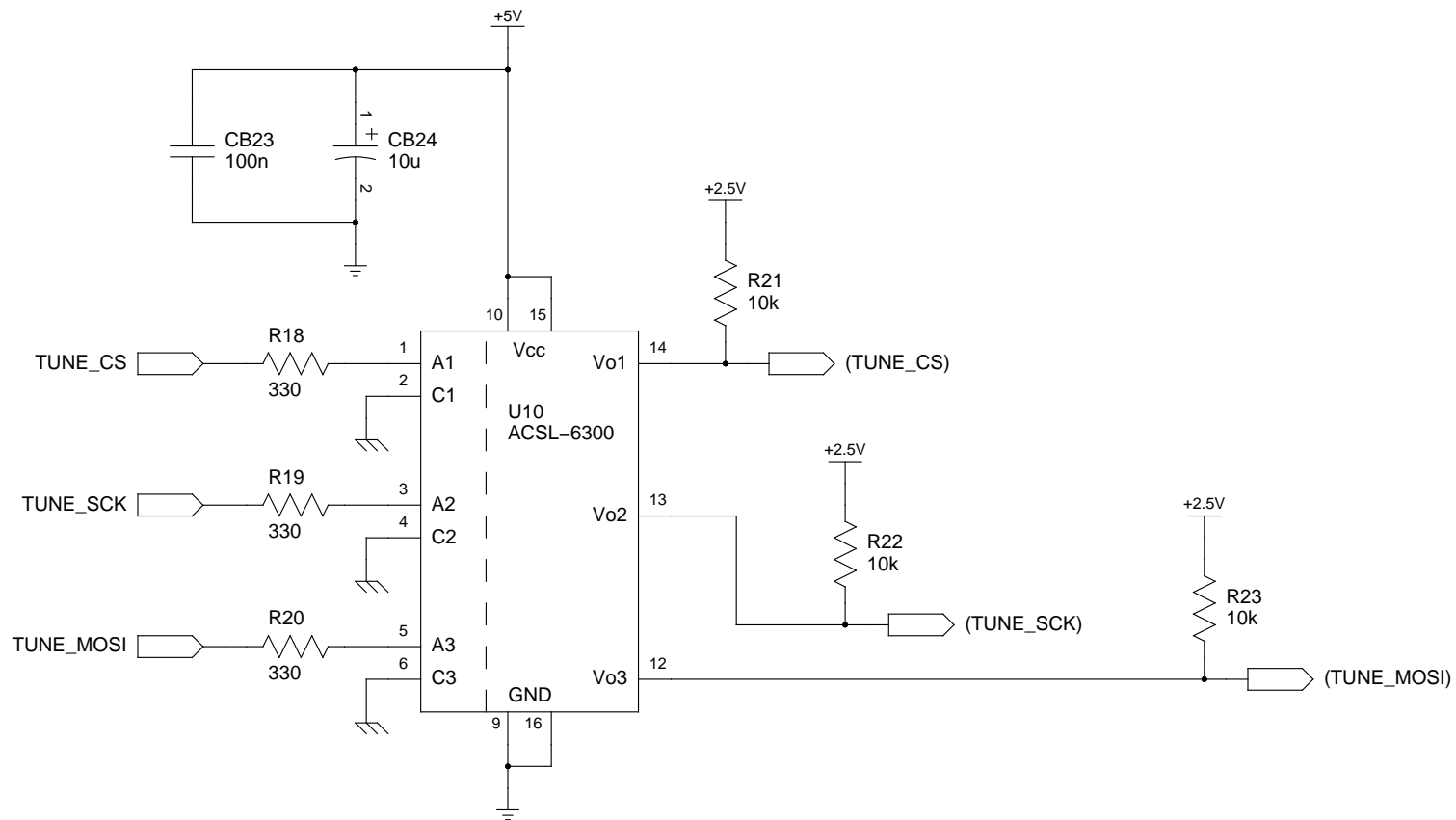
TITLE **PPM | $\pm 5.0\text{ V}$ High-current Regulators**

FILE: 08-ldo-hc.sch

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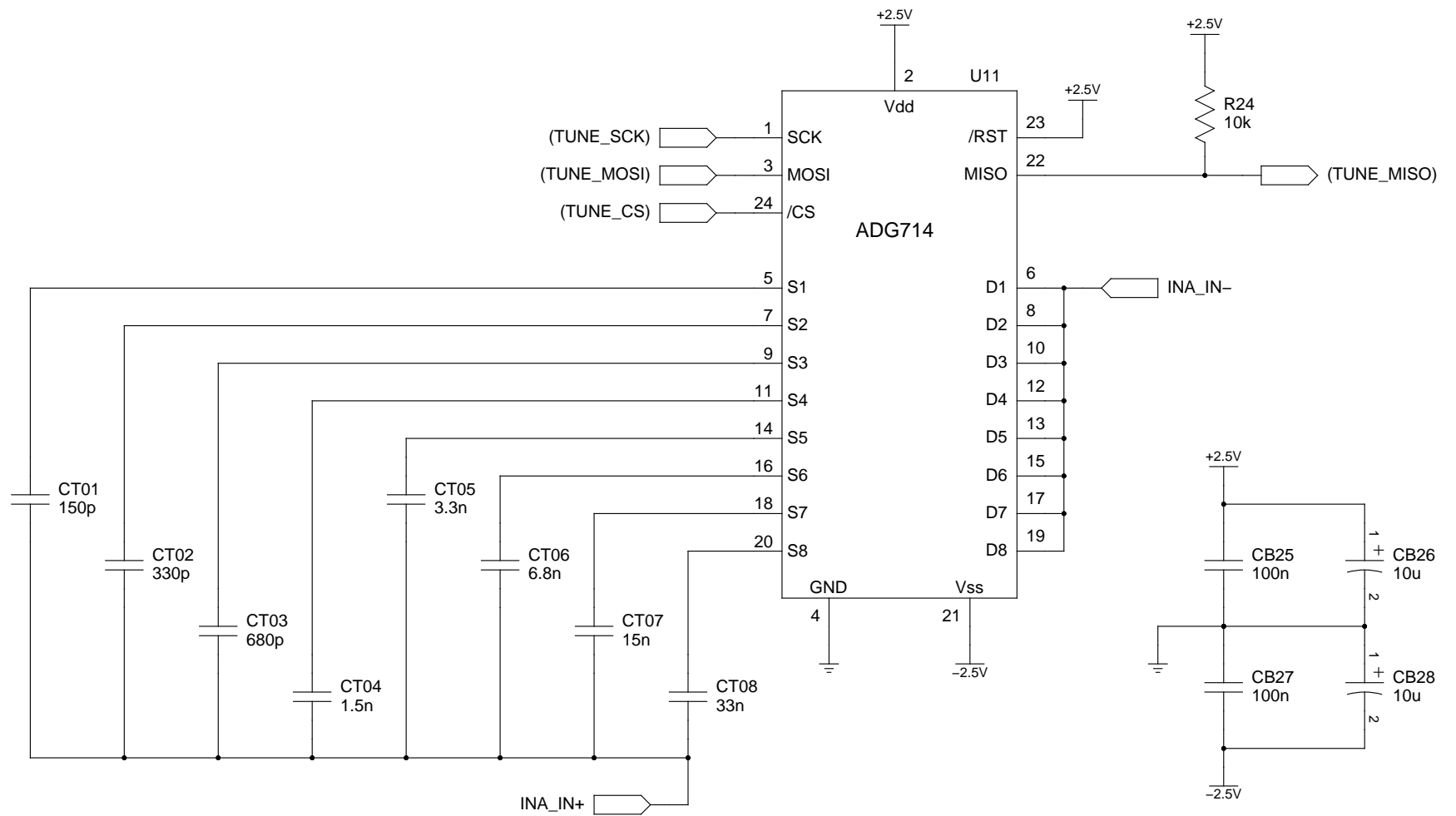
TITLE PPM | Tuning Optoisolator

FILE: 09-iso.sch

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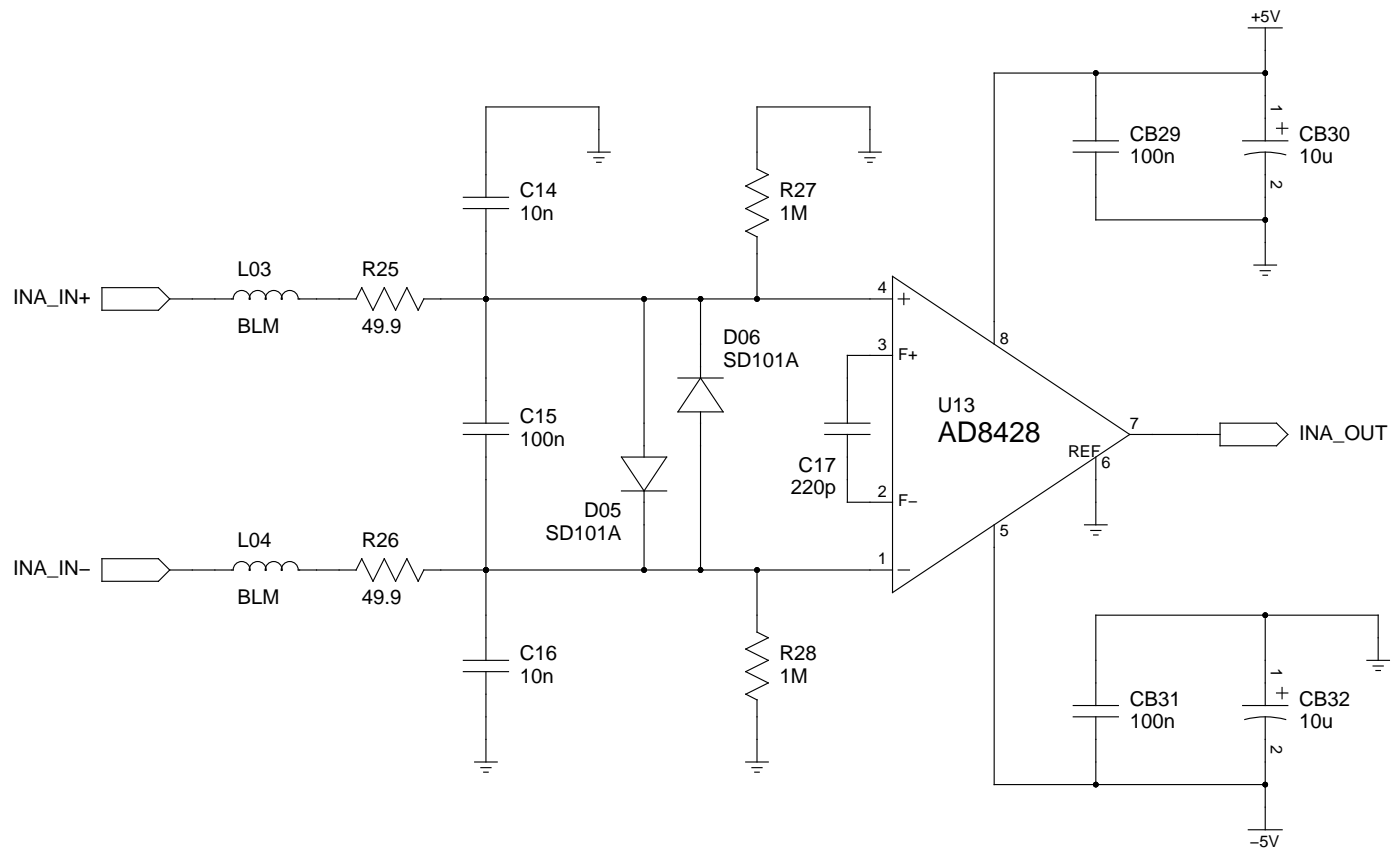
PPM | Tuning Capacitor Bank 1/2

FILE: 10-asc-tune-1of2.sch

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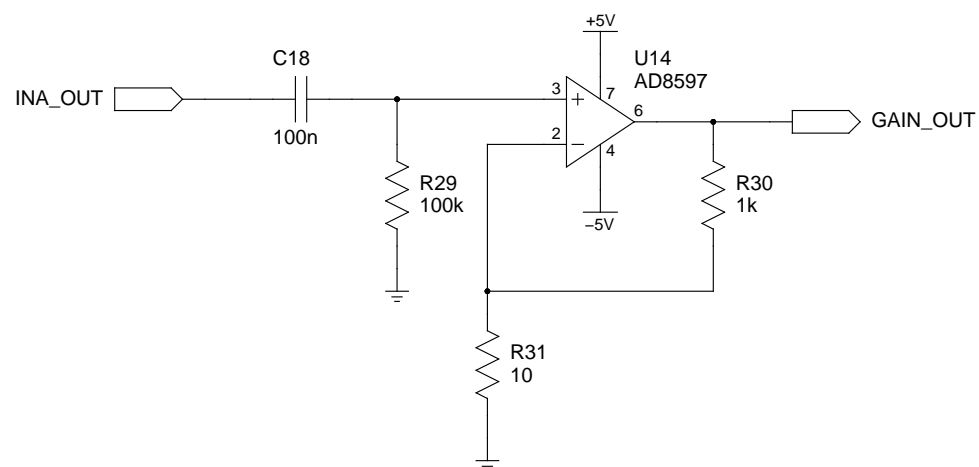
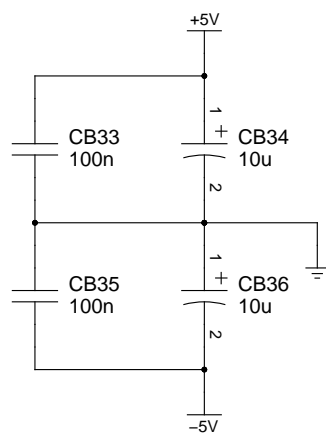
TITLE PPM | Instrumentation Amplifier

FILE: 12-asc-ina.sch

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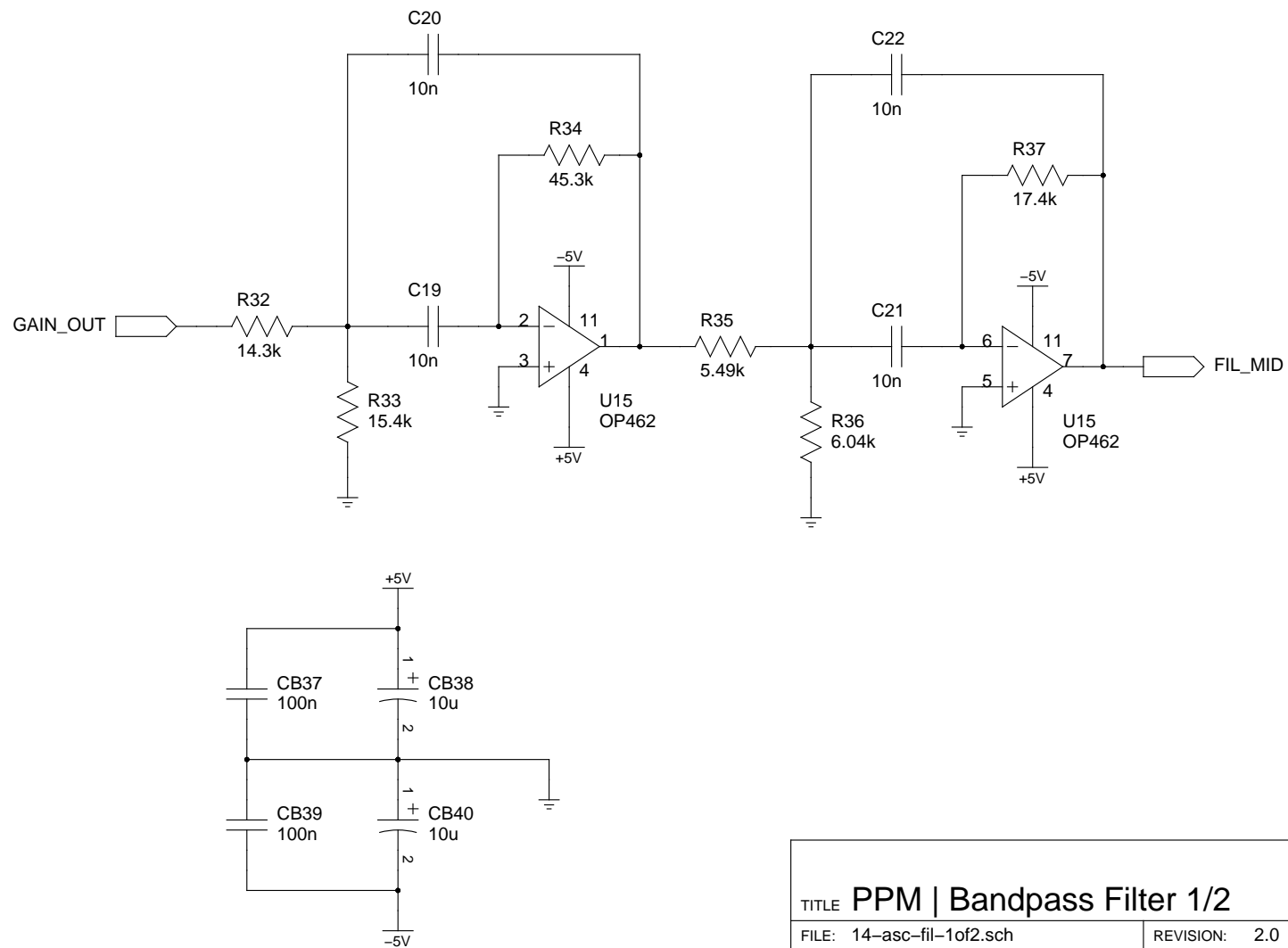
TITLE PPM | Inverting Gain Stage

FILE: 13-asc-gain.sch

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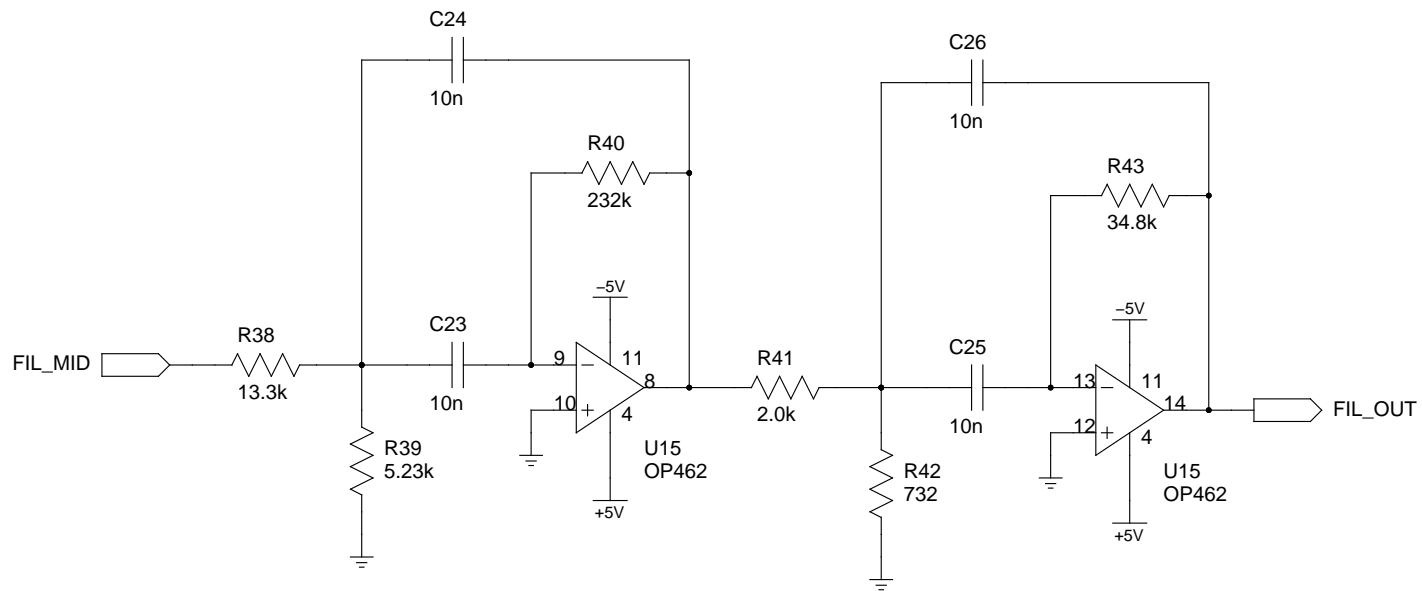
TITLE **PPM | Bandpass Filter 1/2**

FILE: 14-asc-fil-1of2.sch

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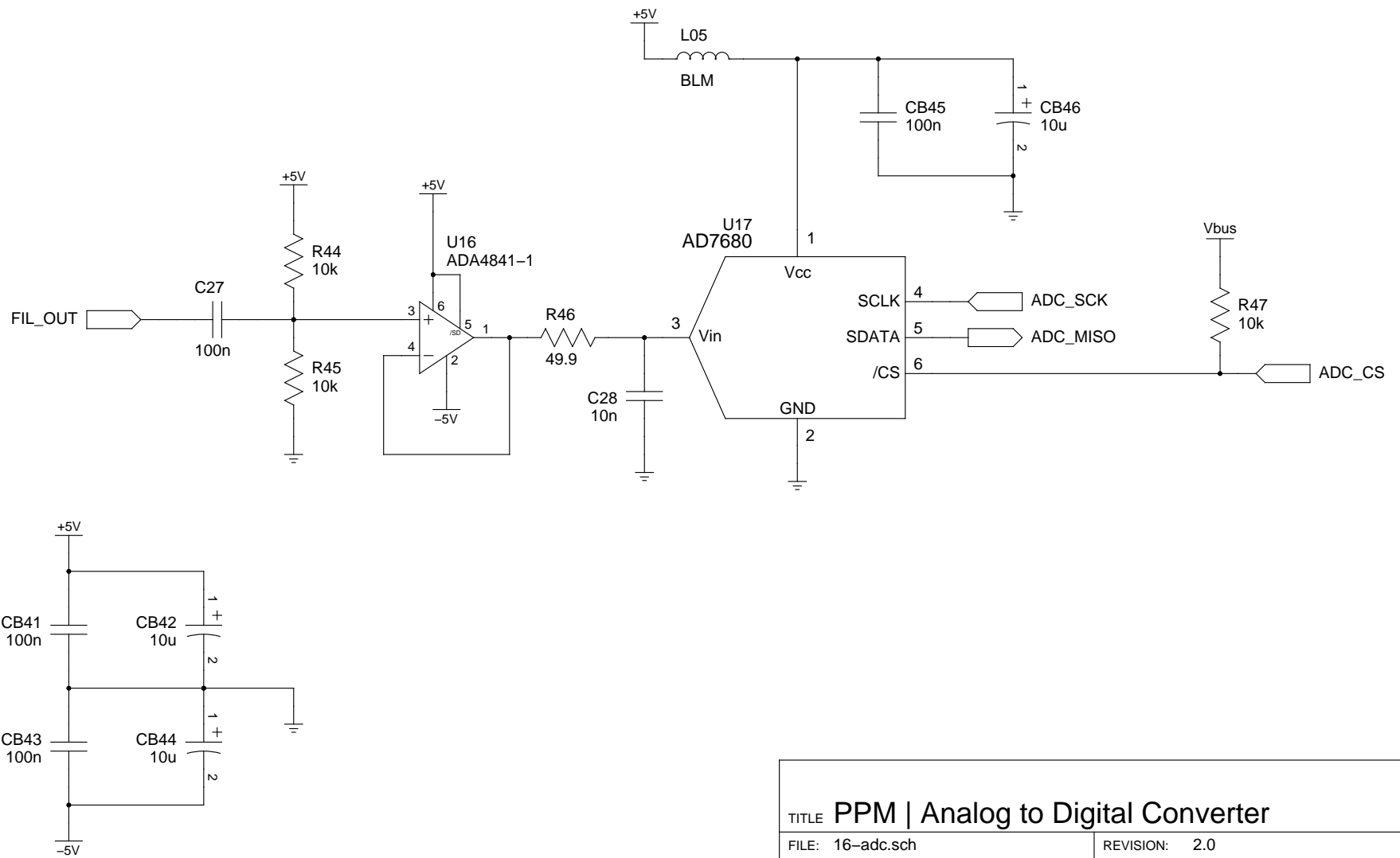
TITLE **PPM | Bandpass Filter 2/2**

FILE: 15-asc-fil-2of2.sch

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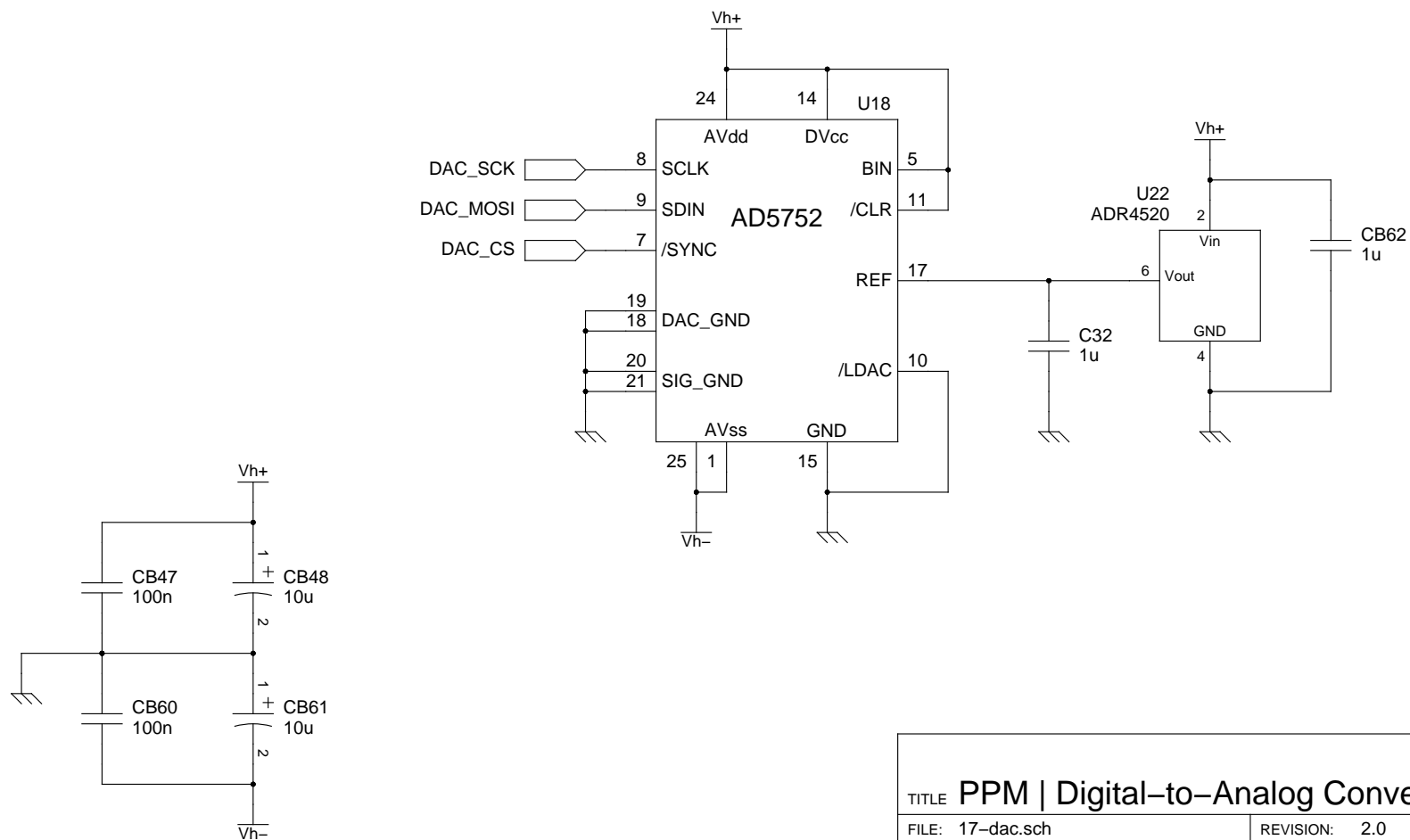
TITLE **PPM | Analog to Digital Converter**

FILE: 16-adc.sch

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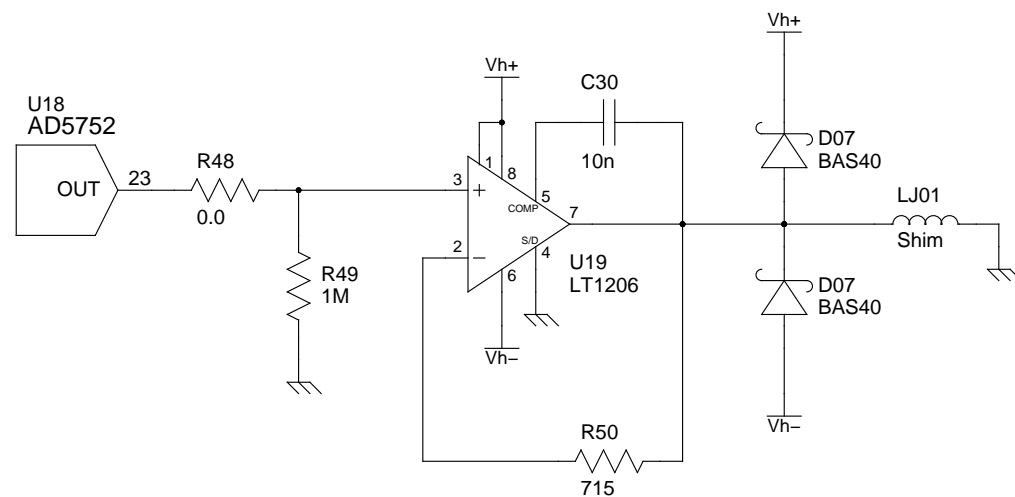
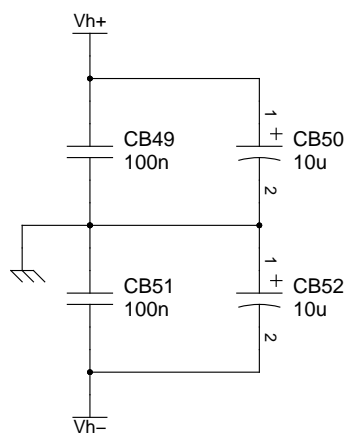
TITLE **PPM | Digital-to-Analog Converter**

FILE: 17-dac.sch

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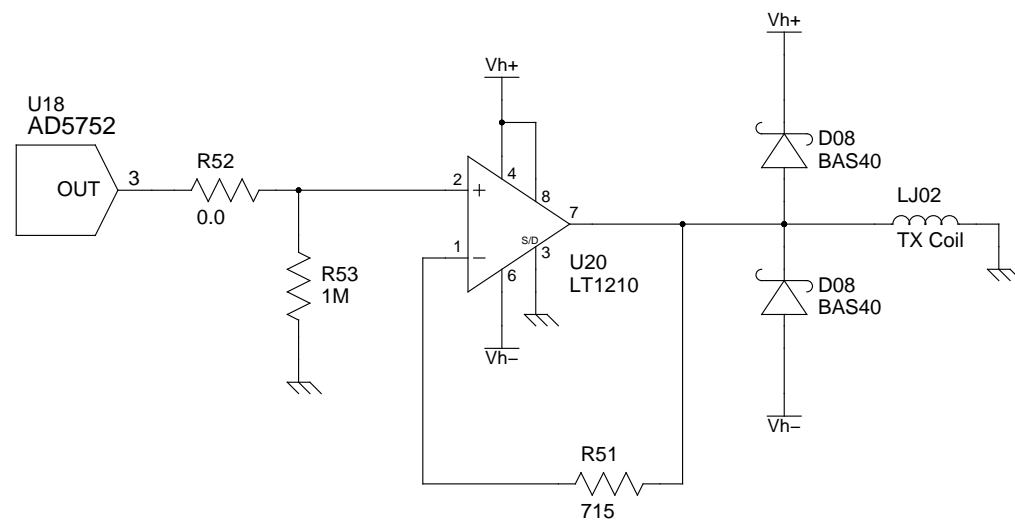
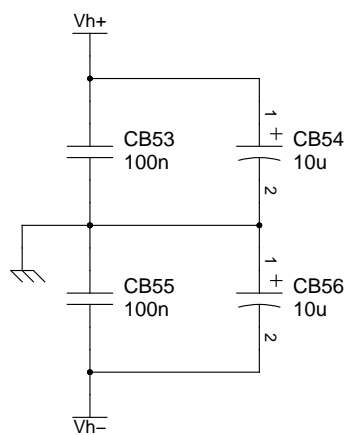
TITLE PPM | Shim Output Buffer

FILE: 18-buf-shim.sch

REVISION: 2.0

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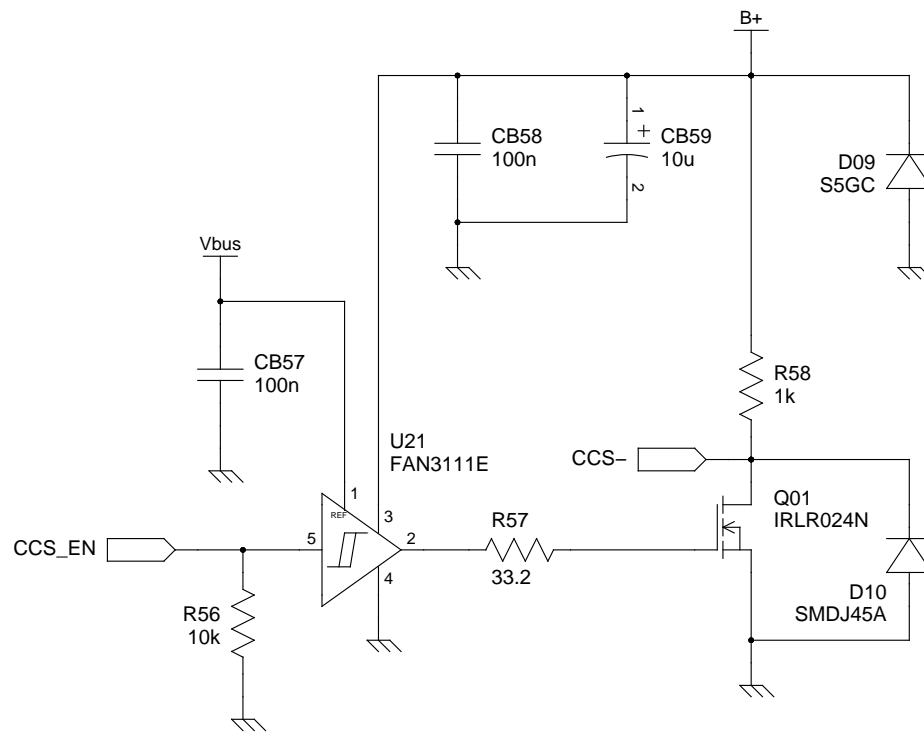
PPM | Transmit Output Buffer

FILE: 19-buf-tx.sch

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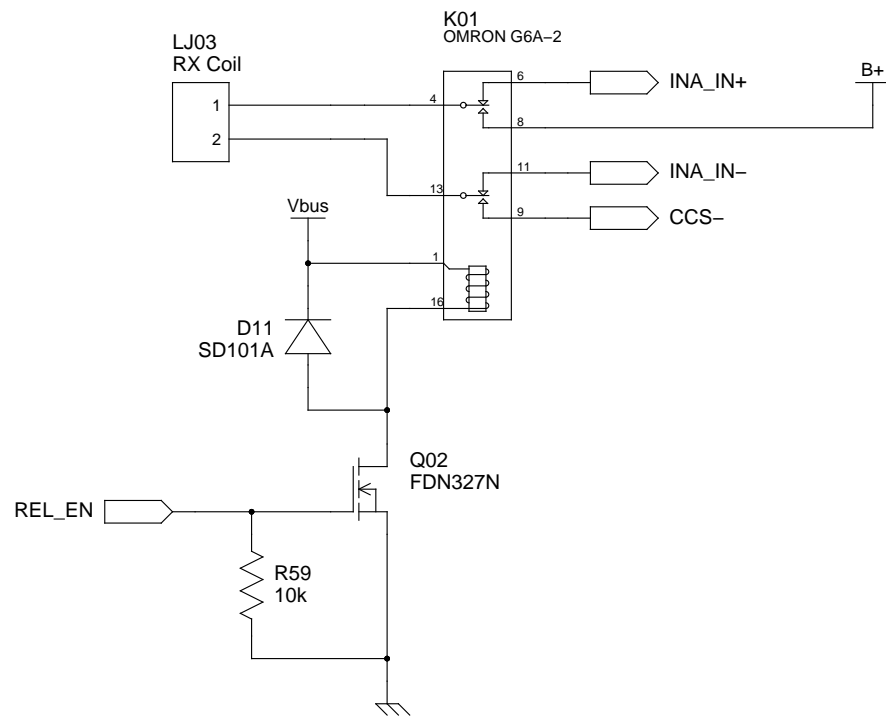
TITLE **PPM | Polarization Current Sink**

FILE: 20-pol.sch

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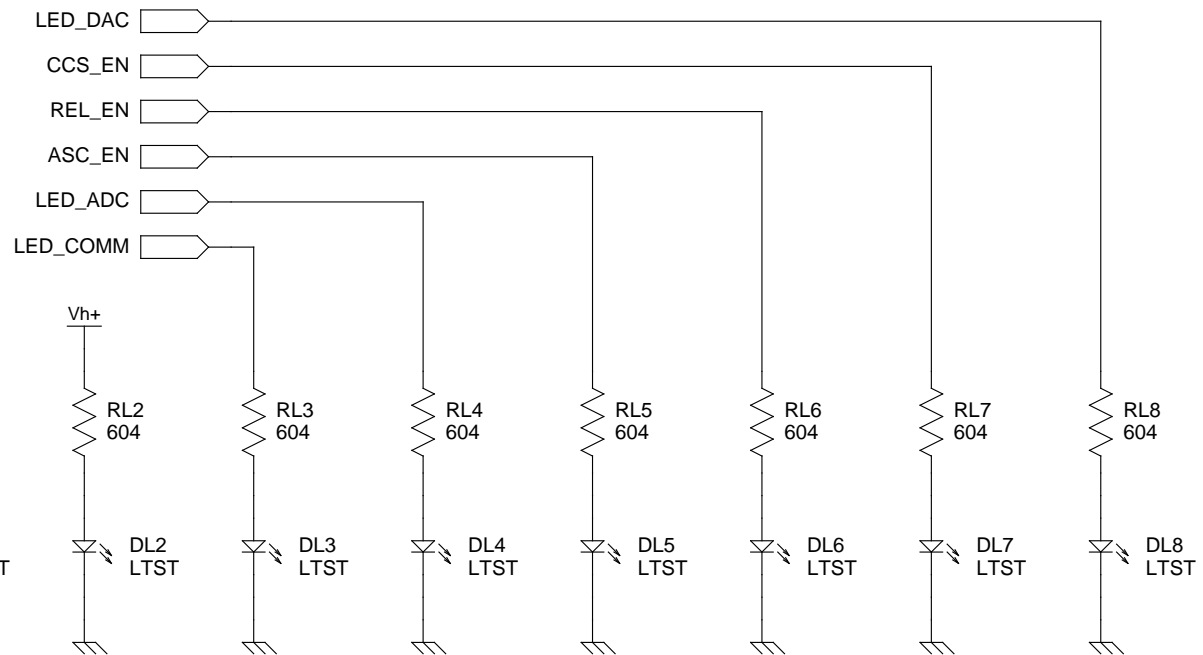
TITLE **PPM | Relay**

FILE: 21-relay.sch

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TITLE **PPM | LED Status Indicators**

FILE: 22-leds.sch

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