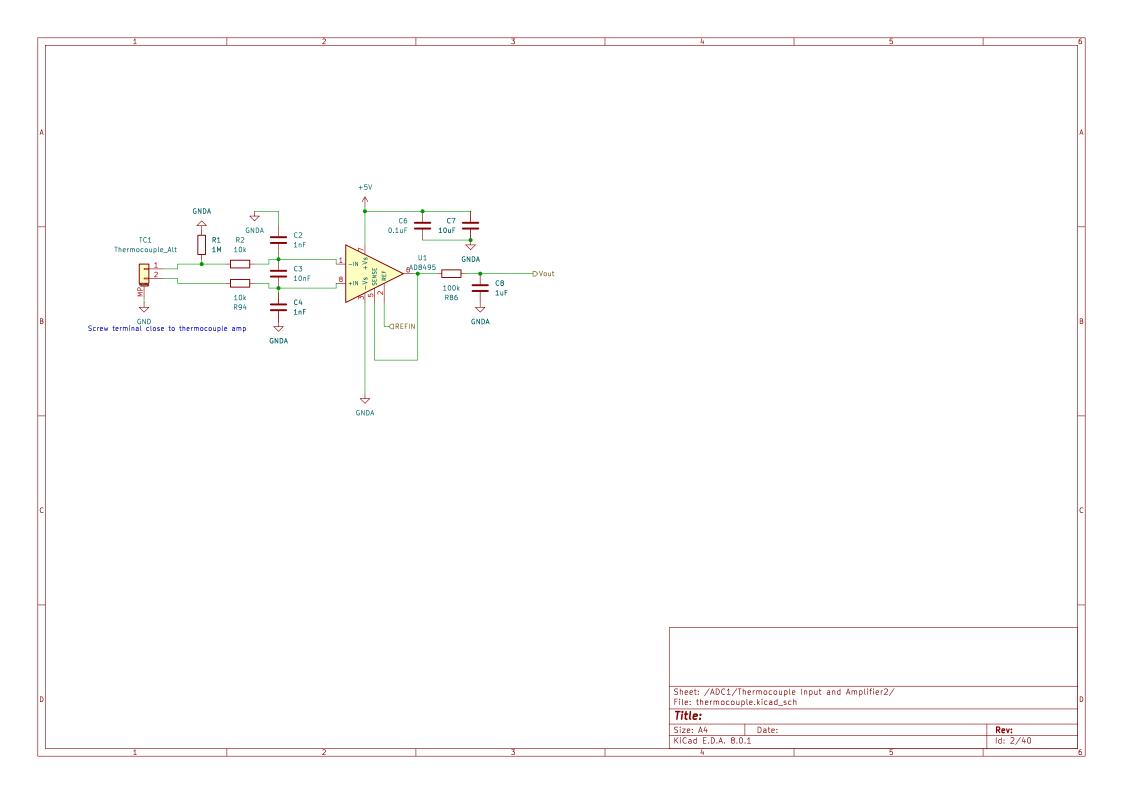
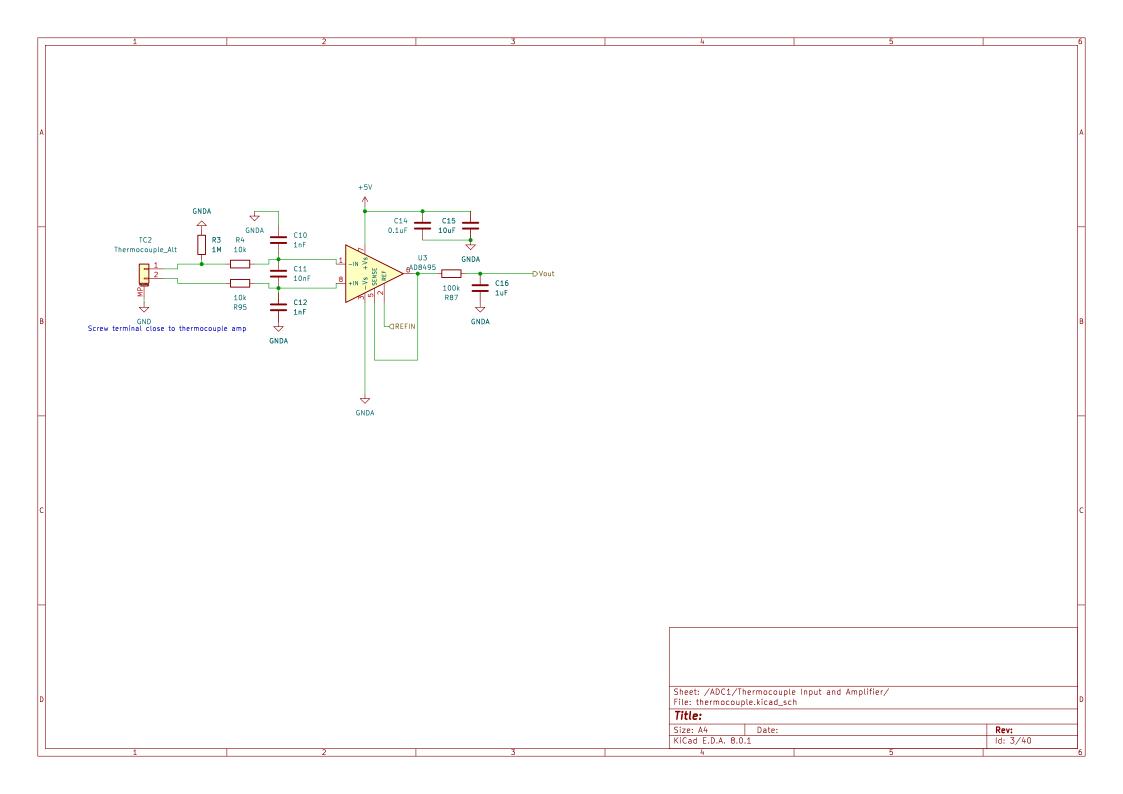
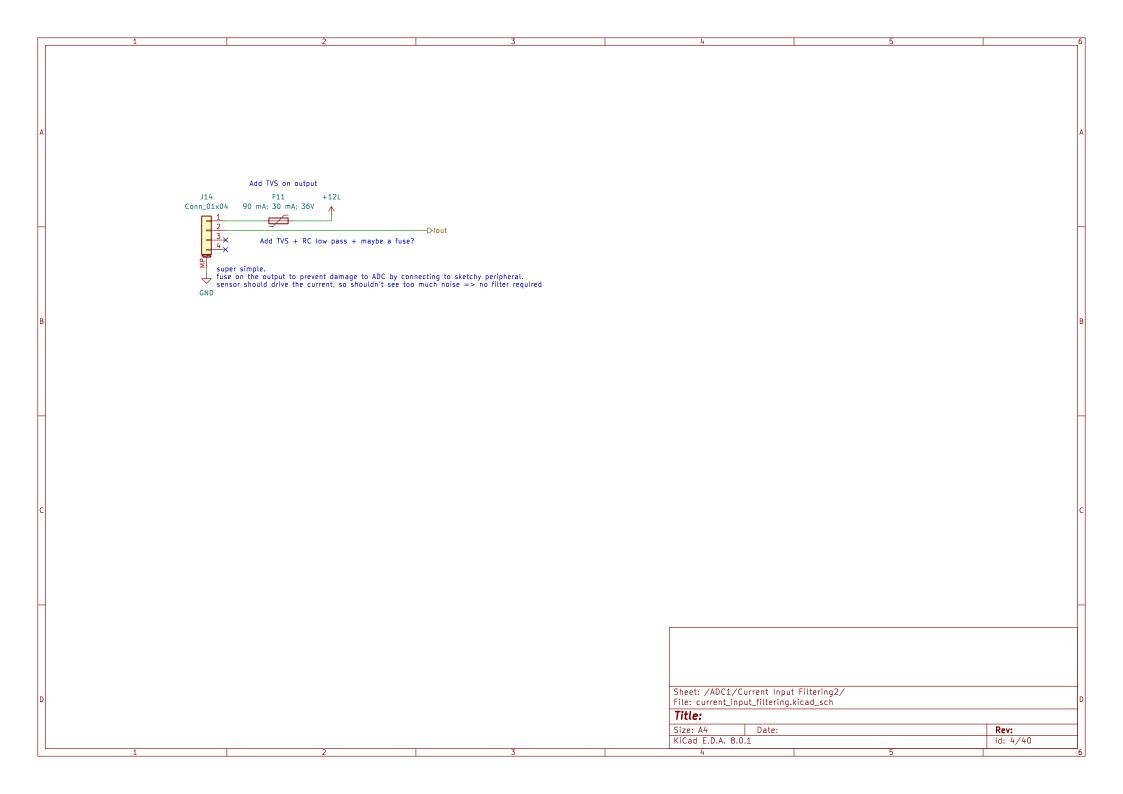


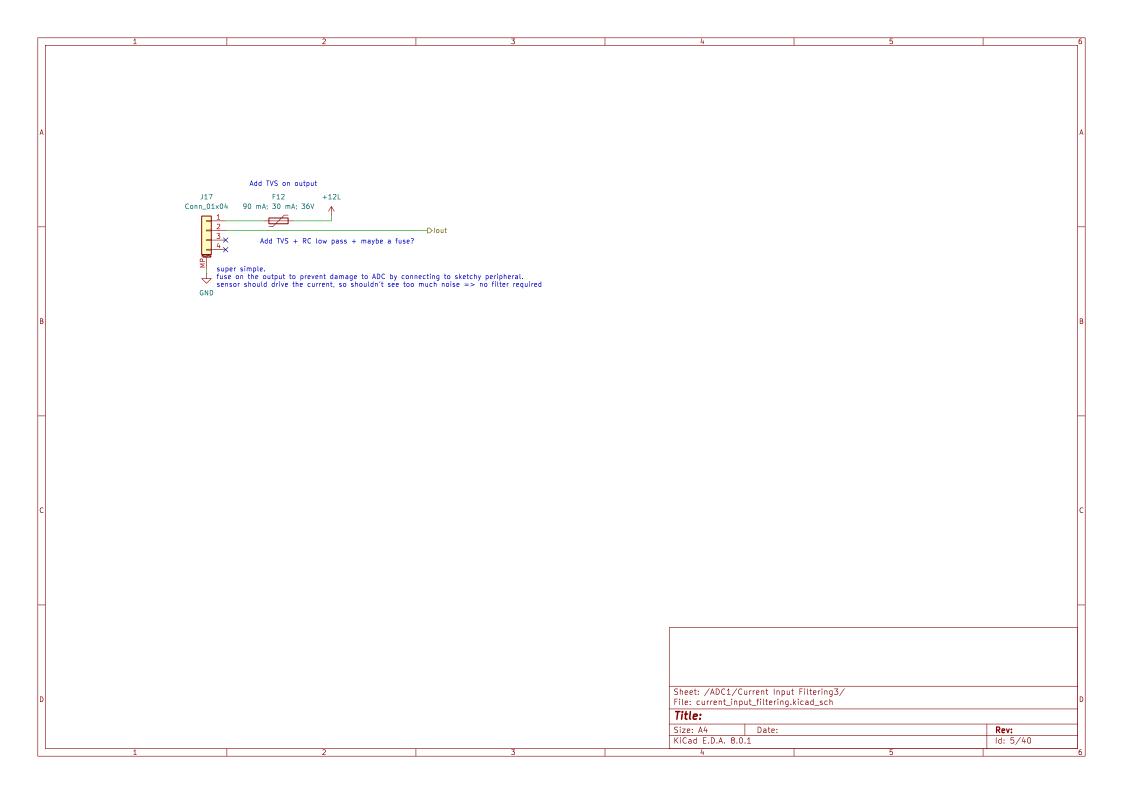
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File: launchpad-controller-v2.kicad_sch

Title:
Size: A1 Date:
KiCad E.D.A. 8.0.1

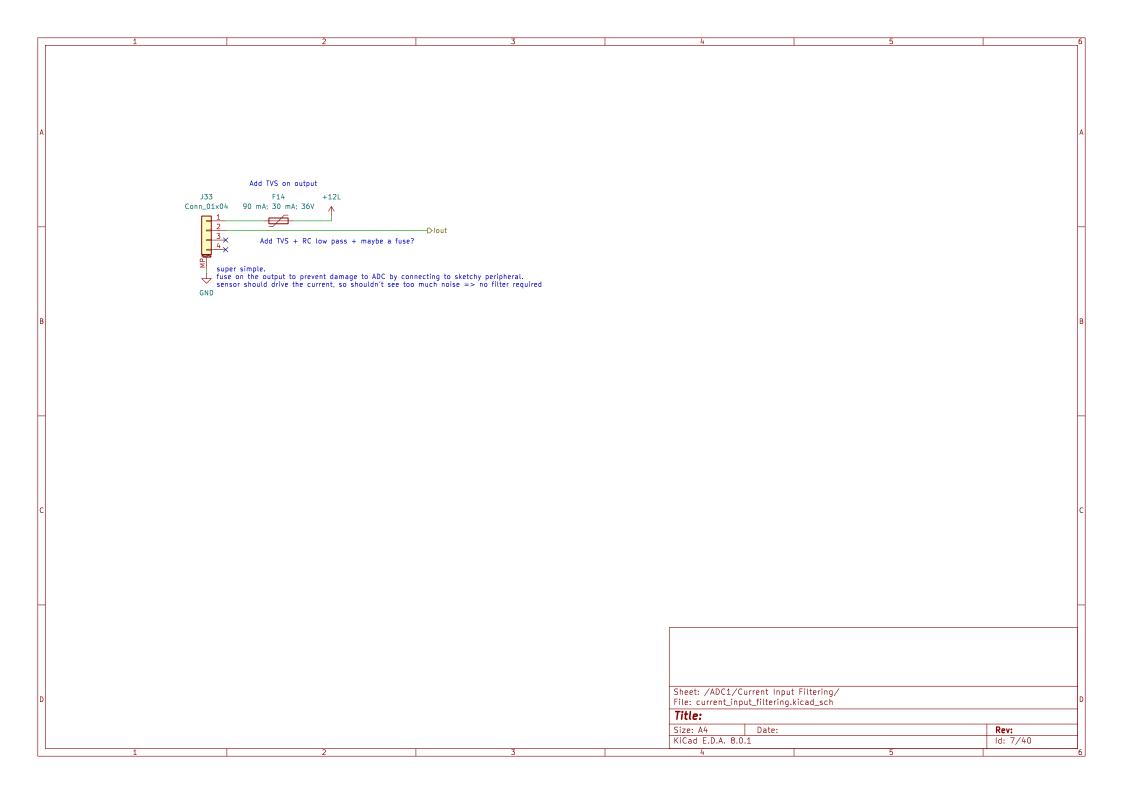




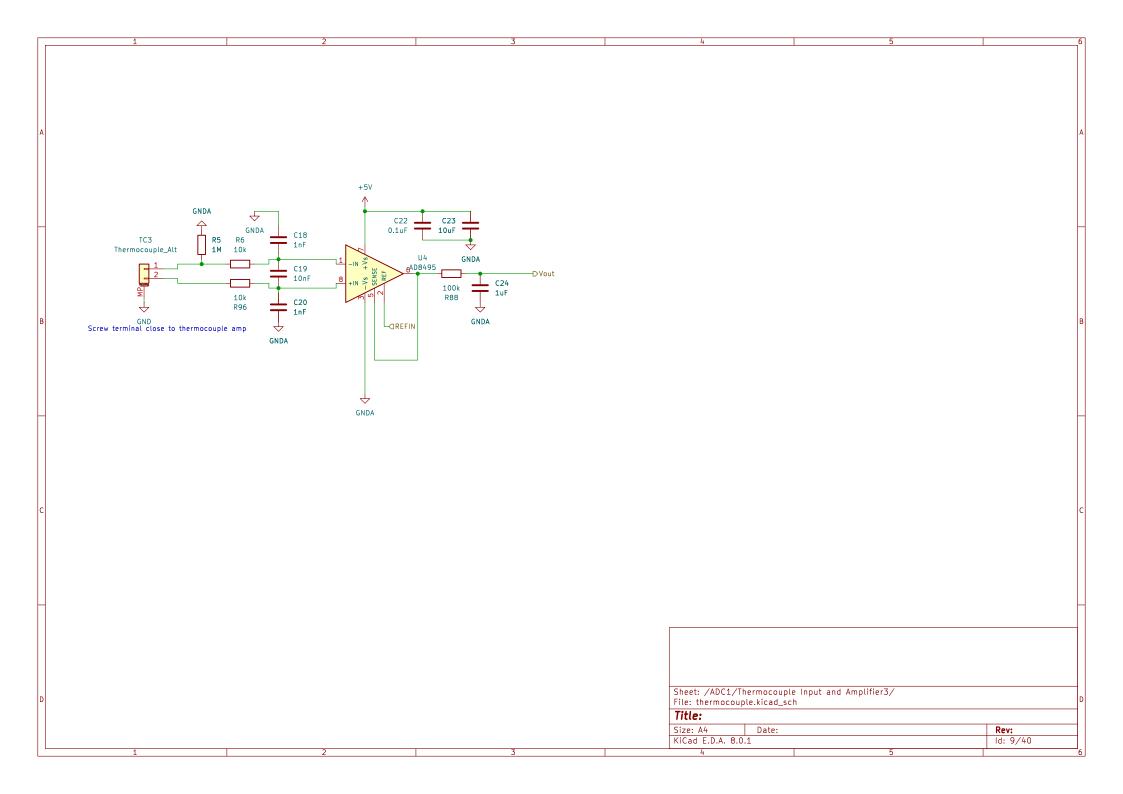


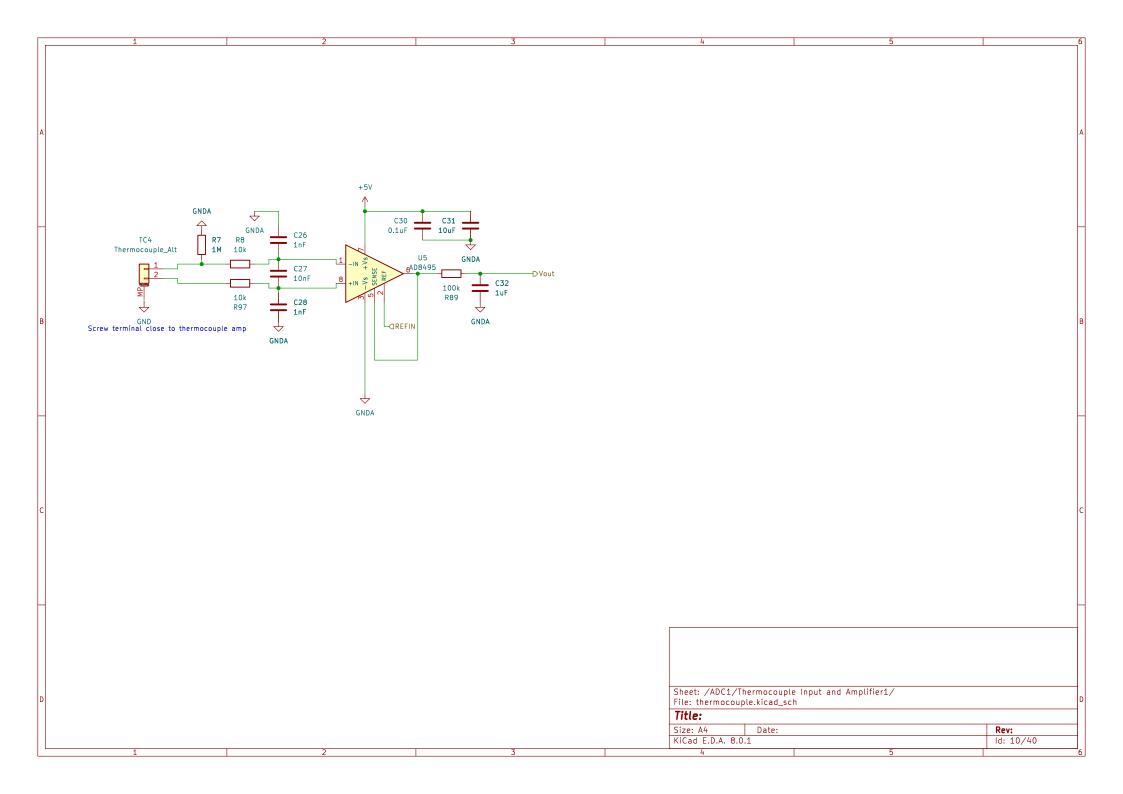


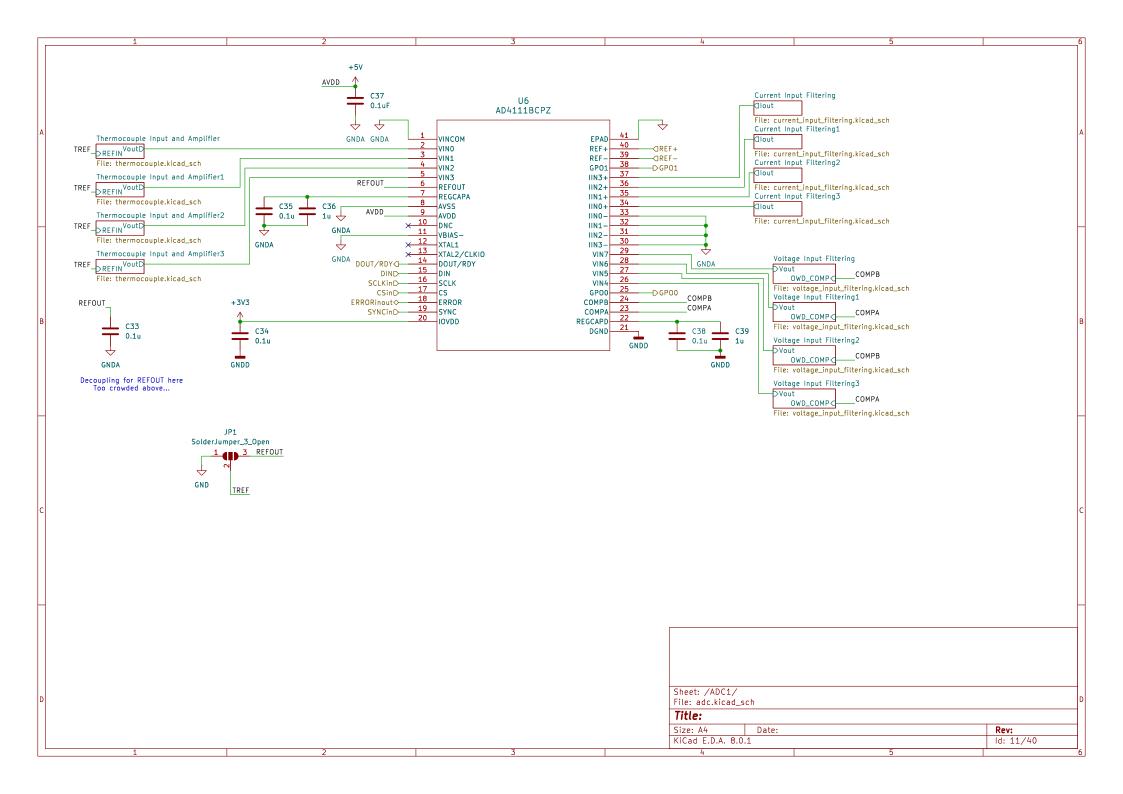




TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J22 +12L Conn_01x04 R69 1 k D1 SD36_SOD323 C93 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC1/Voltage Input Filtering/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 8/40



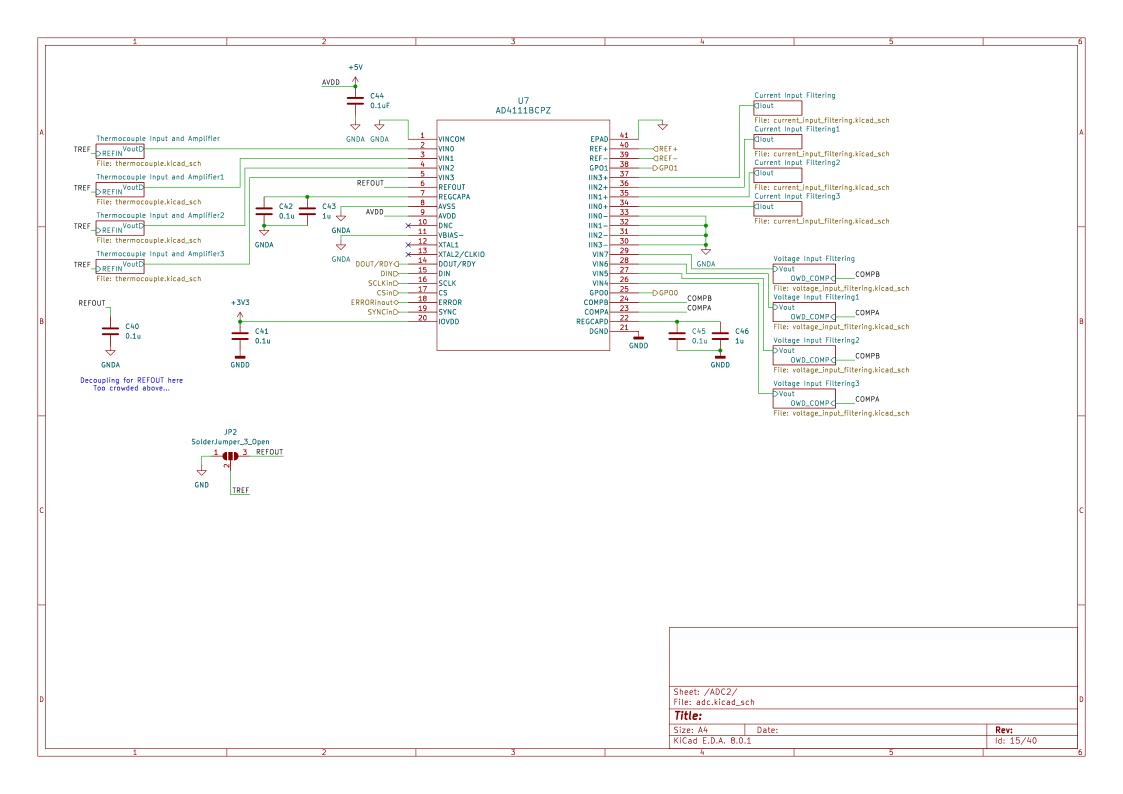


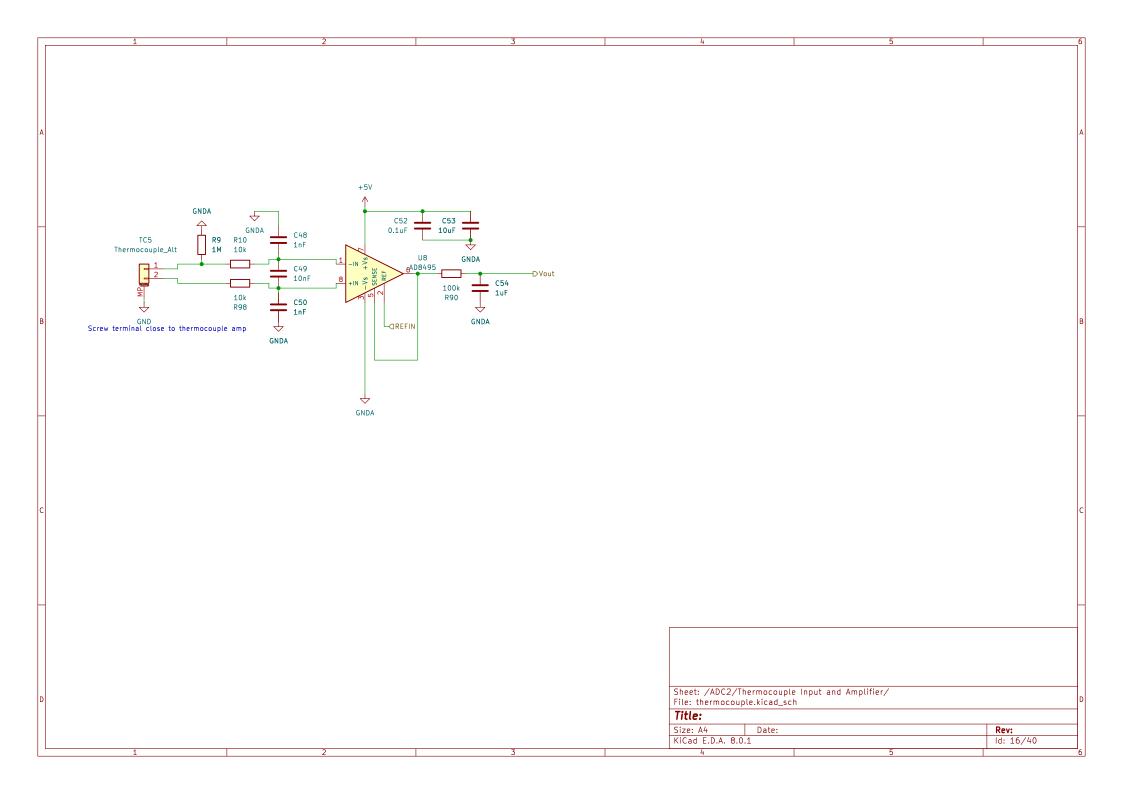


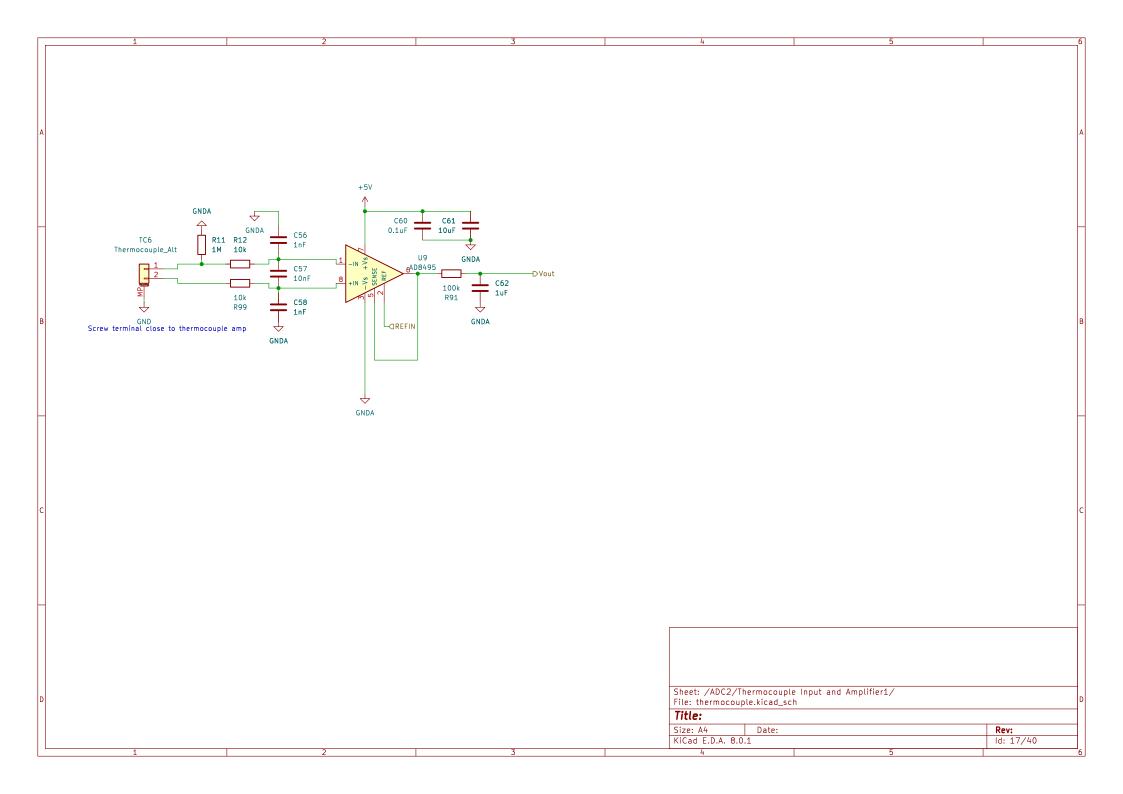
TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J24 +12L Conn_01x04 1 k D2 SD36_SOD323 C94 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC1/Voltage Input Filtering1/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 12/40

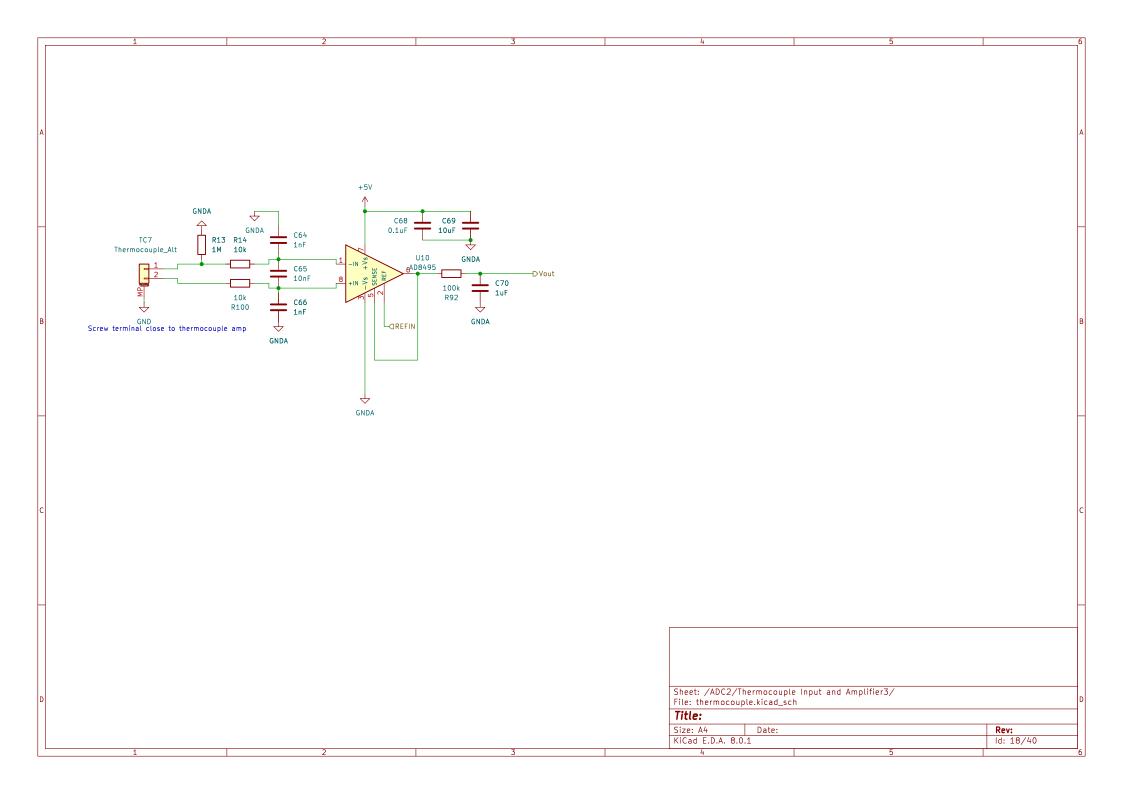
TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J25 +12L Conn_01x04 1 k D23 SD36_SOD323 C95 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC1/Voltage Input Filtering2/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 13/40

TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J26 +12L Conn_01x04 1 k D24 SD36_SOD323 C96 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC1/Voltage Input Filtering3/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 14/40

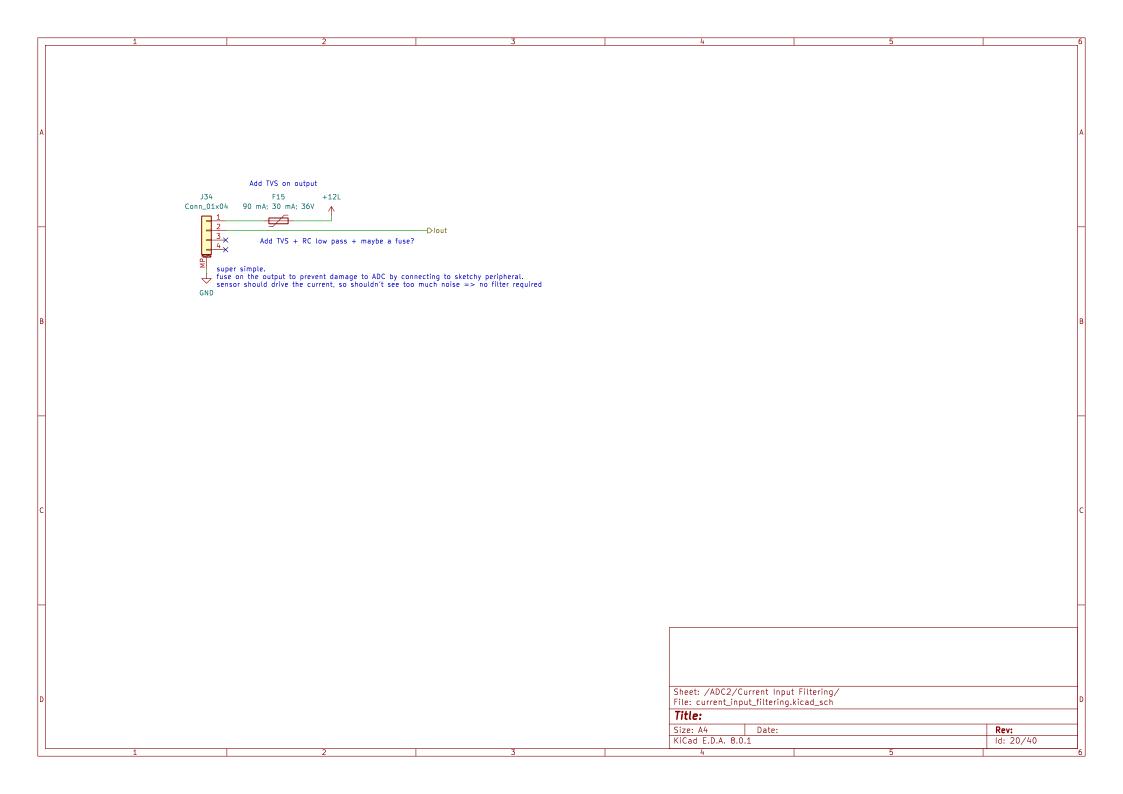






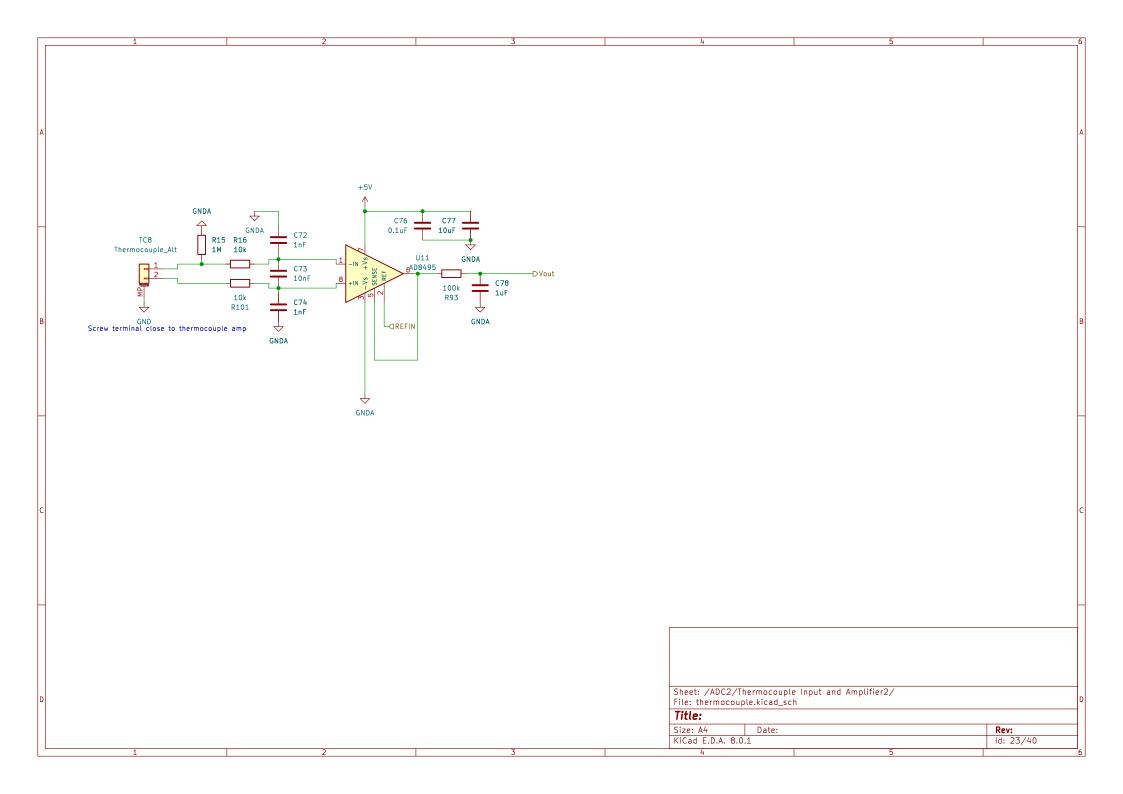


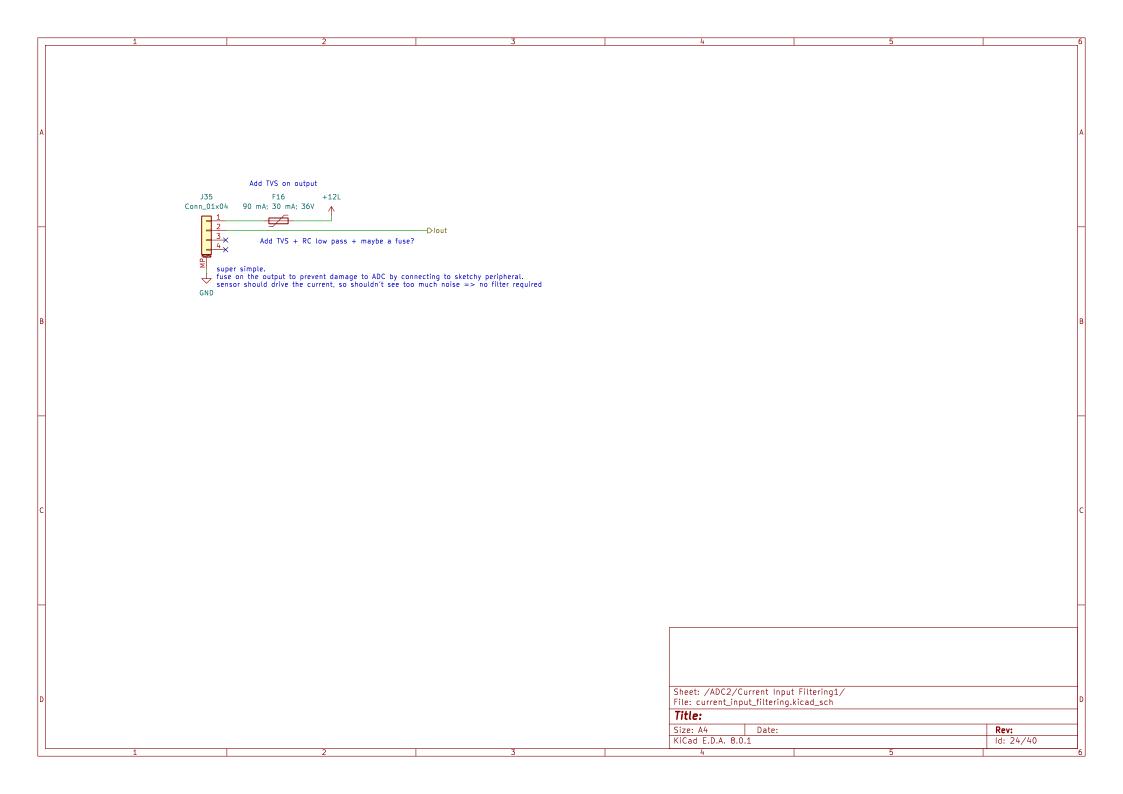
TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J27 +12L Conn_01x04 1 k D25 SD36_SOD323 C97 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC2/Voltage Input Filtering/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 19/40



TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J28 +12L Conn_01x04 1 k D26 SD36_SOD323 C98 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC2/Voltage Input Filtering2/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 21/40

TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J29 +12L Conn_01x04 1 k D27 SD36_SOD323 C99 = 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC2/Voltage Input Filtering3/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 22/40





TVS should be as close to connector as possible Cutoff frequency of 1.5915 kHz Bidirectional TVS Diode with clamp voltage of 36V. switch to 12V clamp. J30 +12L Conn_01x04 1 k D28 SD36_SOD323 C100 100n \uparrow make 12V TVS GND GND OWD_COMPLX Not gonna do open—wire detection. Left it as a NC to make it easier to add later though Sheet: /ADC2/Voltage Input Filtering1/ File: voltage_input_filtering.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.1 ld: 25/40



