

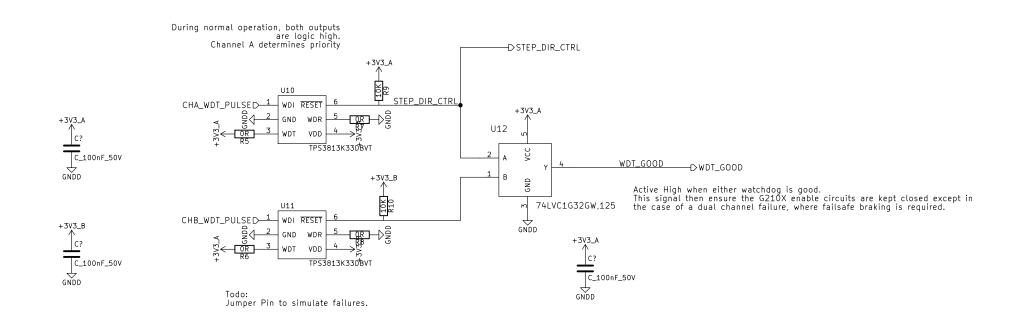
rLoop — Stepper Node
Accelerometers
Original Author: SafetyLok

Sheet: /Sheet_Accels/
File: StepperNode_Accels.sch

Title: Accelerometers

Size: A3 Date: Rev: 2

KiCad E.D.A. kicad 4.0.2-stable Id: 6/15



DESIGN REVIEW NOTES:

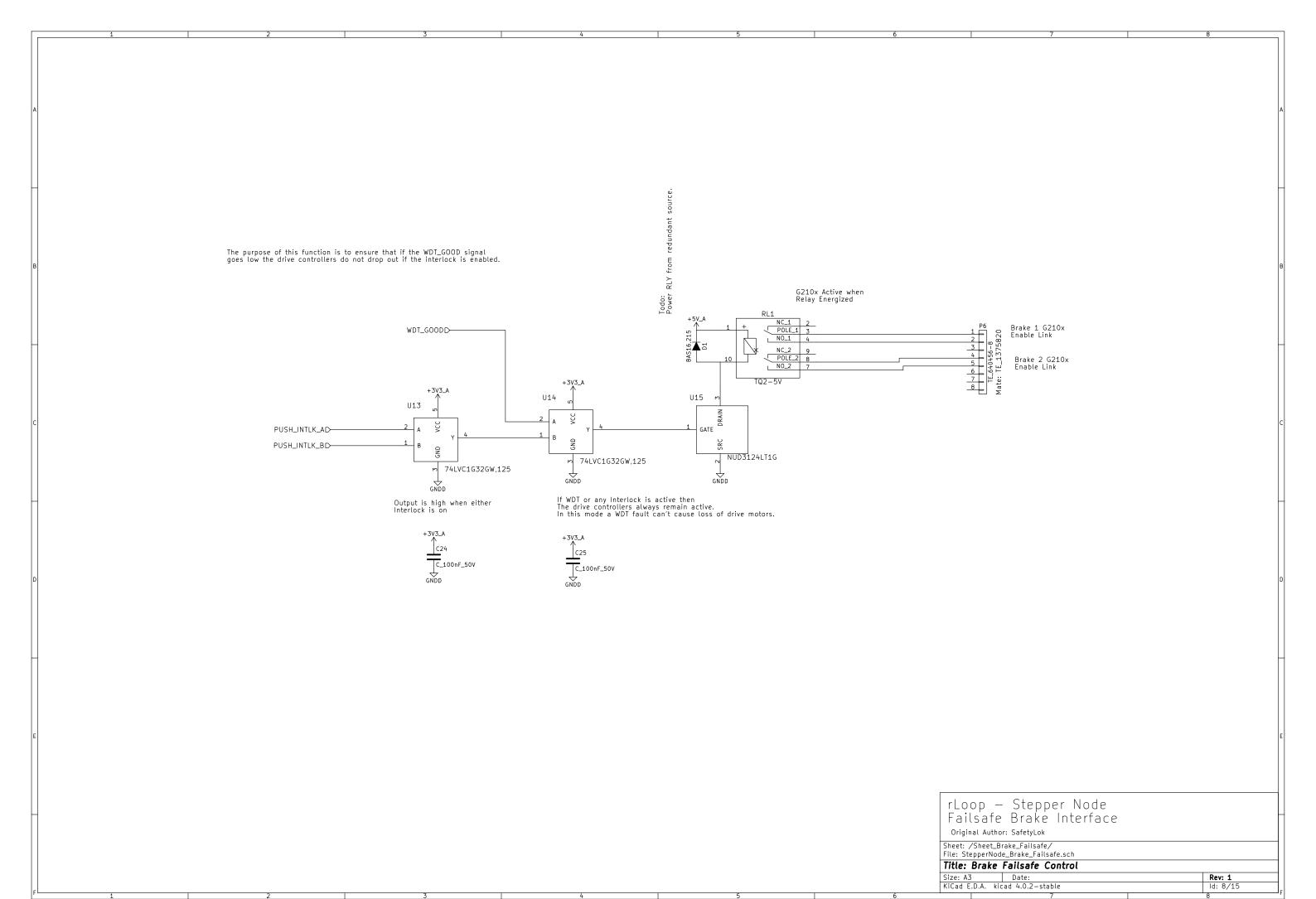
1. STEP_DIR_CTRL should go low if channel A fails, giving channel B priority

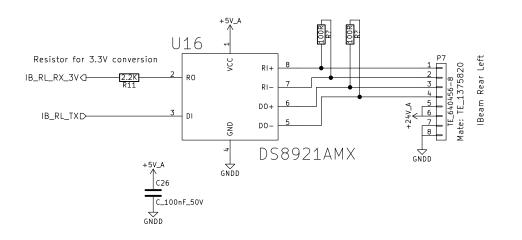
2. STEP_DIR_CTRL is pulled up, so the only way it can go low is if the TPS3813 is powered

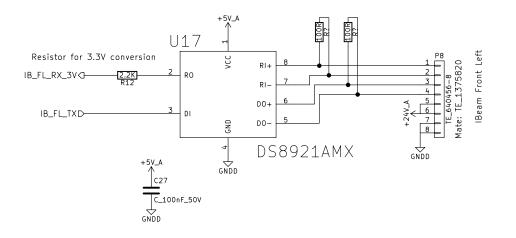
3. All devices here need redundant supplies

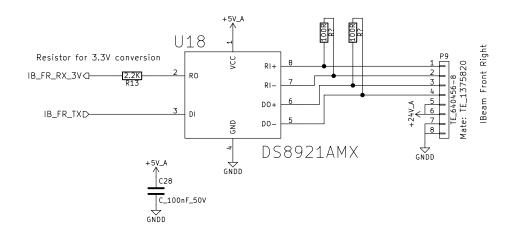
4. Need to provide isolation in case of parasitic power from a failed node.

rLoop — Stepper Node Mux Priority Watchdog System Original Author: SafetyLok Sheet: /Sheet_Watchdog/ File: StepperNode_Watchdog.sch Title: Watchdog Size: A3 Date: KiCad E.D.A. kicad 4.0.2-stable





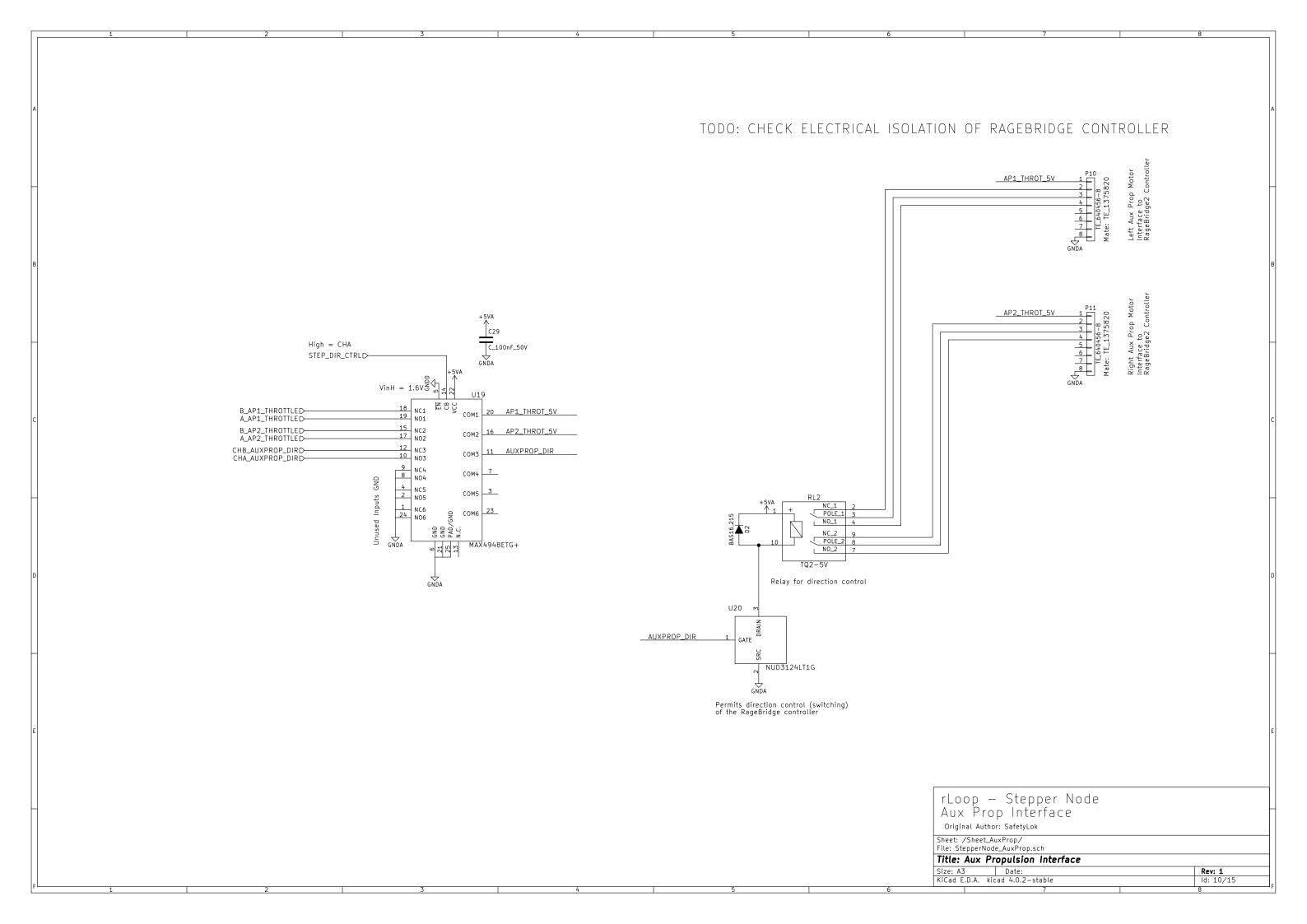


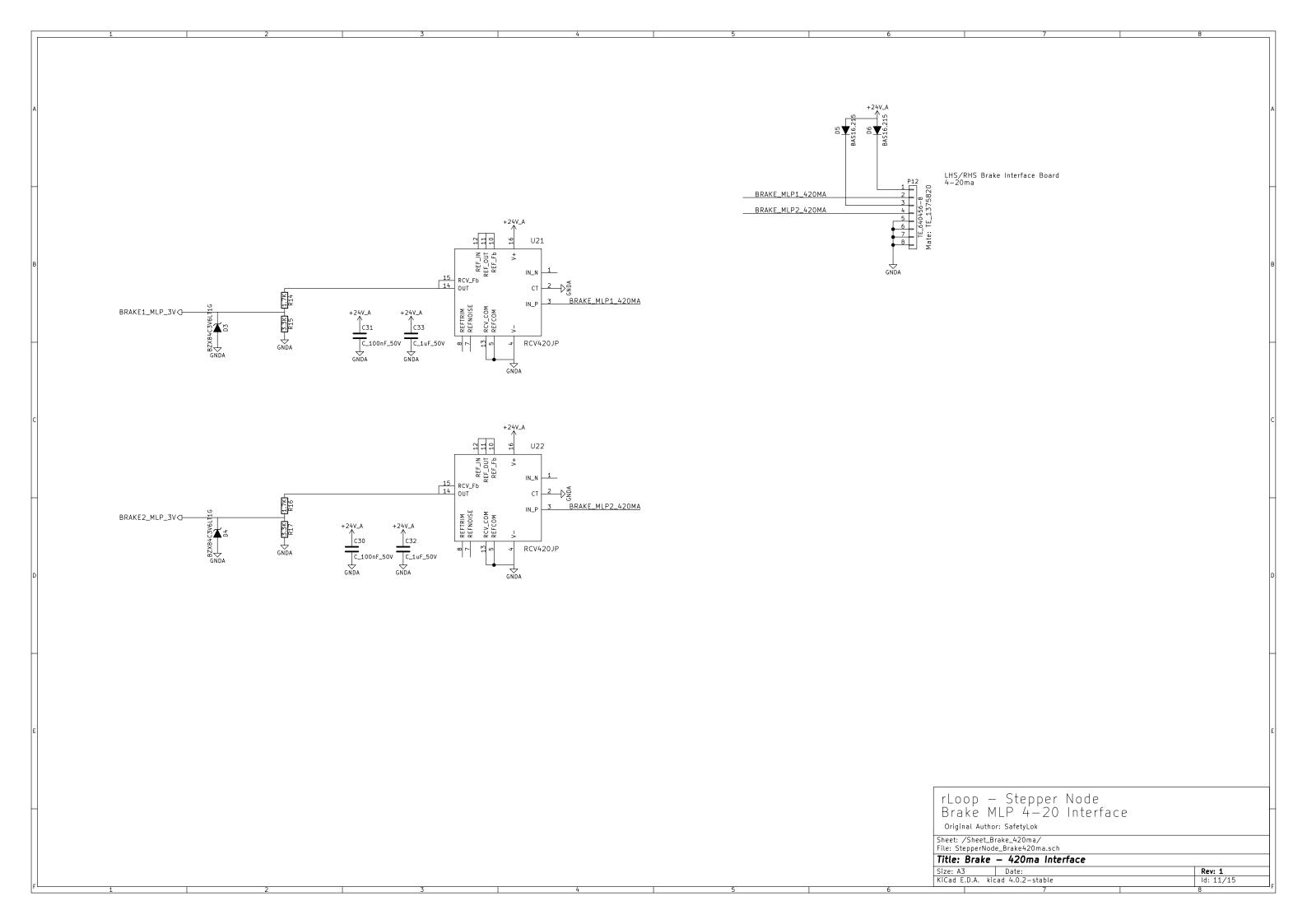


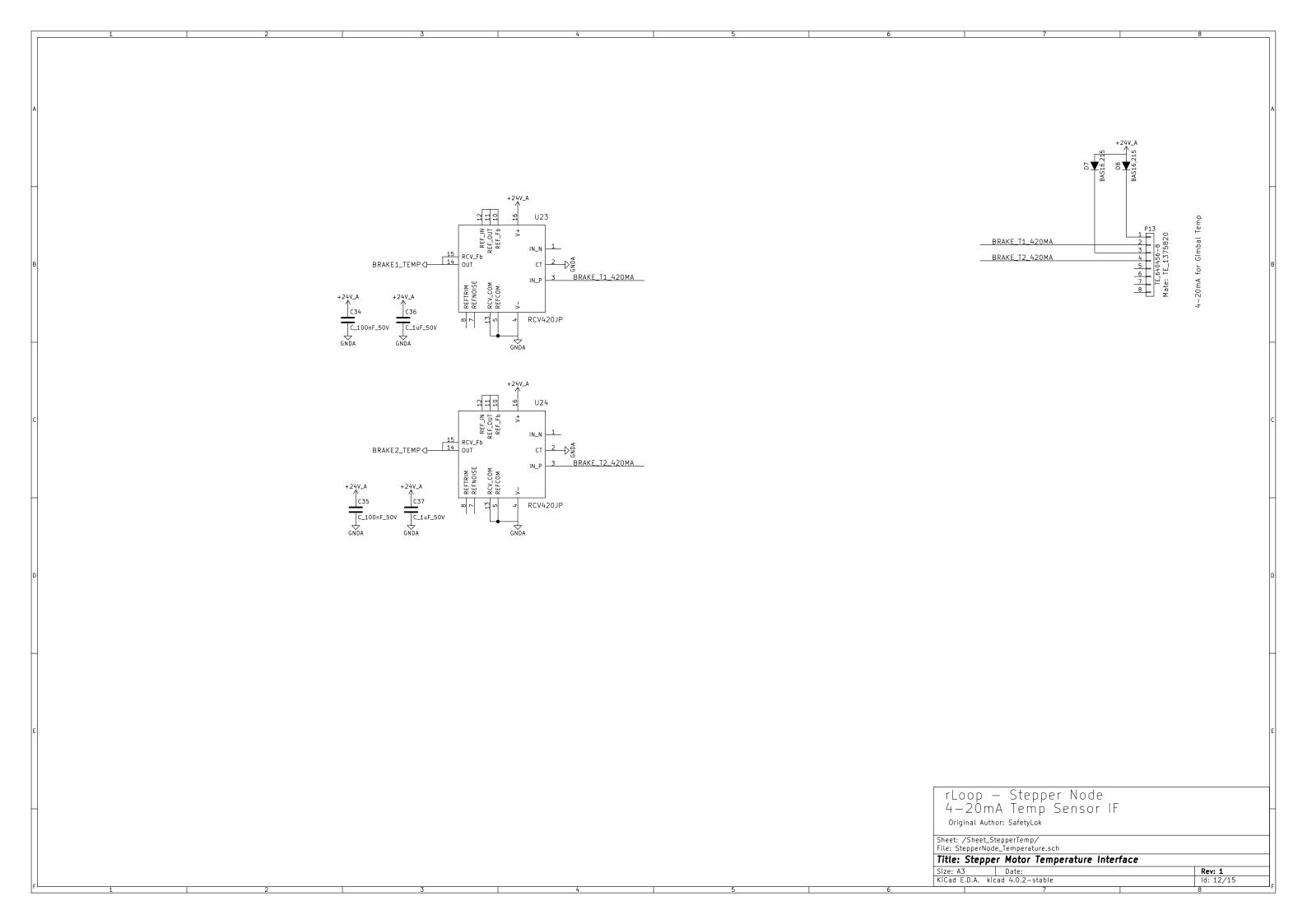
rLoop — Stepper Node I Beam Sensors Original Author: SafetyLok Sheet: /Sheet_IBeam_Interface/
File: StepperNode_IBeam.sch

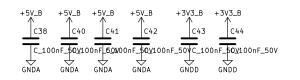
Title: I Beam Laterial (Yaw) Sensors

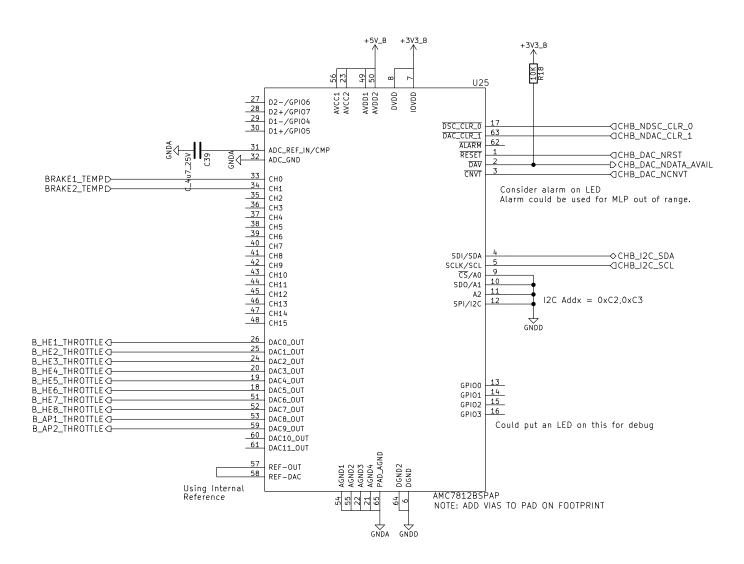
Size: A3 Date: KiCad E.D.A. kicad 4.0.2-stable



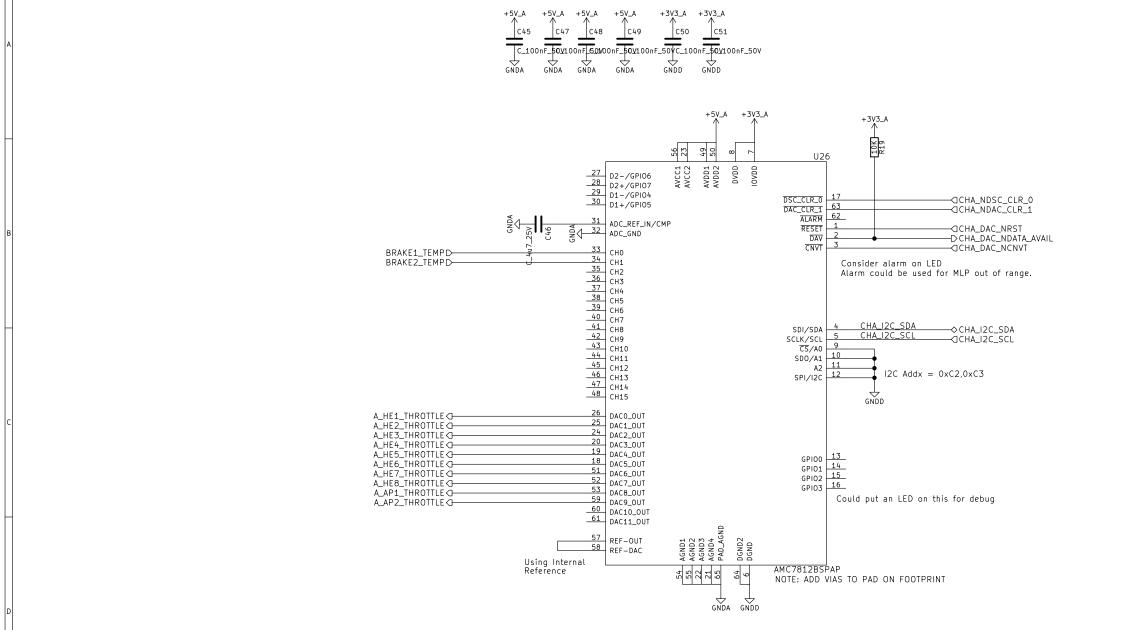








rLoop — Stepper Node DAC Channel B					
Original Author: SafetyLok					
Sheet: /Sheet_DAC_B/ File: StepperNode_DAC_B.sch					
Title: DAC Channel B					
Size: A3	Date:				Rev: 1
KiCad E.D.A. kicad 4.0.2—stable					ld: 13/15



rLoop — Stepper Node
DAC Channel A
Original Author: SafetyLok

Sheet: /Sheet_DAC_A/
File: StepperNode_DAC_A.sch

Title: DAC Channel A

Size: A3 Date: Rev: 1
KiCad E.D.A. kicad 4.0.2-stable Id: 14/15

