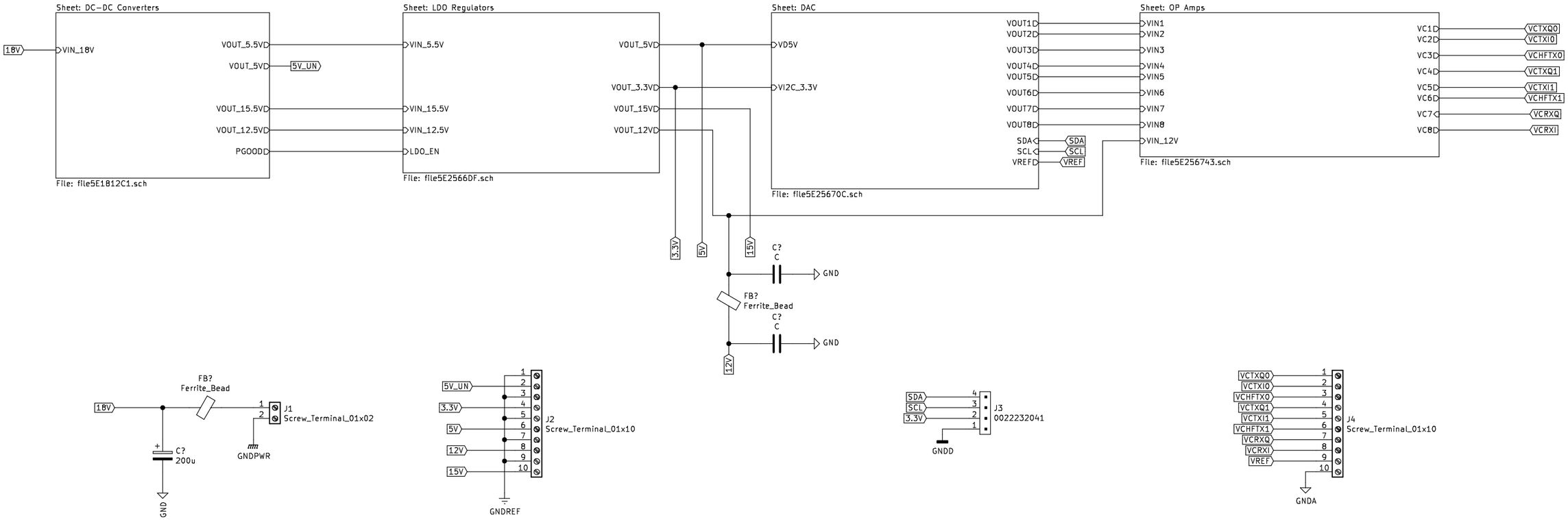


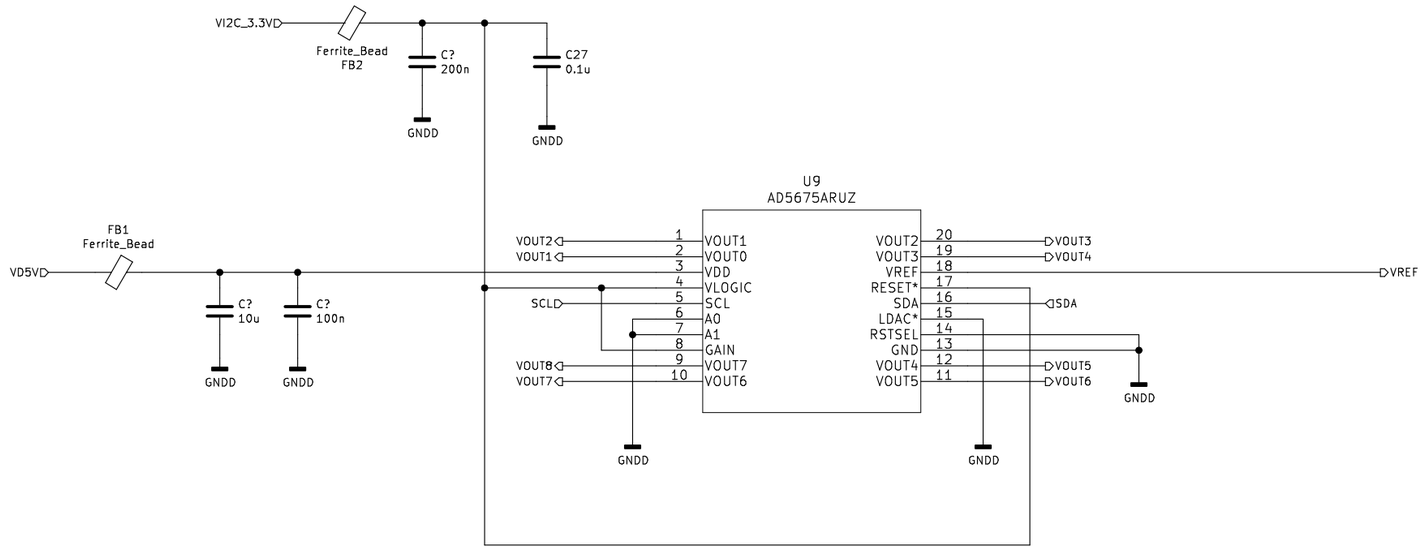
GNDREF – SUPPLY GROUND
GND – LDO GROUND
GNDA – ANALOG GROUND
GNDD – DIGITAL GROUND
GNDPWR – POWER GROUND

Revisor: Nick Karcher
Author: Manuel Garcia
IPE

Sheet: /
File: power_control_ipe_v1.sch

Title: Power Control Board I2C

Size: A3	Date: 2019-11-24	**Rev: 1.2**
KiCad E.D.A.	kicad 5.1.5-52549c584ubuntu18.04.1	Id: 1/5



A1=0 A0=0, LSB I2C Slave Address

When LDACis permanently tied low, the LDAC mask bits are ignored.

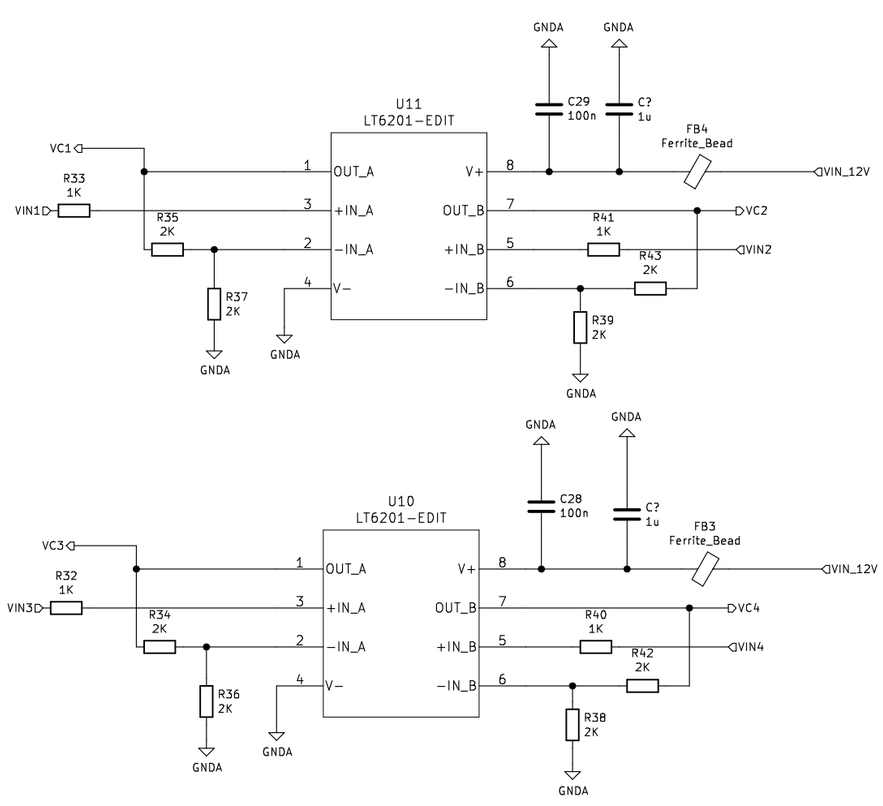
Asynchronous Reset Input. The RESET input is falling edge sensitive. When RESET is low, all LDAC pulses are ignored. When RESET is activated, the input register and the DAC register are updated with zero scale or midscale, depending on the state of the RSTSEL pin.

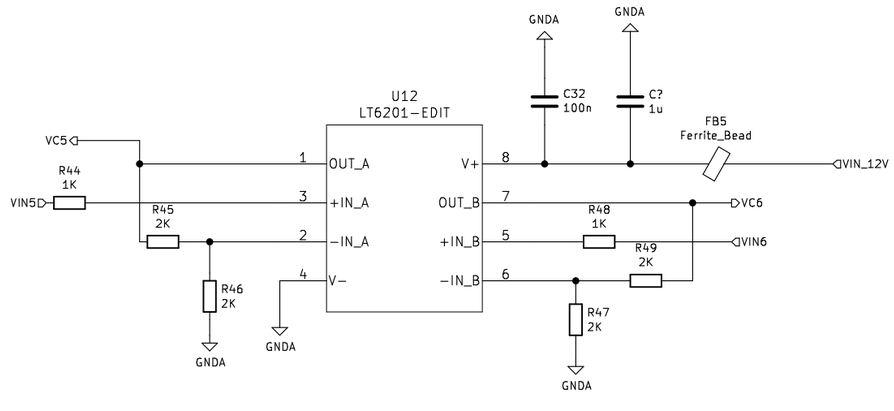
Supervisor: Nick Karcher
Author: Manuel Garcia
IPE

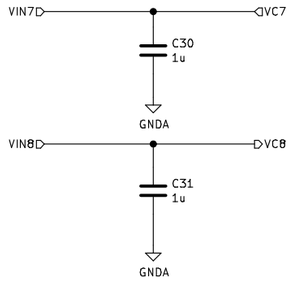
Sheet: /DAC/
File: file5E25670C.sch

Title: Power Control Board I2C – Octal ADC

Size: A3	Date: 2019-11-24	**Rev: 1.2**
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 2/5





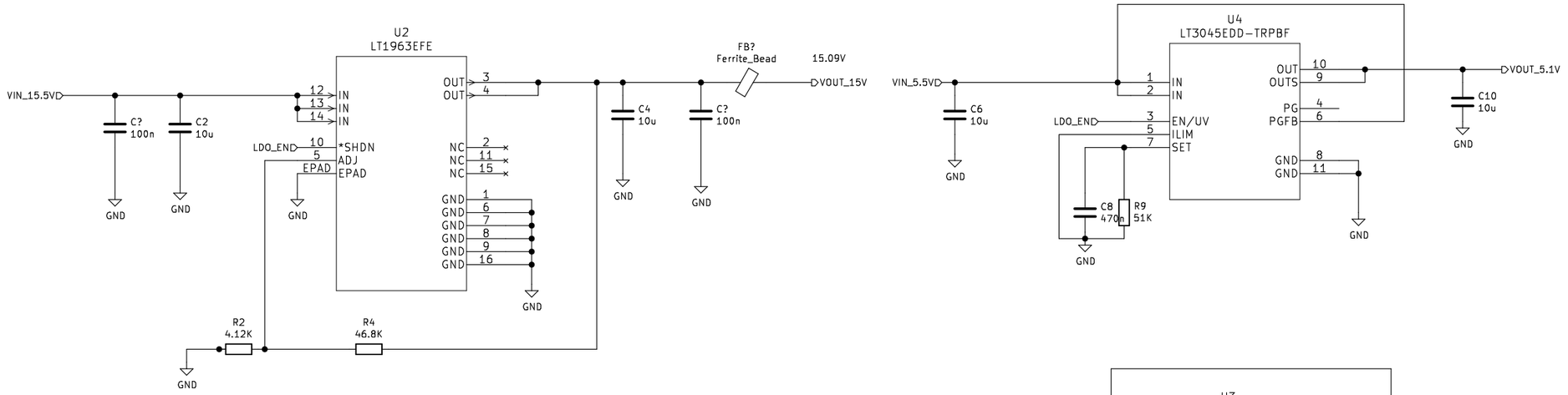


Supervisor: Nick Karcher
Author: Manuel Garcia
IPE

Sheet: /OP Amps/
File: file5E256743.sch

Title: Power Control Board I2C – OPAMPs

Size: A3	Date:	**Rev: 1.1**
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 3/5

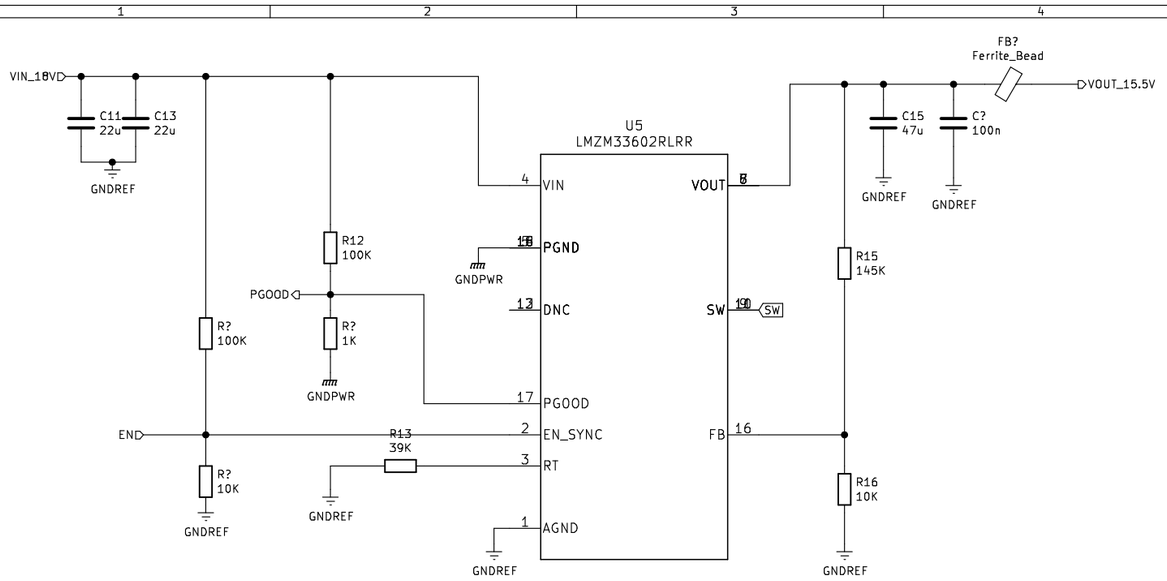


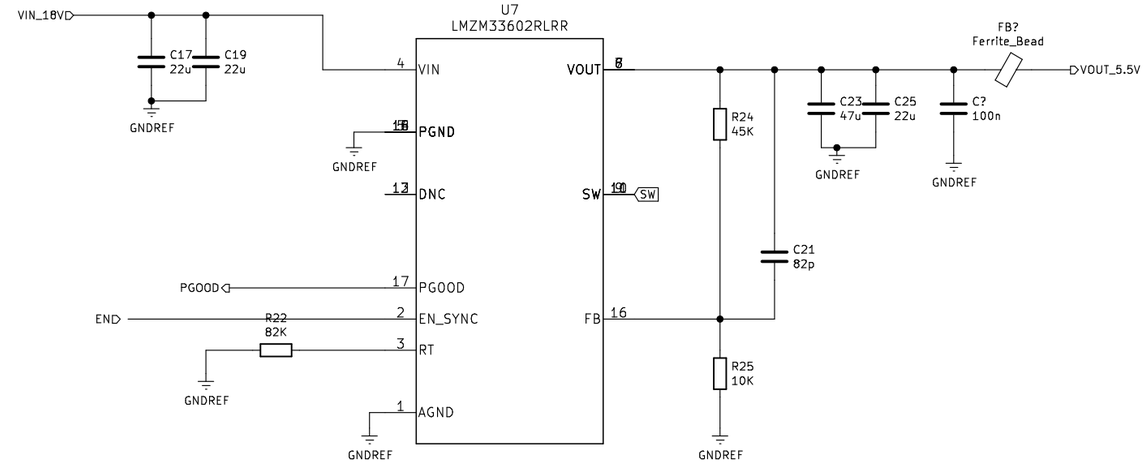
Supervisor: Nick Katcher
Author: Manuel Garcia
IPE

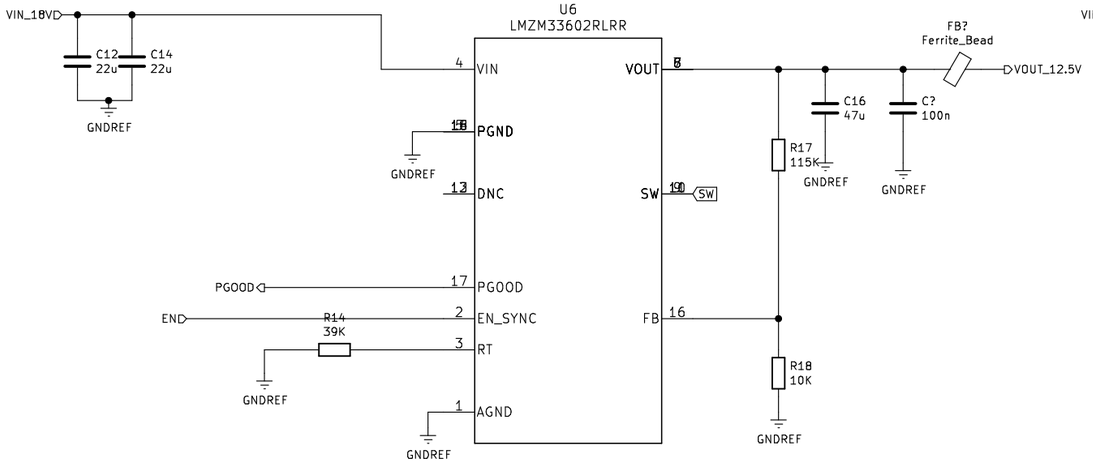
Sheet: /LDO Regulators/
File: file5E2566DF.sch

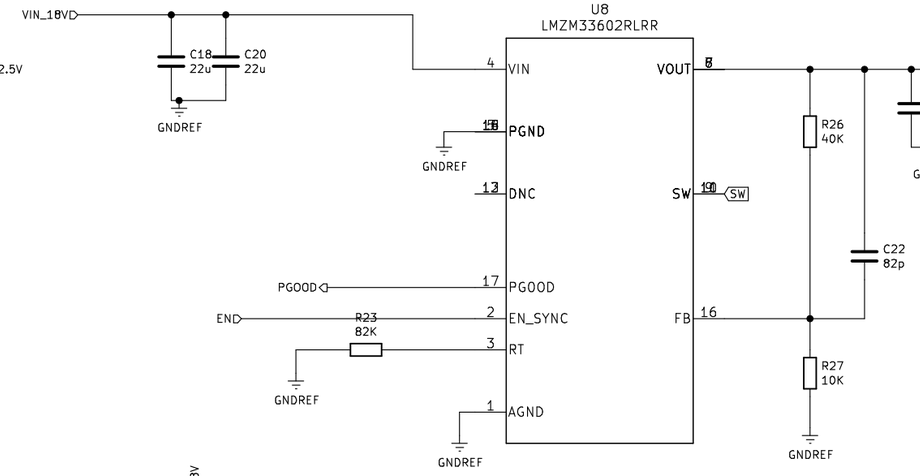
Title: Power Control Board I2C – LDO Regulators

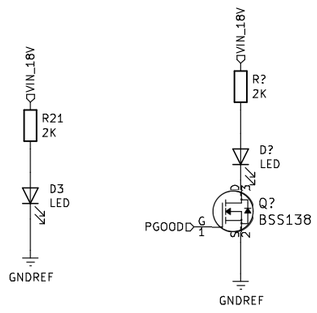
Size: A3	Date: 2019-11-24	**Rev: 1.1**
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 4/5











SW – Connectthesepins to a smallcopperislandunderthe devicefor thermalrelief.Do notplaceany externalcomponenton thesepins or tie themto a pin of anotherfunction.

DNC – Do not connect.Eachpin mustbe solderedto an isolatedpad. Thesepins connectto internalcircuitry.Do not connectthesepins to one another,AGND,PGND,or any othervoltage.

Supervisor: Nick Katcher
Author: Manuel Garcia
IPE

Sheet: /DC-DC Converters/
File: file5E1812C1.sch

Title: Power Control Board I2C – DC DC Converters

Size: A3	Date: 2019-11-24	**Rev: 1.1**
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 5/5