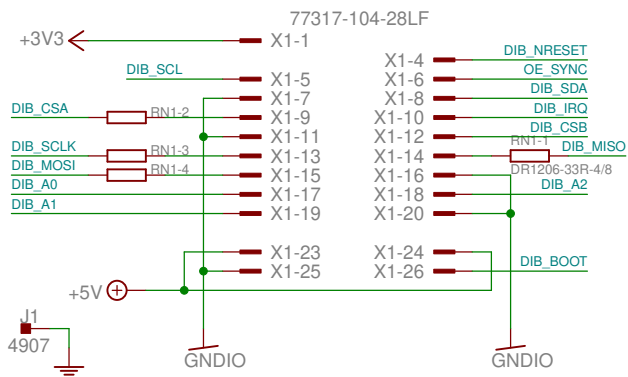


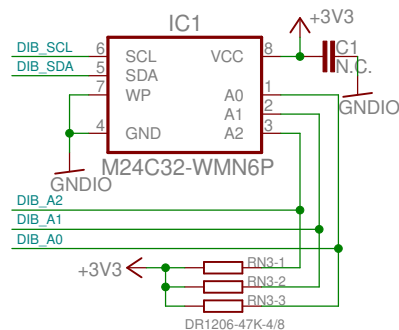
DIB connector



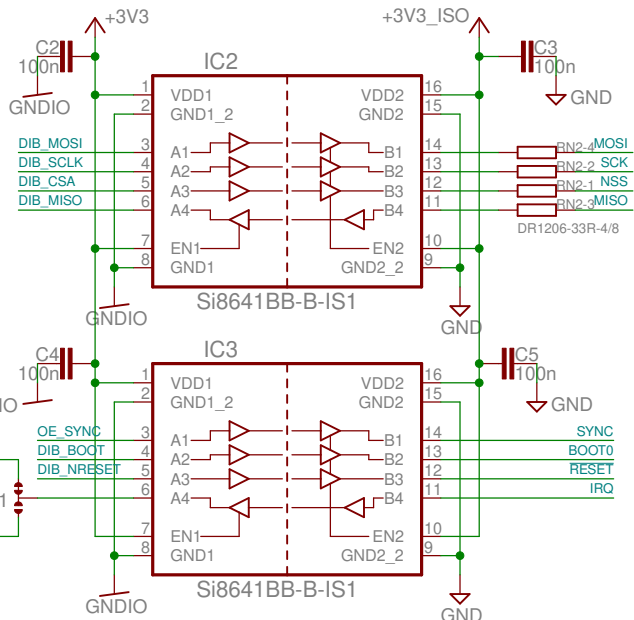
28-pin module socket



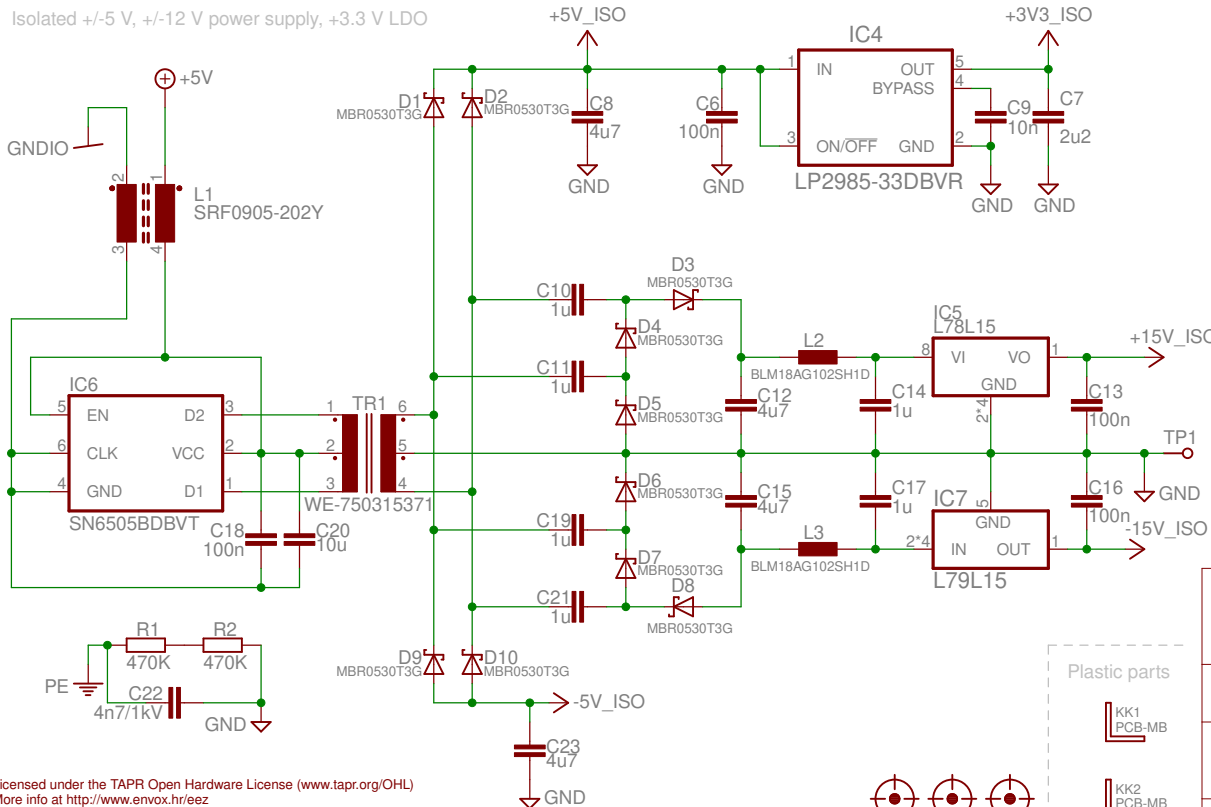
I2C Module ID EEPROM

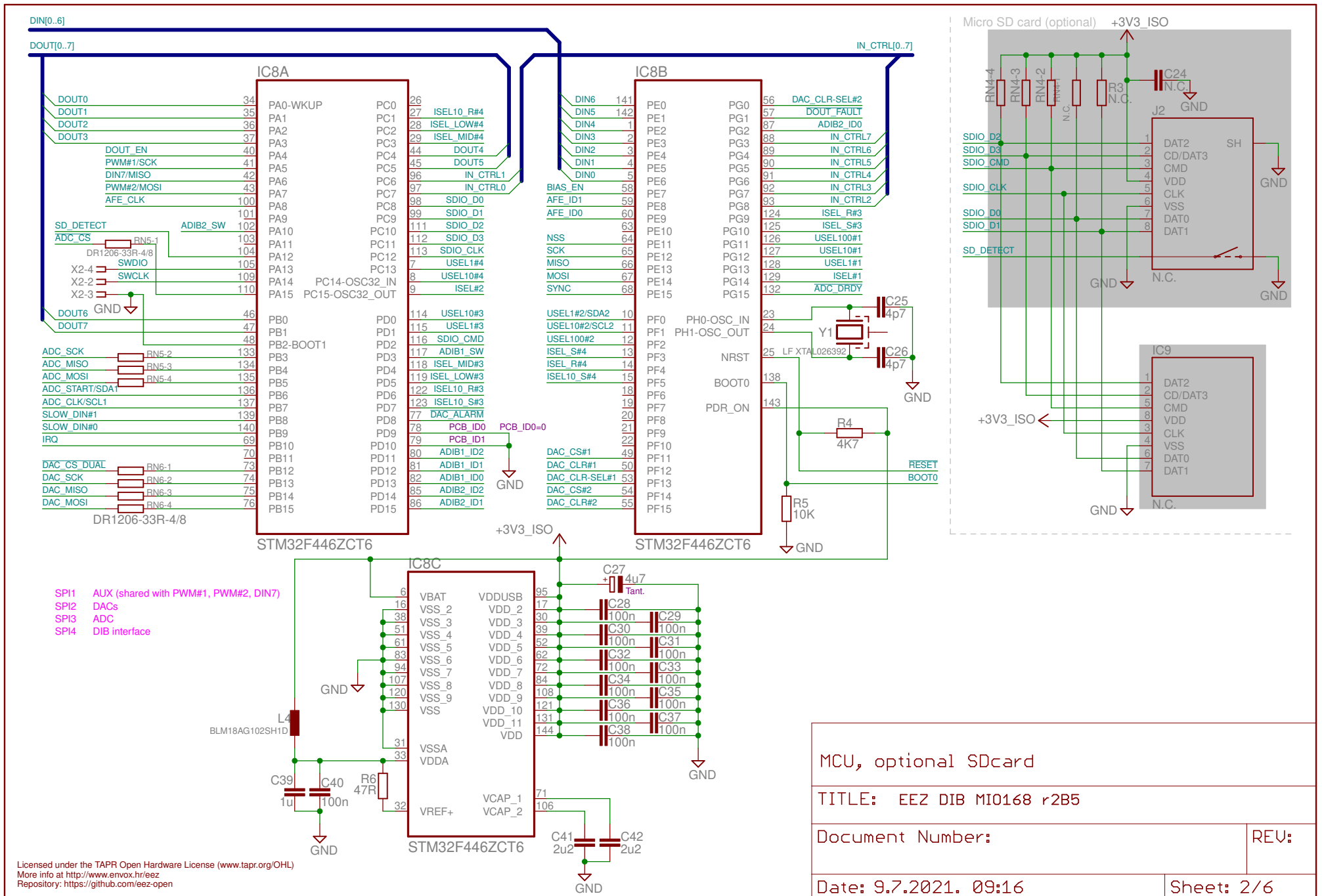


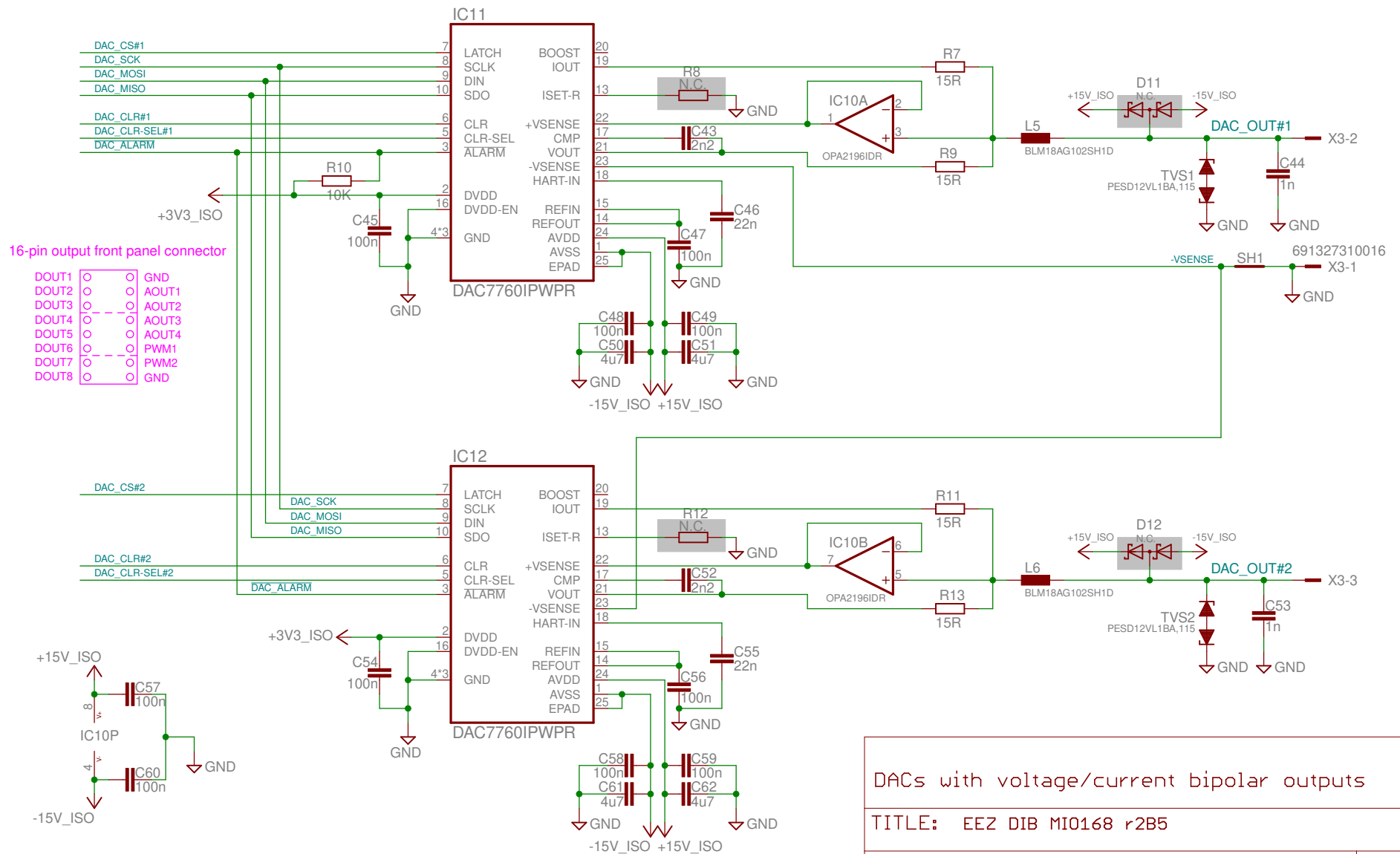
Bus isolator



Isolated +/-5 V, +/-12 V power supply, +3.3 V LDO







DACs with voltage/current bipolar outputs

TITLE: EEZ DIB MI0168 r2B5

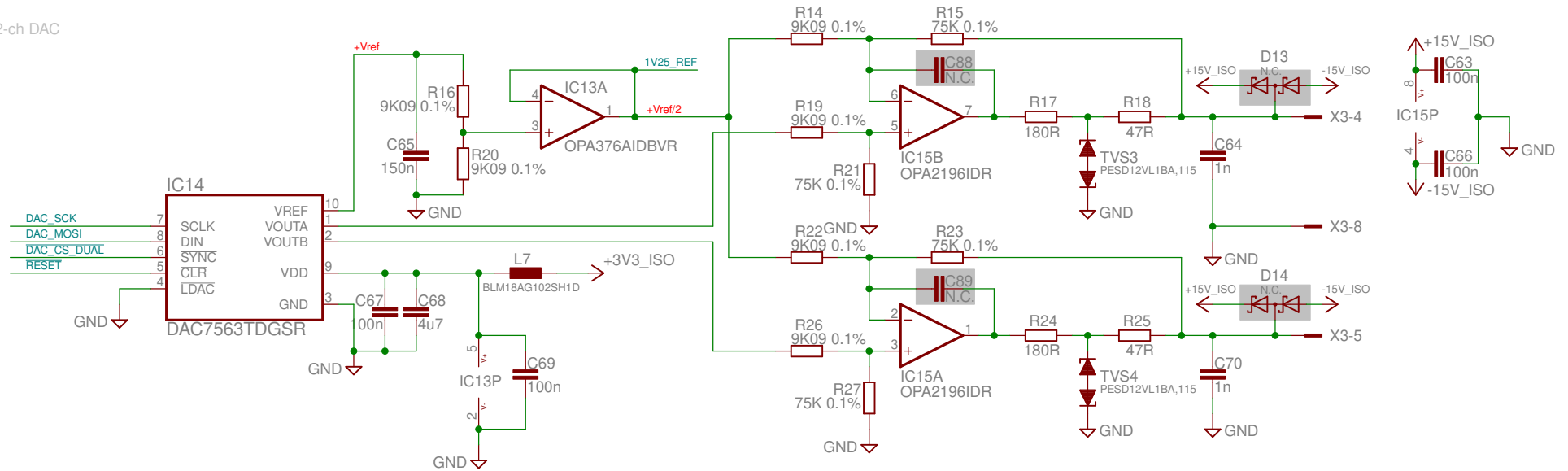
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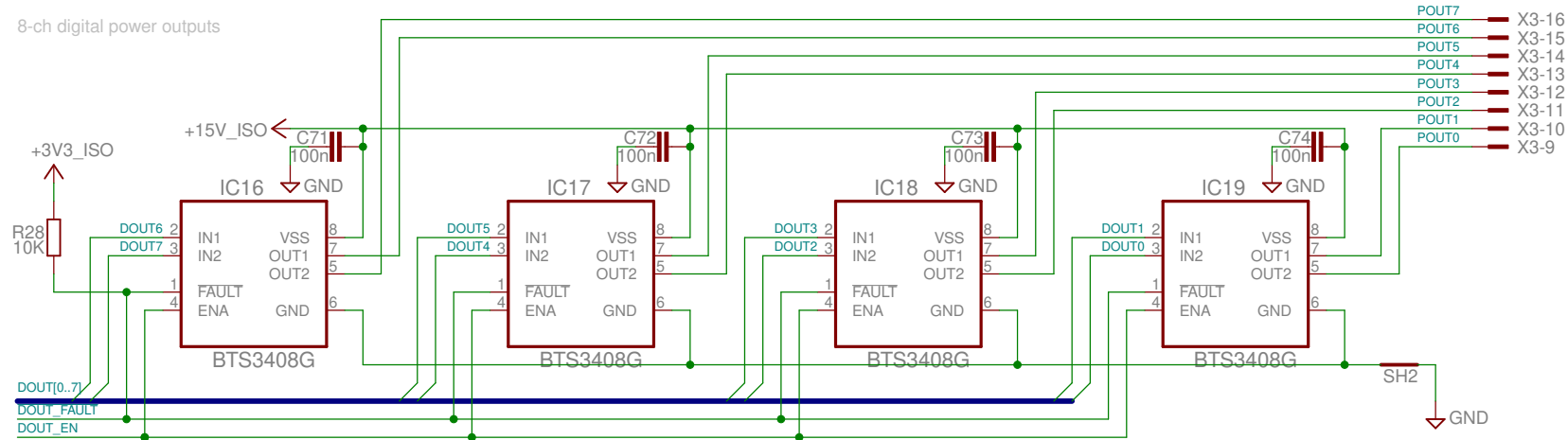
Date: 9.7.2021. 09:16

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2-ch DAC



8-ch digital power outputs



12-bit dual DAC with bipolar voltage outputs
8-ch digital low-side power outputs

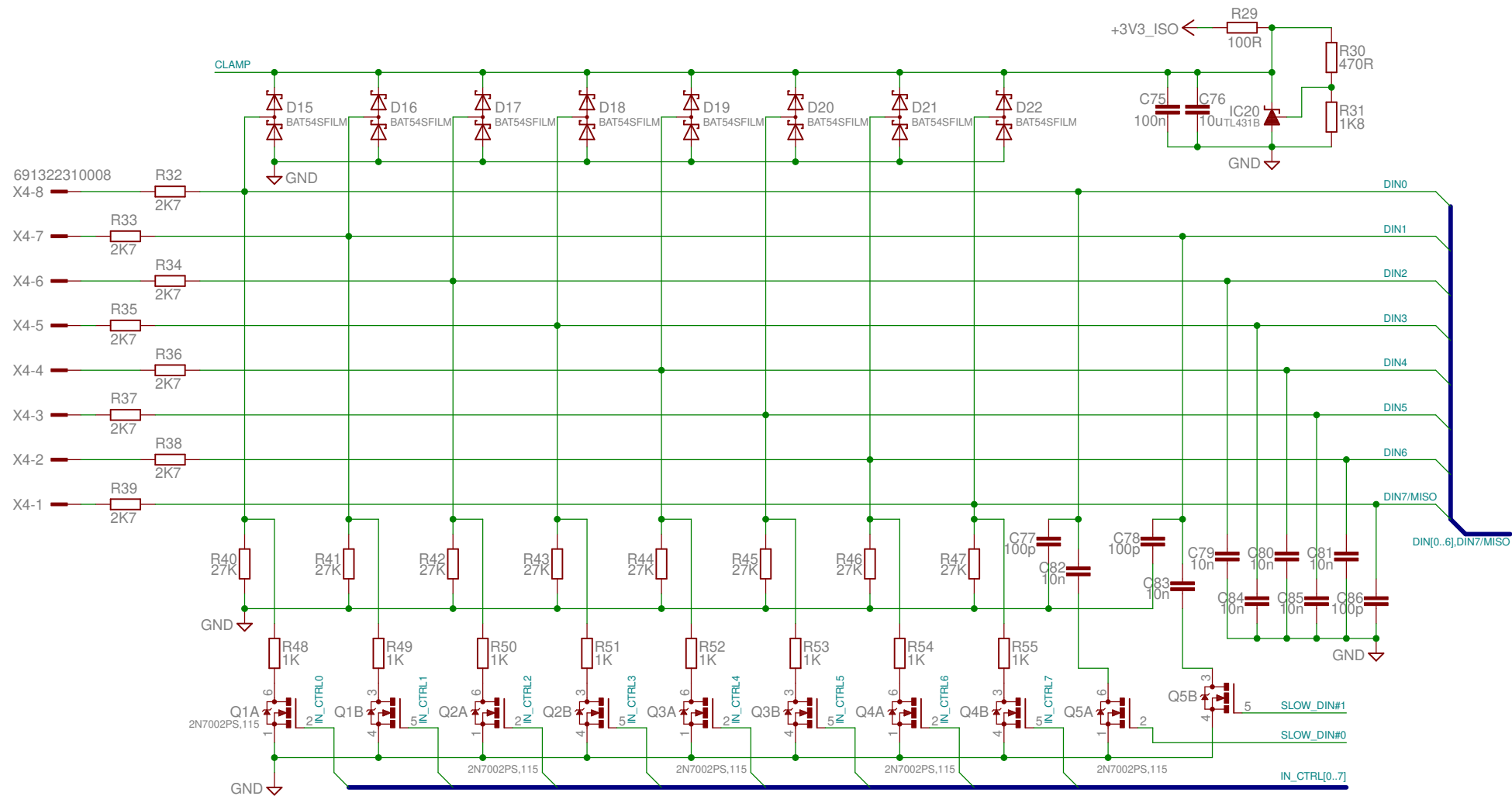
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16-pin input front panel connector

DIN1	○	○	AIN1+
DIN2	○	○	AIN1-/GND
DIN3	○	○	AIN2+
DIN4	○	○	AIN2-/GND
DIN5	○	○	AIN3+
DIN6	○	○	AIN3-/GND
DIN7	○	○	AIN4+
DIN8	○	○	AIN4-/GND

Digital inputs, two ranges

TITLE: EEZ DIB MI0168 r2B5

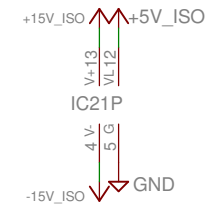
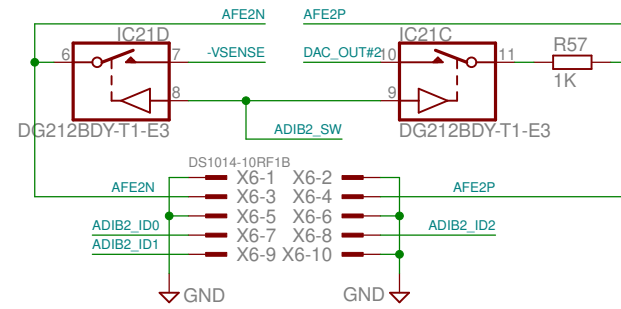
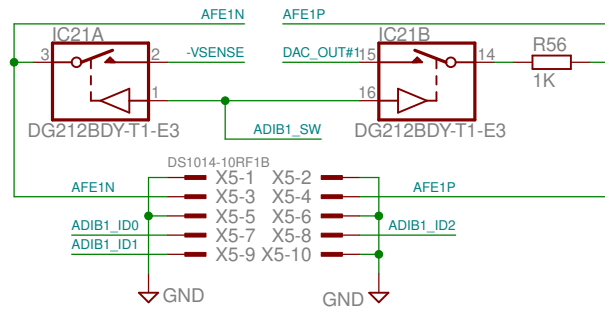
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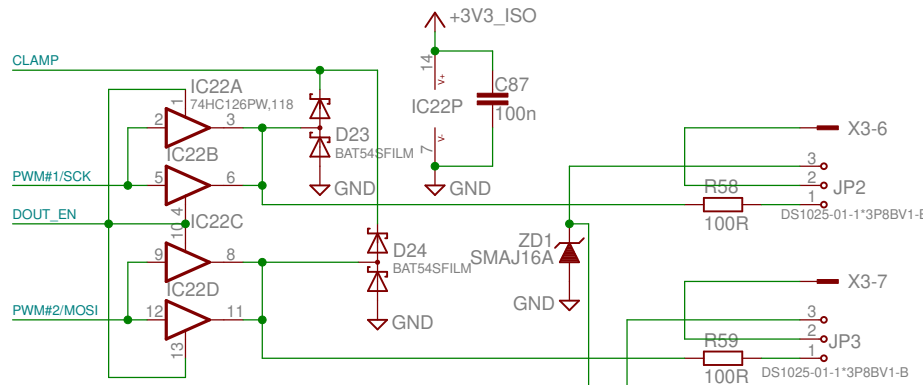
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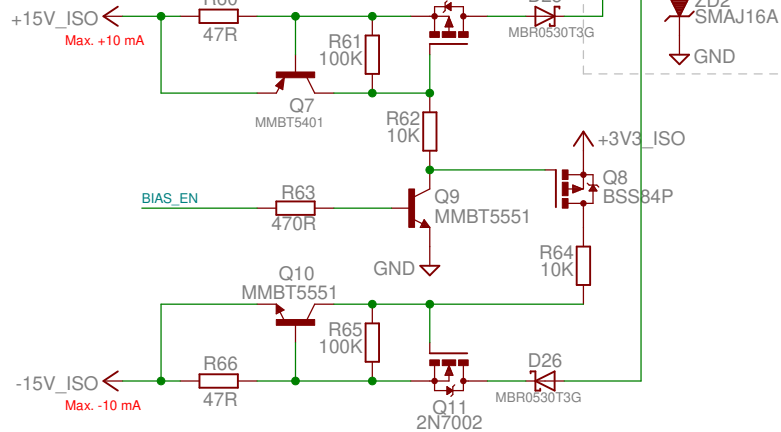
ADIB signal switching



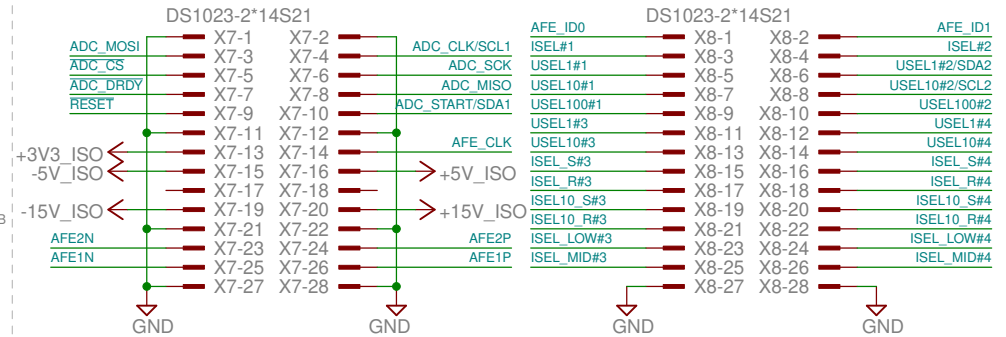
PWM outputs



Sensor bias outputs



AFE connectors



28-pin AFE socket (upper)

Gnd 1	O	O	2 Gnd
SPI_MOSI 3	O	O	4 ADC CLK SEL / I2C_SCL1
CS 5	O	O	6 SPI_CLK
DRDY 7	O	O	8 ADC_START / I2C_SDA1
RESET 9	O	O	10 SPI_MISO
Gnd 11	O	O	12 Gnd
+3V3 13	O	O	14 AFE_EXT_CLK
+5V3 15	O	O	16 -5V3
N.C. 17	O	O	18 N.C.
-15V 19	O	O	20 +15V
Gnd 21	O	O	22 Gnd
ADIB2N 23	O	O	24 ADIB2P
ADIB1N 25	O	O	26 ADIB1P
Gnd 27	O	O	28 Gnd

28-pin AFE socket (lower)

AFE_ID0 1	O	O	2 AFE_ID1
PG14 3	O	O	4 PC15
PG13 5	O	O	6 PF0 / I2C_SDA2
PG12 7	O	O	8 PF1 / I2C_SCL2
PG11 9	O	O	10 PF2
PD1 11	O	O	12 PC13
PD0 13	O	O	14 PC14
PG10 15	O	O	16 PF3
PG9 17	O	O	18 PF4
PD7 19	O	O	20 PF5
PD6 21	O	O	22 PC1
PD5 23	O	O	24 PC2
PD4 25	O	O	26 PC3
Gnd 27	O	O	28 Gnd

ADIB switches and AFE connectors
PWM outputs / sensor bias

TITLE: EEZ DIB MI0168 r2B5

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