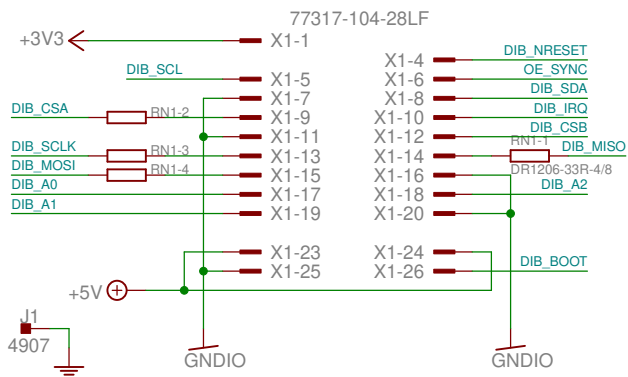
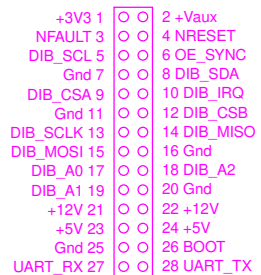


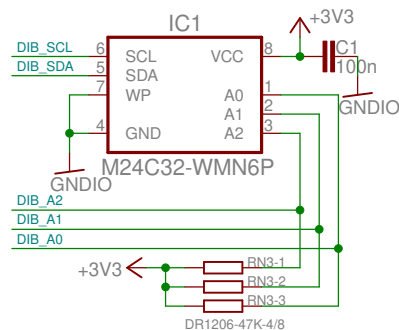
DIB connector



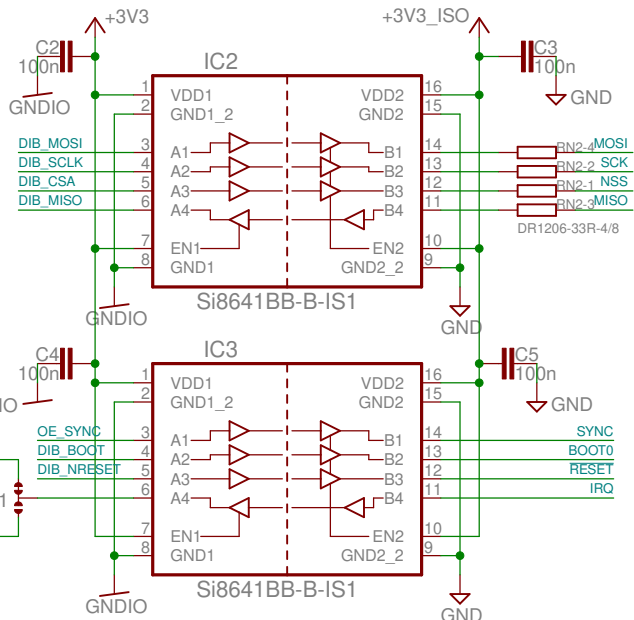
28-pin module socket



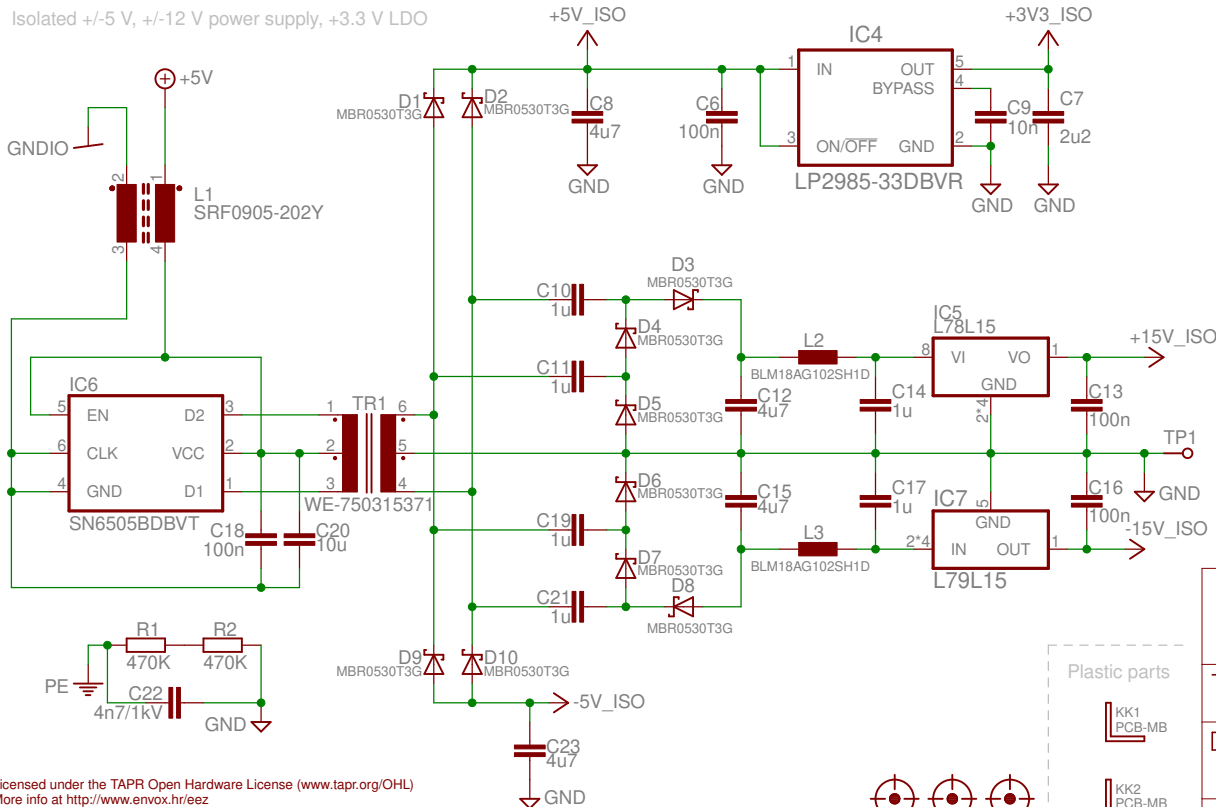
I2C Module ID EEPROM



Bus isolator



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



DIB, EEPROM, bus isolator,
Isolated power supply, LDOs

TITLE: EEZ DIB MI0168 r2B4

Document Number:

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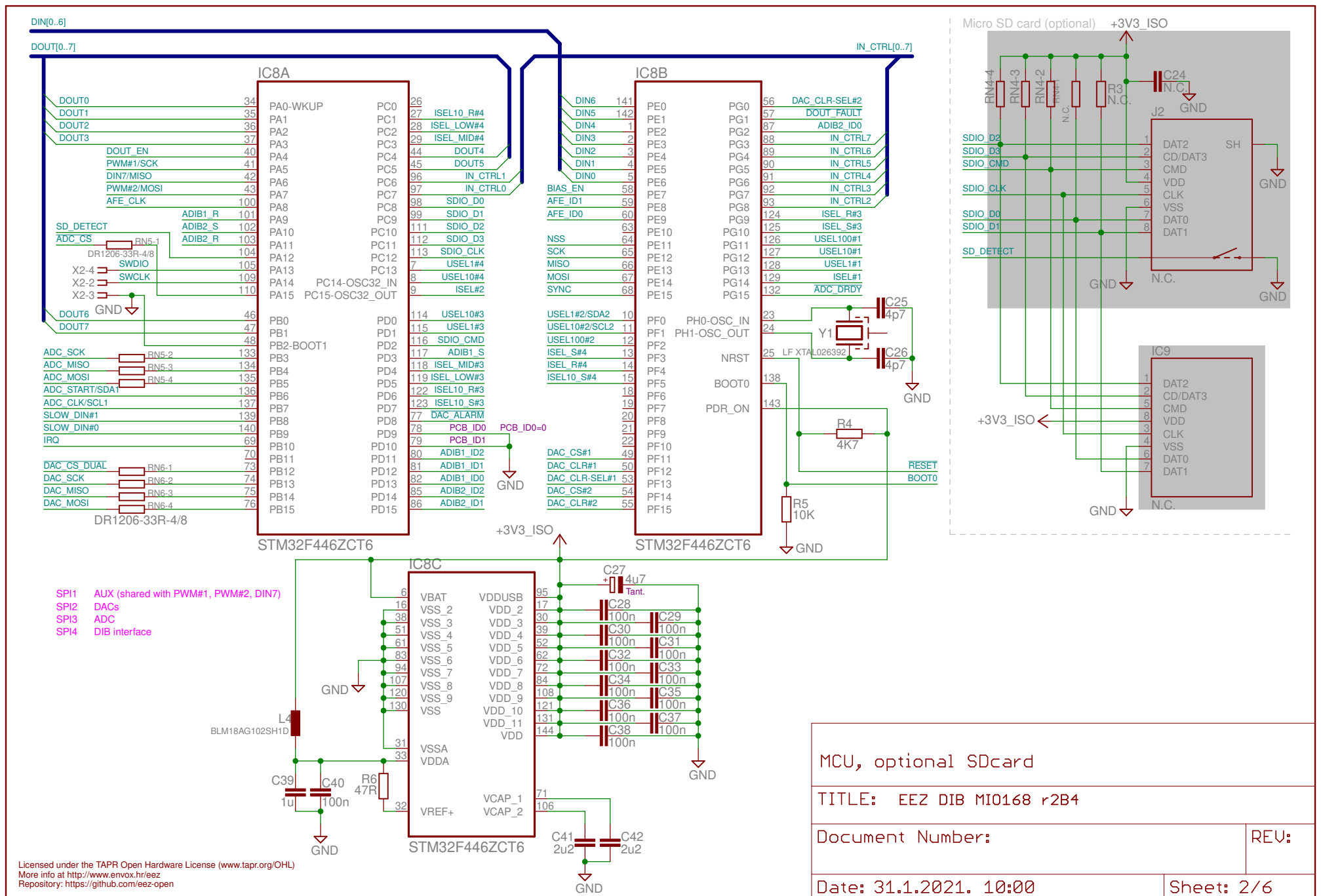
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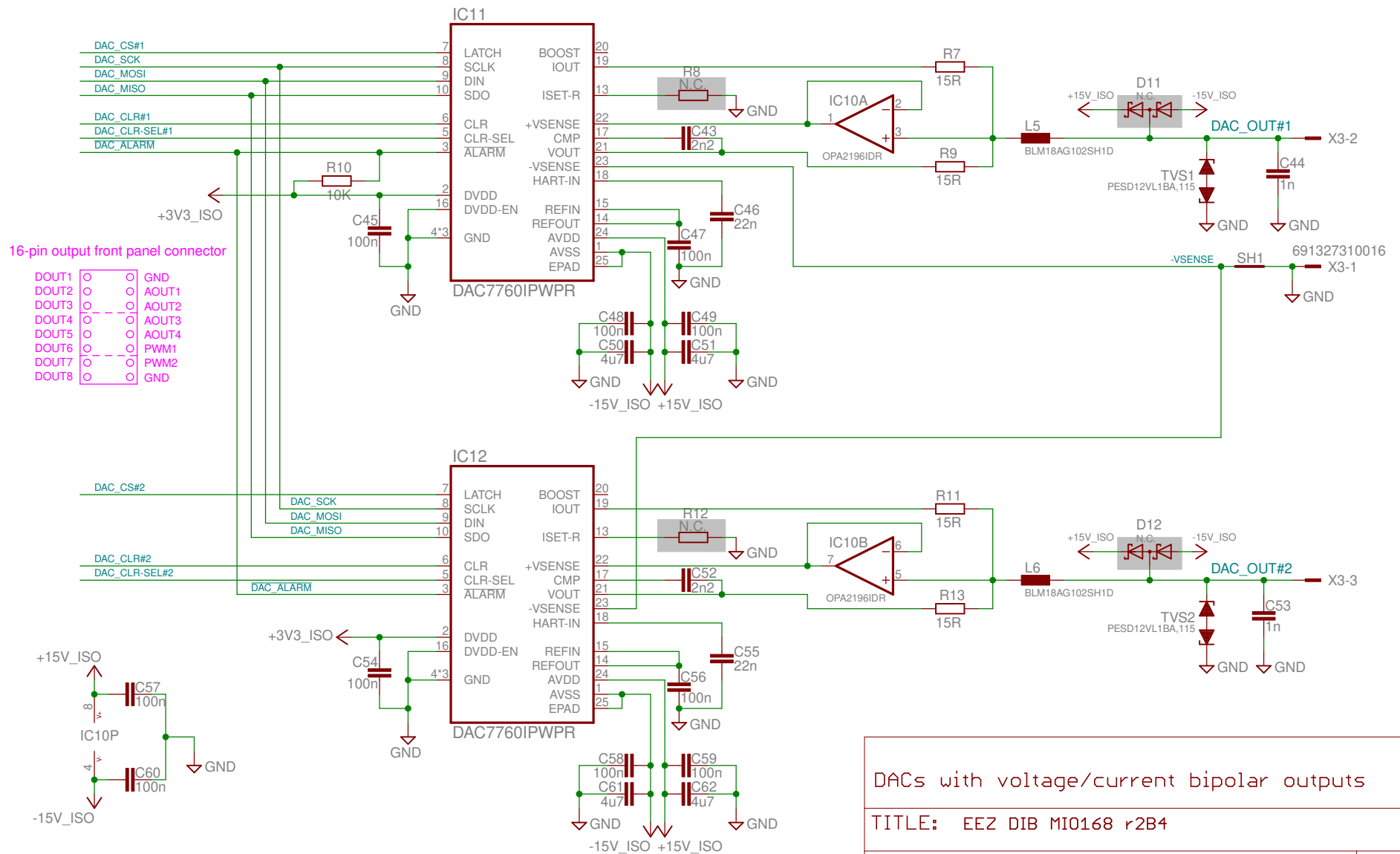
Sheet: 1/6



Plastic parts







DACs with voltage/current bipolar outputs

TITLE: EEZ DIB MI0168 r2B4

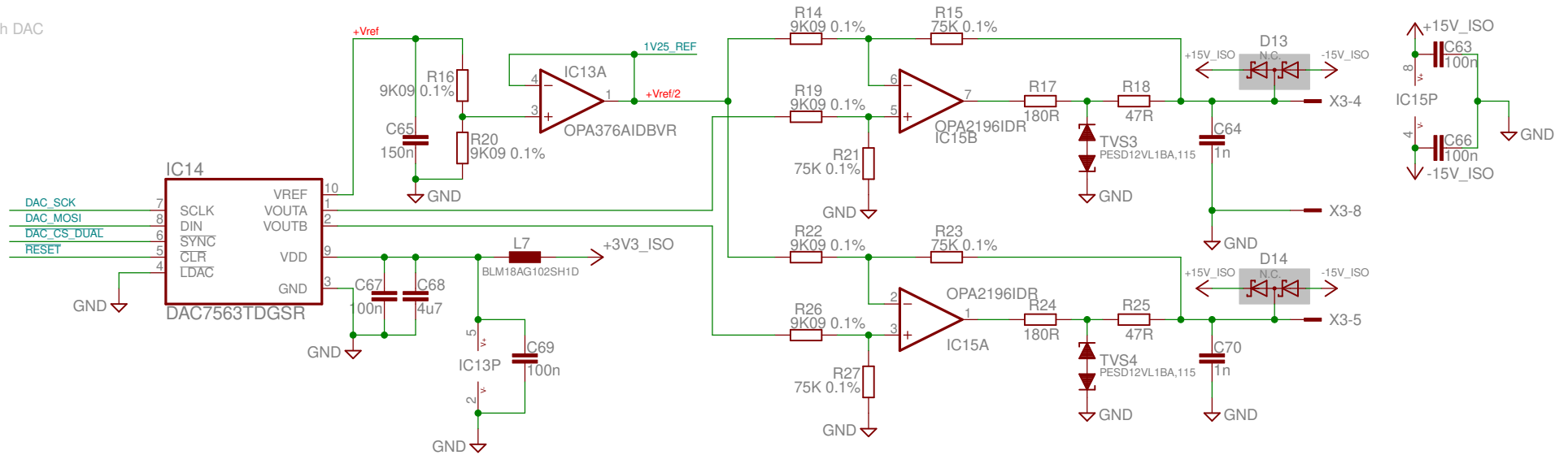
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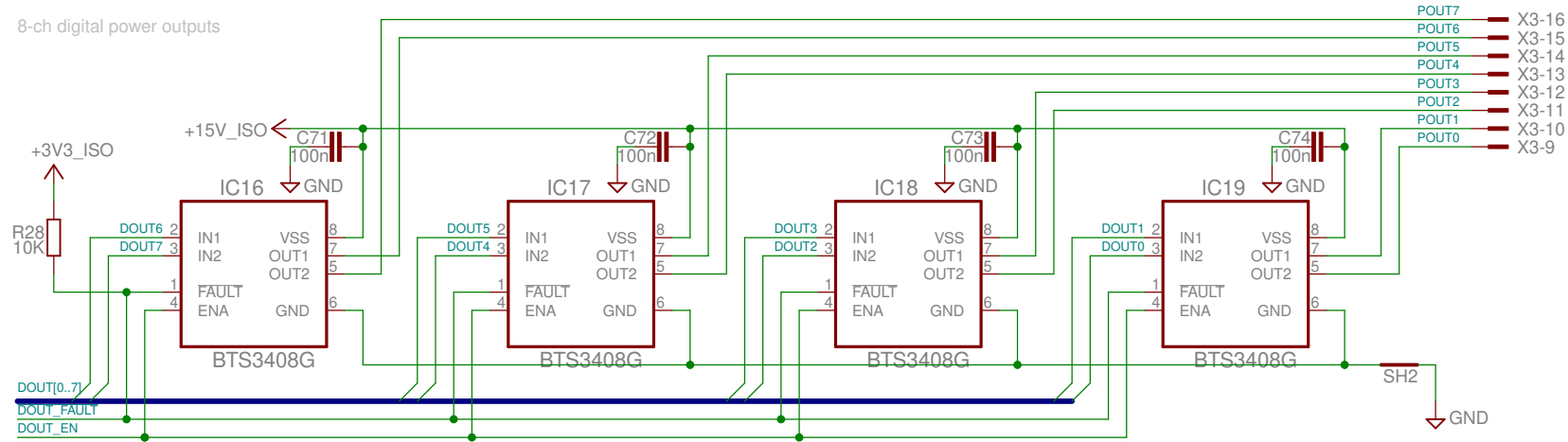
Date: 31.1.2021. 10:00

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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

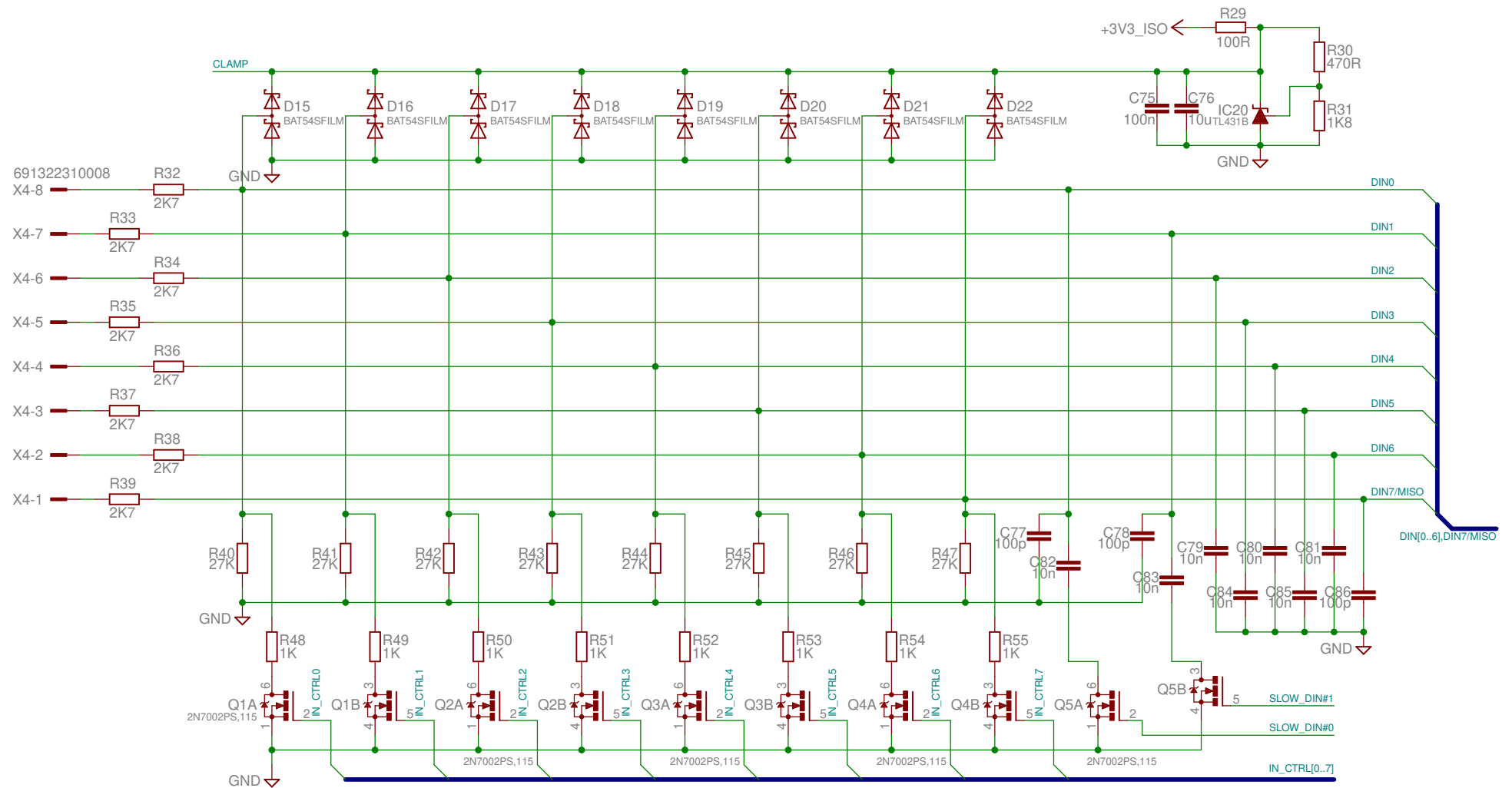
TITLE: EEZ DIB MI0168 r2B4

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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 r2B4

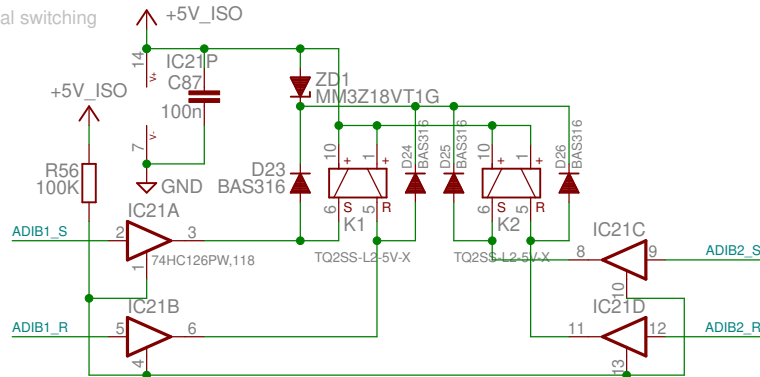
Document Number:

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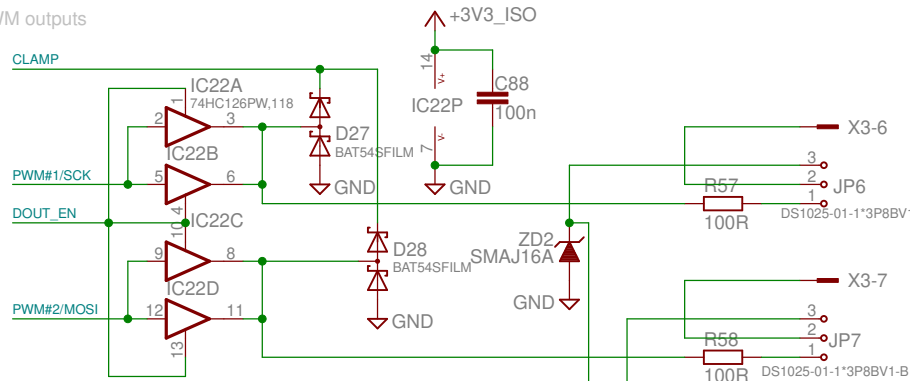
Date: 31.1.2021. 10:00

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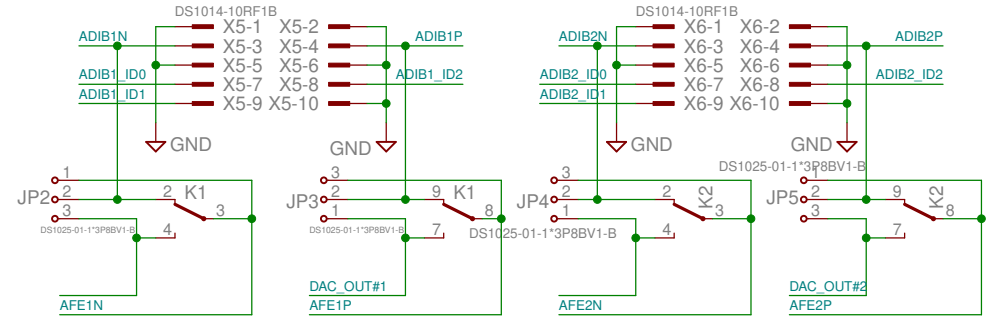
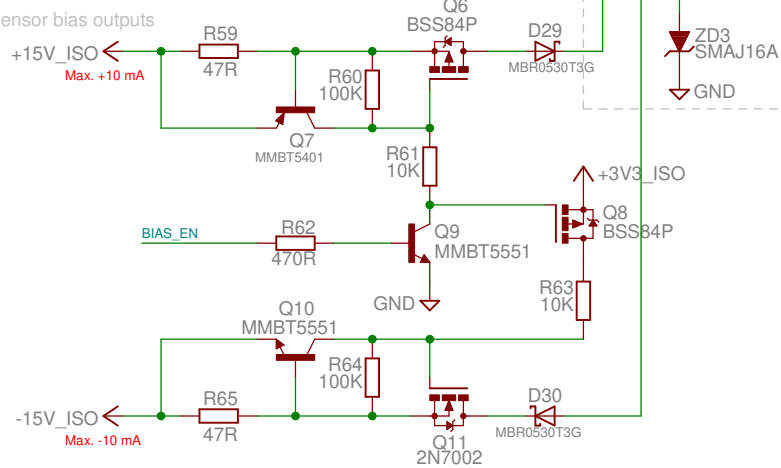
ADIB signal switching



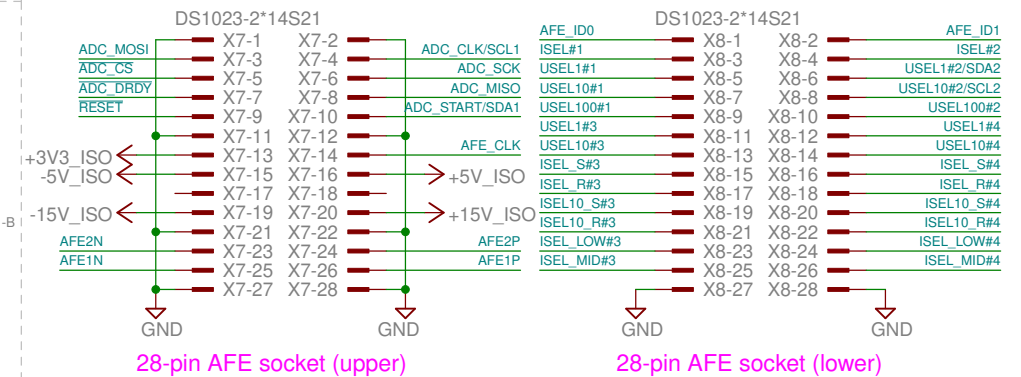
PWM outputs



Sensor bias outputs



AFE connectors



28-pin AFE socket (upper)

ADC_MOSI	X7-1	X7-2	ADC_CLK/SCL1
ADC_CS	X7-3	X7-4	ADC_SCK
ADC_DRDY	X7-5	X7-6	ADC_MISO
RESET	X7-7	X7-8	ADC_START/SDA1
	X7-9	X7-10	
	X7-11	X7-12	AFE_CLK
+3V3_ISO	X7-13	X7-14	
-5V_ISO	X7-15	X7-16	+5V_ISO
	X7-17	X7-18	
-15V_ISO	X7-19	X7-20	+15V_ISO
AFE2N	X7-21	X7-22	AFE2P
AFE1N	X7-23	X7-24	AFE1P
	X7-25	X7-26	
	X7-27	X7-28	

28-pin AFE socket (lower)

AFE_ID0	X8-1	X8-2	AFE_ID1
ISEL#1	X8-3	X8-4	ISEL#2
USEL1#1	X8-5	X8-6	USEL1#2/SDA2
USEL10#1	X8-7	X8-8	USEL10#2/SCL2
USEL100#1	X8-9	X8-10	USEL100#2
USEL1#3	X8-11	X8-12	USEL1#4
USEL10#3	X8-13	X8-14	USEL10#4
ISEL_S#3	X8-15	X8-16	ISEL_S#4
ISEL_R#3	X8-17	X8-18	ISEL_R#4
ISEL10_S#3	X8-19	X8-20	ISEL10_S#4
ISEL10_R#3	X8-21	X8-22	ISEL10_R#4
ISEL_LOW#3	X8-23	X8-24	ISEL_LOW#4
ISEL_MID#3	X8-25	X8-26	ISEL_MID#4
	X8-27	X8-28	

PWM outputs / sensor bias
ADIB and AFE connectors

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