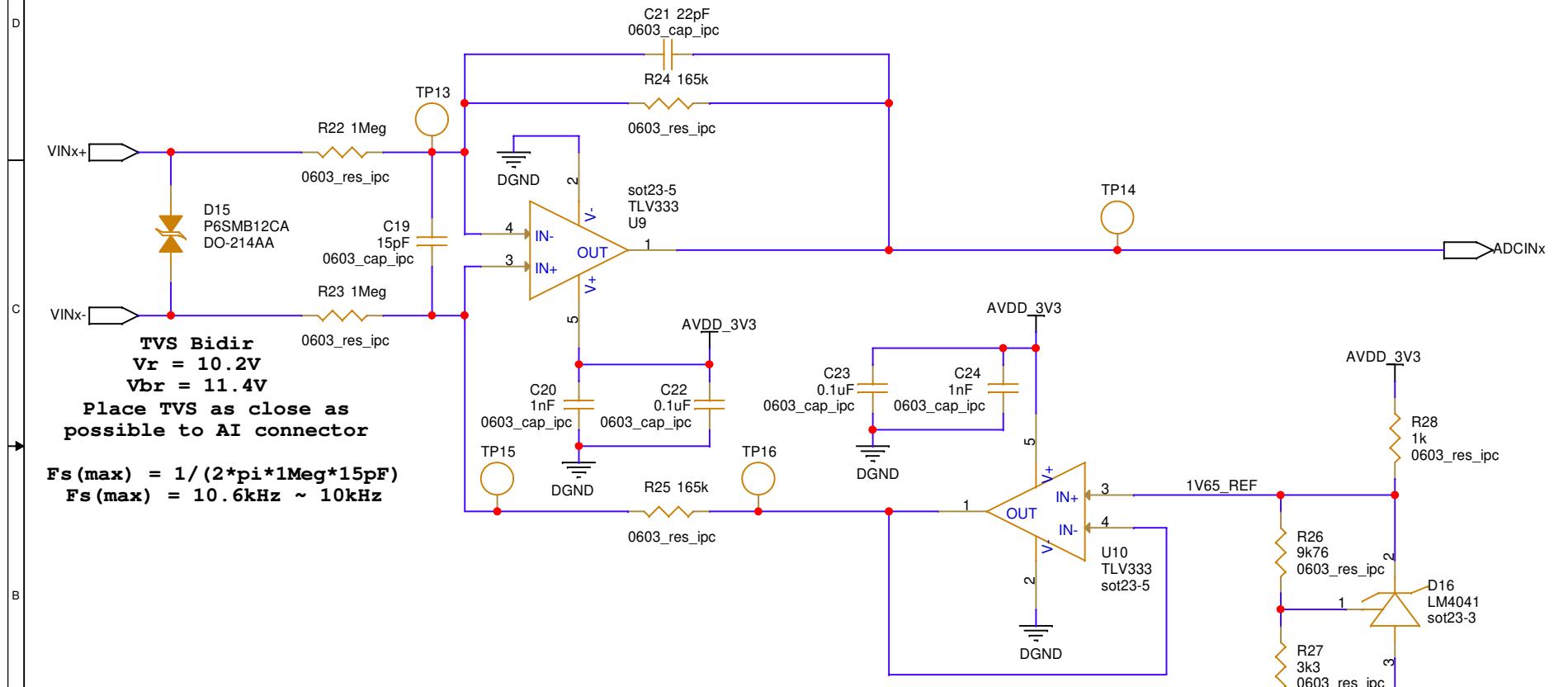


Analog input ±10V
10 bits resolution



Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

Designed by : Jean-Francois Bilodeau, B.E.Eng

CPI/CEP #6022173

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Sheet title : Analog input ±10V

Project: DSPEAK-V1_00-OB

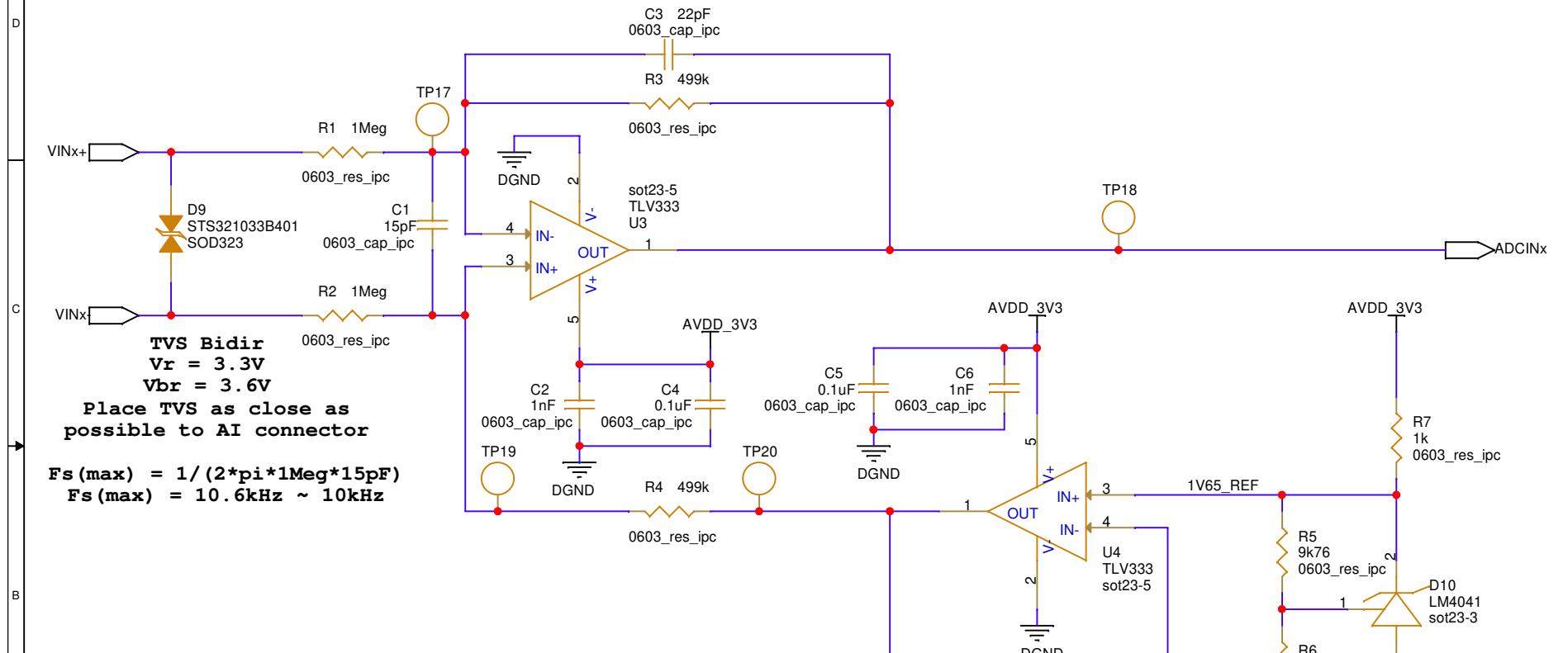
Date: Thursday, March 25, 2021

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Analog input $\pm 3.3V$
12 bits resolution



Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

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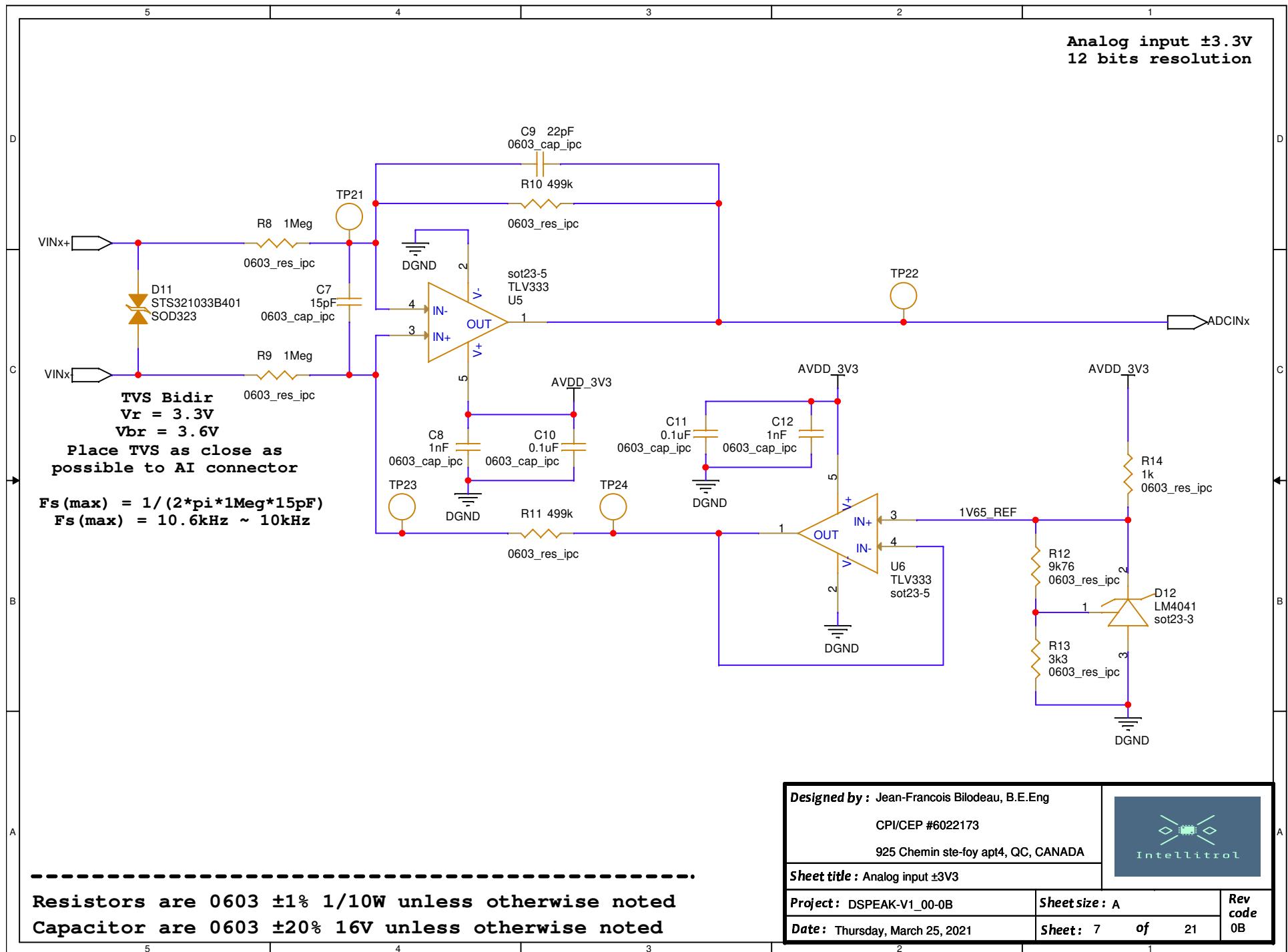
Sheet title : Analog input ±3V3

Project: DSPEAK-V1_00-0B

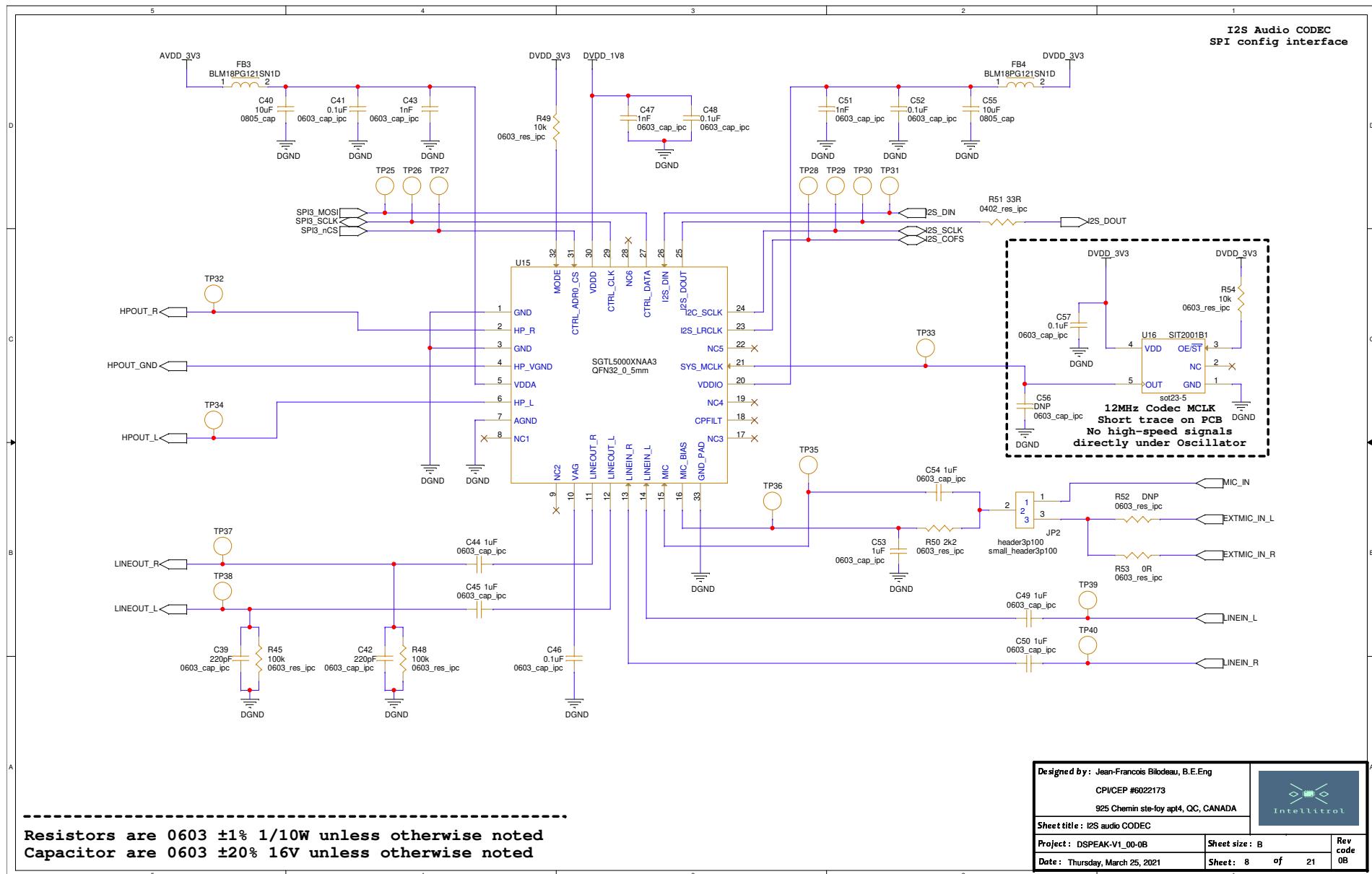
Date: Thursday, March 25, 2021

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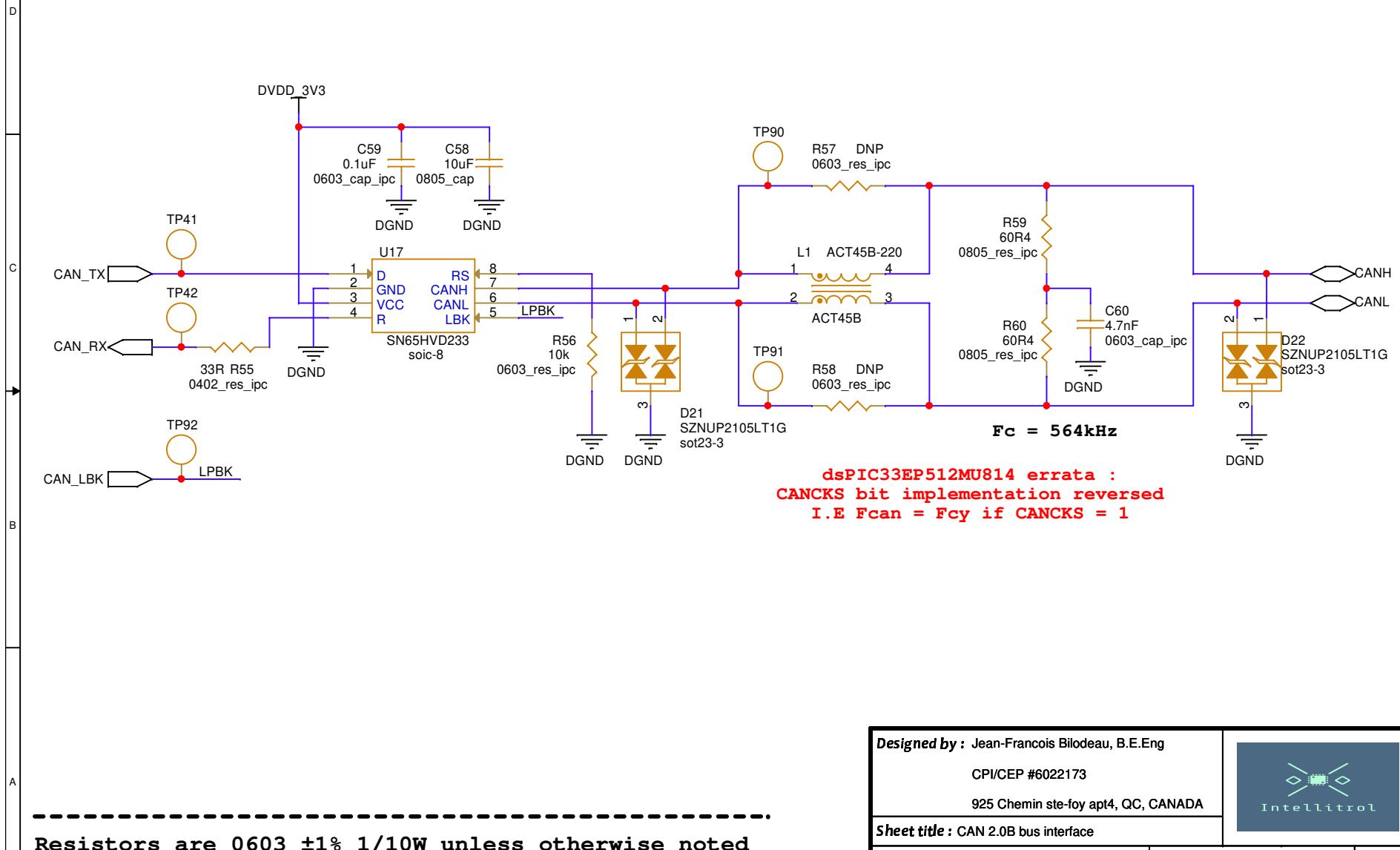
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I2S Audio CODEC
SPI config interface



CAN bus interface
CAN 2.0B support
Max bitrate 550kbps



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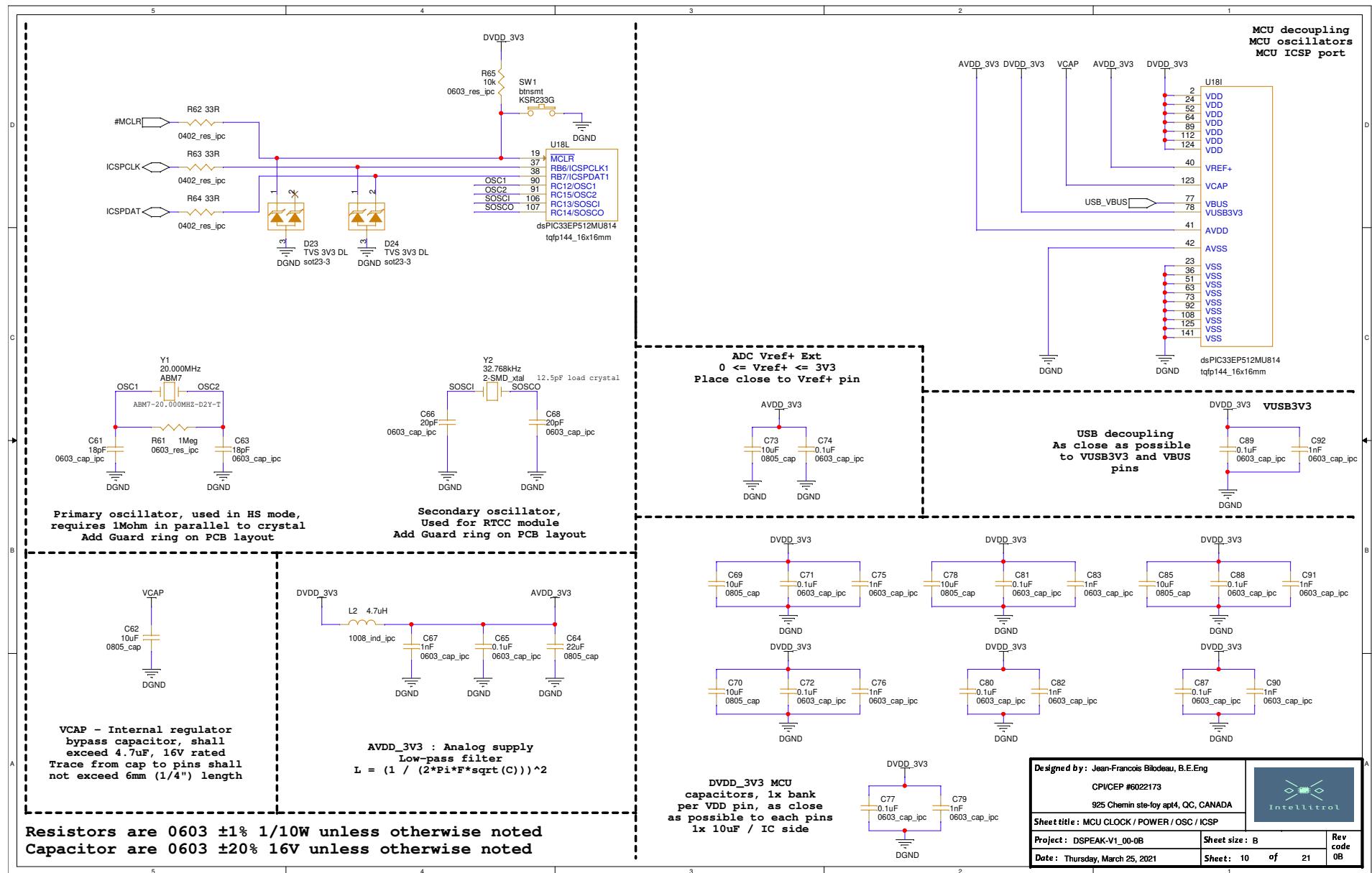
Sheet title : CAN 2.0B bus interface

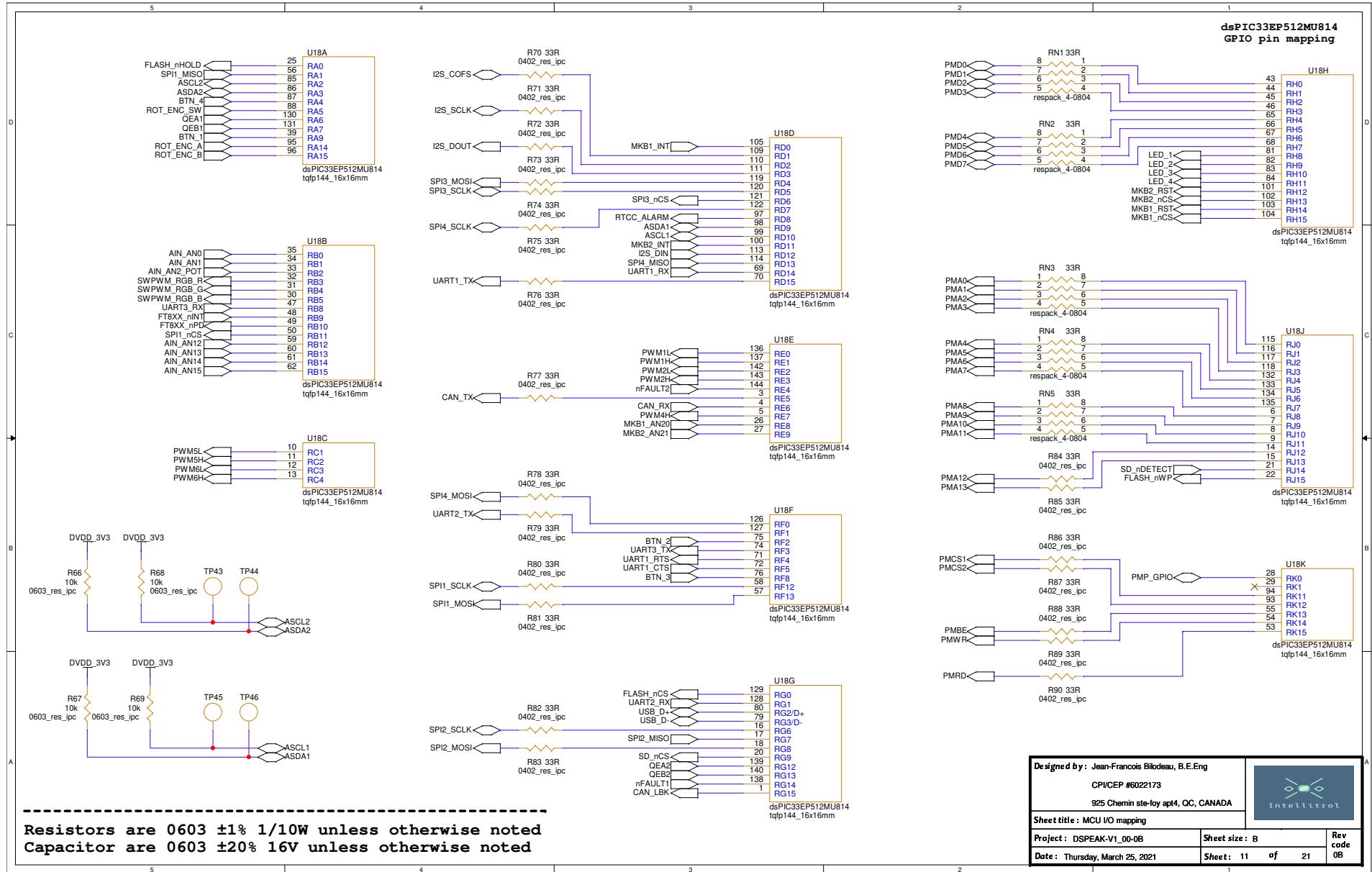
Project: DSPEAK-V1_00-0B

Date: Sunday, March 28, 2021



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Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

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CPI/CEP #60221

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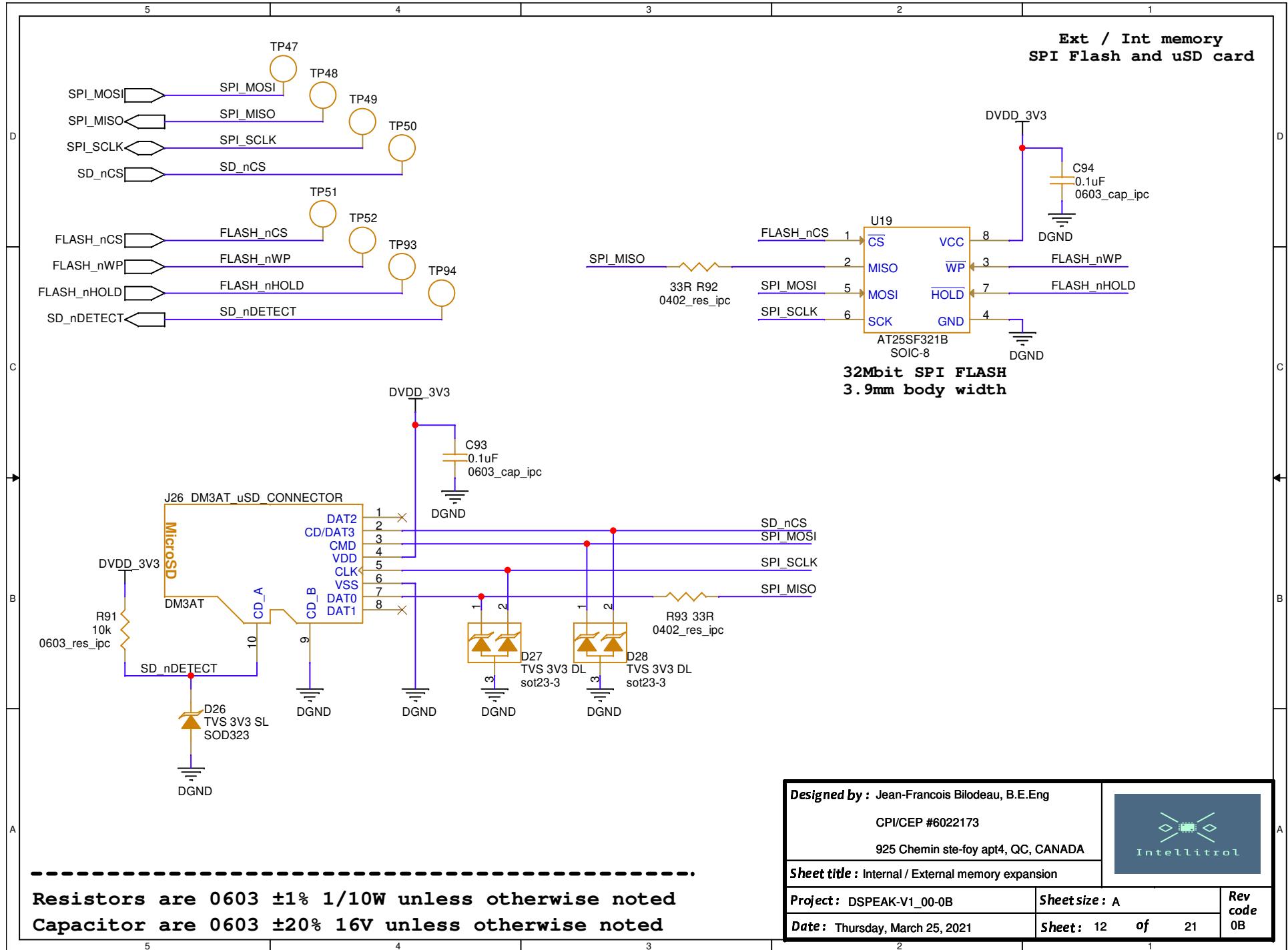
Sheet title : MCU I/O map

Project : DSPEAK-V1_00

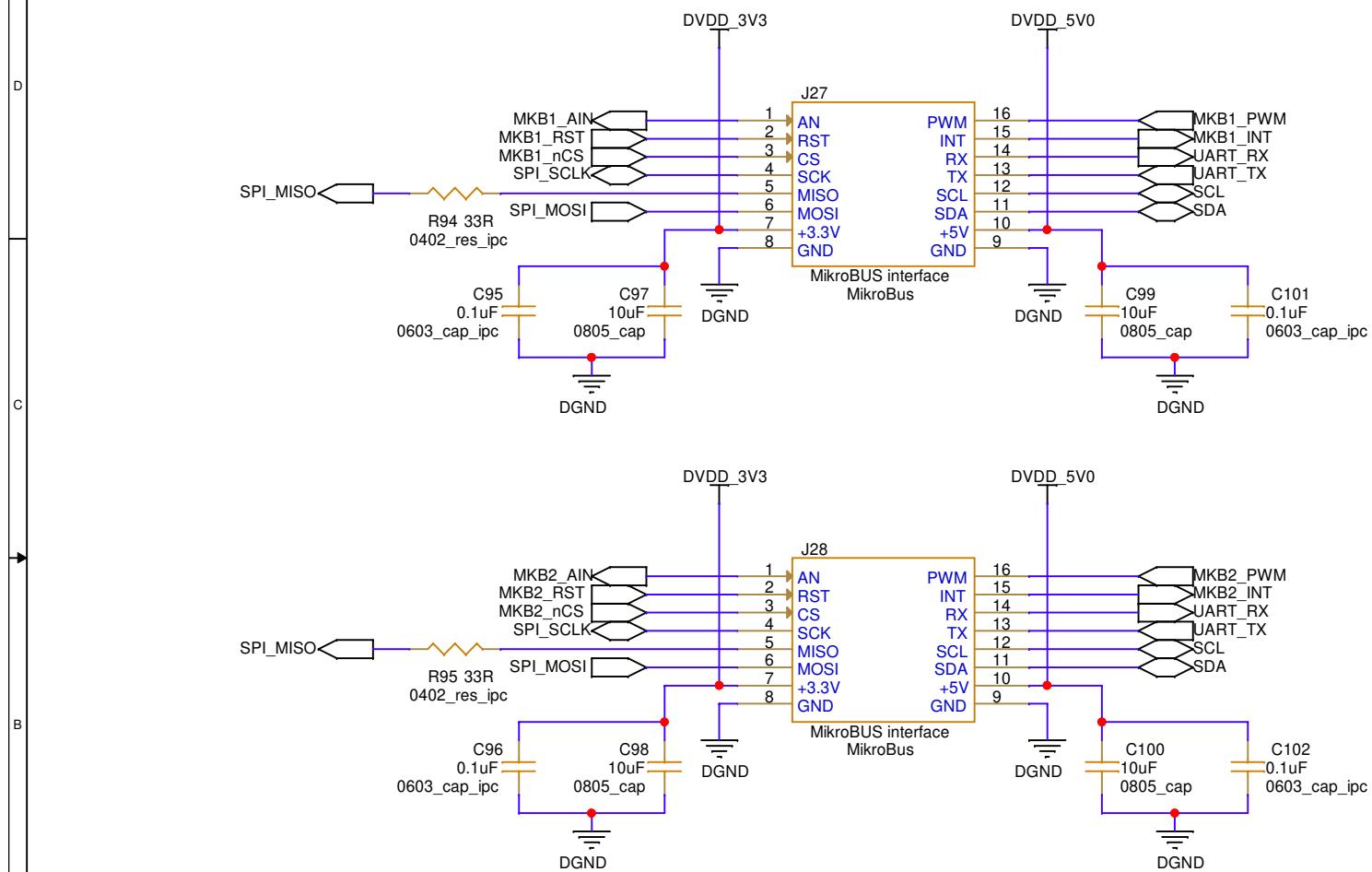
Date : Thursday, March 25, 202

Table 1. Summary of the main characteristics of the four groups.





MikroBus port
Click Board compatible
General purpose I/Os



Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

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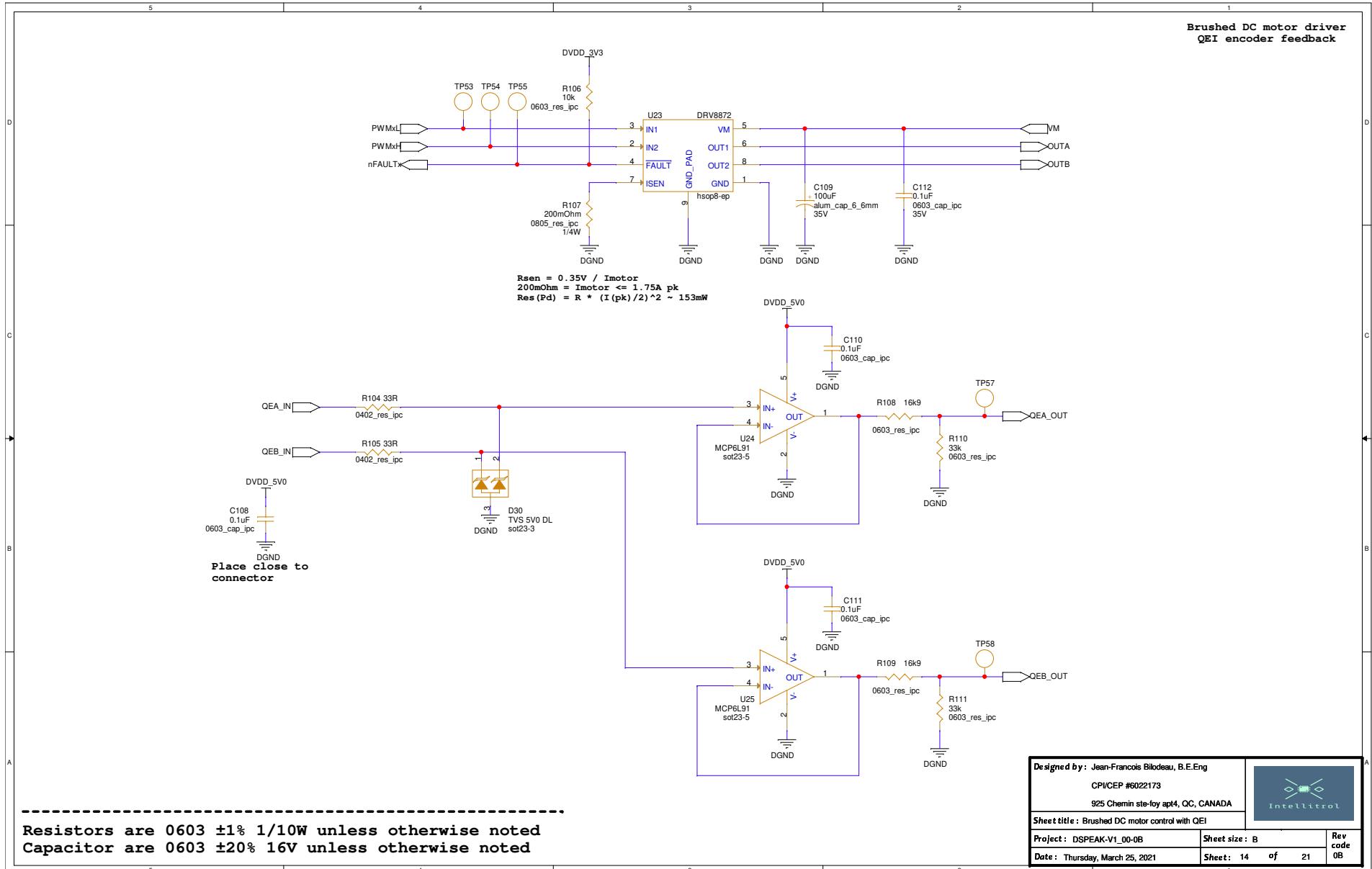
Sheet title : MikroBus expansion socket - dual

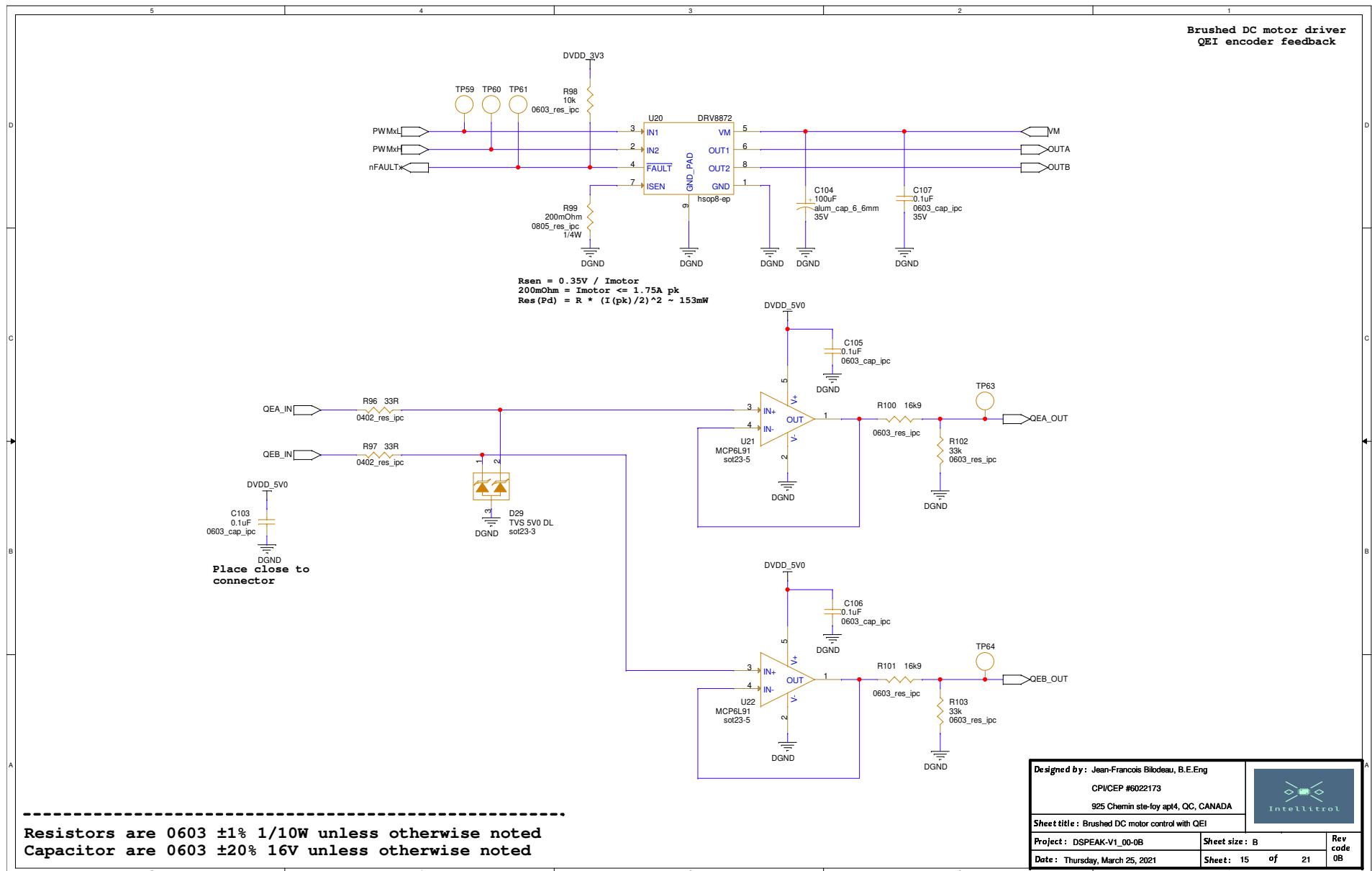
Project: DSPEAK-V1_00-0B

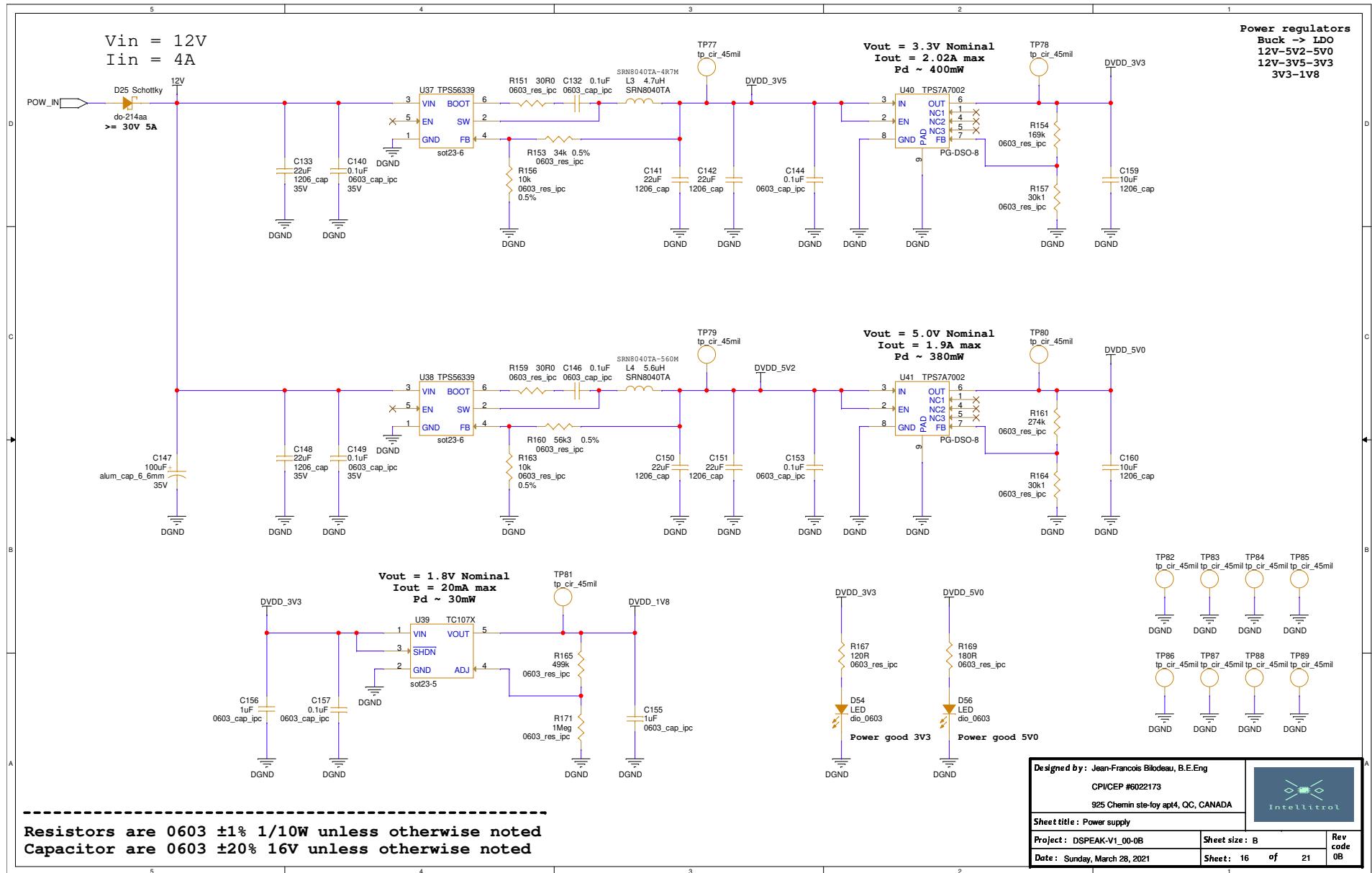
Date: Thursday, March 25, 2021

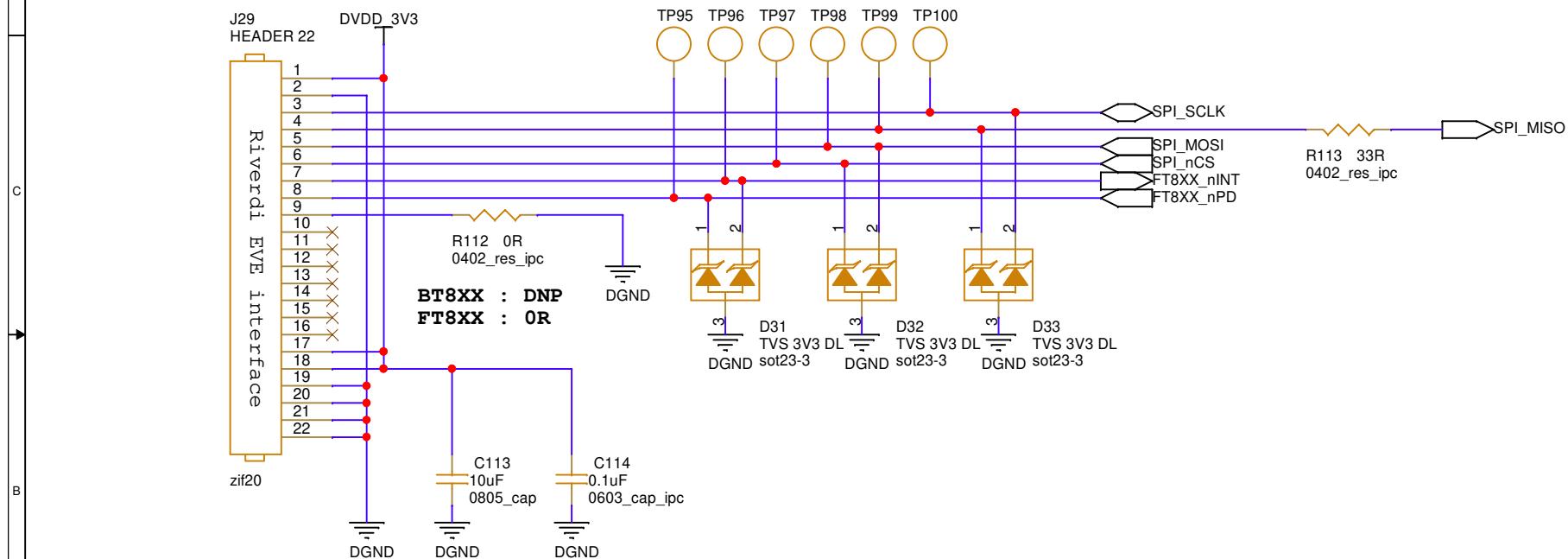


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Sheet title : Riverdi TFT LCD EVE interface



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Project: DSPEAK-V1_00-0B

Date: Thursday, March 25, 2021

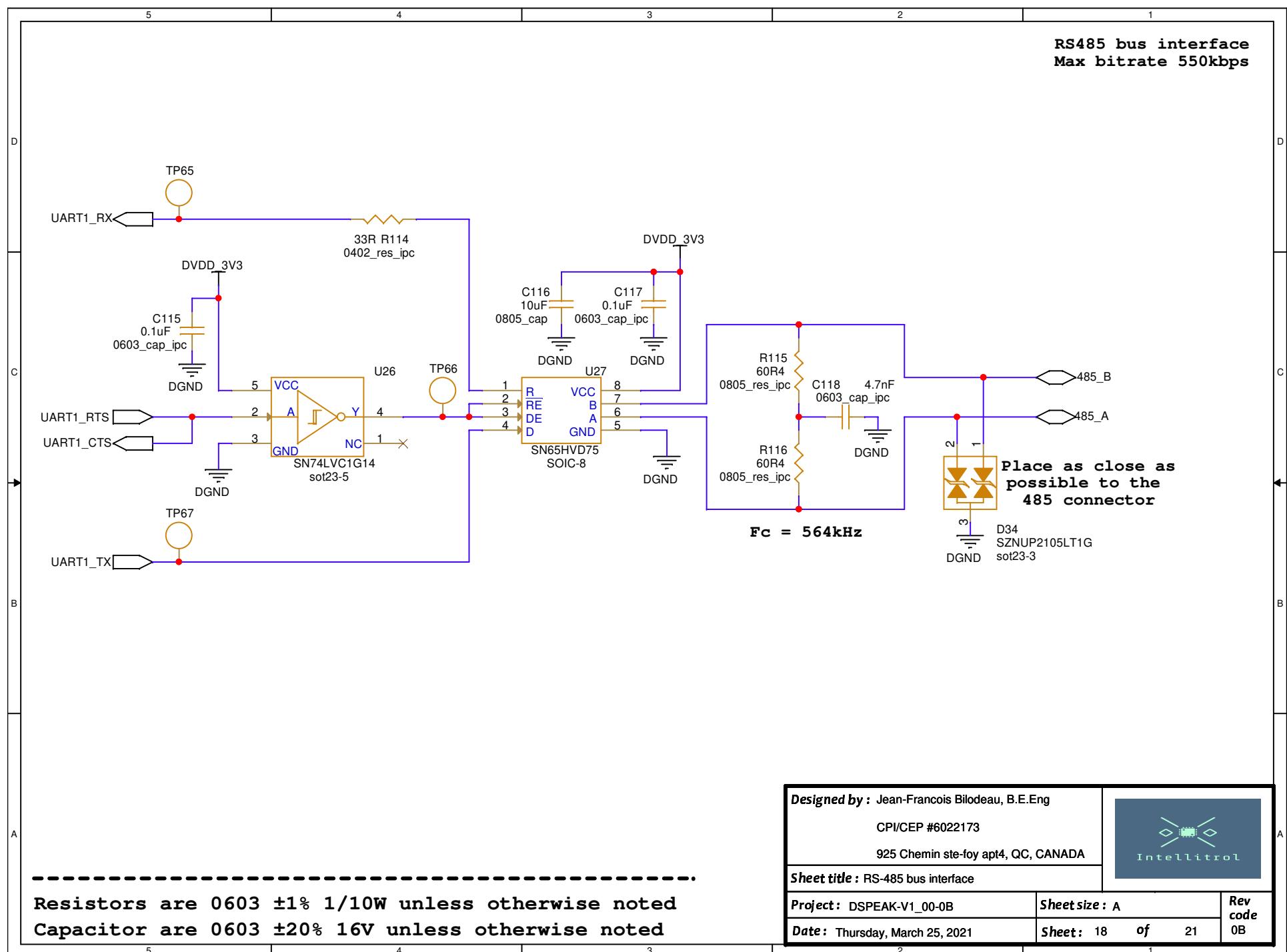
Sheet size : A

Sheet : 17 of 21

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Resistors are 0603 ±1% 1/10W unless otherwise noted

Capacitor are 0603 ±20% 16V unless otherwise noted



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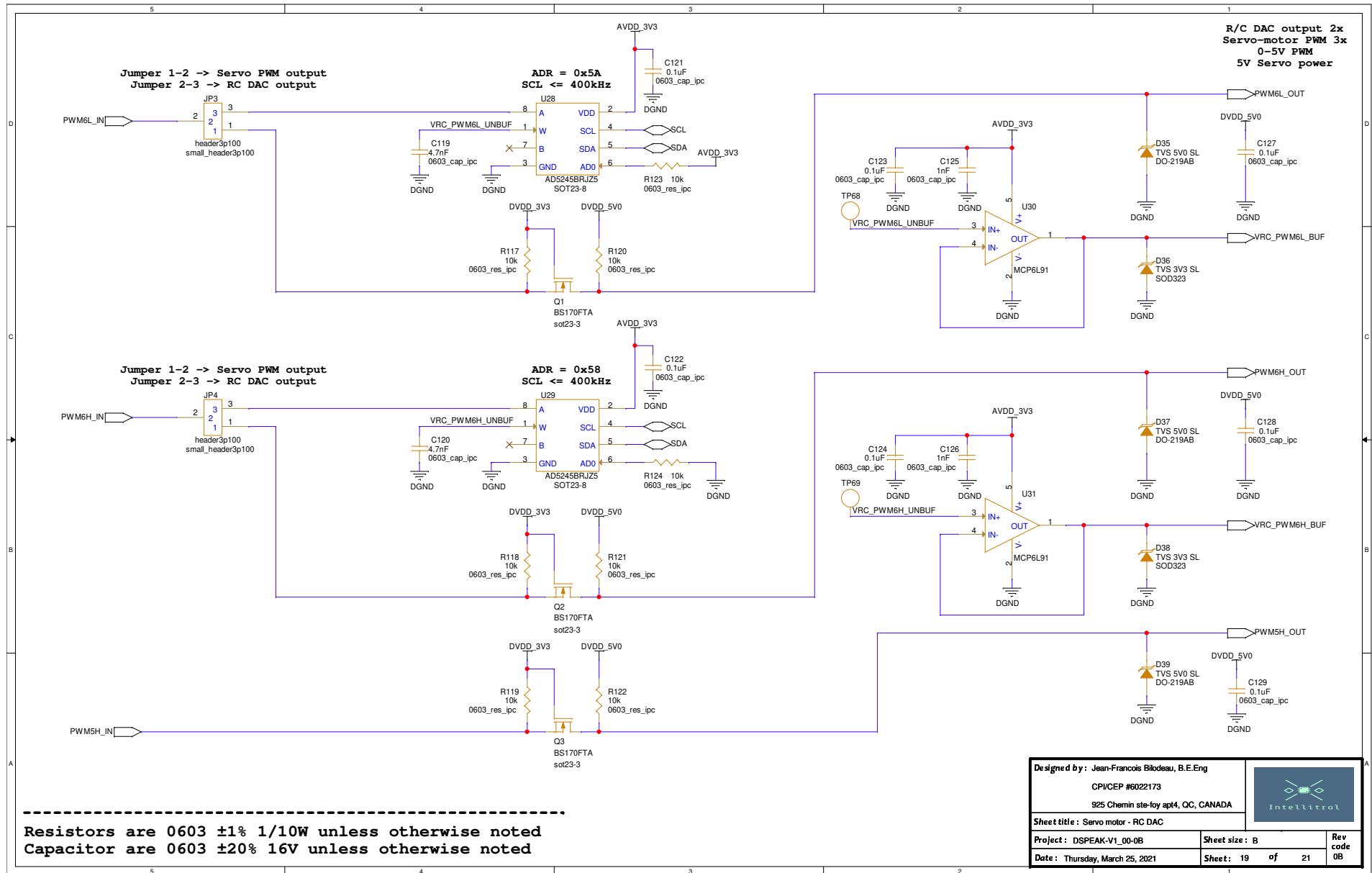
Sheet title : RS-485 bus interface

Project: DSPEAK-V1_00-0B

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Sheet title: Servo motor - RC DAC

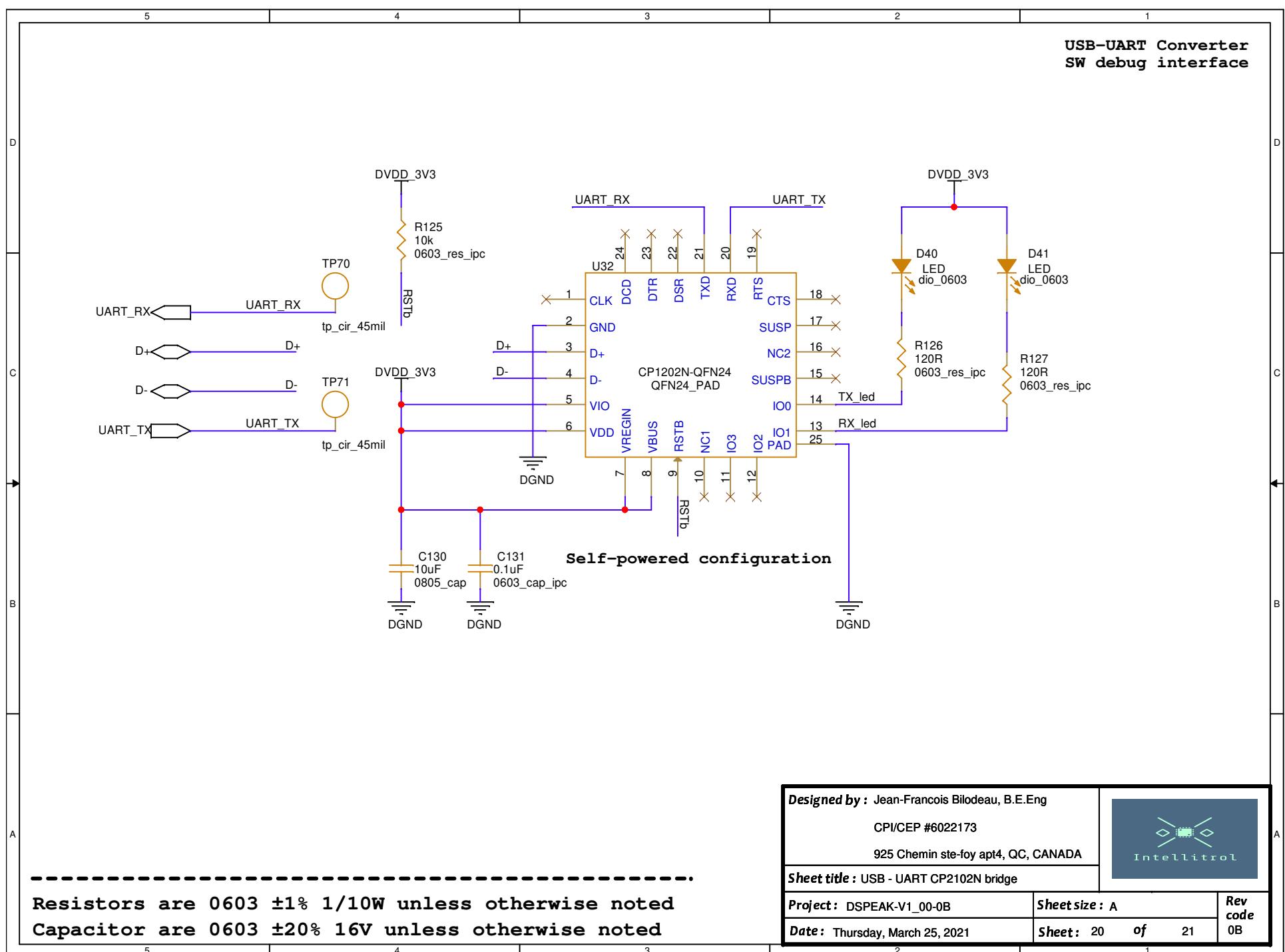
Project : DSPEAK-V1_00-08

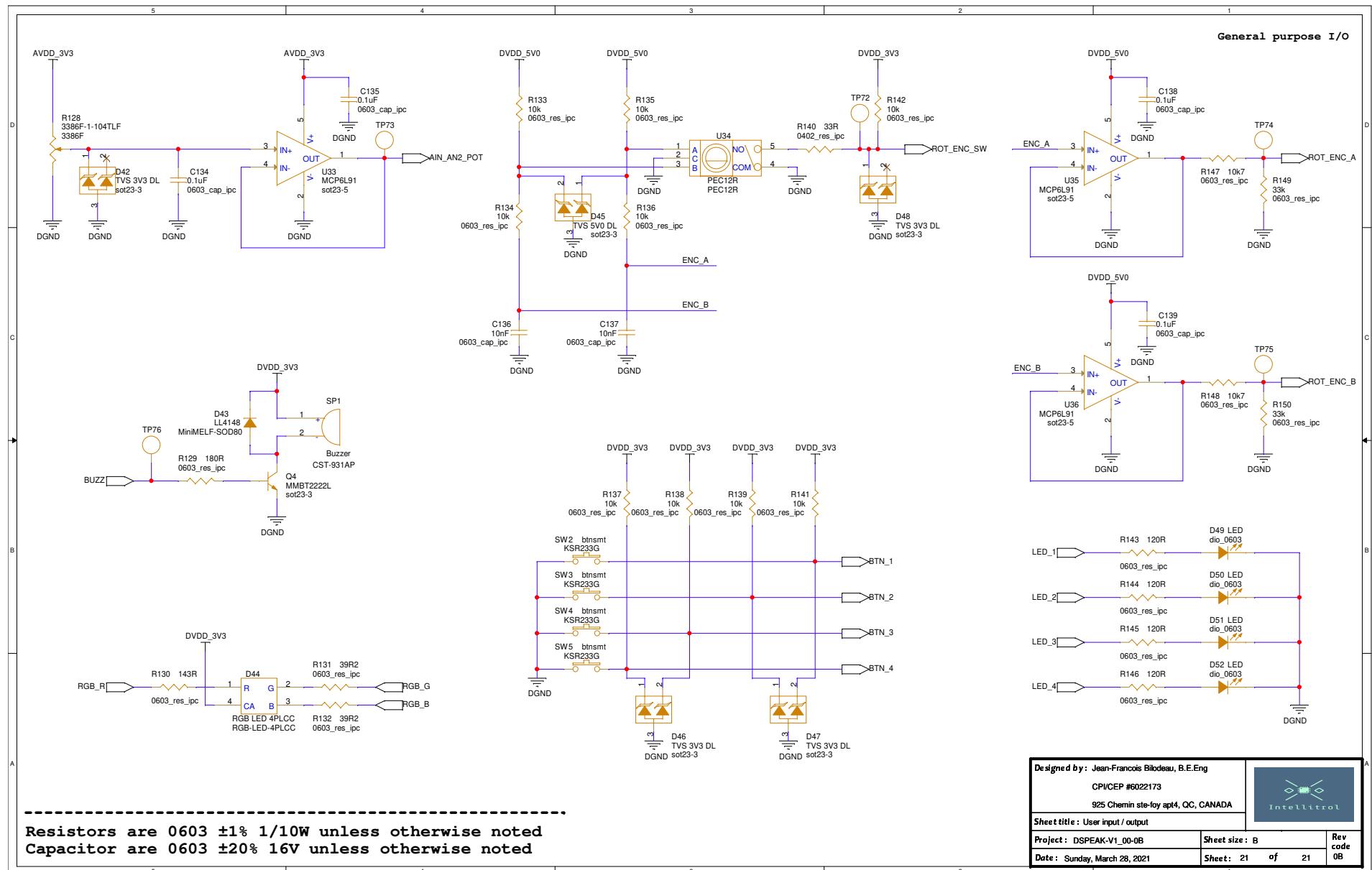
Sheet size : B

Date : Thursday, March 25, 2021

Sheet: 19 of 21

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Sheet title : User input / output

Project : DSPEAK-V1.00-B8

Sheet size : B

Rev code

Date : Sunday, March 28, 2021

Sheet : 21 of 21

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