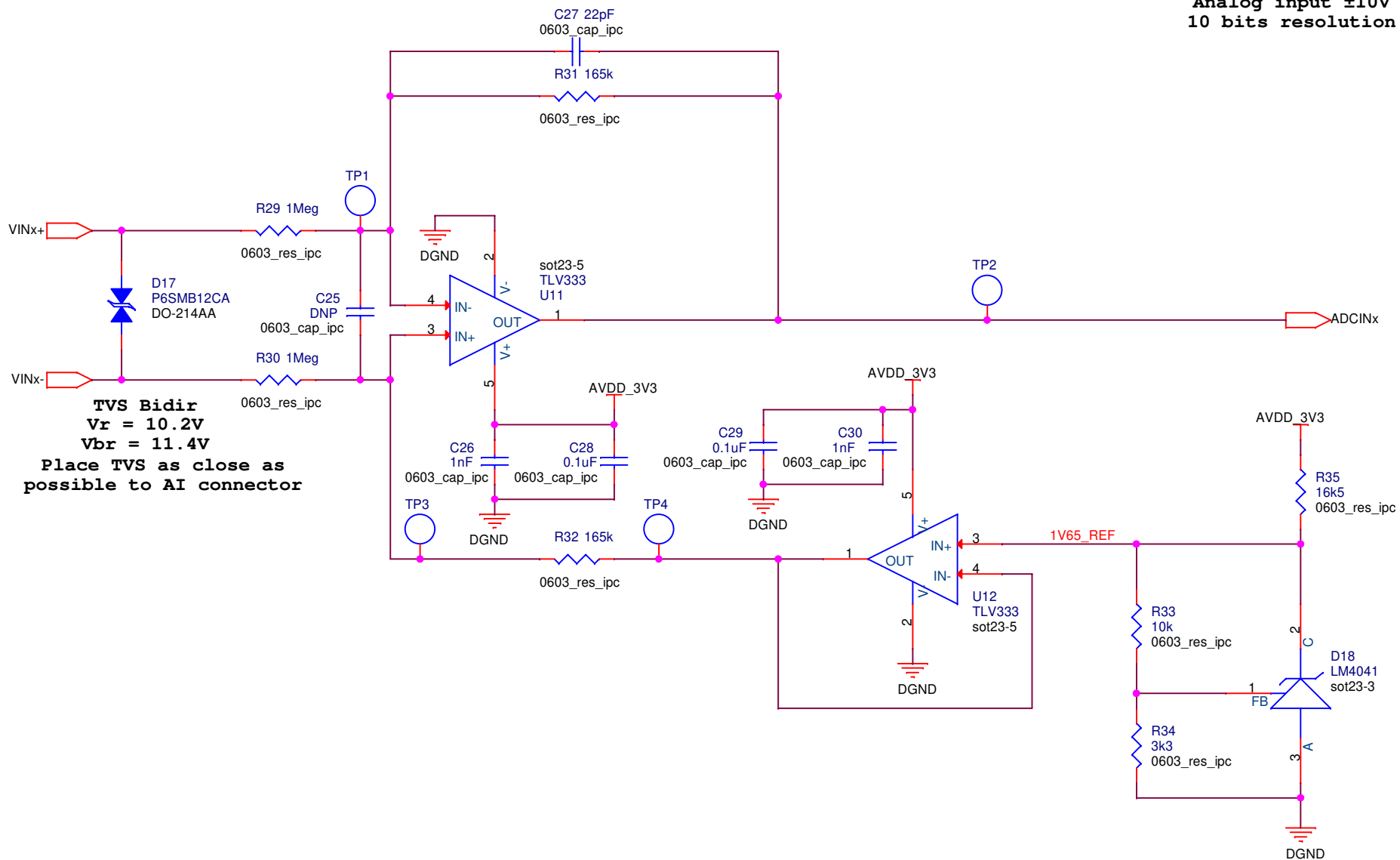


Analog input $\pm 10V$
10 bits resolution

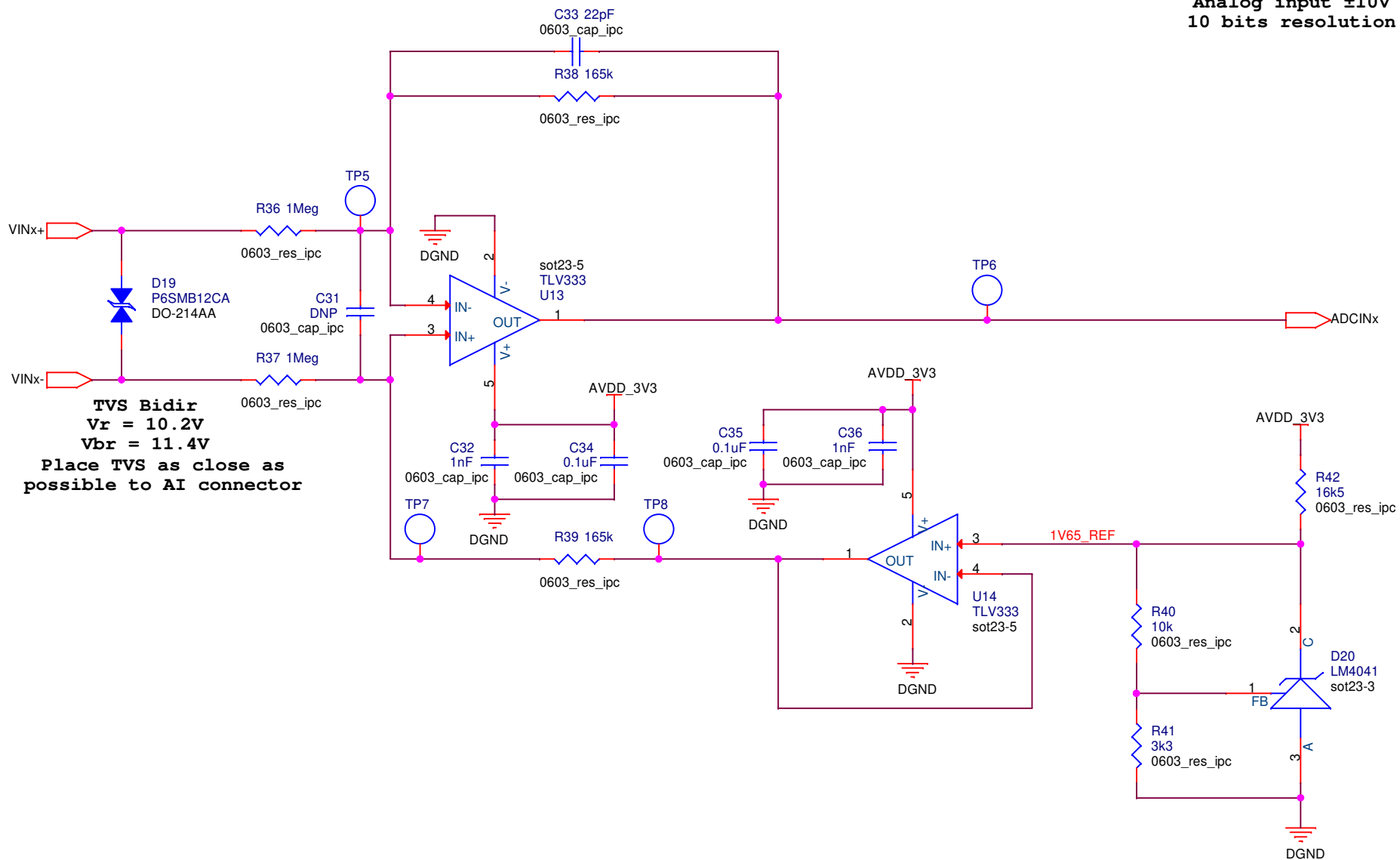


TVS Bidir
Vr = 10.2V
Vbr = 11.4V
Place TVS as close as possible to AI connector

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		
Title Analog input $\pm 10V$		
Size A	Document Number <Doc>	Rev 0A
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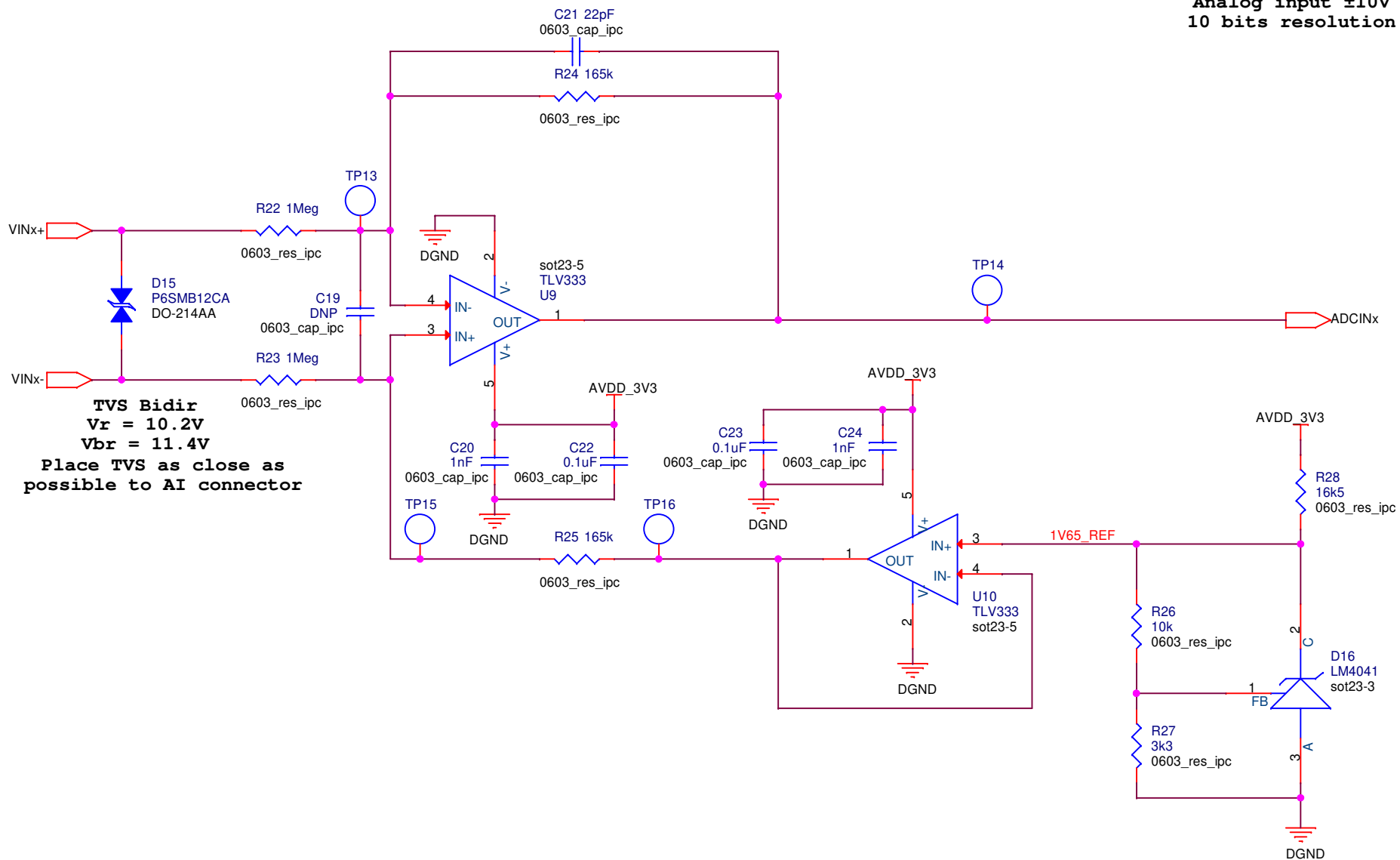
Analog input $\pm 10V$
10 bits resolution



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		
Title Analog input $\pm 10V$		
Size A	Document Number <Doc>	Rev 0A
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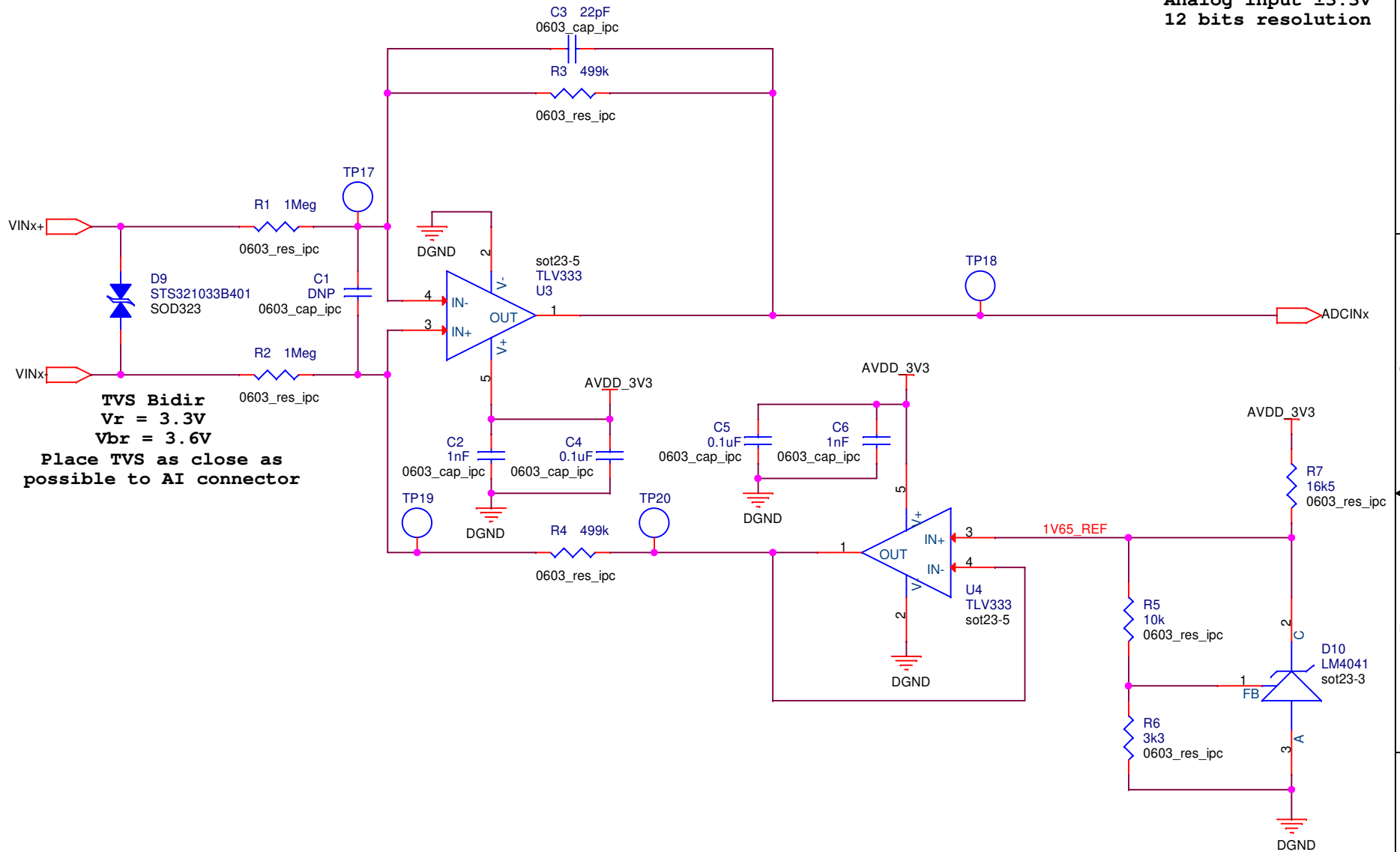
Analog input $\pm 10V$
10 bits resolution



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		
Title Analog input $\pm 10V$		
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Analog input $\pm 3.3V$
12 bits resolution

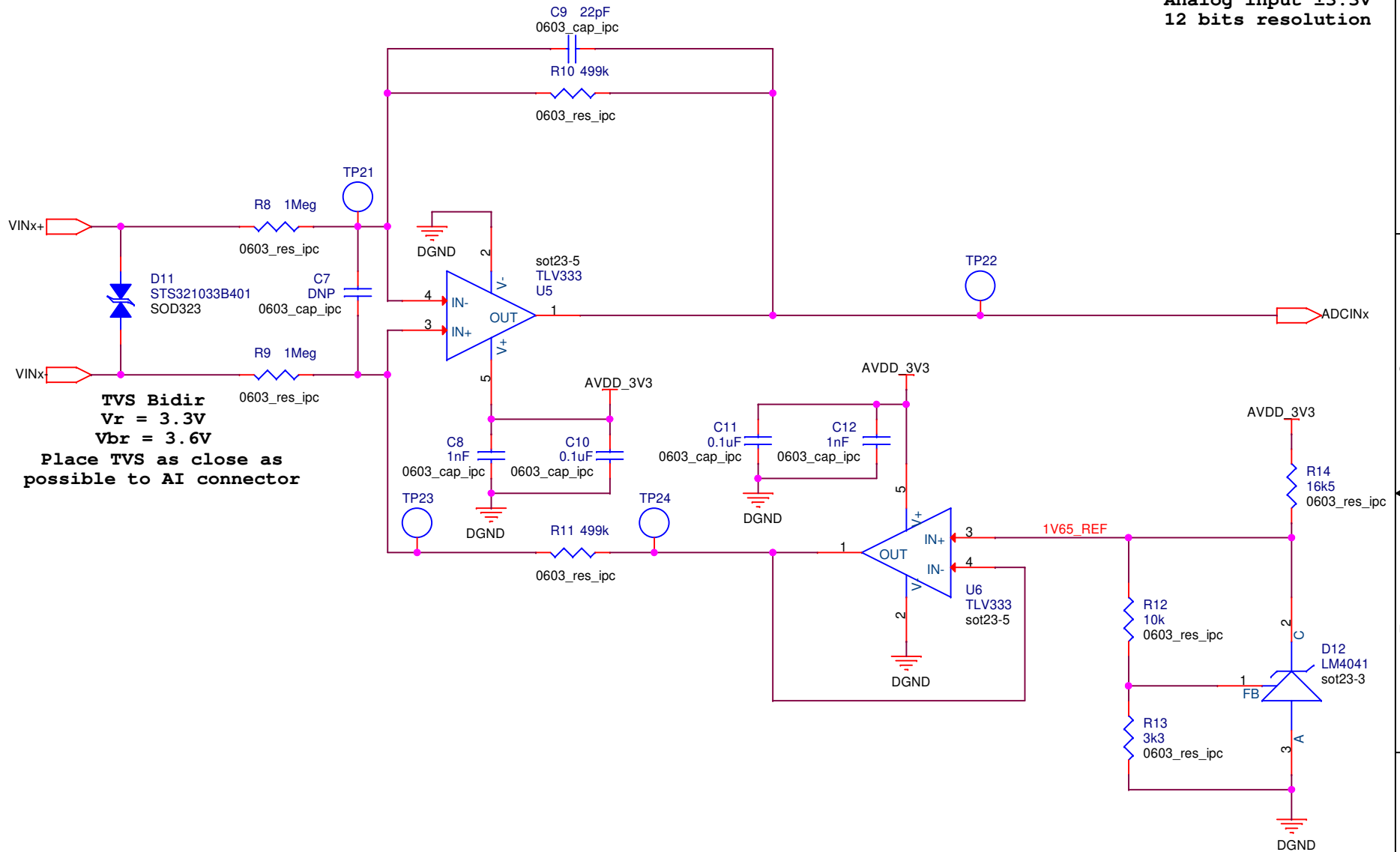


TVS Bidir
Vr = 3.3V
Vbr = 3.6V
Place TVS as close as possible to AI connector

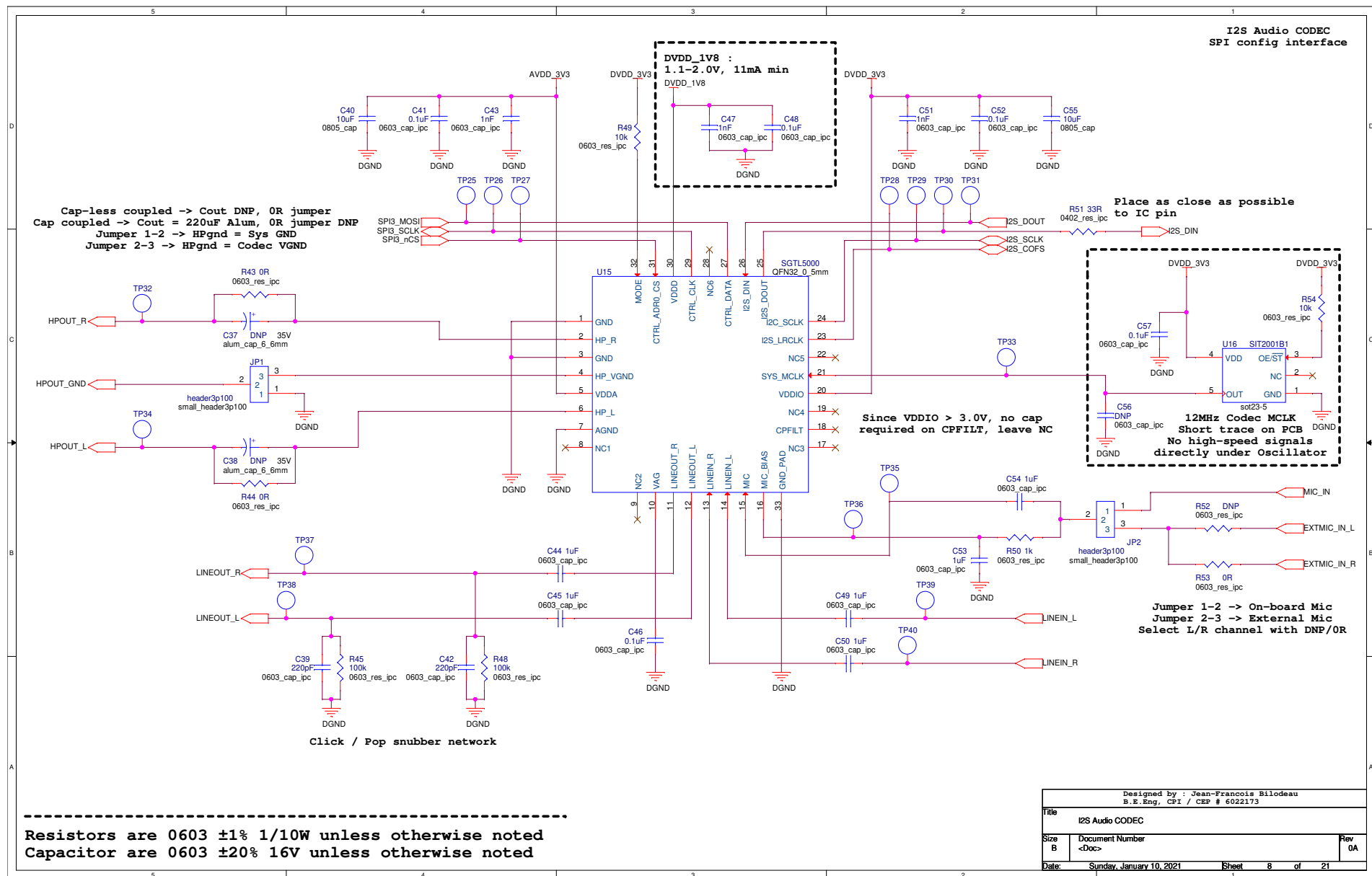
Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title Analog input $\pm 3V3$		
Size A	Document Number <Doc>	Rev 0A
Date:	Saturday, January 09, 2021	Sheet 6 of 21

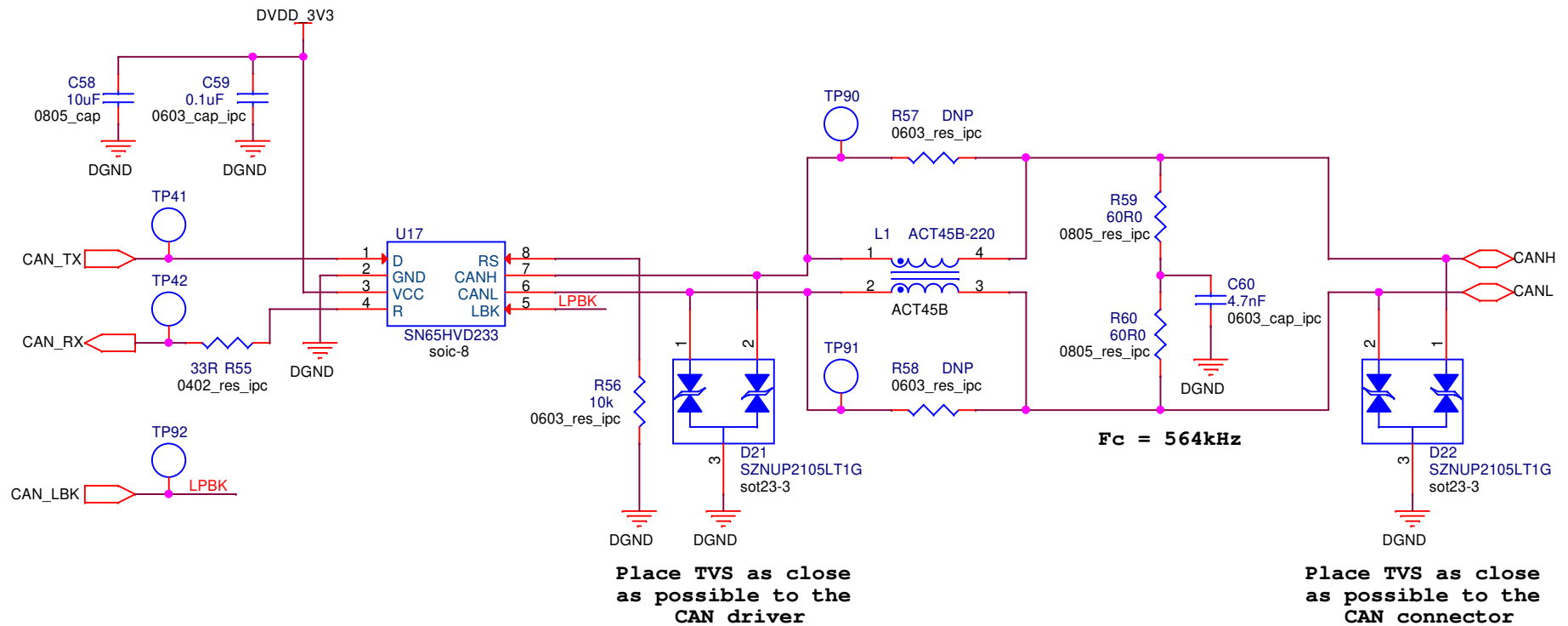
Analog input $\pm 3.3V$
12 bits resolution



Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title Analog input $\pm 3V3$		
Size A	Document Number <Doc>	Rev 0A
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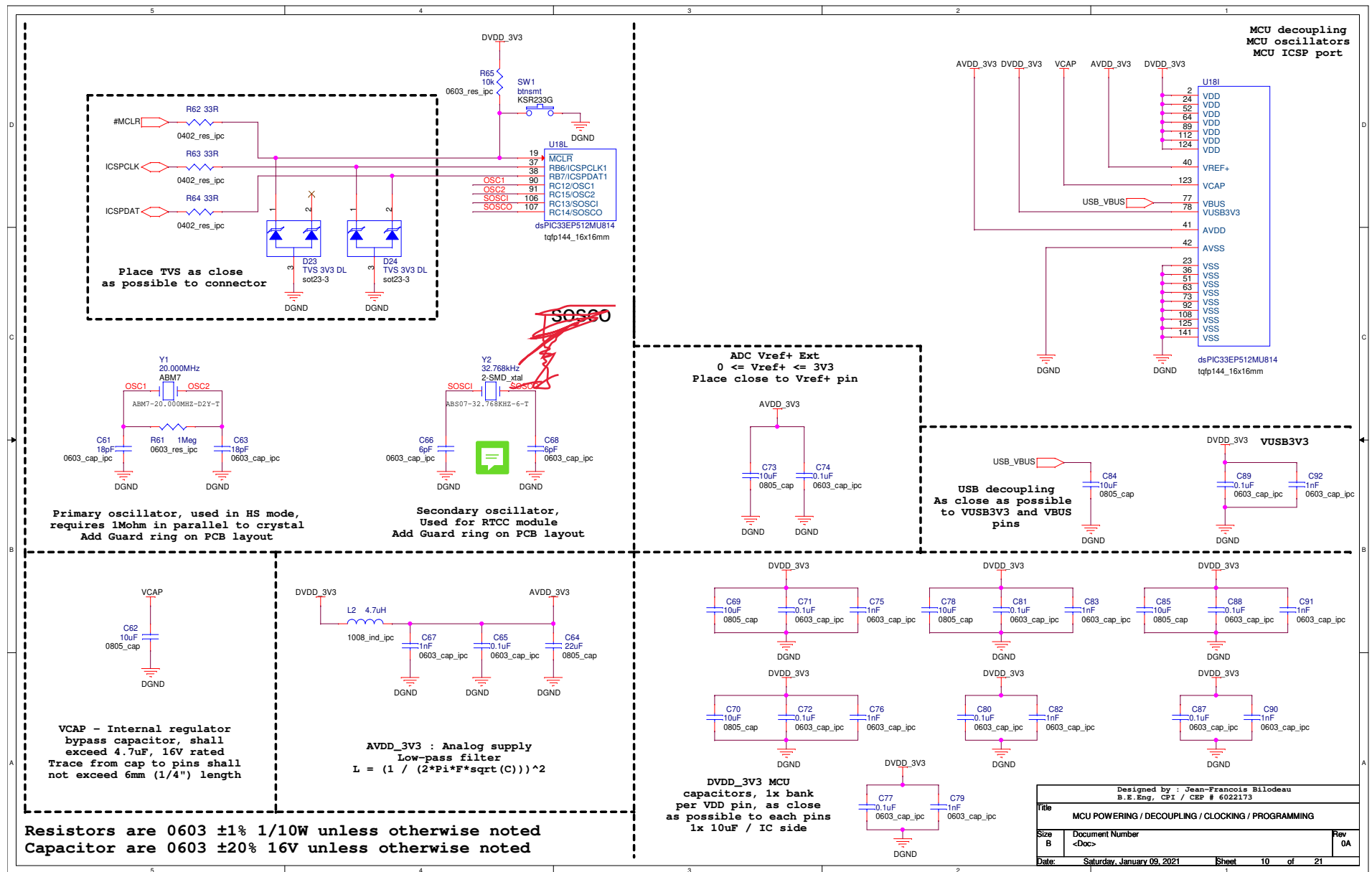


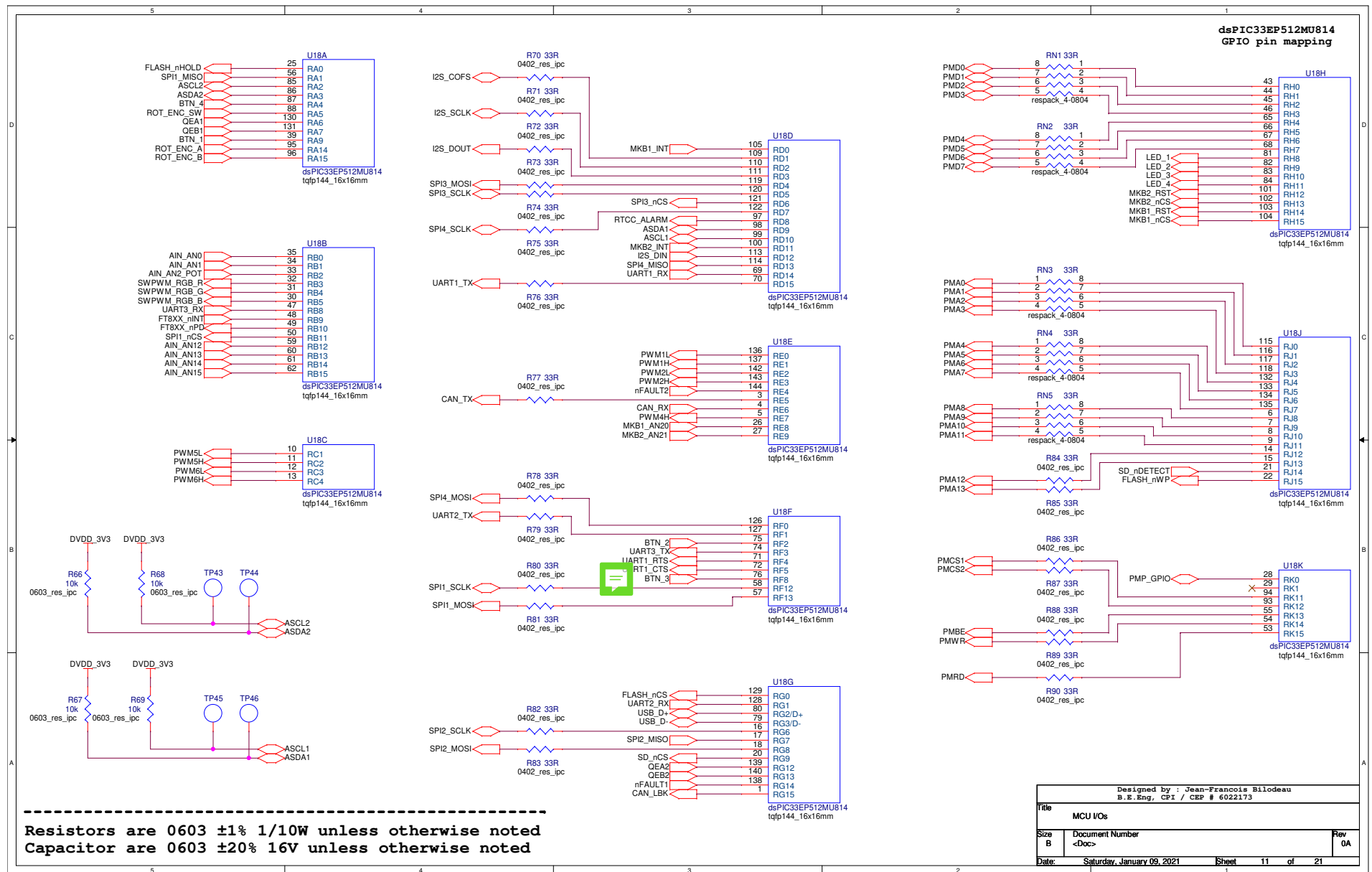
**CAN bus interface
CAN 2.0B support
Max bitrate 550kbps**

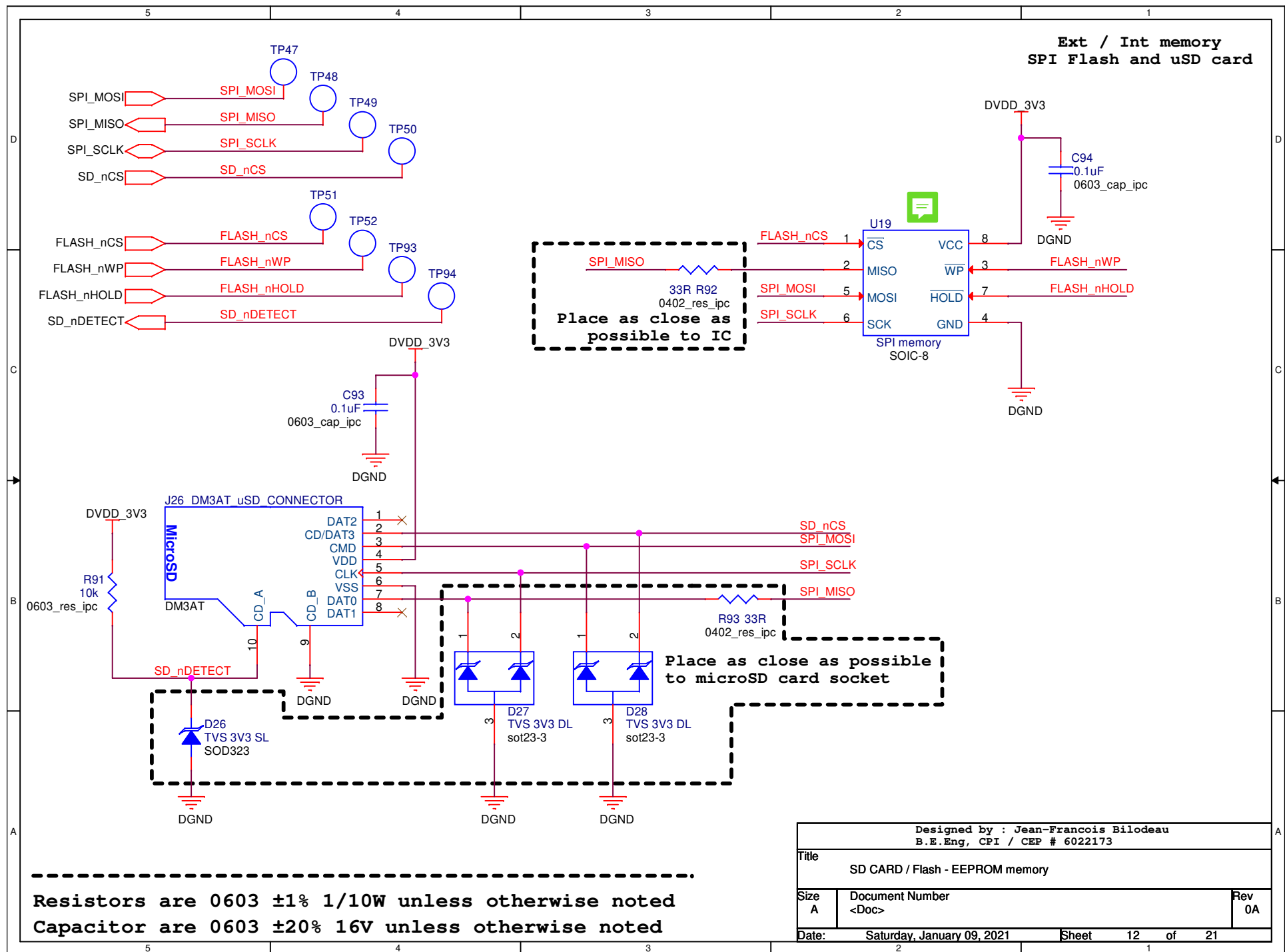


Resistors are 0603 ±1% 1/10W unless otherwise noted
Capacitor are 0603 ±20% 16V unless otherwise noted

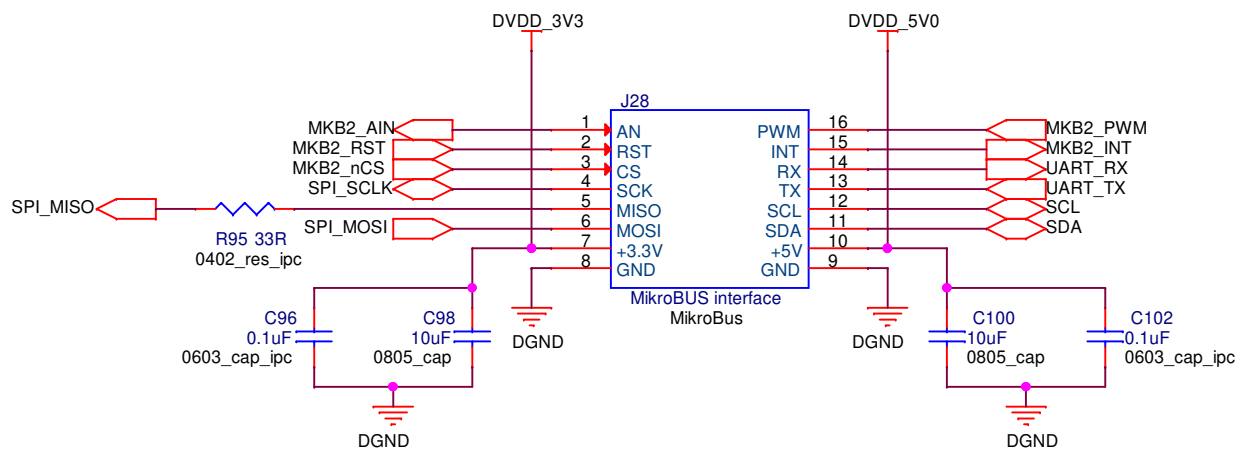
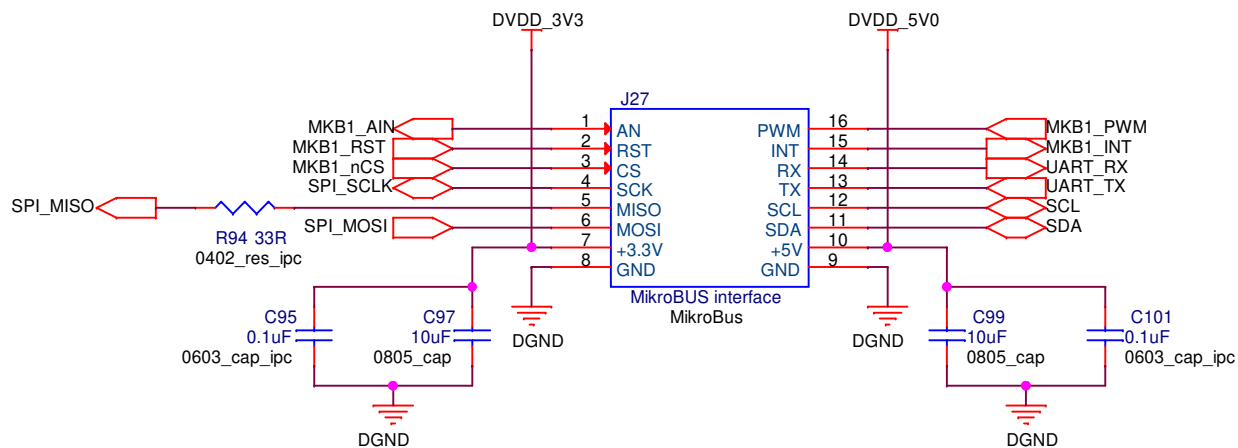
Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title CAN bus interface		
Size A	Document Number <Doc>	Rev 0A
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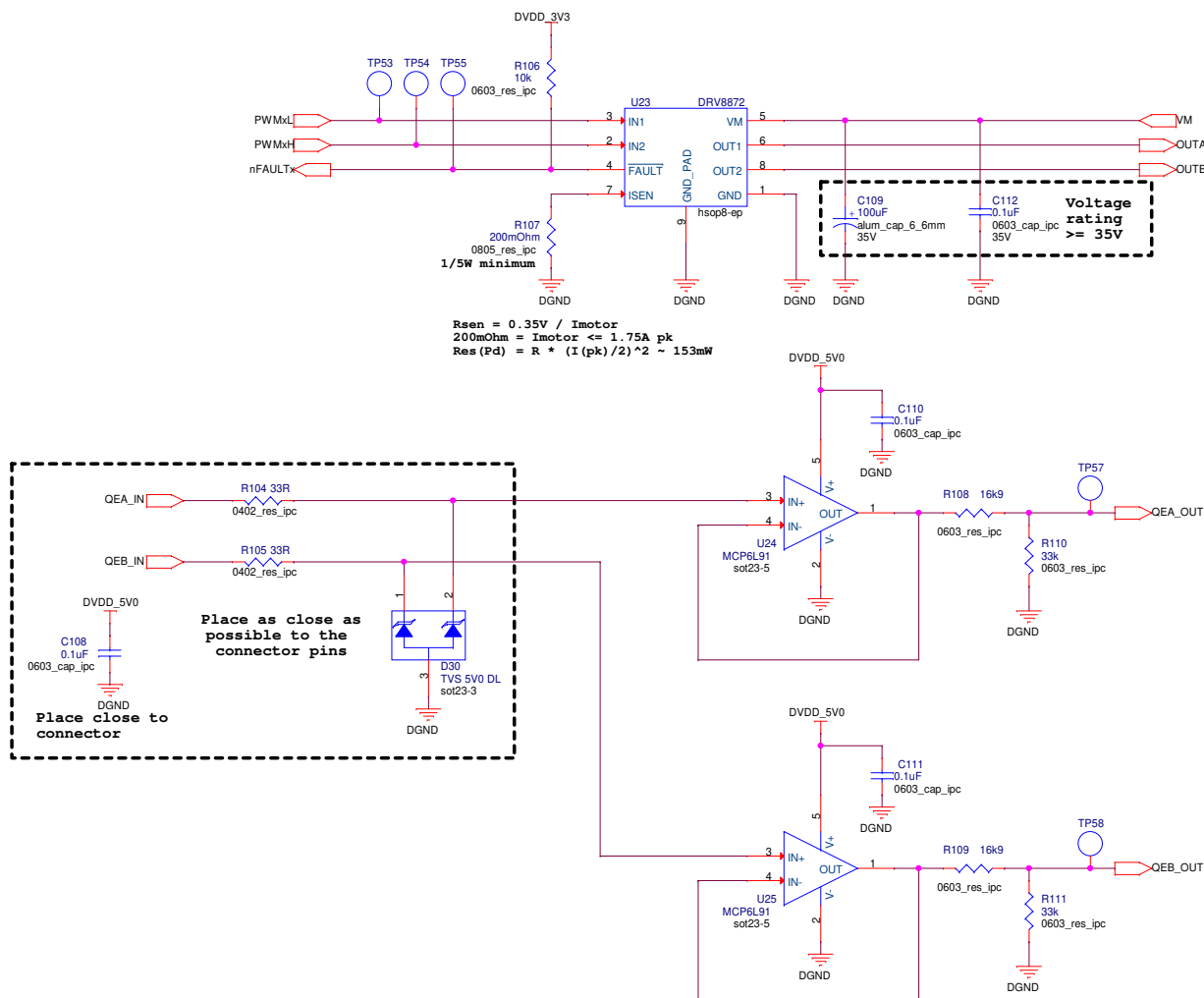


MikroBus port
Click Board compatible
General purpose I/Os



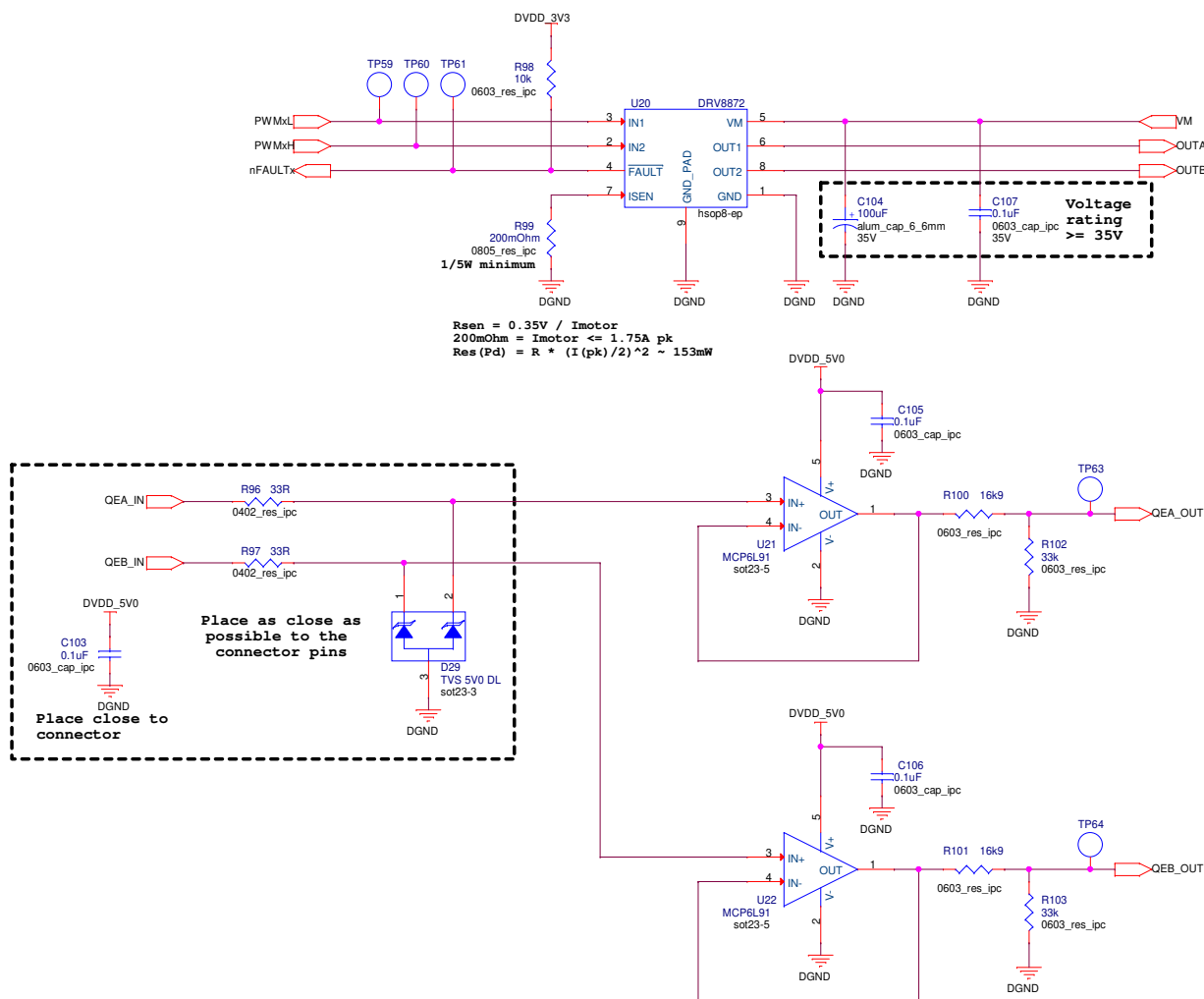
Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title MikroBUS interface		
Size A	Document Number <Doc>	Rev 0A
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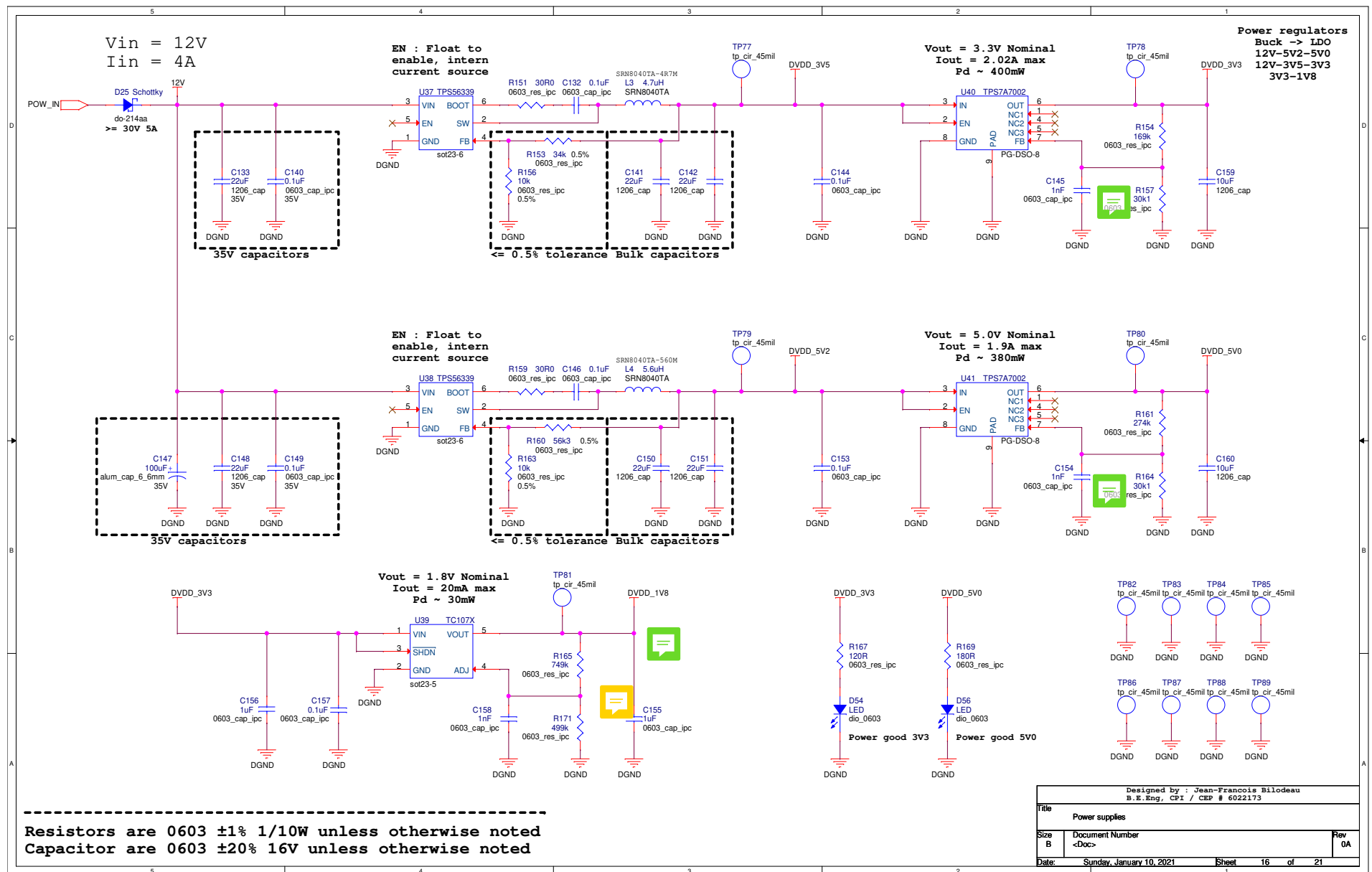
Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title H-Bridge motor driver with encoder feedback		
Size B	Document Number <Doc>	Rev 0A
Date:	Saturday, January 09, 2021	Sheet 14 of 21

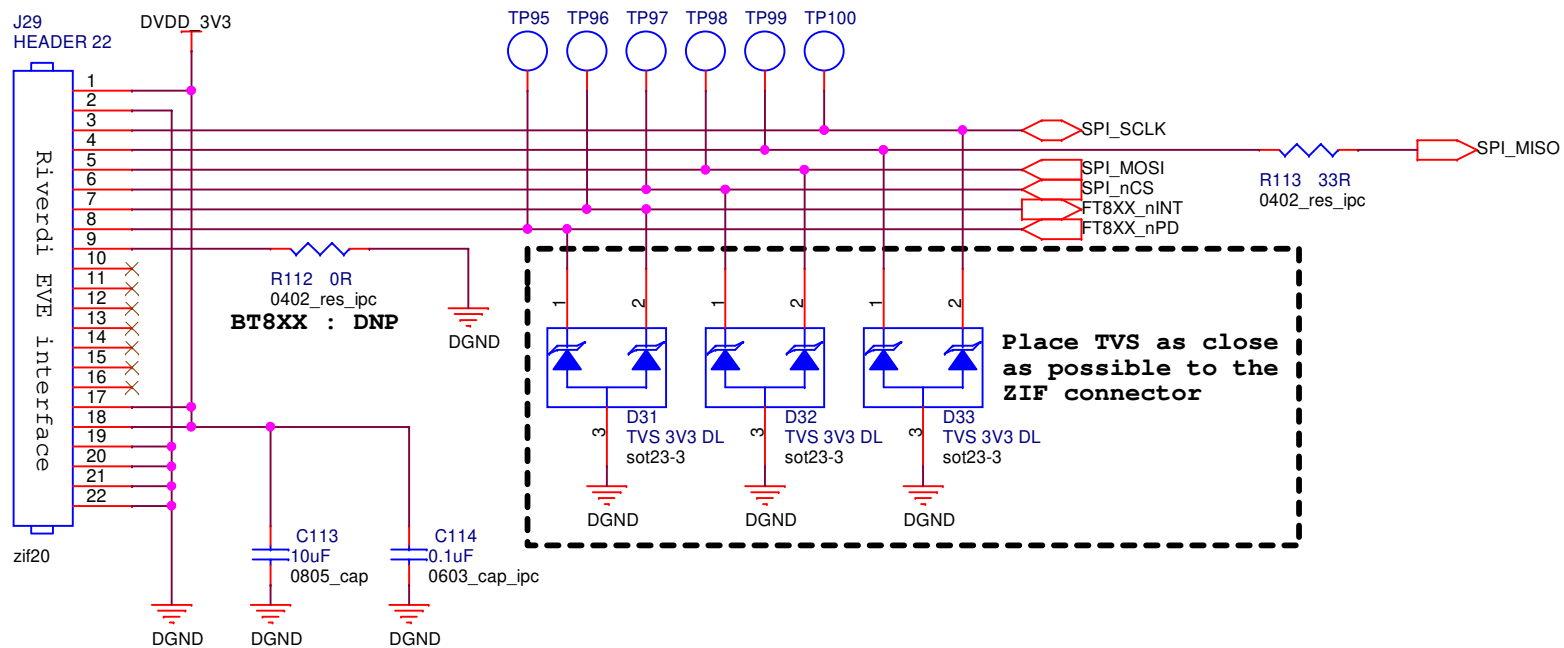


Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title H-Bridge motor driver with encoder feedback		
Size B	Document Number <Doc>	Rev 0A
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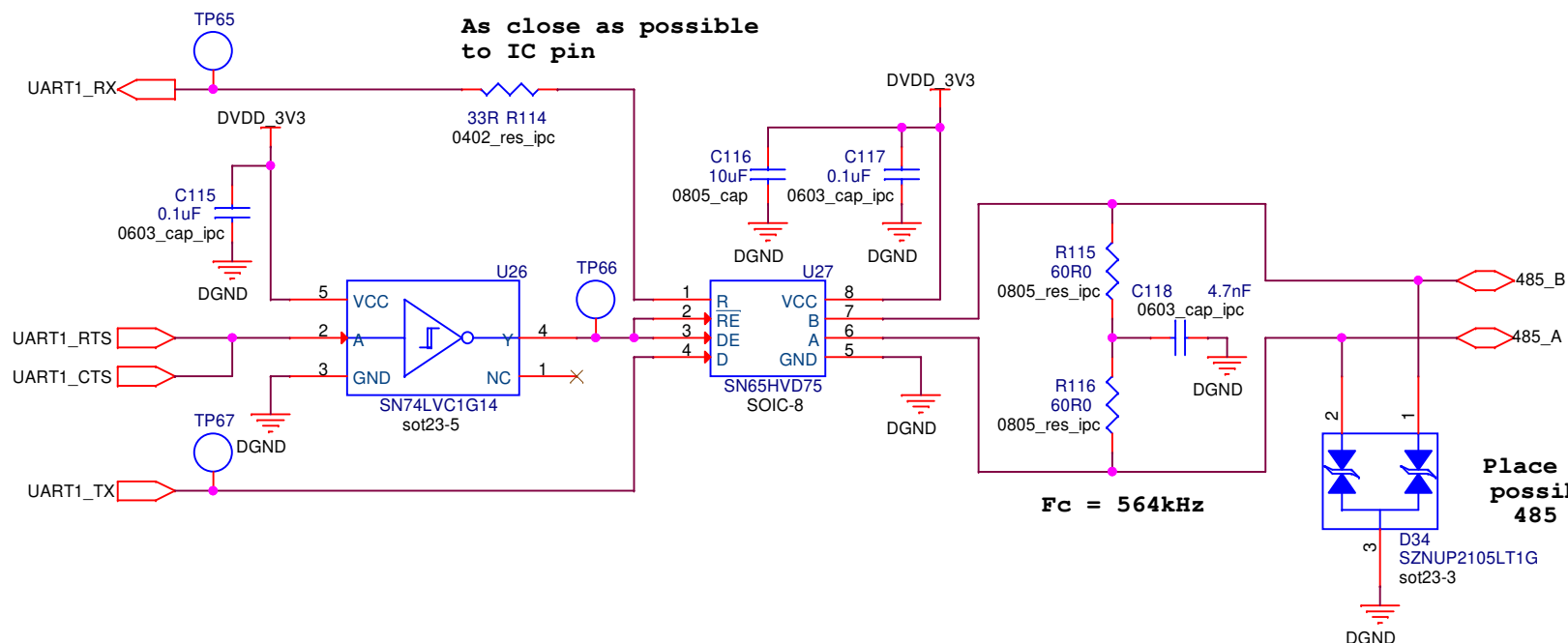
Riverdi EVE TFT
Interface with FT/BT8xx



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

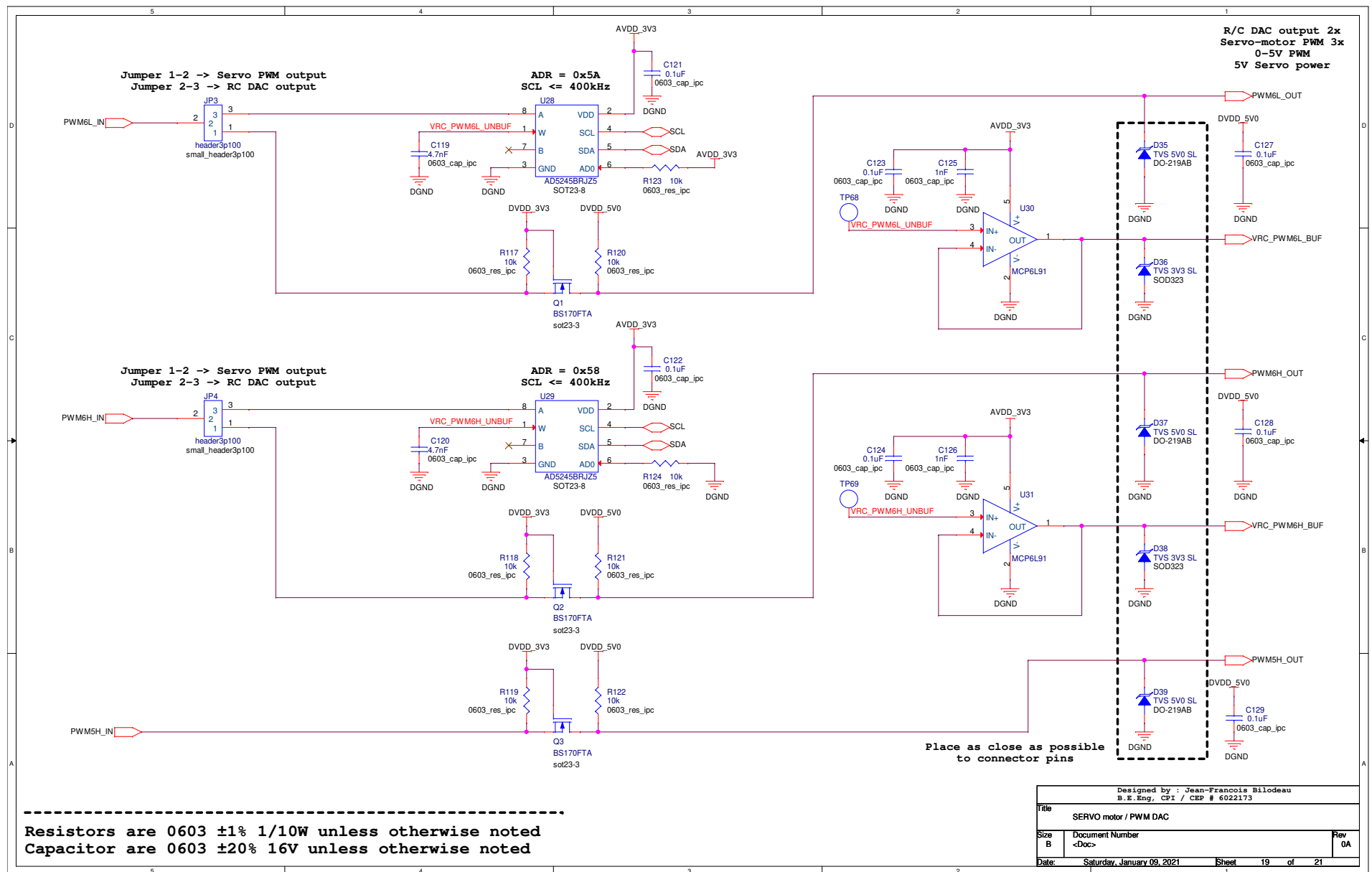
Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title Riverdi EVE LCD interface		
Size A	Document Number <Doc>	Rev 0A
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RS485 bus interface
Max bitrate 550kbps

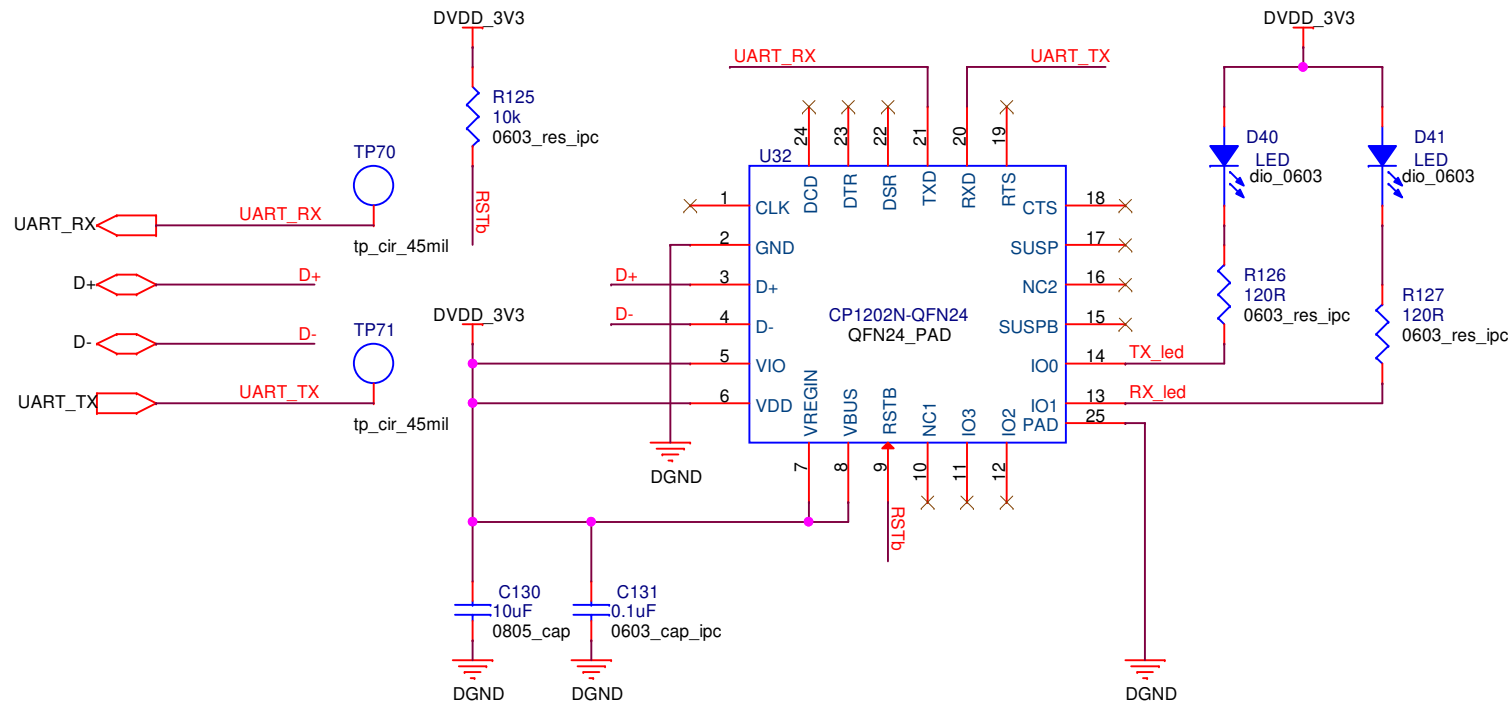


Resistors are 0603 $\pm 1\%$ 1/10W unless otherwise noted
Capacitor are 0603 $\pm 20\%$ 16V unless otherwise noted

Designed by : Jean-Francois Bilodeau B.E.Eng, CPI / CEP # 6022173		
Title RS485 bus interface		
Size A	Document Number <Doc>	Rev 0A
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USB-UART Converter SW debug interface



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		
Title USB-UART debug interface		
Size A	Document Number <Doc>	Rev 0A
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