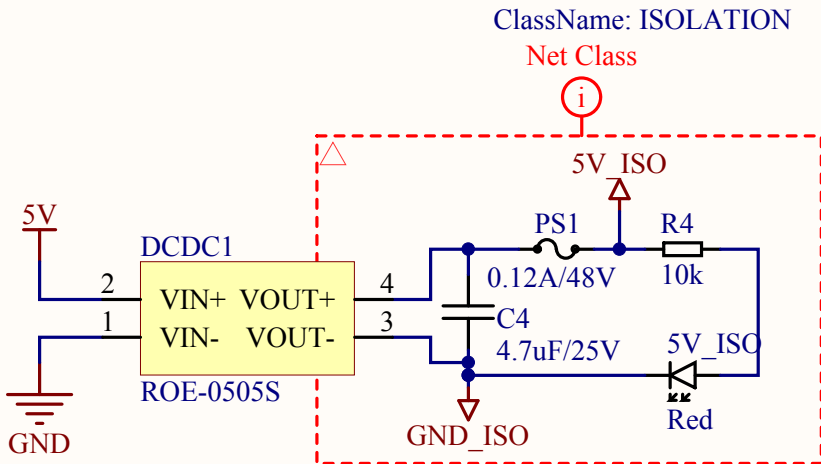
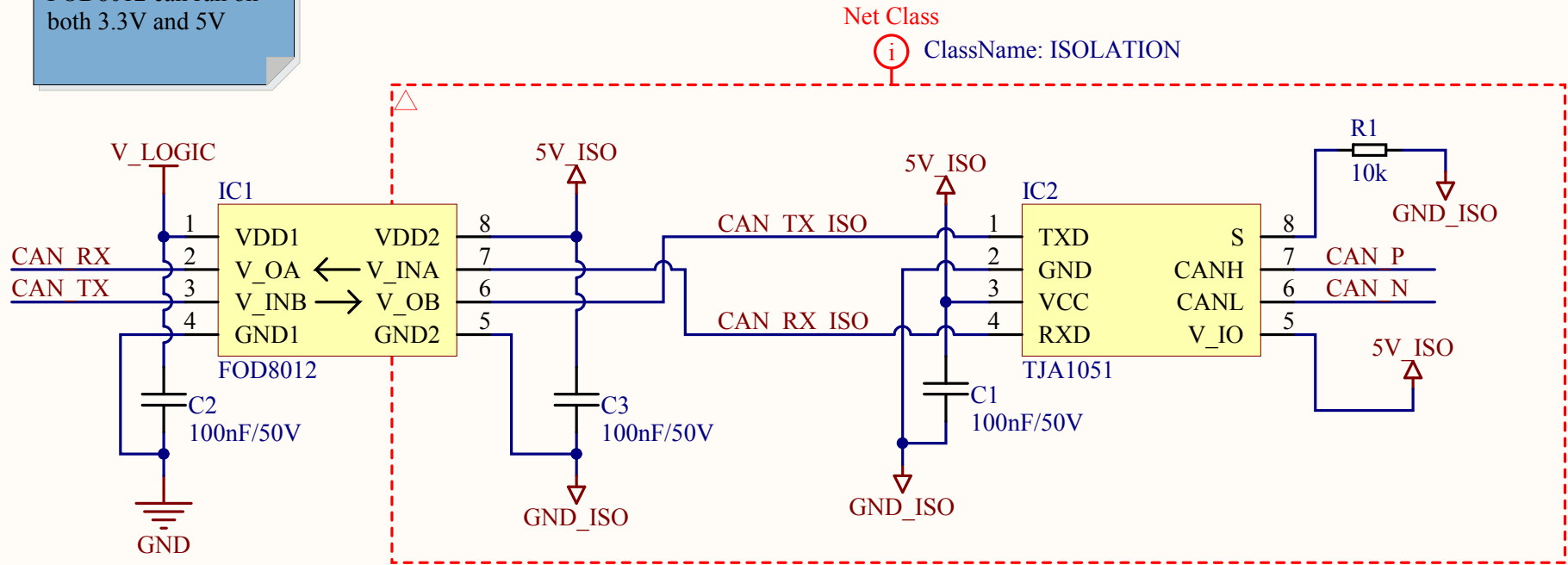


- Notes
- Calculations
- Important Note
- Software Note
- Mounting Note

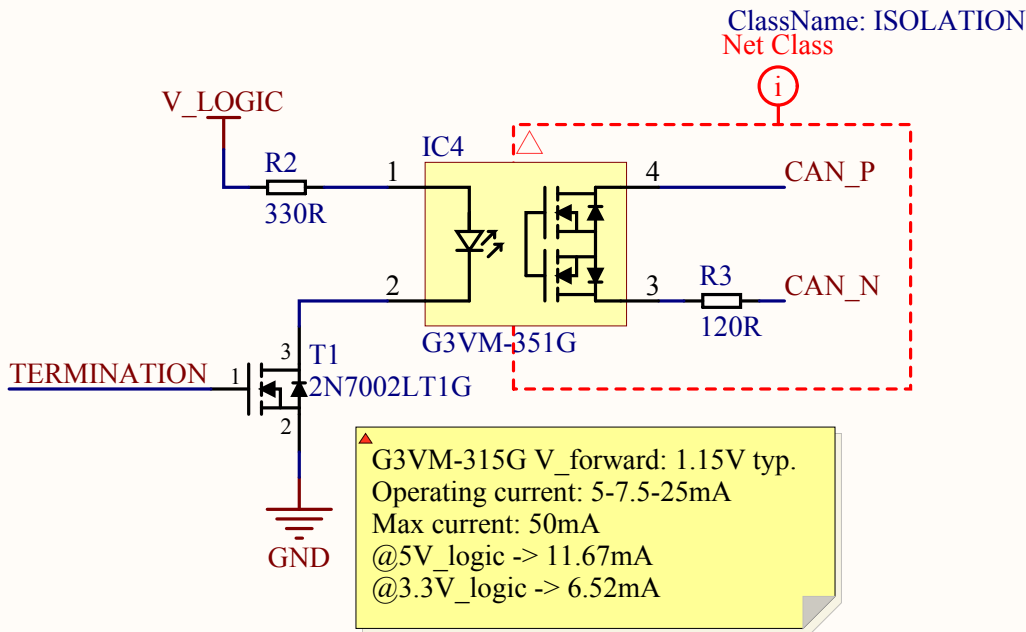
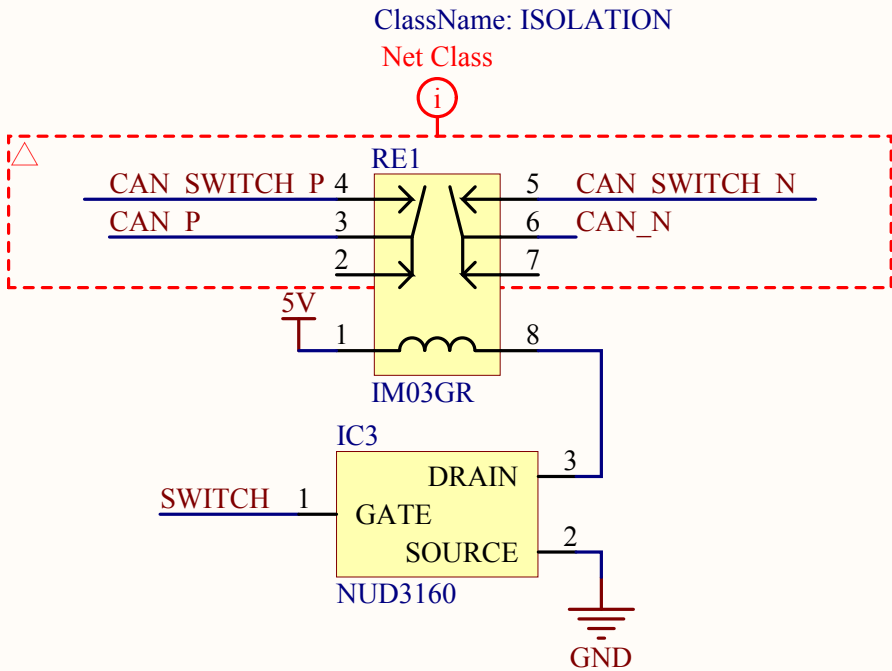
CAN

FOD8012 can run on both 3.3V and 5V



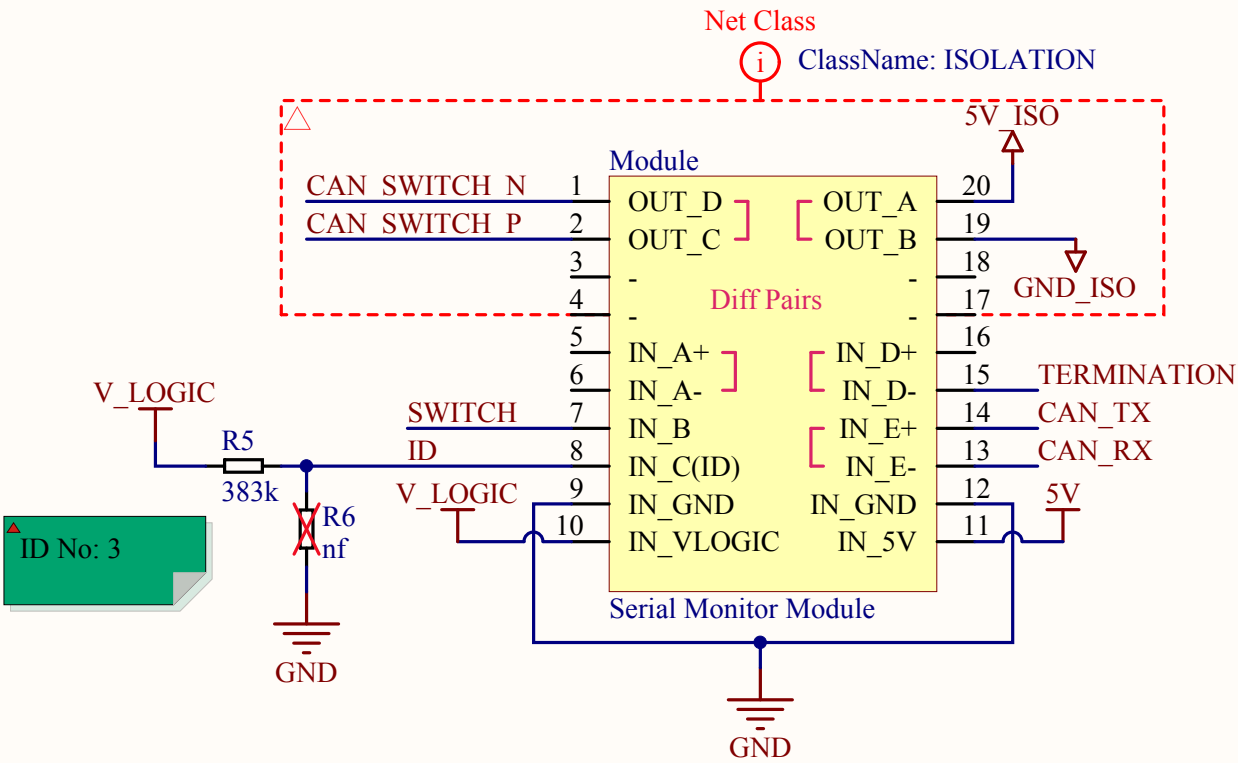
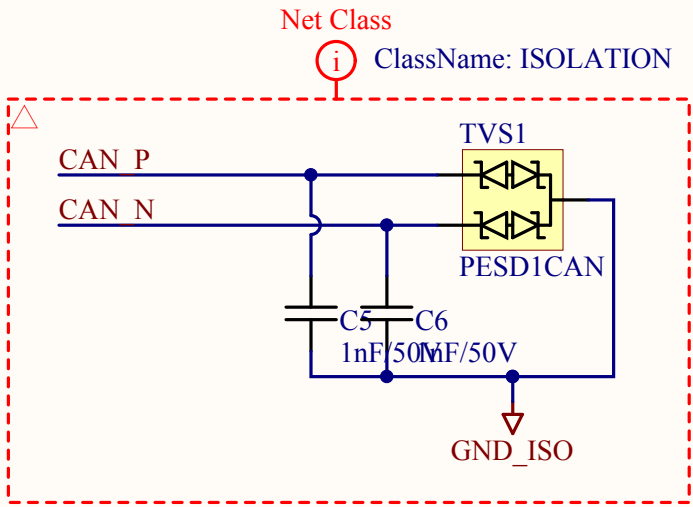
Current Usage 5V_ISO:
FOD8012: 8 mA max
TJA1051: 70mA
= 78 mA max

ROE-0505S 200mA out max
-> 200-78 = 122 mA left



G3VM-315G V_forward: 1.15V typ.
Operating current: 5-7.5-25mA
Max current: 50mA
@5V_logic -> 11.67mA
@3.3V_logic -> 6.52mA

The capacitors at the connector are used for ESD protection. Together with the resistance in the cable (1 to 2 ohm) they create a RC low pass filter with cut-off frequency of 15979.5 MHz which should work fine for this situation.



Title: Power		
Size: A3	Number: 1	Revision: Rev 1
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File: Serial Monitor CAN Module Schematic.SchDoc		