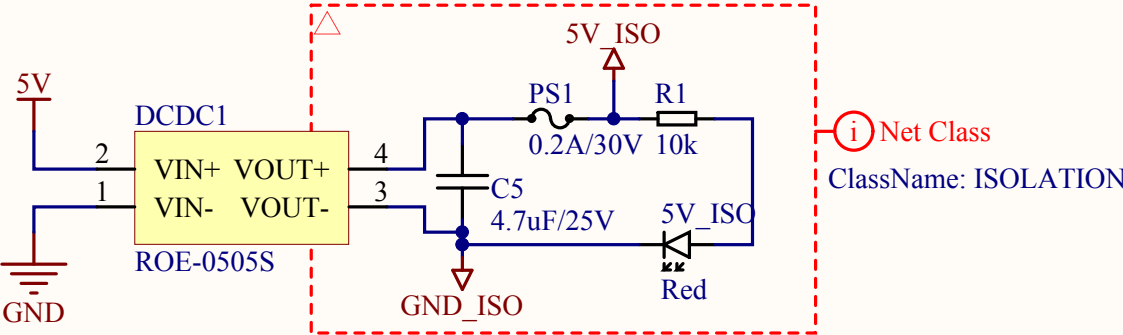
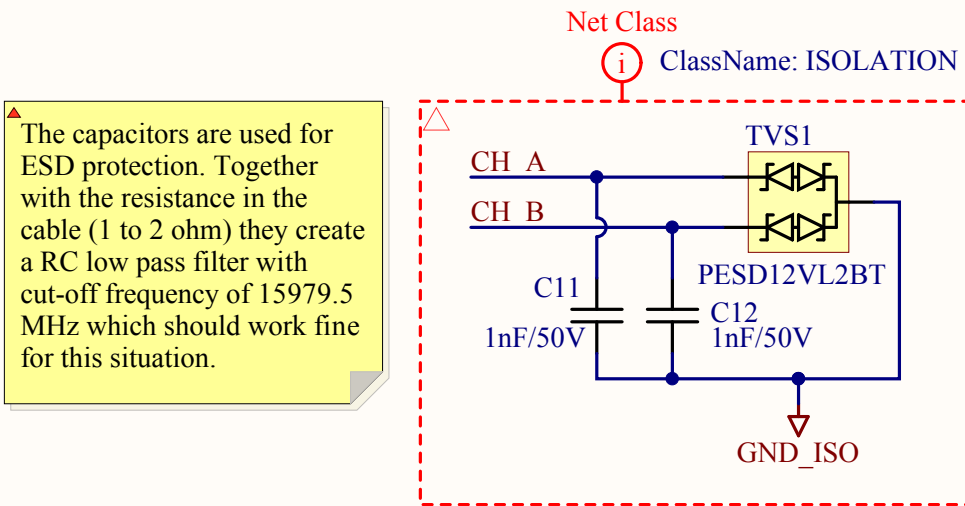
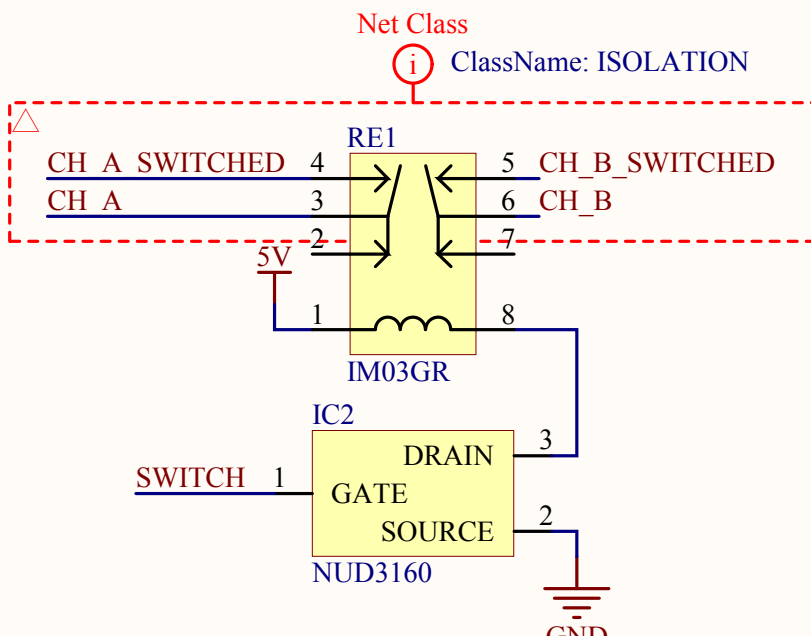
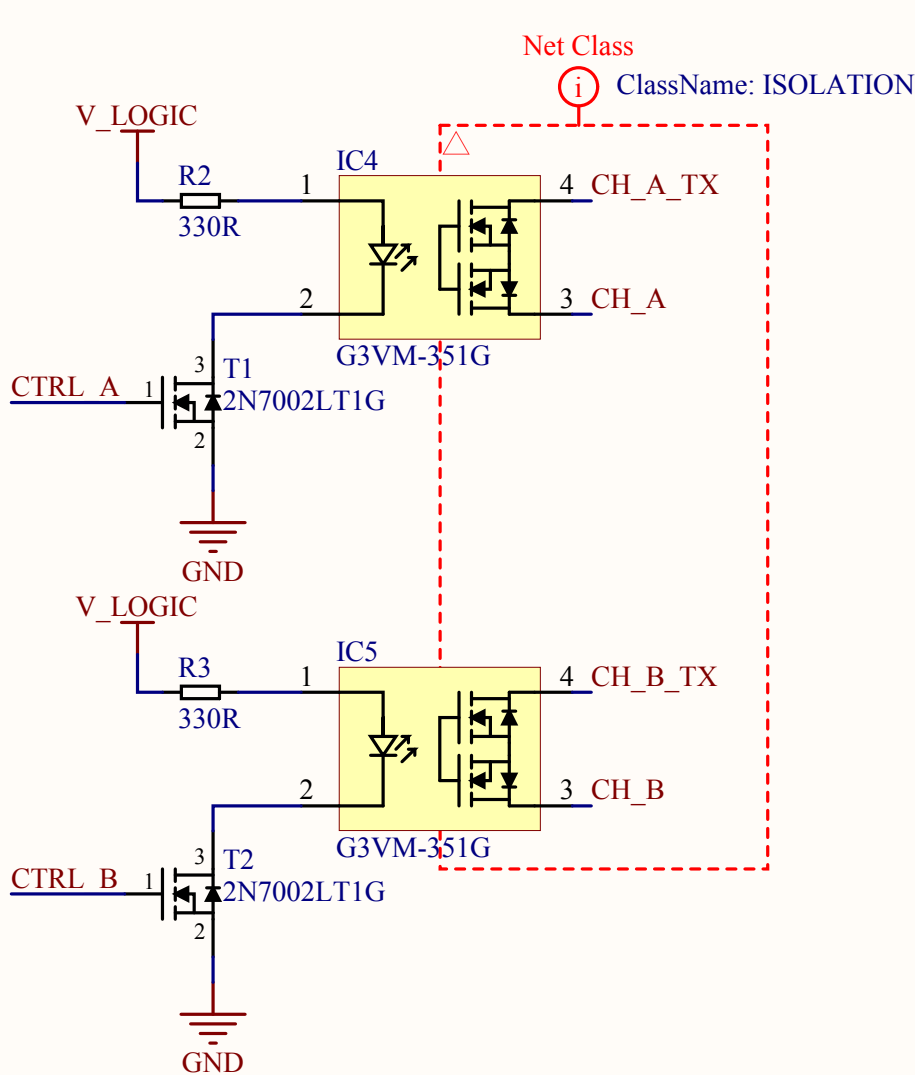
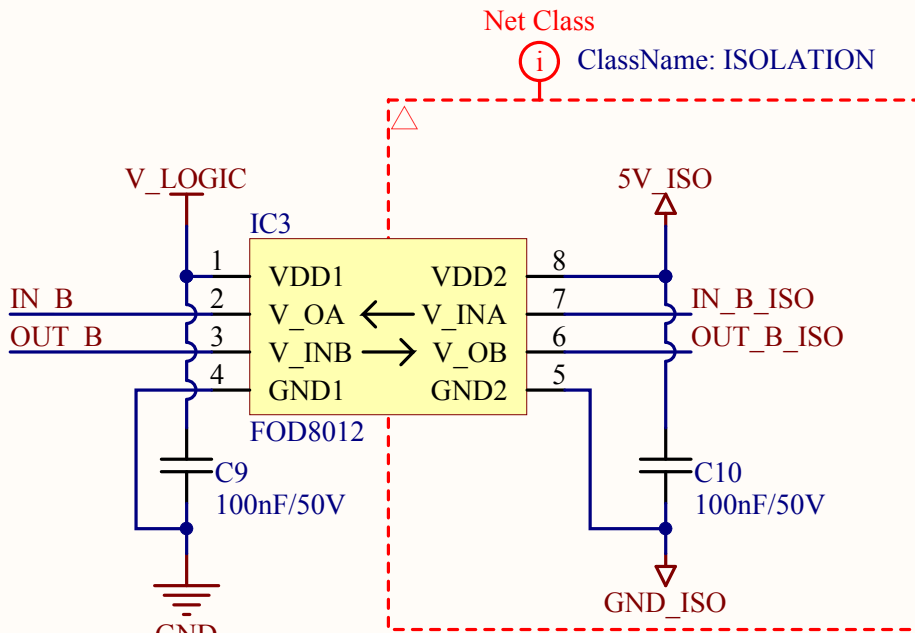
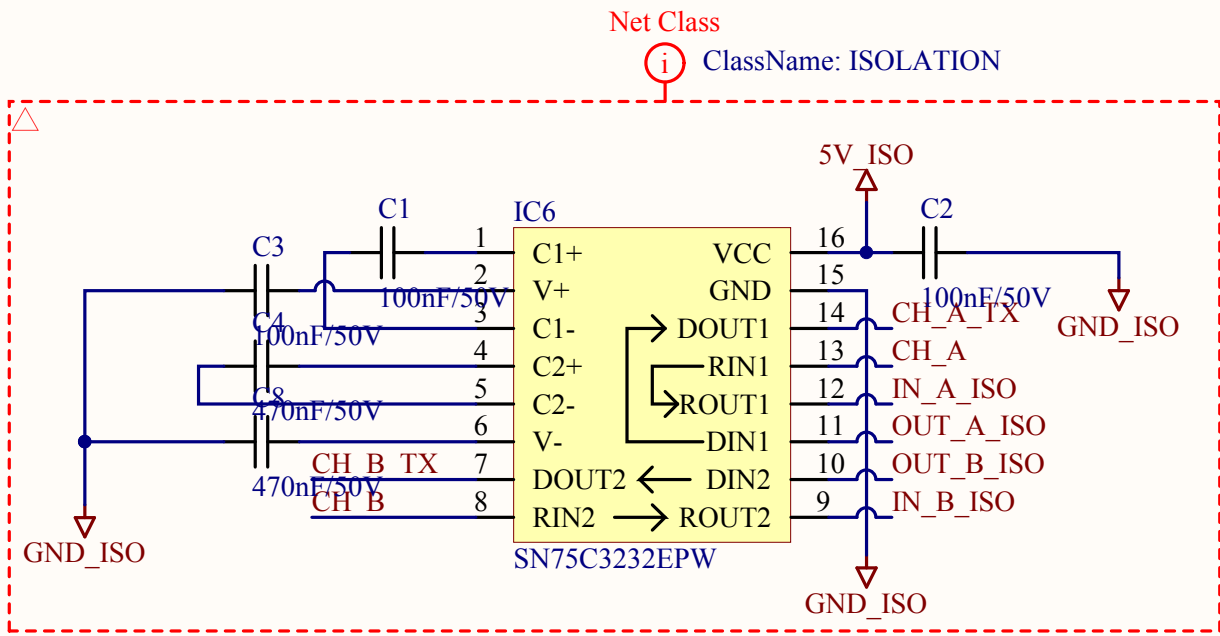
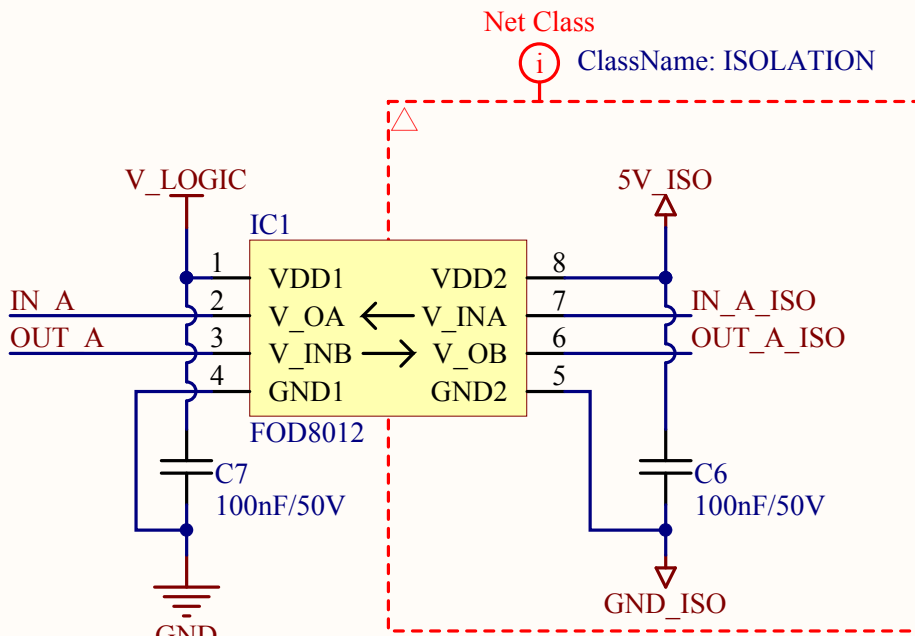


- Notes
- Calculations
- Important Note
- Software Note
- Mounting Note
- To fix

RS-232



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 SSRs above will connect or disconnect the TX drivers from the output. This way we can choose if output A and B should be an output or input. (When set to output it will act as a loopback as the output is then connected to the input of the RS-232 driver IC)

CTRL_A	CTRL_B	Mode
0	0	A in, B In
0	1	A in, B Out
1	0	A out, B in
1	1	A out, B out

Current Usage 5V_ISO:
FOD8012: 2x8 mA max = 16 mA
SN75C3232EPW: 1 mA supply = 17 mA max

ROE-0505S 200mA out max
-> 200-17 = 183 mA left

Add load resistor on 5V_ISO to get better output voltage at standby

