



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

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

| 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 |

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)

