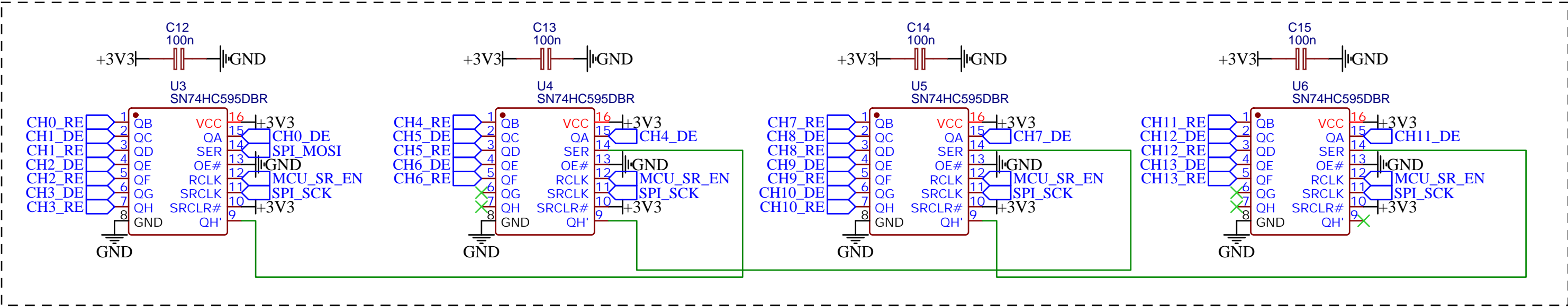


TITLE: MCU STM32G431CBU6		REV: 1.0
	Project: MIDD5	Sheet: 1/8
	Date: 2024-12-15 Drawn By: @dabecart	



Channel Mode selector

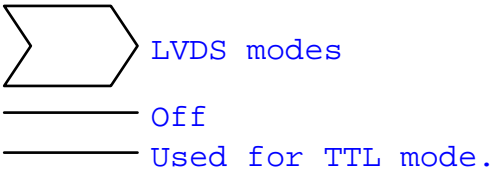
Used to generate the DEx/REx signals from the SPI channel of the MCU.

SP3T Bidirectional Analog Switch

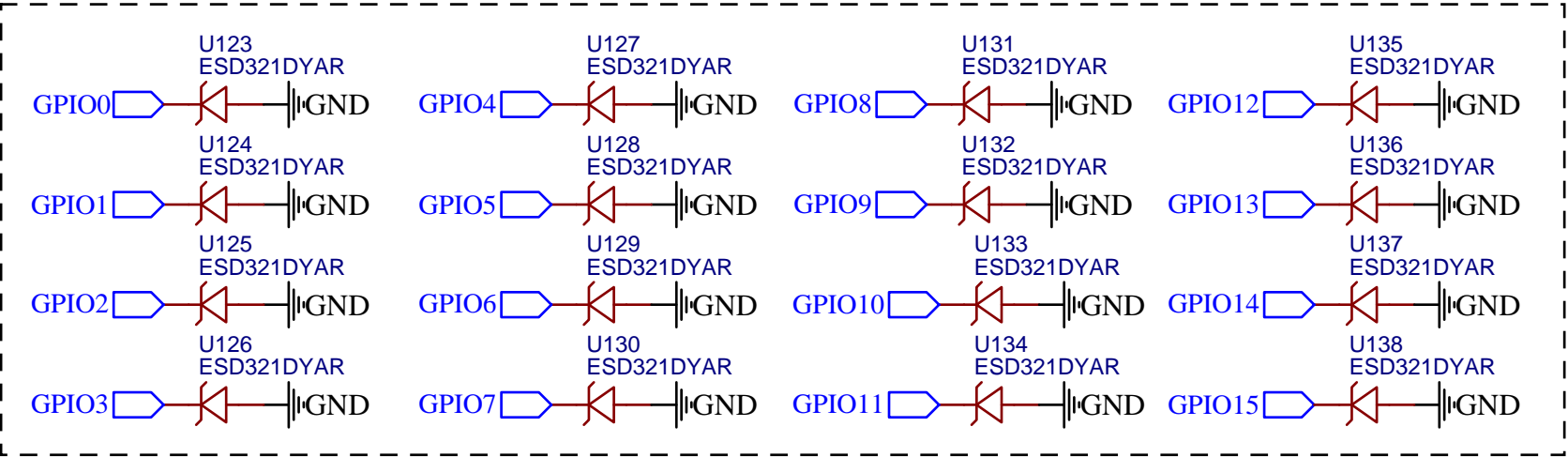
Truth Table of MIDDS Channels		
DE	RE	Mode
0	0	Off
0	1	LVDS Input
1	0	LVDS Output
1	1	TTL Input/Output

TS5A3359DCUR Truth Table

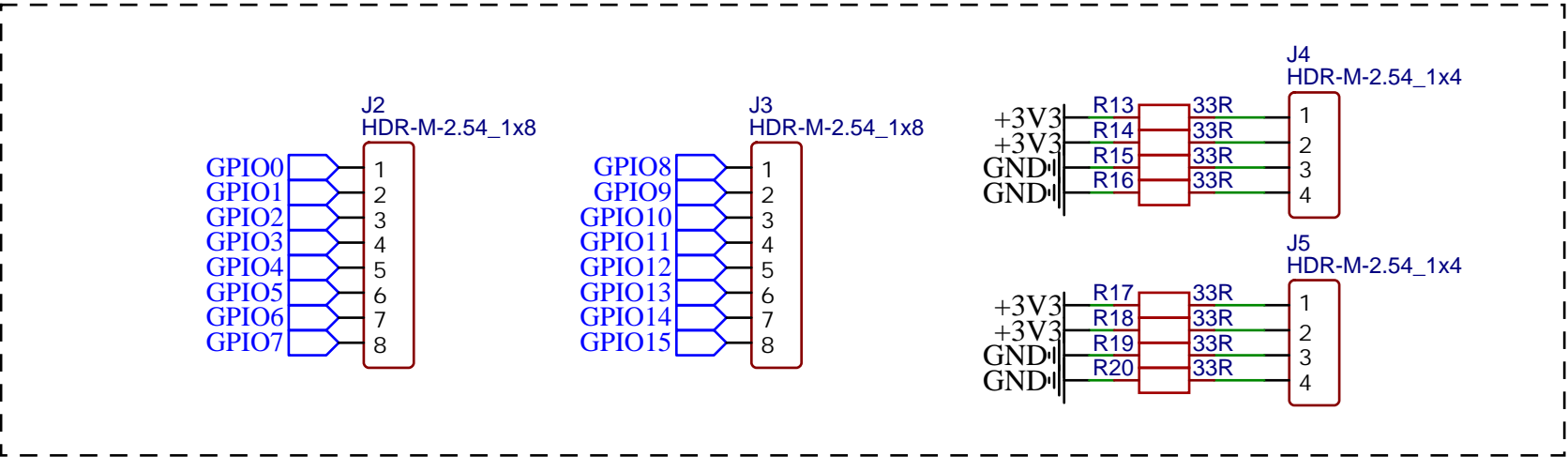
LVDS driver and receiver



DS90LV019TMTCTX Truth Table

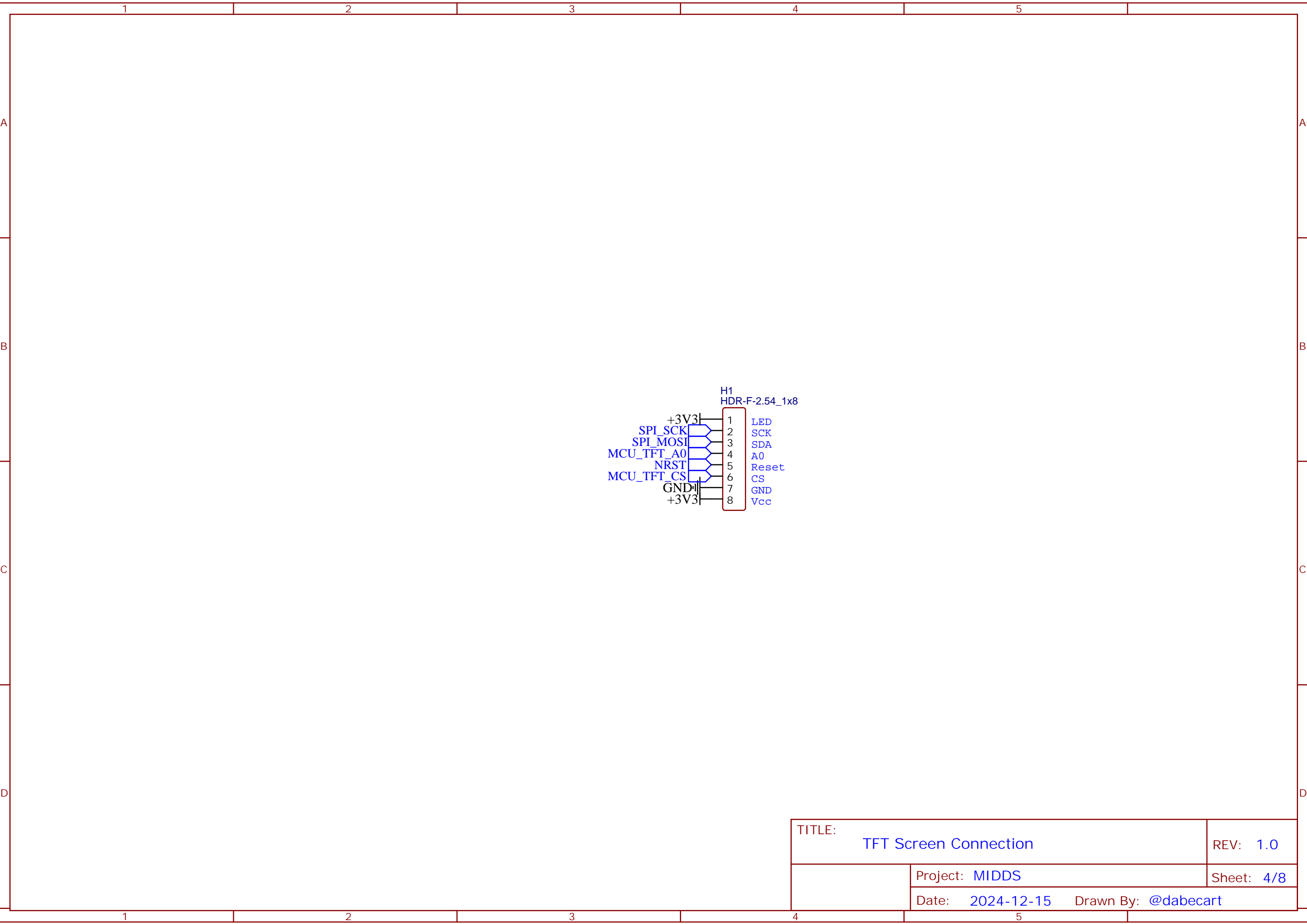


GPIO Protection TVS

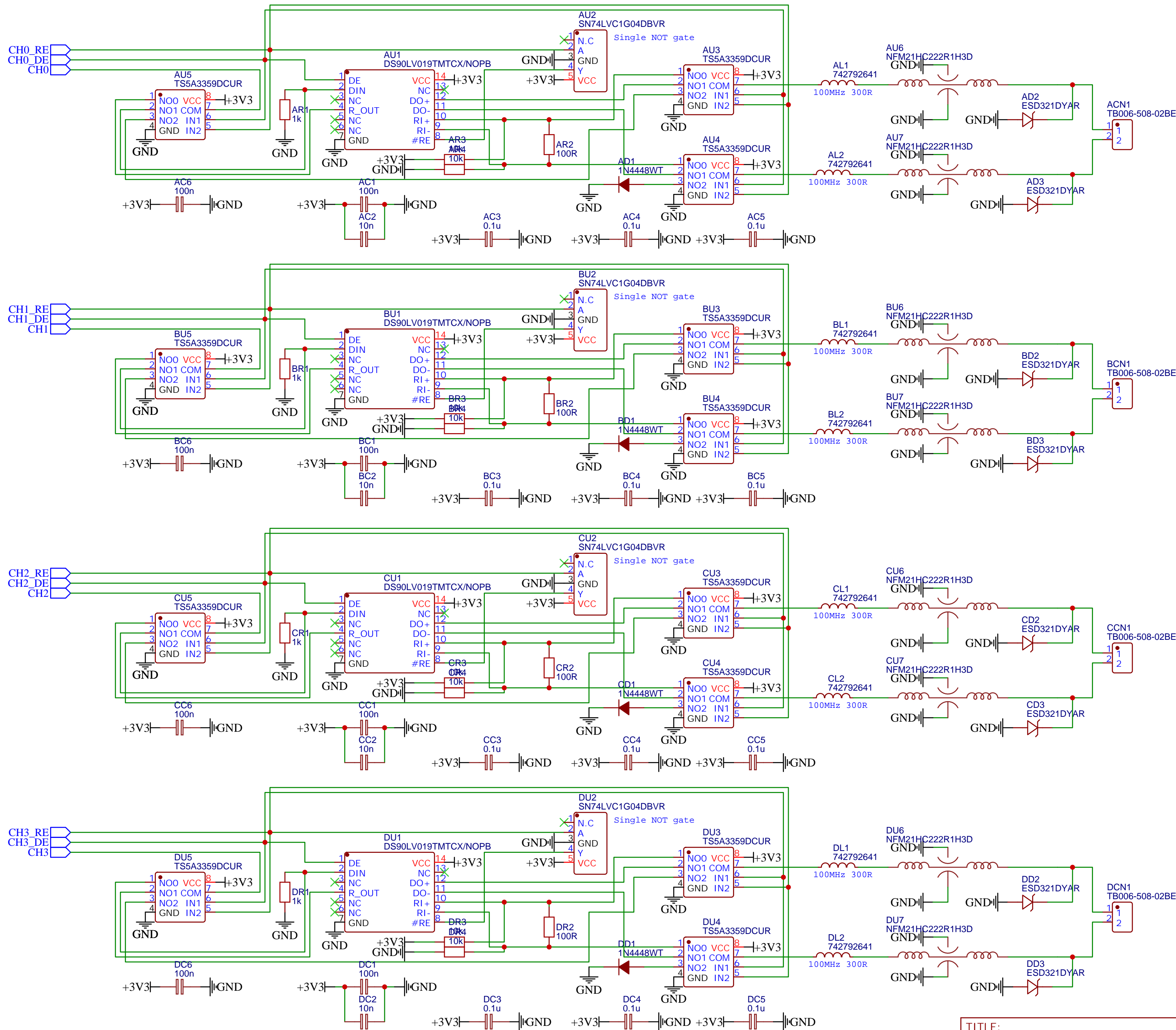


GPIO Headers Connectors

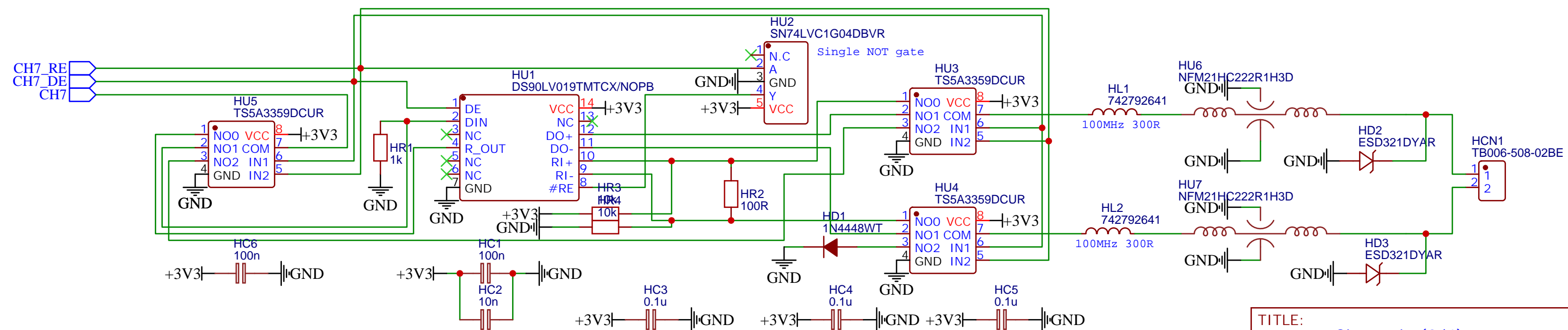
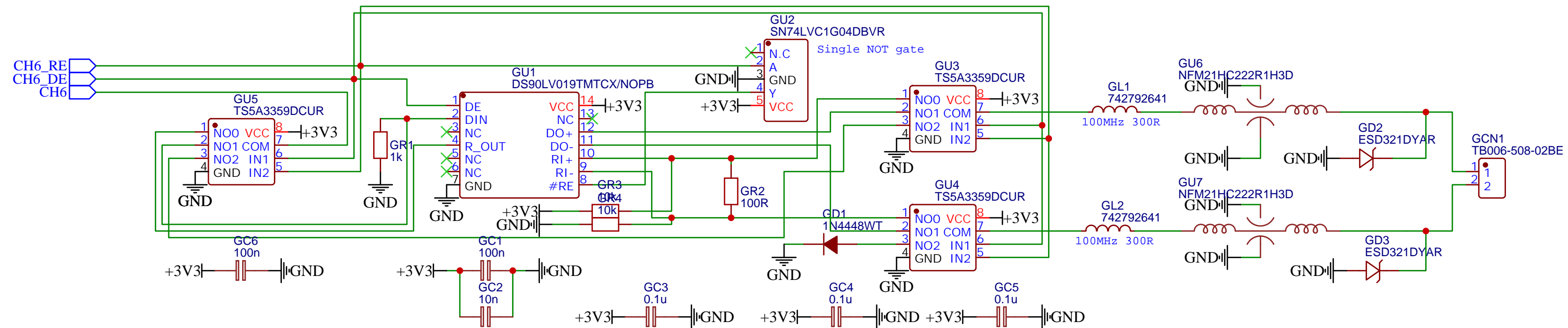
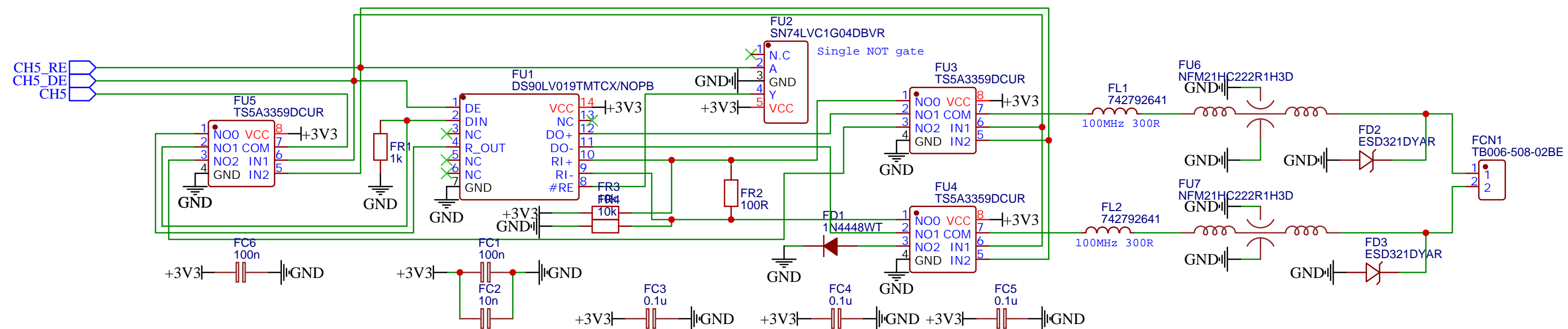
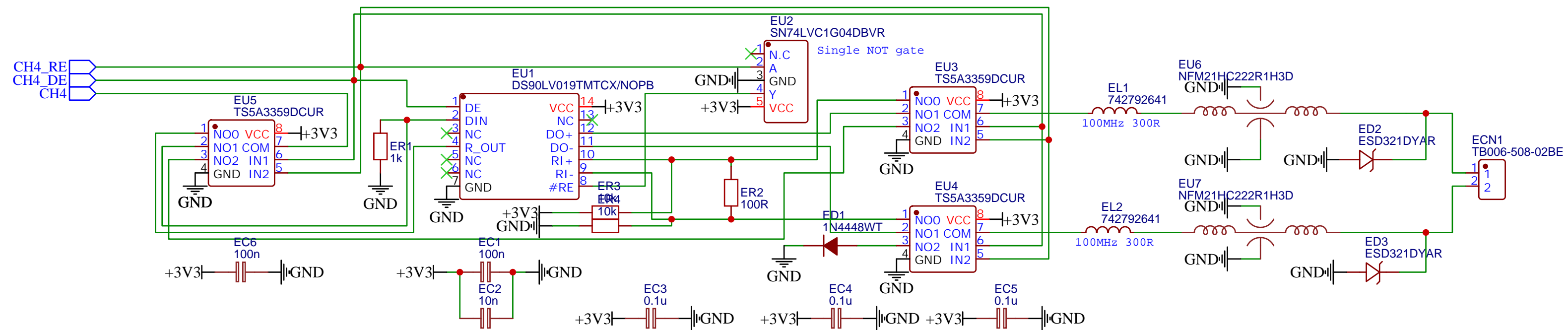
TITLE: Channel Connectors		REV: 1.0
		Sheet: 3/8
Project: MIDDS		Date: 2024-12-15 Drawn By: @dabecart



TITLE: TFT Screen Connection		REV: 1.0
		Sheet: 4/8
Date: 2024-12-15 Drawn By: @dabecart		



TITLE: Channels (1/4)		REV: 1.0
Project: MIDDS		Sheet: 5/8
Date: 2025-01-06		Drawn By: @dabecart



TITLE: Channels (2/4)		REV: 1.0
	Project: MIDD5	Sheet: 6/8
	Date: 2025-01-06 Drawn By: @dabecart	

