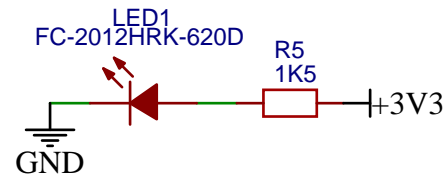
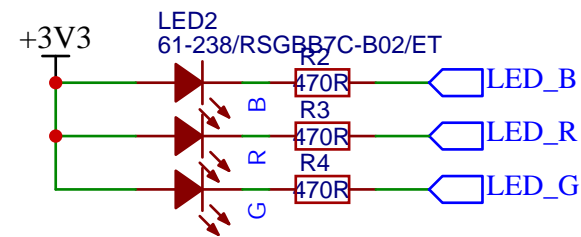
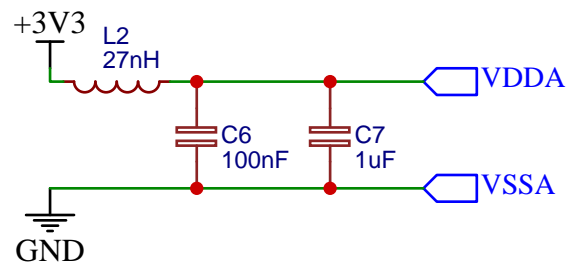


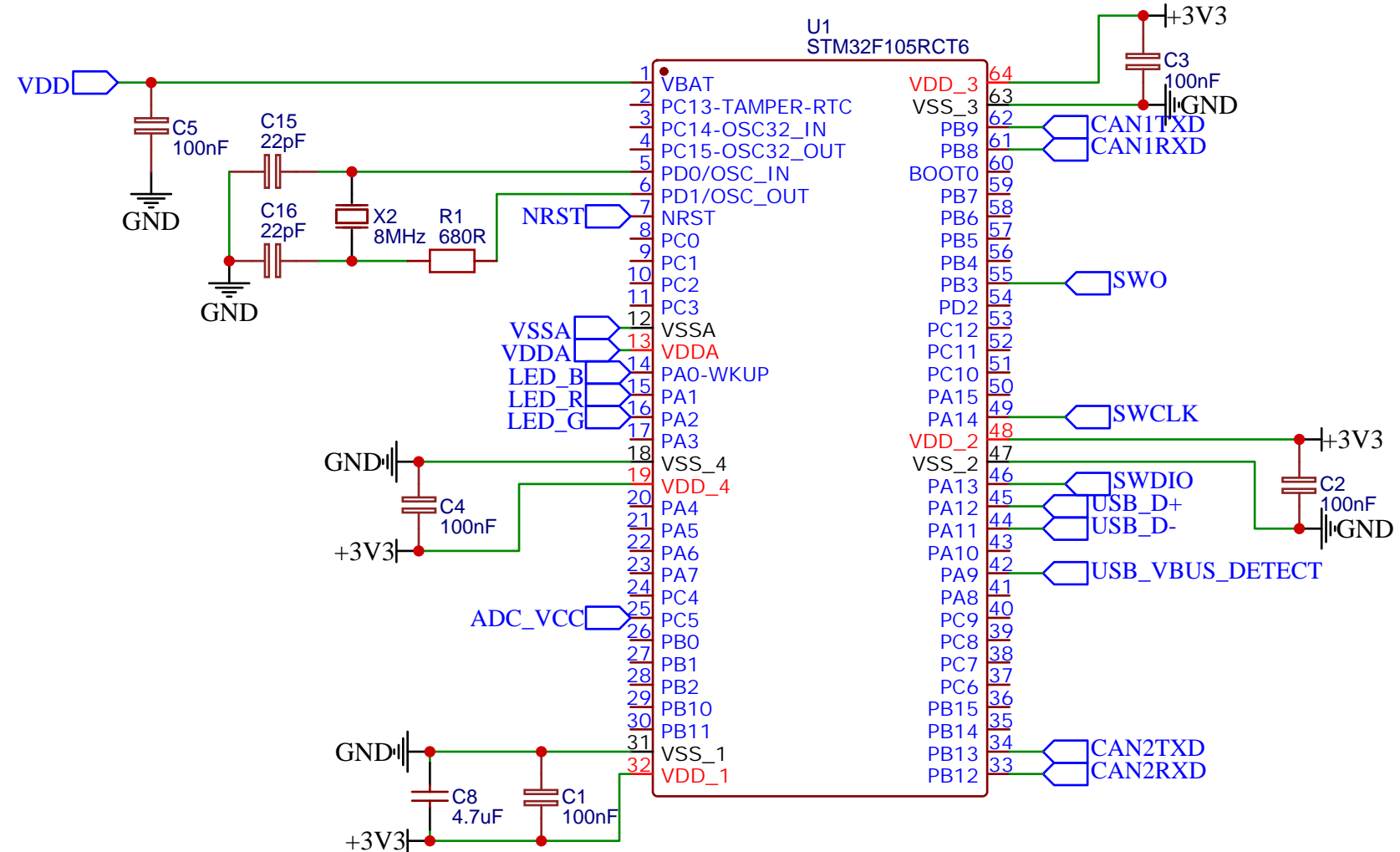
### RGB LED



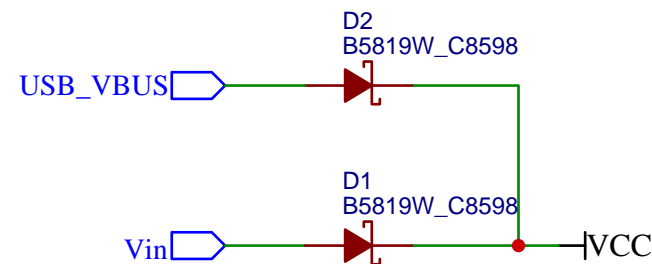
### analog filtering / decoupling



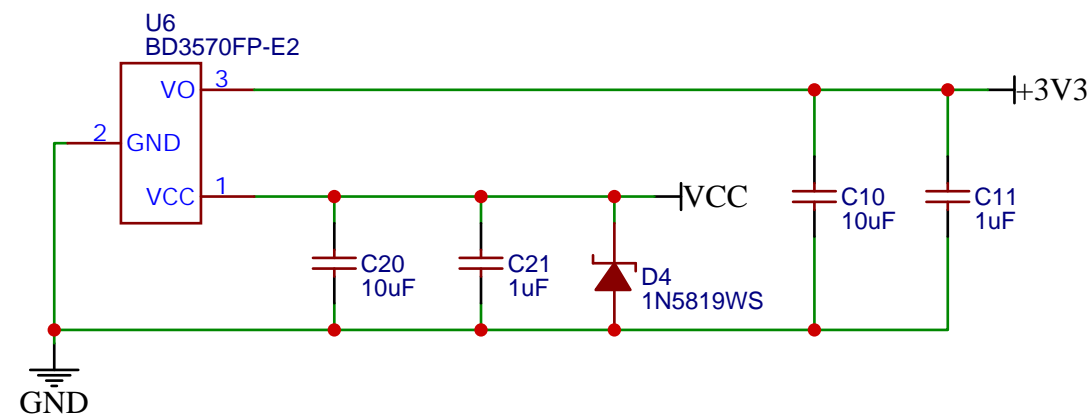
### STM32 microcontroller



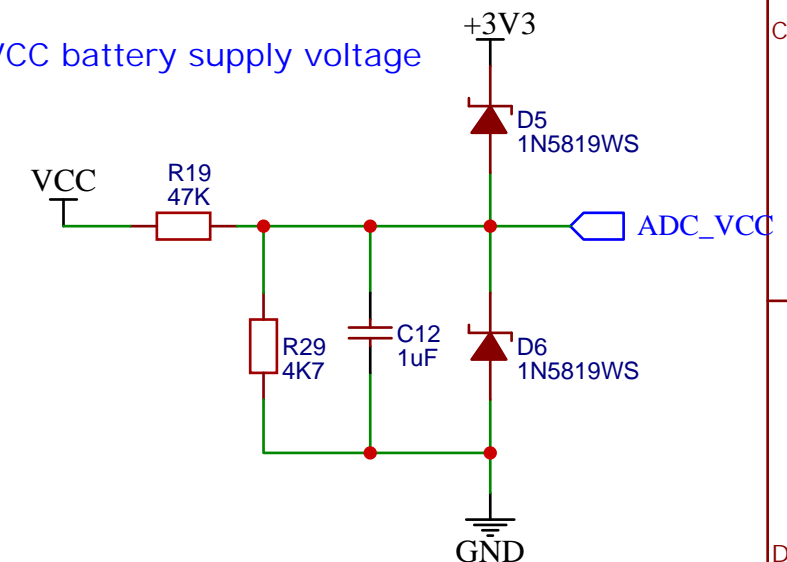
### Dual supply with reverse polarity protection



### 500mA LDO regulator input 4.6V~36V output 3.3V

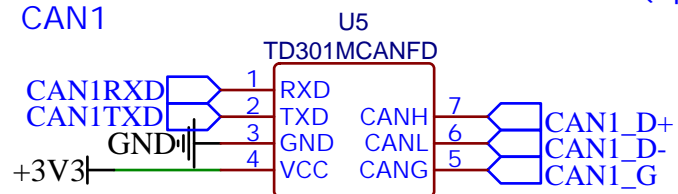


### VCC battery supply voltage

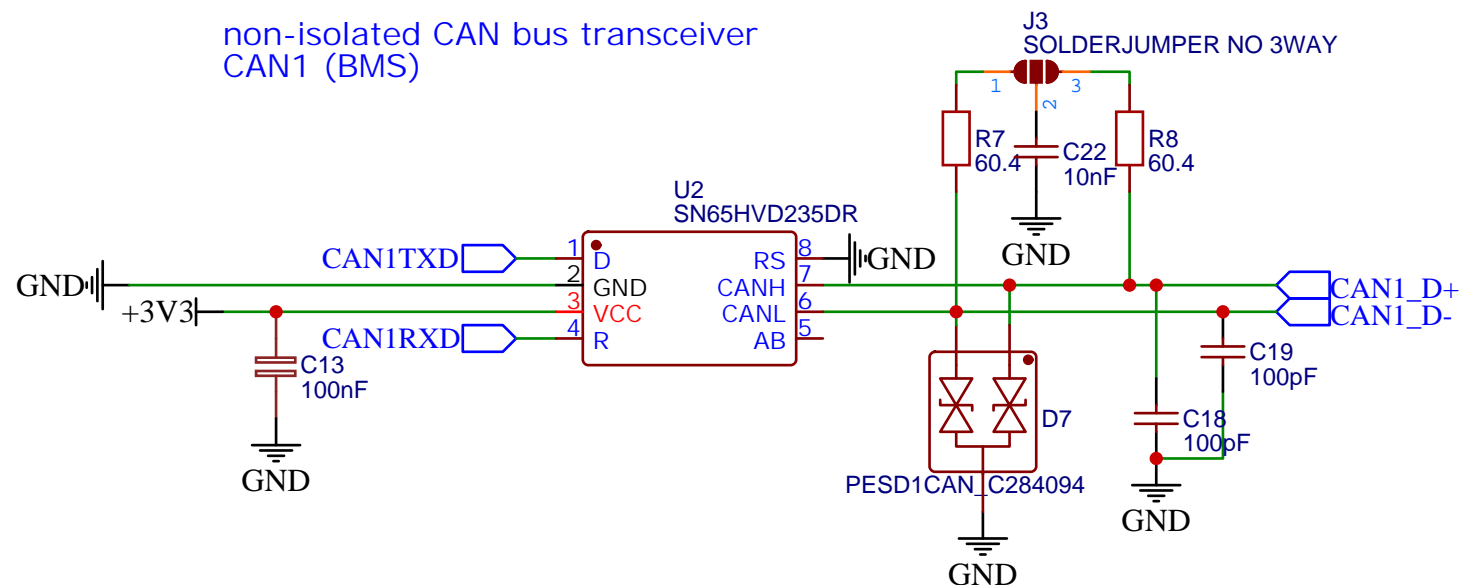


TITLE: CAN bus gateway		REV: 1.0
Company: Bitter & Real		Sheet: 1/3
Date: 2022-05-12		Drawn By: Minos Eignheer

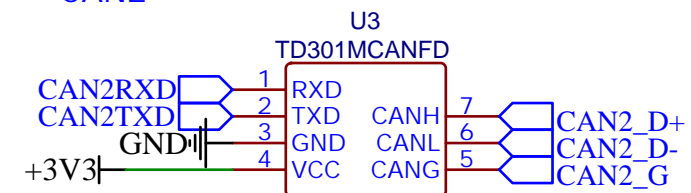
Isolated CAN bus transceiver module (optional)  
CAN1



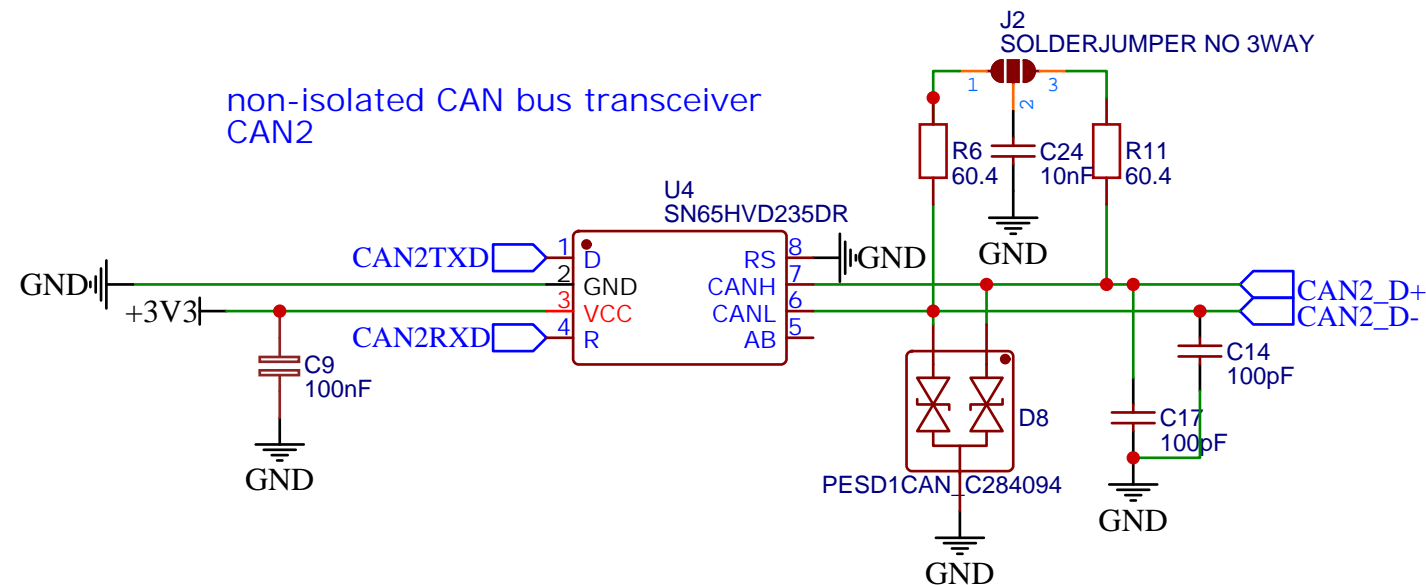
non-isolated CAN bus transceiver  
CAN1 (BMS)



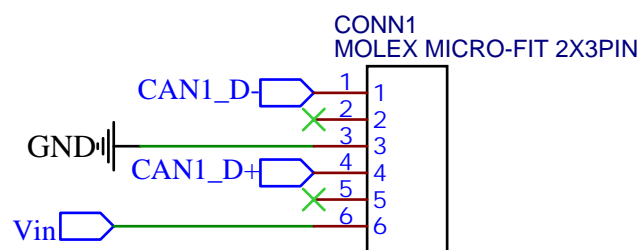
Isolated CAN bus transceiver module (optional)  
CAN2



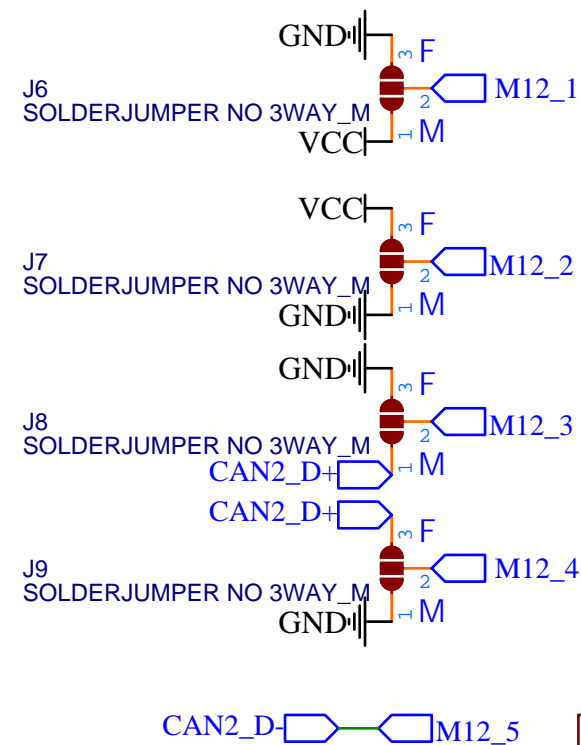
non-isolated CAN bus transceiver  
CAN2



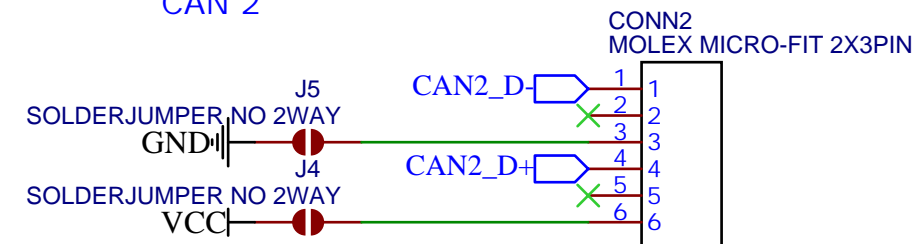
Molex micro-fit 6pin connector  
CAN 1



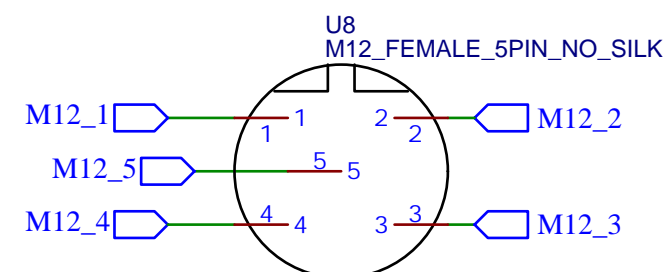
Male / Female connector select jumers



Molex micro-fit 6pin connector  
CAN 2

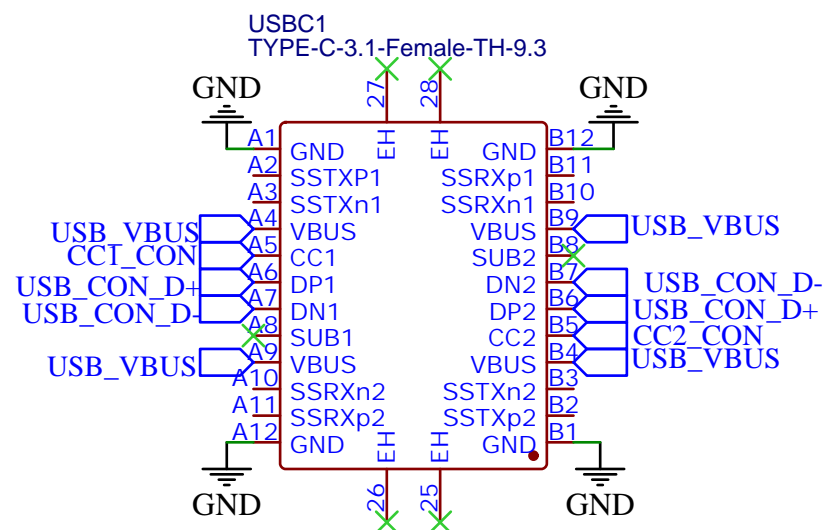


M12 5pin Male or Female connector (NMEA2000)  
CAN 2

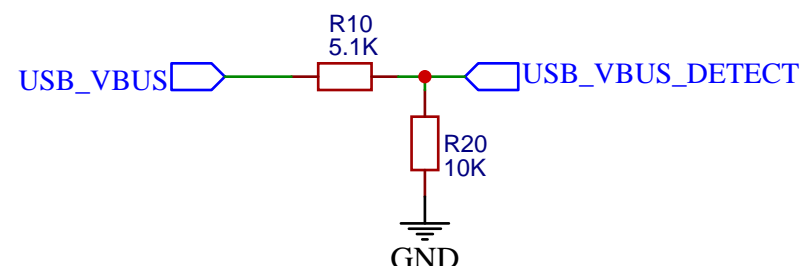
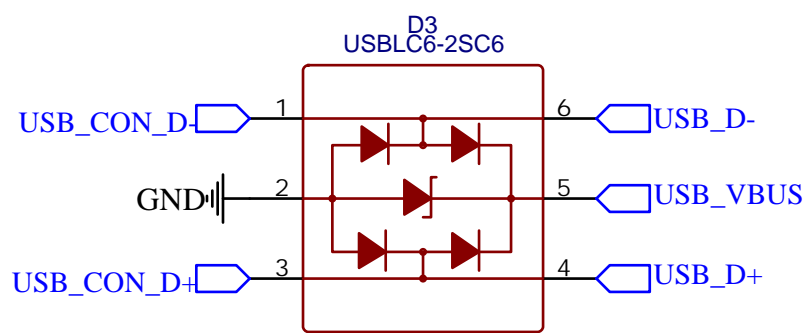


TITLE: CAN bus gateway		REV: 1.0
EasyEDA	Company: Bitter & Real	Sheet: 2/3
	Date: 2022-05-12	Drawn By: Minos Eigenheer

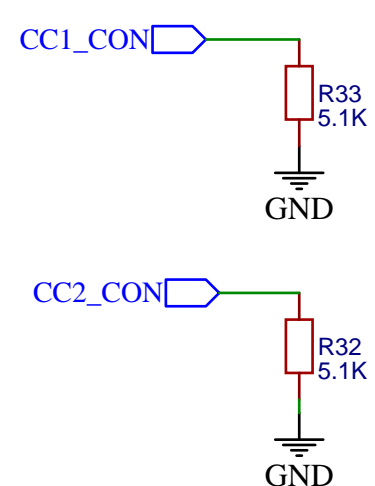
### USB-C connector [USB 2.0 & SWD]



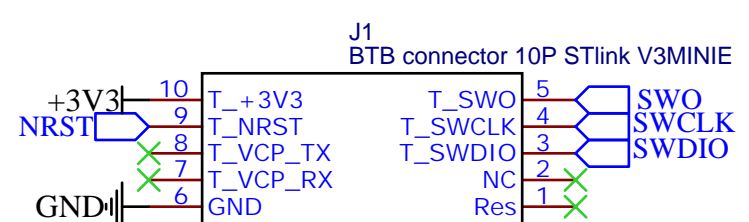
### USB protection



### CC circuits



### ST-link B2B connector (debugging)



TITLE: CAN bus gateway		REV: 1.0
EasyEDA	Company:	Sheet: 3/3
	Date: 2022-05-29	Drawn By: Minos Eigenheer