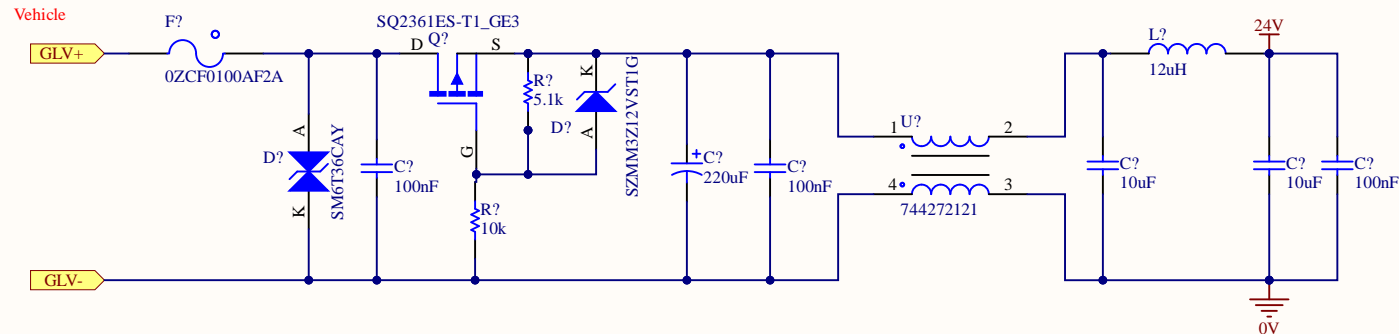
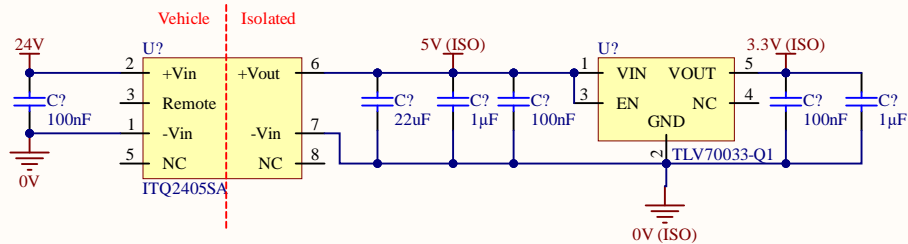


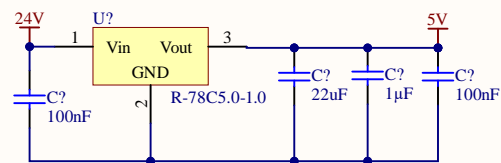
Input filtering + Protection



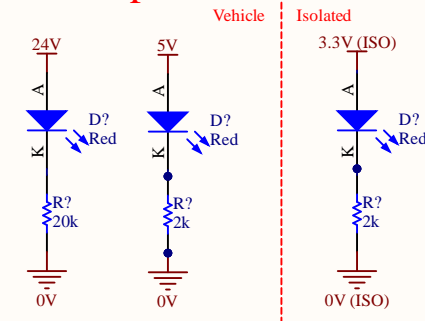
24V to 5V/3.3V (Isolated)



24V to 5V



LED power indicators



Title		
Size	Number	Revision
A4		
Date:	4/12/2023	Sheet of
File:	C:\Users\...\Power supply.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
220uF		C6, C?	Vishay Radial 1213	MAL214699106E3	2
10uF		C7, C8, C?	0805	GRM21BR6YA106KE4 3L	4
100nF		C9, C10, C11, C12, C15, C16, C?	0805	GCM21BR71H104KA3 7L	12
22uF		C13, C?	0805	GRM21BR61A226ME5 1L	2
1μF		C14, C17, C?	0805	GCM21BR71H105KA0 3L	4
SZMM3Z12VST1G		D2, D?	ON SOD323	SZMM3Z12VST1G	2
SM6T36CAY		D3, D?	ST SMB DIODE	SM6T36CAY	2
Red	[NoValue], Red LED Indication - Discrete 1.75V 0805 (2012 Metric)	D4, D5, D?	0805 LED	Red, SML-210LTT86	4
OZCF0100AF2A	PTC RESET FUSE 60V 1A 292	F2, F?	2920	OZCF0100AF2A	2
12uH		L1, L?	1812	RLS-126	2
SQ2361ES-T1_GE3	MOSFET P-CH 60V 2.8A SSOT23	Q1, Q?	VSHY SOT-23-3	SQ2361ES-T1_GE3	2
5.1k		R1, R?	0805	RC0805FR075K1L	2
10k		R2, R?	0805	RC0805FR0710KL	2
20k		R3, R?	0805	RC0805FR0720KL	2
2k		R4, R?	0805	RC0805FR072KL	2
744272121		U3, U?	Würth 4-PC Pad	744272121	2
ITQ2405SA	DC DC CONVERTER 5V 6W	U4, U?	8-SIP	ITQ2405SA	2
TLV70033-Q1	IC REG LINEAR 3.3V 200MA SOT23-5	U5, U?	TI SOT-23-5	TLV70033-Q1	2