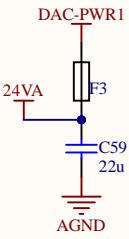
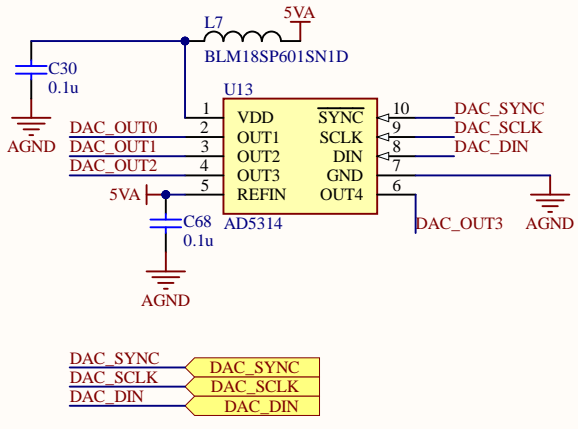
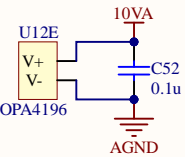
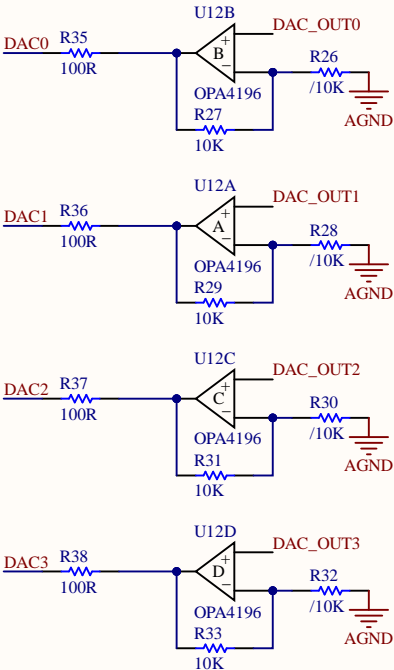
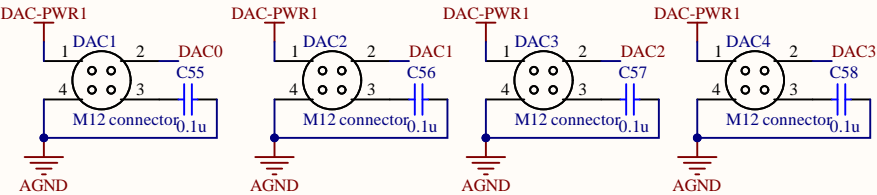


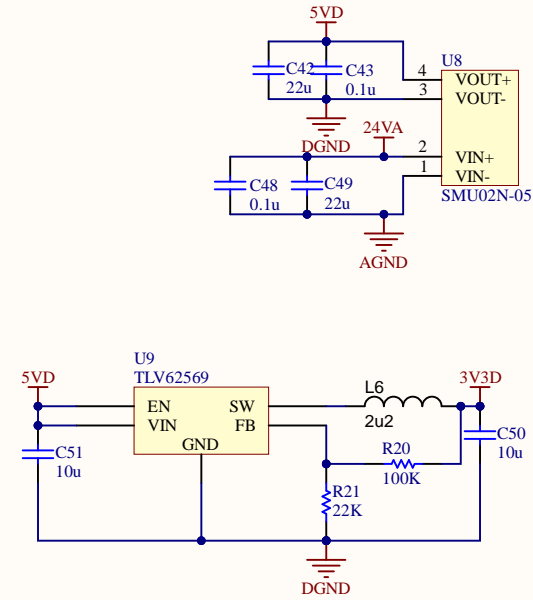
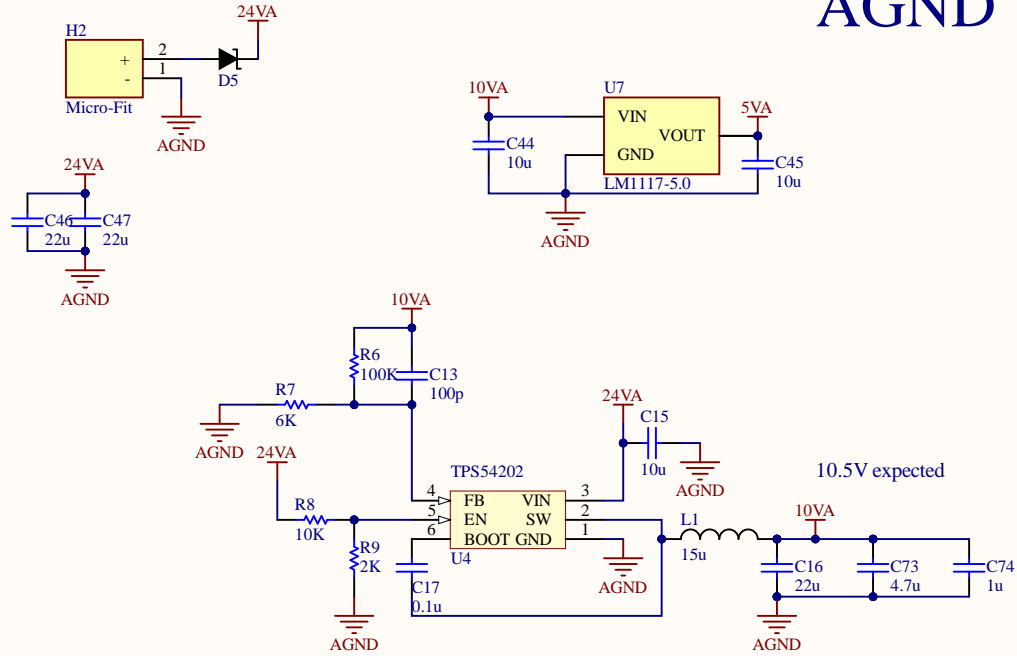
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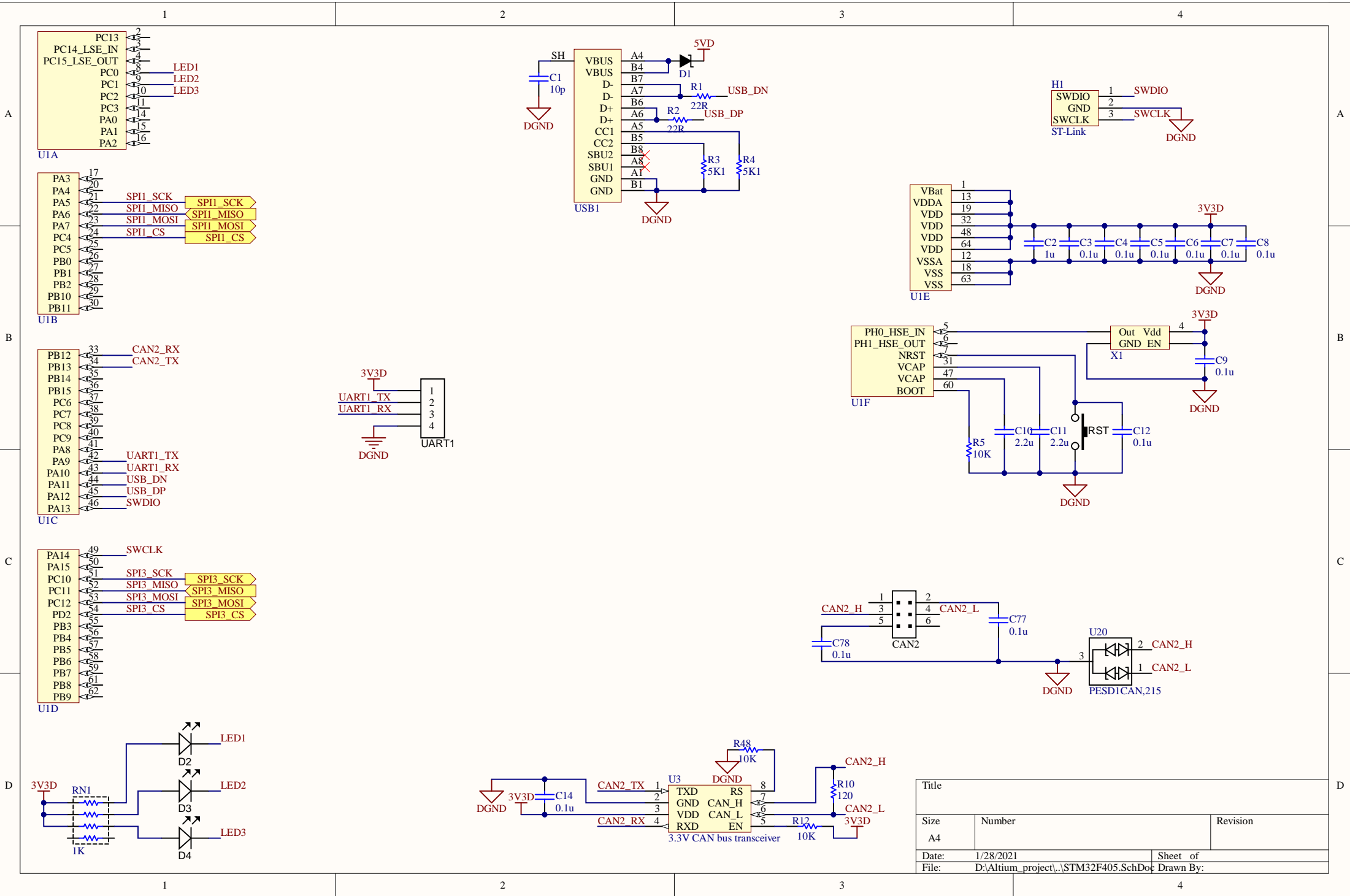
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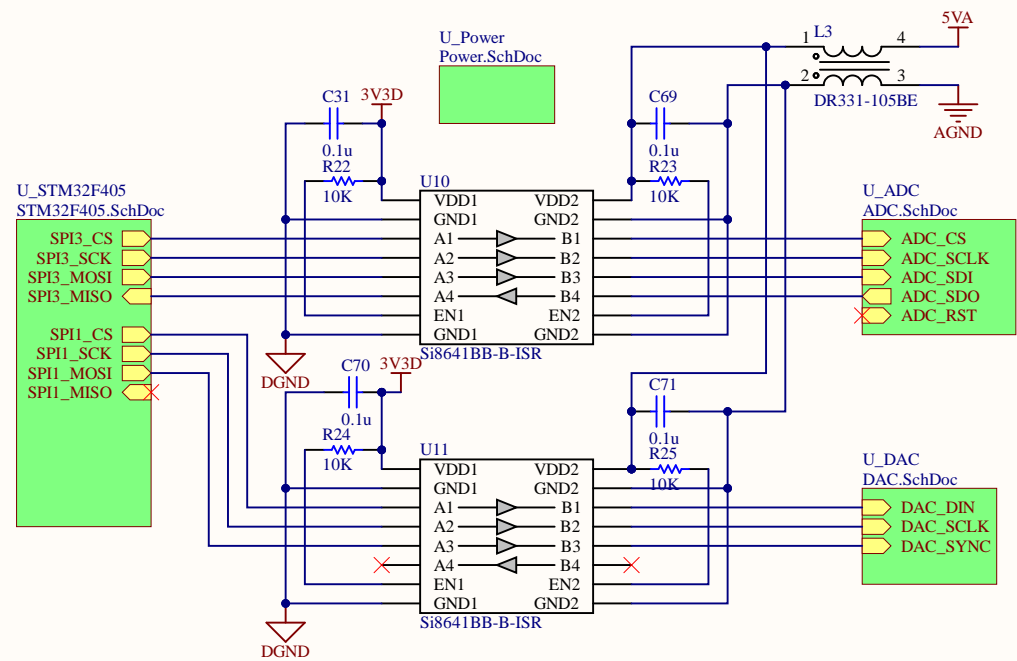
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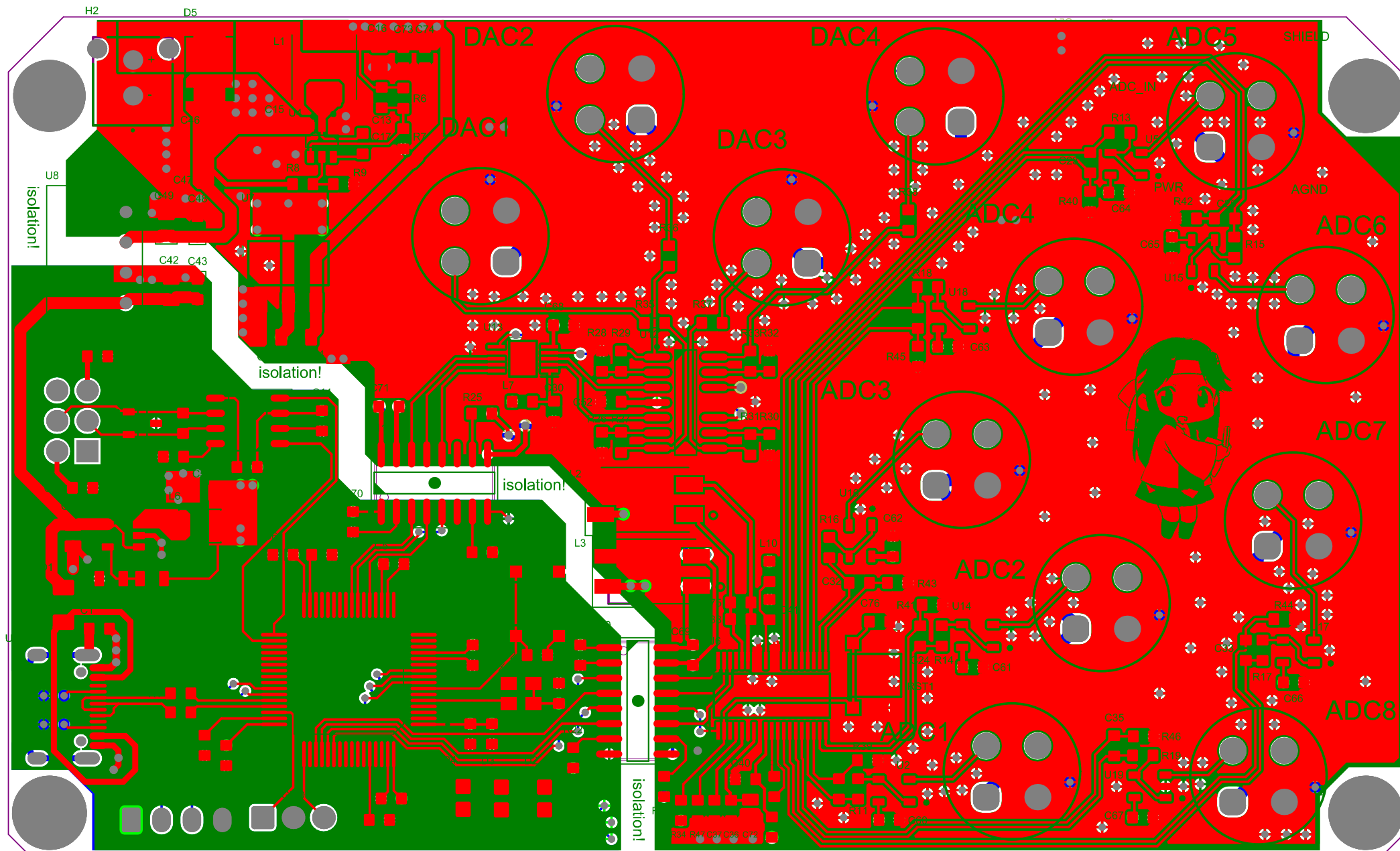


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CAN2



Comment	Description	Designator	Footprint	LibRef	Quantity
M12 connector	M12 connect with 4 pin, current 4A per terminal	ADC1, ADC2, ADC3, ADC4, ADC5, ADC6, ADC7, ADC8, DAC1, DAC2, DAC3, DAC4	GX12_PCB_Mount	M12_connector	12
Cap	Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C43, C48, C52, C55, C56, C57, C58, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C73, C74, C75, C76, C77, C78	CAPC1608X90N	Cap	64
Cap	Capacitor	C15, C16, C42, C44, C45, C46, C47, C49, C50, C51, C53, C54, C59, C72	CAPC2012X135N	Cap	14
Header, 2x3-pin	Header, 2x3-pin	CAN2	HDR2X3_2.54MMP_R_A	Header_2x3P	1
diode	40V 2A	D1	DIODE_3216_70N	SD1206S040S2R0	1
LED_Green_GullWing	LED Gull-wing SMD High-Intensity Green 450mcd 574nm	D2, D3, D4	LED-0805-A	LED_Green_GullWing	3
SS24	2.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER	D5	DO-214AA	SS24	1
MFU0805FF00500P100	fuse 32V 0.5A	F1, F2, F3	RESC2012X70N	FUSE_32V_500MA_0805	3
ST-Link	ST-Link header with silkscreen	H1	ST-Link	ST-Link	1
Micro-Fit	Micro fit series from MOLEX_2P_8.6A	H2	430450212	Molex_430450212	1
15uH inductor	15uH inductor with 2A saturation current. Dimension is 5.5 * 5.2 * 3 mm*3	L1	INDC_5.5x5.3x3	INDC_MPX1D0530L150	1
DR331-105BE	Common mode choke 1mH 0.5A	L2, L3	DR331-105BE	DR331-105BE	2
inductor	1uH SMD 4040	L6	INDM3225X240N	INDC	1
BLM18SP601SN1D	Ferritebead 1.5A, max 600ohm resistance	L7, L9, L10	INDC1608N	INDC_BLM18SP601SN1D	3
Res1	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48	RESC1608X55N	Res1	46
Res1	Resistor	R20, R21	RESC2012X70N	Res1	2
resistor network		RN1	RESCAXS0P160X320X70-8N	RES_NET	1
SW_THT_PB_4.3mm	Switch, tact, 4.3mm stem	RST, RST1	TACT_SWIT-SMD-4.4	SW_THT_PB_4.3mm	2
STM32F405RE	STM32F405RE 64 pin package, Cortex M4 core with up to	U1	LOFP64	STM32F405RE	1
OPA196	operational amplifier 36V input	U2, U5, U14, U15, U16, U17, U18, U19	SOT23-5	OPA196	8
3.3V CAN bus transceiver	3.3V CAN bus transceiver up to 1Mbps	U3	SOIC127P600X175-8AN	SN65HVD234-Q1	1
TPS54202	4.5-28V input 2A output step down, EMI Friendly Synchronous Step Down Converter	U4	SOT23-6	TPS54202	1
ADS8688	ADC 8 channel, 500KSPS	U6	TSSOP38	ADS8688	1
LM1117-5.0	1117 LDO with fixed 5V output, 800mA current	U7	SOT223	LM1117-5.0	1
SMU02N-05	isolated 24V to 5V	U8	SMU02N	SMU02N-05	1
TLV62569	2-A High Efficiency Synchronous Buck Converter in SOT Package	U9	SOT23-5	TLV62569	1
Si8641BB-B-ISR	isolator for SPI 3 forward 1 reverse isolator	U10, U11	SOIC127P600X175-16AN	Si8641BB-B-ISR	2
OPA4196	operational amplifier 36V input	U12	SOIC127P600X175-14AN	OPA4196	1
AD5314	10-bit DAC 4 channel	U13	MSOP10_no_EP	AD5314	1
PESD1CAN,215	ESD protection for CAN bus. Clamp voltage is 40V	U20	SOT23-3	PESD1CAN,215	1
USB type C connector ASE-8.000MHZ-LC-T	USB type C connector 8MHz	USB1	TYPE-C-31-M-12	USB_Type_C	1
		X1	ASE Series	ASE-8.000MHZ-LC-T	1