

A

B

C

D

1

2

3

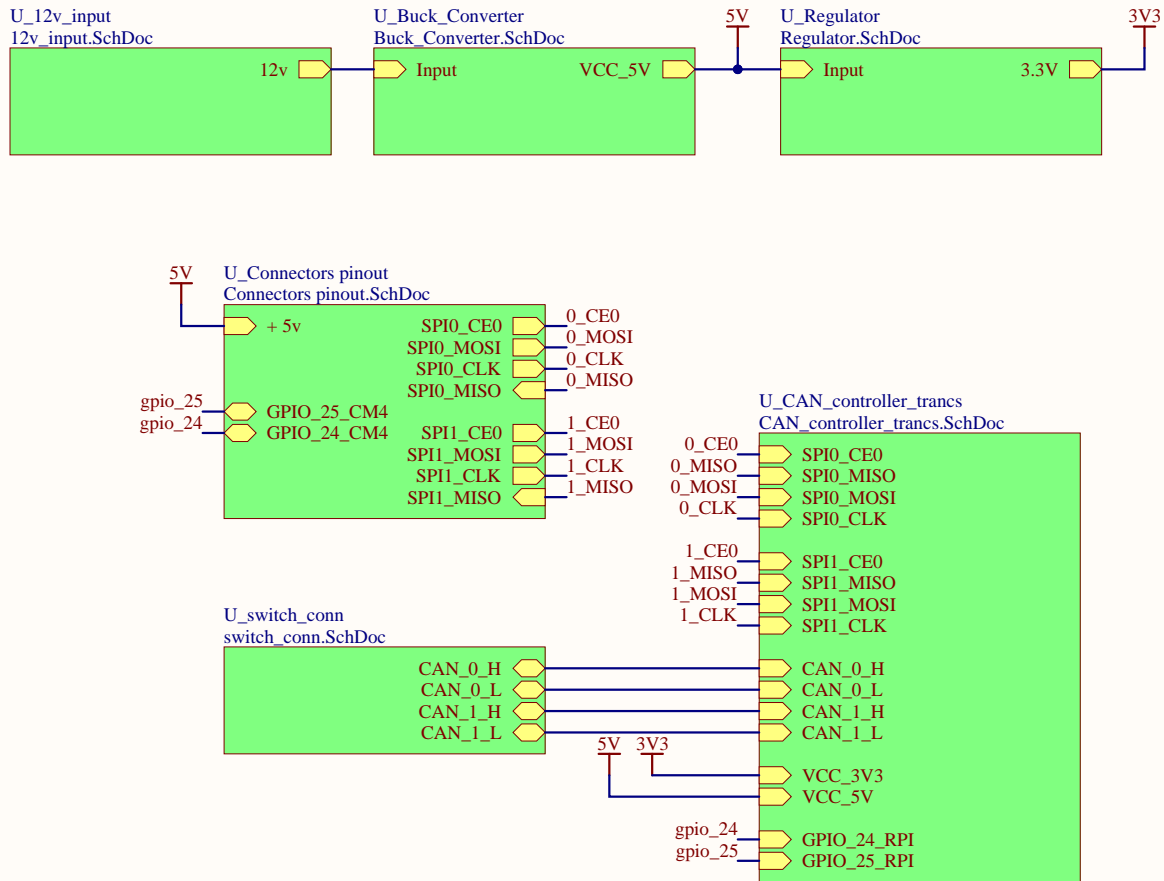
4

A

B

C

D



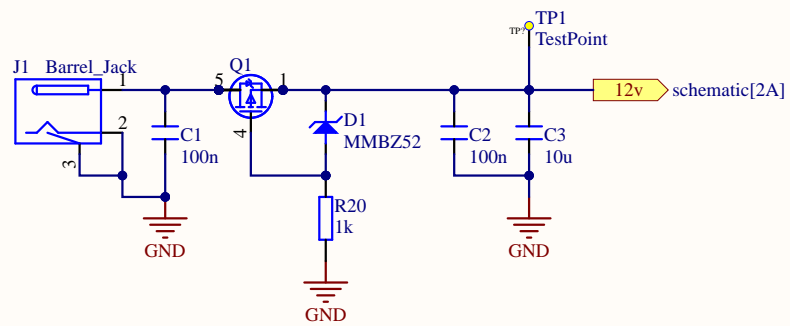
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A			
Date:	7/22/2024		Sheet of
File:	D:\aPersonal\...\schematic.SchDoc		Drawn By:

1

2

3

4



Title		
Size	Number	Revision
A		
Date:	7/22/2024	Sheet of
File:	D:\aPersonal\...\12v_input.SchDoc	Drawn By:

A

A

B

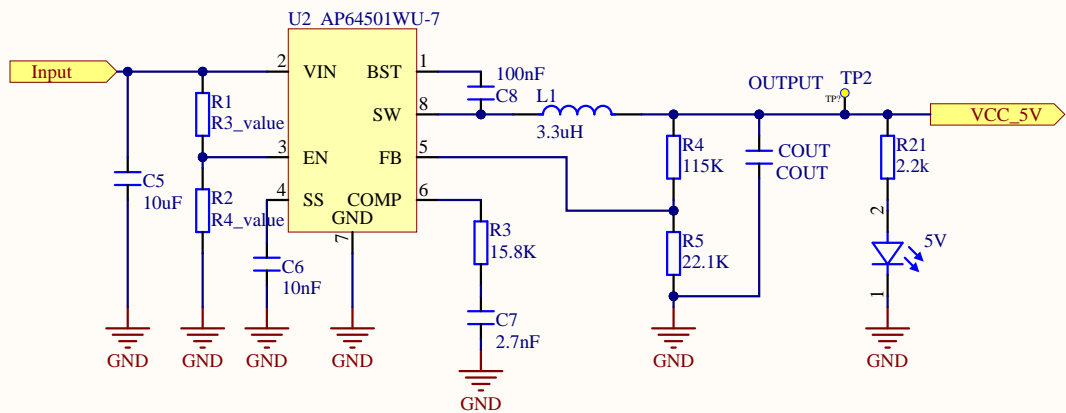
B

C

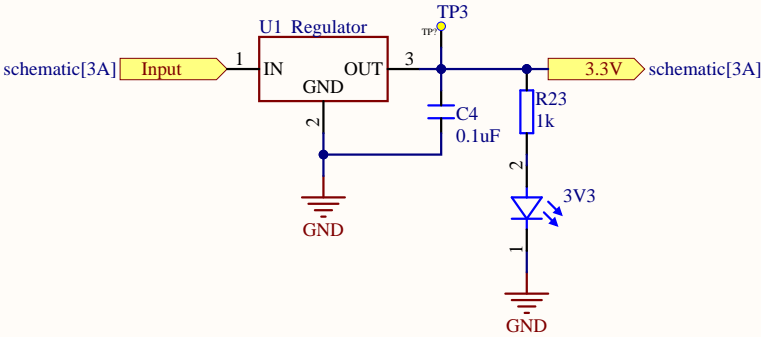
C

D

D



Title		
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Date:	7/22/2024	Sheet of
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Title		
Size	Number	Revision
A		
Date:	7/22/2024	Sheet of
File:	D:\aPersonal\...\Regulator.SchDoc	Drawn By:

A

B

C

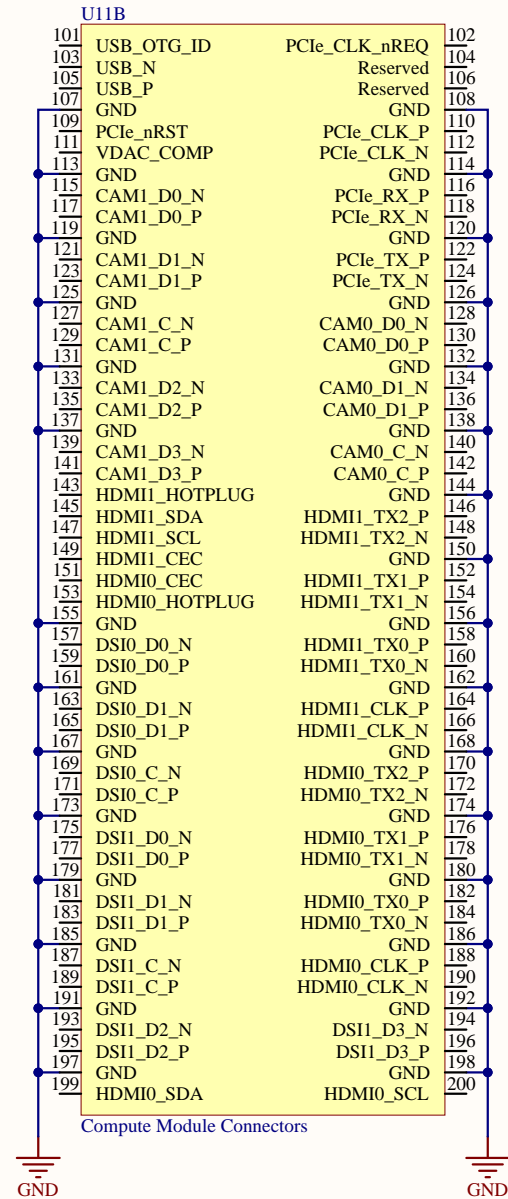
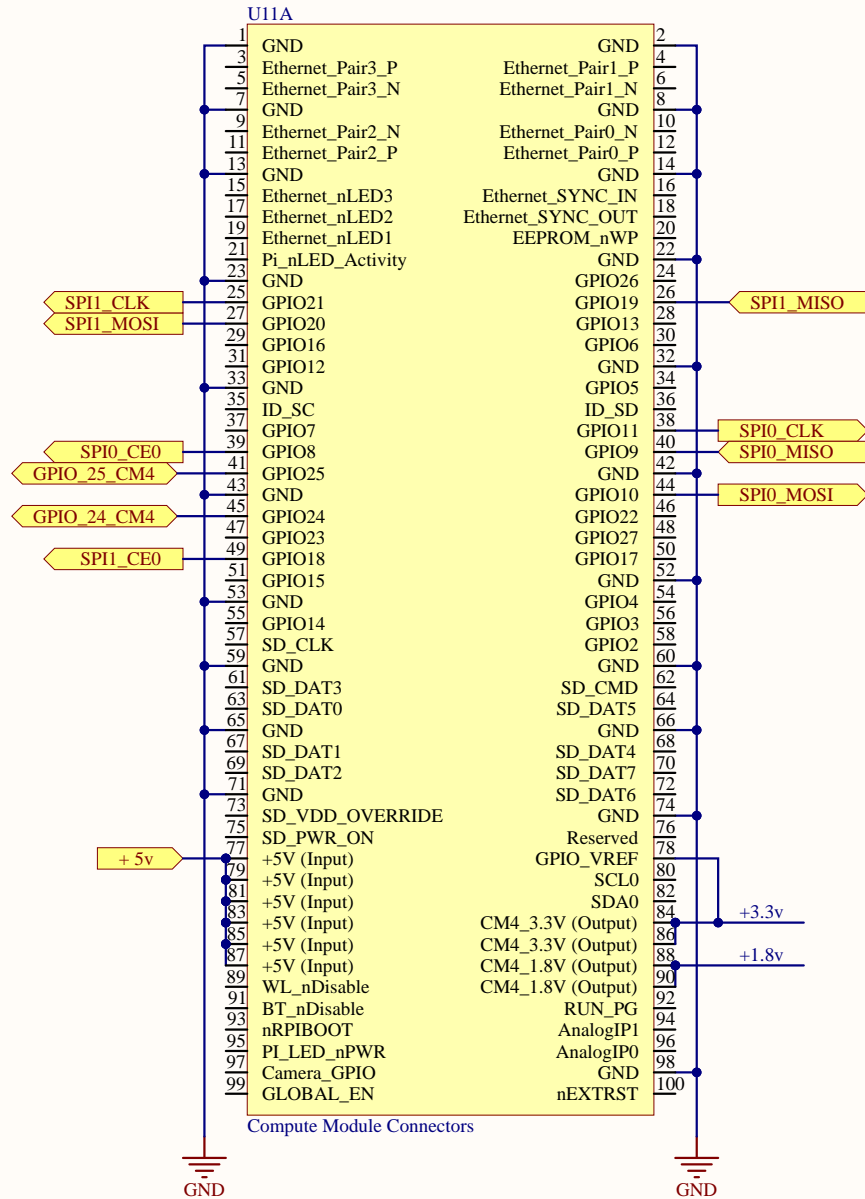
D

A

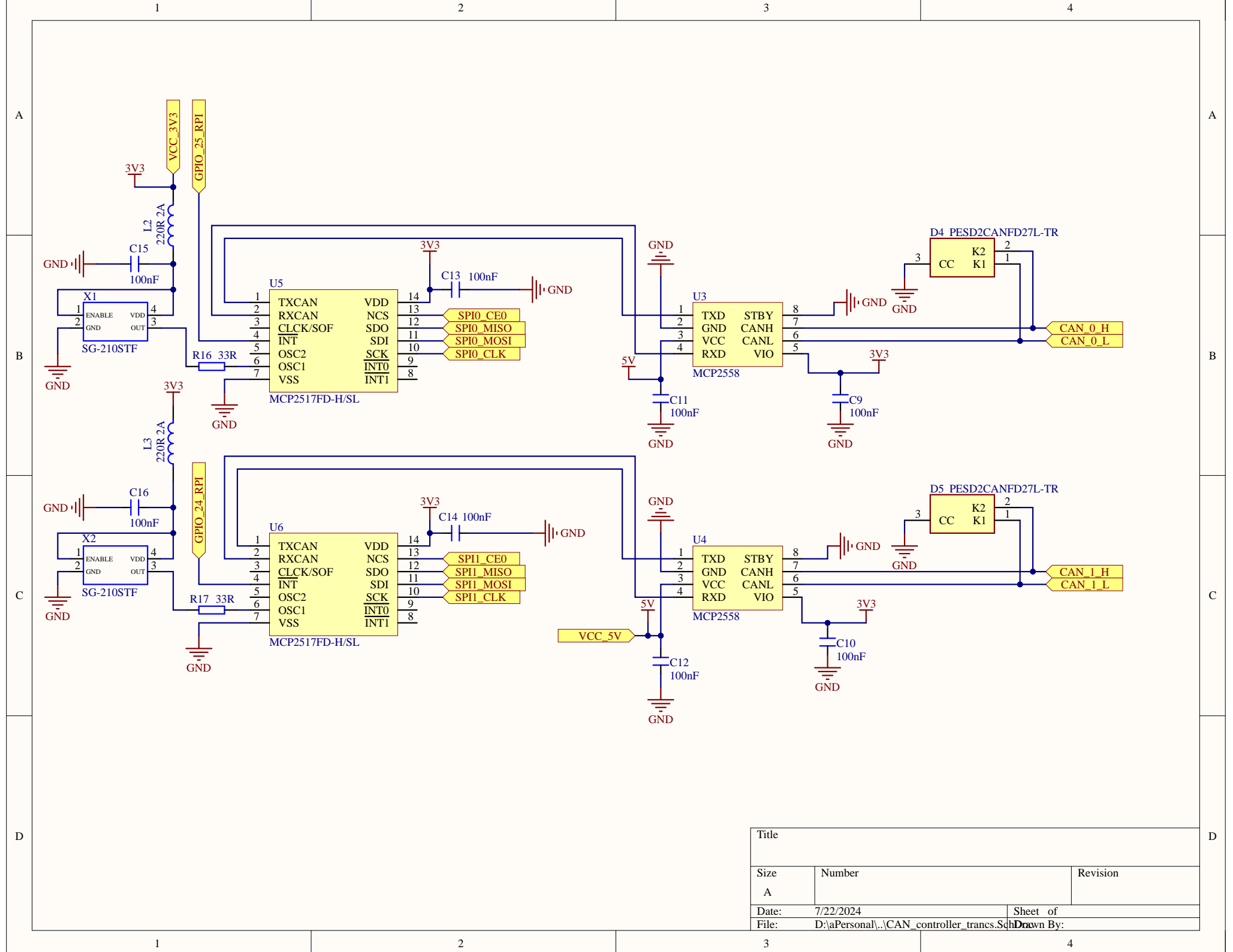
B

C

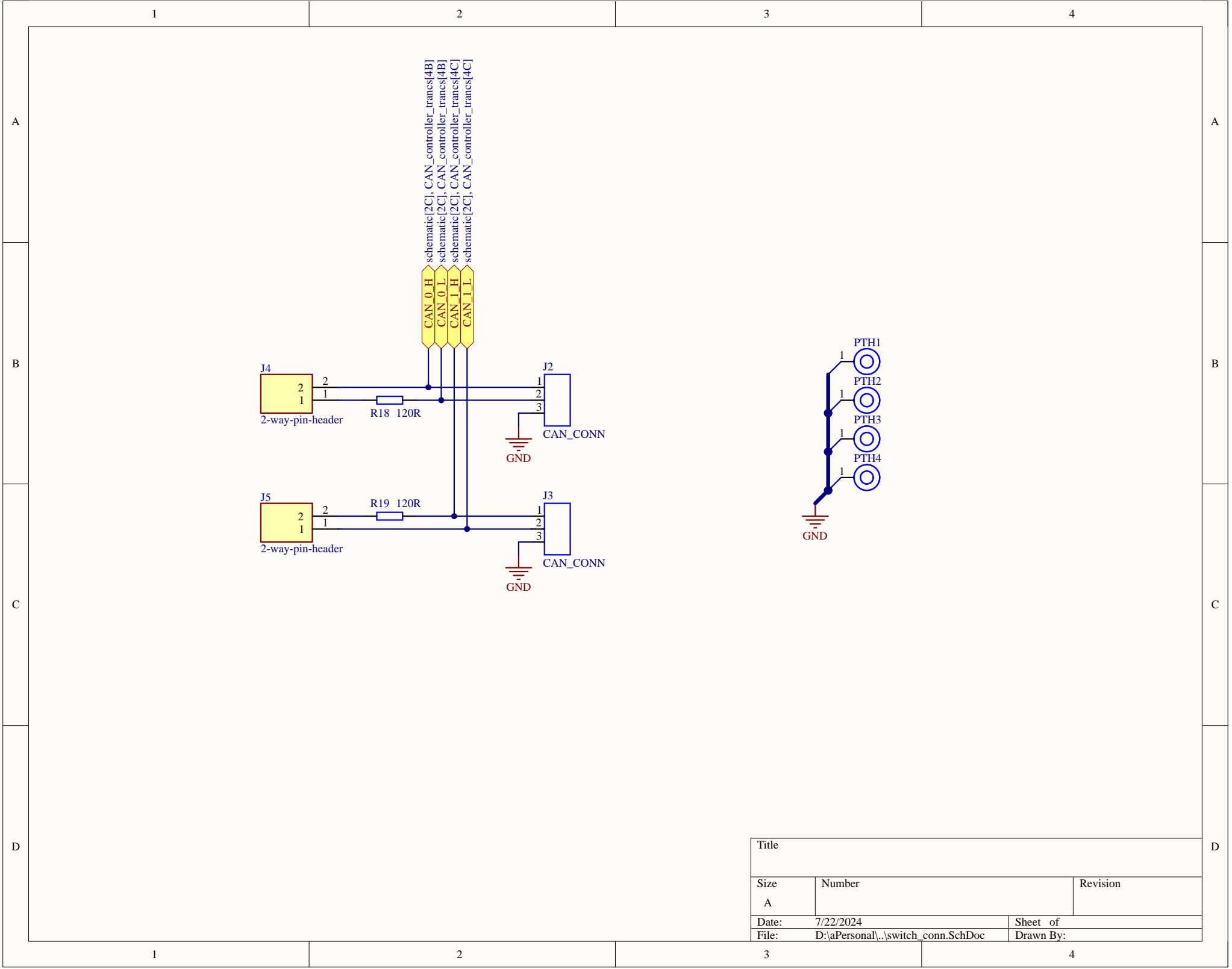
D



Title		
Size	Number	Revision
A		
Date:	7/22/2024	Sheet of
File:	D:\aPersonal\...\Connectors pinout.SchDoc Drawn By:	



Title		
Size	Number	Revision
A		
Date:	7/22/2024	Sheet of
File:	D:\aPersonal\...\CAN_controller_trancs.Sch	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
led	[NoValue], <a href="https://ro.farnell.com/wurth-elektronik/150080gs75000/led-0805-green-450mcd-520nm/dp/2322076?goss_price=true&amp;CMP=KNC-GRO-GEN-SHOPPING-PMAX_Test_840_MediumMargin&amp;mckv=_dc%7Cpcrid%7C%7Cplid%7C%7Ckword%7C%7Cmatch%7C%7Cslid%7C%7Cproduct%7C2322076%7Cpgrid%7C%7Cptaid%7C%7Cgad_source=1&amp;gclid=Cj0KCQjwjLGyBhCYARIsAPqTz18Amj4u5qMw452dzp4QfbvRWjaA25yZdq1iP5S9VagIDibMucql-VwaApB3EALw_wcB">https://ro.farnell.com/wurth-elektronik/150080gs75000/led-0805-green-450mcd-520nm/dp/2322076?goss_price=true&amp;CMP=KNC-GRO-GEN-SHOPPING-PMAX_Test_840_MediumMargin&amp;mckv=_dc%7Cpcrid%7C%7Cplid%7C%7Ckword%7C%7Cmatch%7C%7Cslid%7C%7Cproduct%7C2322076%7Cpgrid%7C%7Cptaid%7C%7Cgad_source=1&amp;gclid=Cj0KCQjwjLGyBhCYARIsAPqTz18Amj4u5qMw452dzp4QfbvRWjaA25yZdq1iP5S9VagIDibMucql-VwaApB3EALw_wcB</a>	3V3, 5V	LED_fp	led	2
100n		C1, C2	CAP_0805	CAP_0805	2
10u		C3	CAP_0805	CAP_0805	1
0.1uF		C4	CAP_0805	CAP_0805	1
10uF		C5	CAP_0805	CAP_0805	1
10nF		C6	CAP_0805	CAP_0805	1
2.7nF		C7	CAP_0805	CAP_0805	1
100nF		C8, C9, C10, C11, C12, C13, C14, C15, C16	CAP_0805	CAP_0805	9
COUT		COUT	CAP_0805	CAP_0805	1
MMBZ52		D1	MMBZ52	MMBZ52	1
PESD2CANFD27L-TR	Diode	D4, D5	SOT95P230X110-3N	PESD2CANFD27L-TR	2
Barrel_Jack		J1	power jack	Barrel_Jack	1
CAN_CONN		J2, J3	Terminal	CAN_CONN	2
2-way-pin-header		J4, J5	HDRV2W66P0X254_1X2_508X249X1067P	2-way-pin-header	2
3.3uH	SRN6045TA-3R3Y	L1	SRN6045TA330M	Inductor	1
220R 2A		L2, L3	L_0805	Inductor	2
PTH?	Mounting Hole, 2.5mm	PTH1, PTH2, PTH3, PTH4	mh_fp	PTH?	4
Q1		Q1	DMP3036SFV7	Q1	1
R3_value		R1	RES0402	RES 0402	1
R4_value		R2	RES0402	RES 0402	1
15.8K		R3	RES0402	RES 0402	1
115K		R4	RES0402	RES 0402	1
22.1K		R5	RES0402	RES 0402	1
33R		R16, R17	RES0402	RES 0402	2
120R		R18, R19	RES0402	RES 0402	2
1k		R20, R23	RES0402	RES 0402	2
2.2k		R21	RES0402	RES 0402	1
TestPoint		TP1	Test_point	test_point	1
test_point		TP2, TP3	Test_point	test_point	2
Regulator	CJ117 or TC1108	U1	TC1108	Regulator	1
AP64501WU-7		U2	AP60501	AP64501WU-7	1
MCP2558		U3, U4	MCP2557_SOIC8	MCP2558	2
MCP2517FD-H/SL		U5, U6	MCP2517FD_SOIC14	MCP2517FD-H/SL	2
Compute Module Connectors		U11	CM4-DF40HC(3.0)-100DS-0.4v_3mm_1.5mm_N O_Outline-3D	Compute Module Connectors	1
SG-210STF		X1, X2	Osc	SG-210STF	2