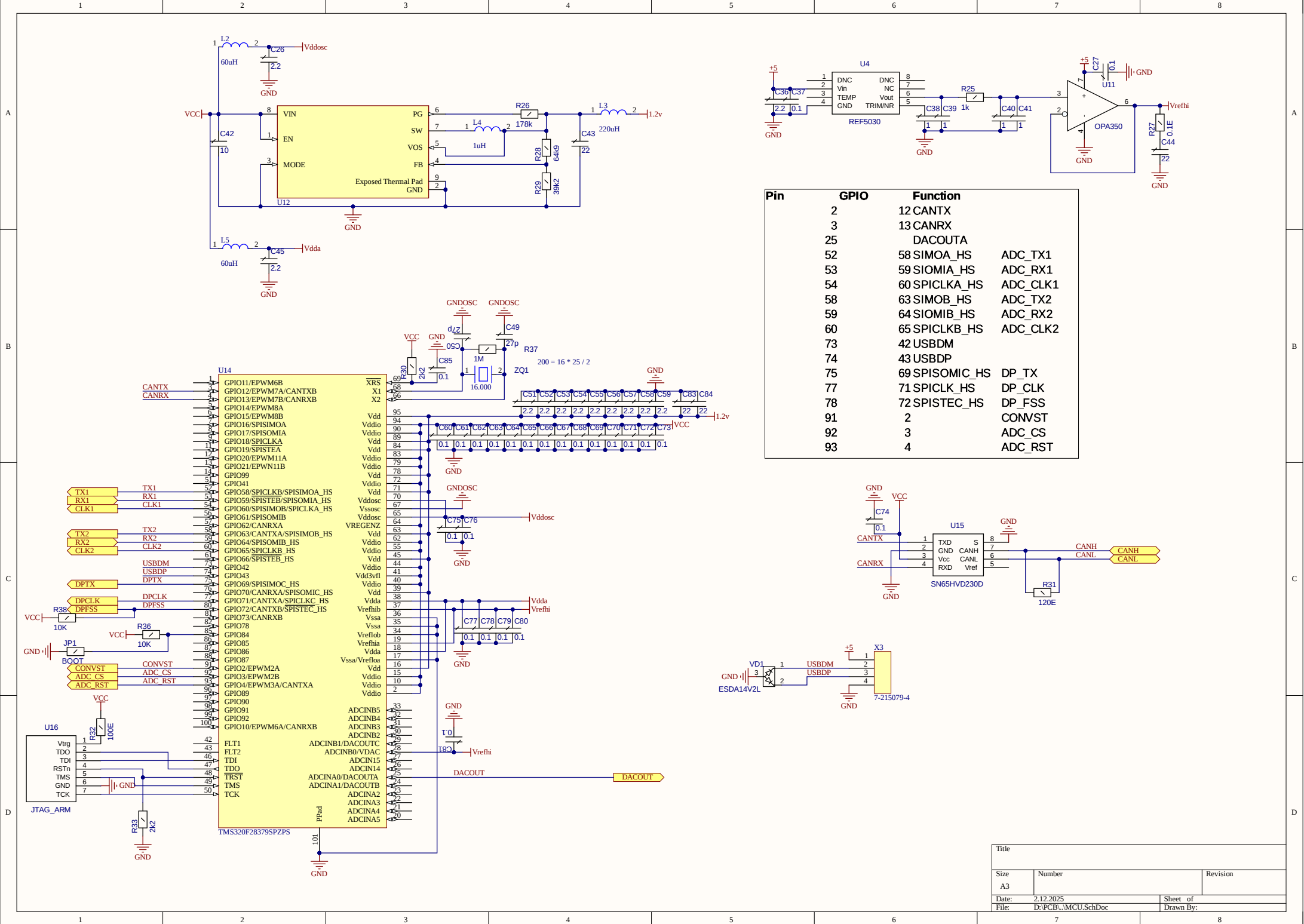




Pin	GPIO	Function
2	12	CANTX
3	13	CANRX
25		DACOUTA
52	58	SIMOA_HS ADC_TX1
53	59	SIOMIA_HS ADC_RX1
54	60	SPICLKA_HS ADC_CLK1
58	63	SIMOB_HS ADC_TX2
59	64	SIOMIB_HS ADC_RX2
60	65	SPICLKB_HS ADC_CLK2
73	42	USBDM
74	43	USBDP
75	69	SPISOMIC_HS DP_TX
77	71	SPICLK_HS DP_CLK
78	72	SPISTEC_HS DP_FSS
91	2	CONVST
92	3	ADC_CS
93	4	ADC_RST

Title		
Size	Number	Revision
A3		
Date:	2.12.2025	Sheet of
File:	D:\PCB\...MCU.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
CERCAP 0805 0.1 50V X7R 10%		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C12, C14, C15, C16, C18, C19, C20A, C20B, C22, C23A, C23B, C24A, C24B, C25, C28A, C28B, C29A, C29B, C31A, C31B, C32, C35, C48, C74	C0805	CMP-001-0039-4, CMP-001-0039-3	34
CERCAP 0805 (Value) 50V X7R 10%		C11, C17	C0805	CMP-001-0039-4	2
CERCAP 0805 1.0 50V X7R 10%		C13	C0805	CMP-001-0039-4	1
CERCAP 0805 1n 50V X7R 10%		C21A, C21B, C34A, C34B	C0805	CMP-001-0039-4	4
CERCAP 0805 2.2 210V X7R 10%		C26, C36, C45, C51, C52, C53, C54, C55, C56, C57, C58, C59	C0805	CMP-001-0039-3	12
CERCAP 0805 0.1 110V X7R 10%		C27, C37, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C75, C76, C77, C78, C79, C80, C81, C85	C0805	CMP-001-0039-3	24
CERCAP 0805 10n 50V X7R 10%		C30A, C30B	C0805	CMP-001-0039-4	2
CERCAP 0805 22 50V X7R 10%		C33A, C33B, C82	C0805	CMP-001-0039-4	3
CERCAP 0805 1 10V X7R 10%		C38, C39, C40, C41	C0805	CMP-001-0039-3	4
CERCAP 0805 10 10V X7R 10%		C42	C0805	CMP-001-0039-3	1
CERCAP 0805 22 10V X7R 10%		C43, C44, C83, C84	C0805	CMP-001-0039-3	4
CERCAP 0805 10 50V X7R 10%		C46, C47	C0805	CMP-001-0039-4	2
CERCAP 0805 27p 50V X7R 10%		C49, C50	C0805	CMP-001-0039-3	2
RP-2012		D1, D2, D3, D4	LED 0805	CMP-001-0181-3	4
DNP		FP1, R36, R38, R39	R0805	CMP-001-0069-5	3
CDRH127		L1, L6	CDRH127	CMP-001-0158-2	2
60uH		L2, L5	Sumida, CD54NP- 470LC 0	CMP-ROOT-00042-1	2
220uH		L3	Sumida, CD54NP- 470LC 0	CMP-ROOT-00042-1	1
1uH		L4	Sumida, CD54NP- 470LC 0	CMP-ROOT-00042-1	1
RES 0805 7K5 1%		R1	R0805	CMP-001-0069-5	1
RES 0805 5.10E 1%		R2	R0805	CMP-001-0069-5	1
RES 0805 10K 5%		R3	R0805	CMP-001-0069-5	1
RES 0805 10K 1%		R4	R0805	CMP-001-0069-5	1
RES 0805 1K 1%		R5, R13, R14A, R14B, R16A, R16B, R18A, R18B, R21, R23A, R23B, R24	R0805	CMP-001-0069-5	12
RES 0805 330E 5%		R6	R0805	CMP-001-0069-5	1
RES 0805 15K 1%		R7	R0805	CMP-001-0069-5	1
RES 0805 3K5 1%		R8	R0805	CMP-001-0069-5	1
RES 0805 1K 5%		R9, R11, R25, R34	R0805	CMP-001-0069-5	4
RES 0805 5.10E 5%		R10	R0805	CMP-001-0069-5	1
RES 0805 5.1E 1%		R12	R0805	CMP-001-0069-5	1
RES 0805 2E2 1%		R15A, R15B, R20A, R20B	R0805	CMP-001-0069-5	4
RES 0805 10E 1%		R17A, R17B, R19A, R19B	R0805	CMP-001-0069-5	4
RES 0805 0.1E 5%		R22A, R22B, R35	R0805	CMP-001-0069-5	3
RES 0805 178K 1%		R26	R0805	CMP-001-0069-5	1
RES 0805 0.1E 1%		R27	R0805	CMP-001-0069-5	1
RES 0805 544G 1%		R28	R0805	CMP-001-0069-5	1
RES 0805 25K2 1%		R29	R0805	CMP-001-0069-5	1
RES 0805 2K2 5%		R30, R33	R0805	CMP-001-0069-5	2
RES 0805 1.02E 5%		R31	R0805	CMP-001-0069-5	1
RES 0805 1.00E 5%		R32	R0805	CMP-001-0069-5	1
RES 0805 1M 5%		R37	R0805	CMP-001-0069-5	1
PIN2 54		TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17	PIN2.5	CMP-001-0195-1	17
ADA4898-2YRD-EBZ	Evaluation Board For High Voltage, Low Noise, Low Distortion, Unity- Gain Stable, High Speed Op Amp	U1, U3	SOIC8	CMP-001-0896-2	2
INA848DR		U2, U7	Texas_Instruments_D 0009A IPC_A	CMP-145-000000-1	2
REF5000		U4	SOIC8	CMP-001-0200-2	1
AD5293BRUZ-20-RL7		U5	Analog_Devicis_Inc_ RU-14 0	CMP-147-000000-1	1
ADA4898-1YRD-EBZ	High Voltage, Low Noise, Low Distortion, Unity-gain Stable.	U6, U10	SOIC8	CMP-ROOT-0001-2	2
ADS8908RGER		U8A, U8B	Texas_Instruments_V QNZ24 0	CMP-126-000001-1	2
TH5455JDSGT		U8A, U8B	Texas_Instruments_D GK0009A IPC_A	CMP-143-000000-1	2
OPA350		U11	SOIC8	CMP-001-0121-2	1
TPS52080ADSGT		U12	Texas_Instruments_D SG0008A MFG	CMP-154-000000-1	1
REF5040	Precision Micropower, Low Dropout Voltage Reference, 4.096 V Output, 3.4 to 15 V Supply, Industrial, 8- pin SOIC (8-B, Tube)	U13	ADI-R-8_N	CMP-009-0530-3	1
TMS320F28379SPZPS	MCU 320Bit Delfino 72837x C28x RISC 1MB Flash 1.2V/3.3V 300-Pin HALQFP EP	U14	IC_TFP401AIF2PRQ1	CMP-ROOT-00043-1	1
SN694VDT200		U15	SOIC8	CMP-001-0387-1	1
ITAG_A8M		U16	BM07B-SRSS-TB	CMP-001-0237-1	1
ESDA14V2L	TVS DIODE 12V SOT23 2	VD1	SOT23	CMP-ROOT-00000-1	1
BAT54S		VD2A, VD2B, VD3	SOT23	CMP-001-0090-1	3
WF-2 KLS		X1	WF-2	CMP-019-0002-1	1
J-215079-8		X2	7-215079-8	CMP-001-0315-1	1
J-215079-4		X3	7-215079-4	CMP-001-0313-1	1
HC495M-16-30-50-60- 16-ATF - CRYSTAL	MULTICOMP - HC495M-16-30-50-60- 16-ATF - CRYSTAL, HC- 49/495M4, 15.0MHz	ZQ1	HC-495M	CMP-001-0172-2	1