

A

B

C

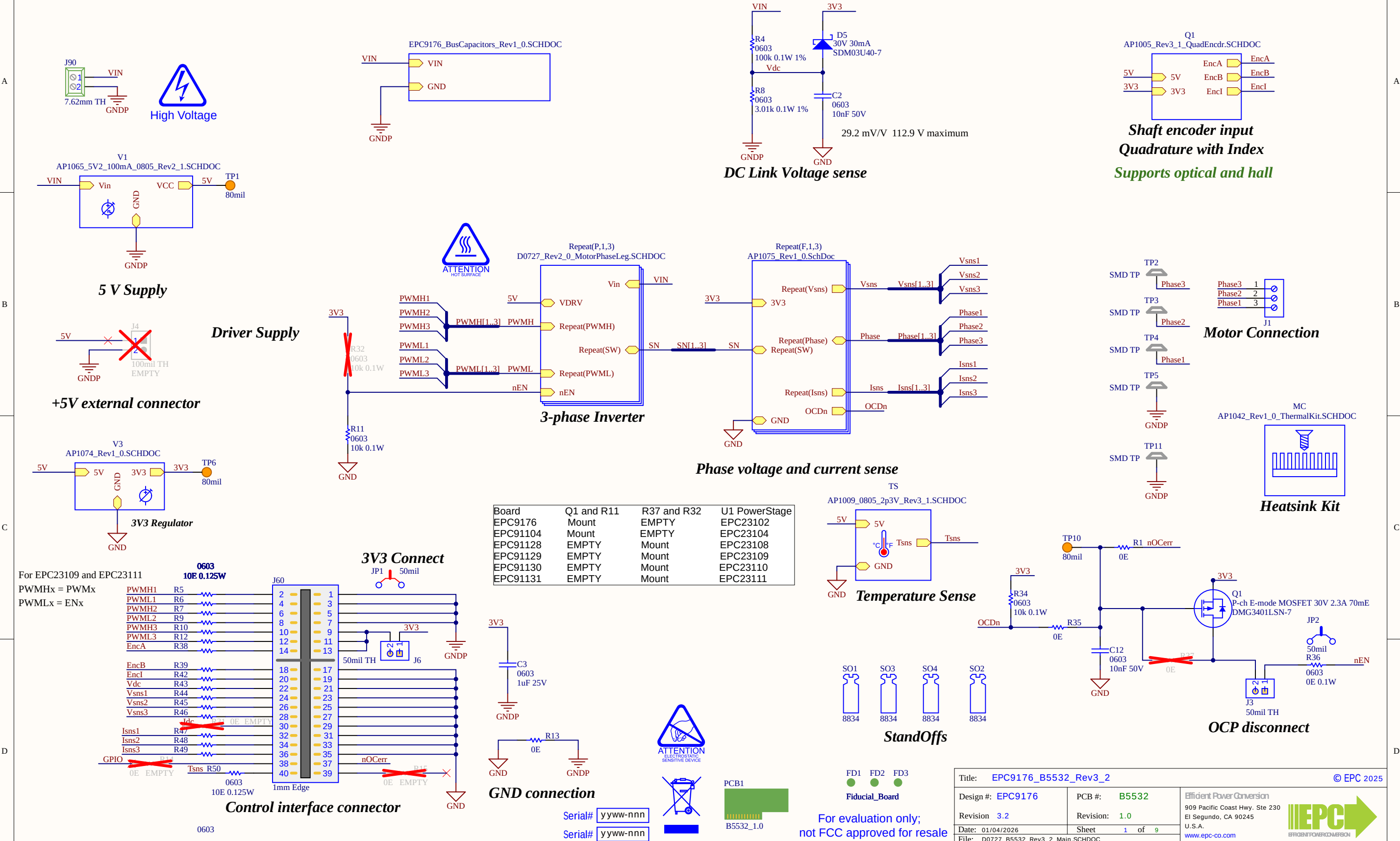
D

A

B

C

D



Board	Q1 and R11	R37 and R32	U1 PowerStage
EPC9176	Mount	EMPTY	EPC23102
EPC91104	Mount	EMPTY	EPC23104
EPC91128	EMPTY	Mount	EPC23108
EPC91129	EMPTY	Mount	EPC23109
EPC91130	EMPTY	Mount	EPC23110
EPC91131	EMPTY	Mount	EPC23111

Title: EPC9176_B5532_Rev3_2

Design #: EPC9176

Revision 3.2

Date: 01/04/2026

File: D0727_B5532_Rev3_2_Main.SCHDOC

PCB #: B5532

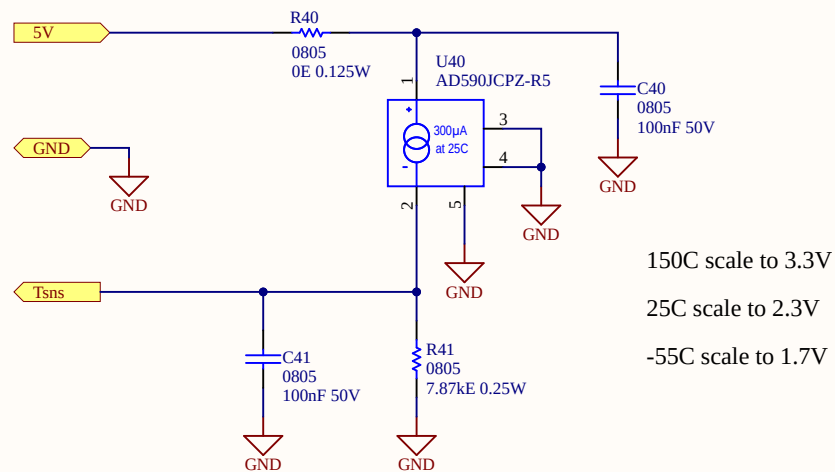
Revision: 1.0

Sheet 1 of 9

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Title: Temperature sense using AD590 - 0805 components

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Design #: AP1009_0805_2p3V

Revision 3.1

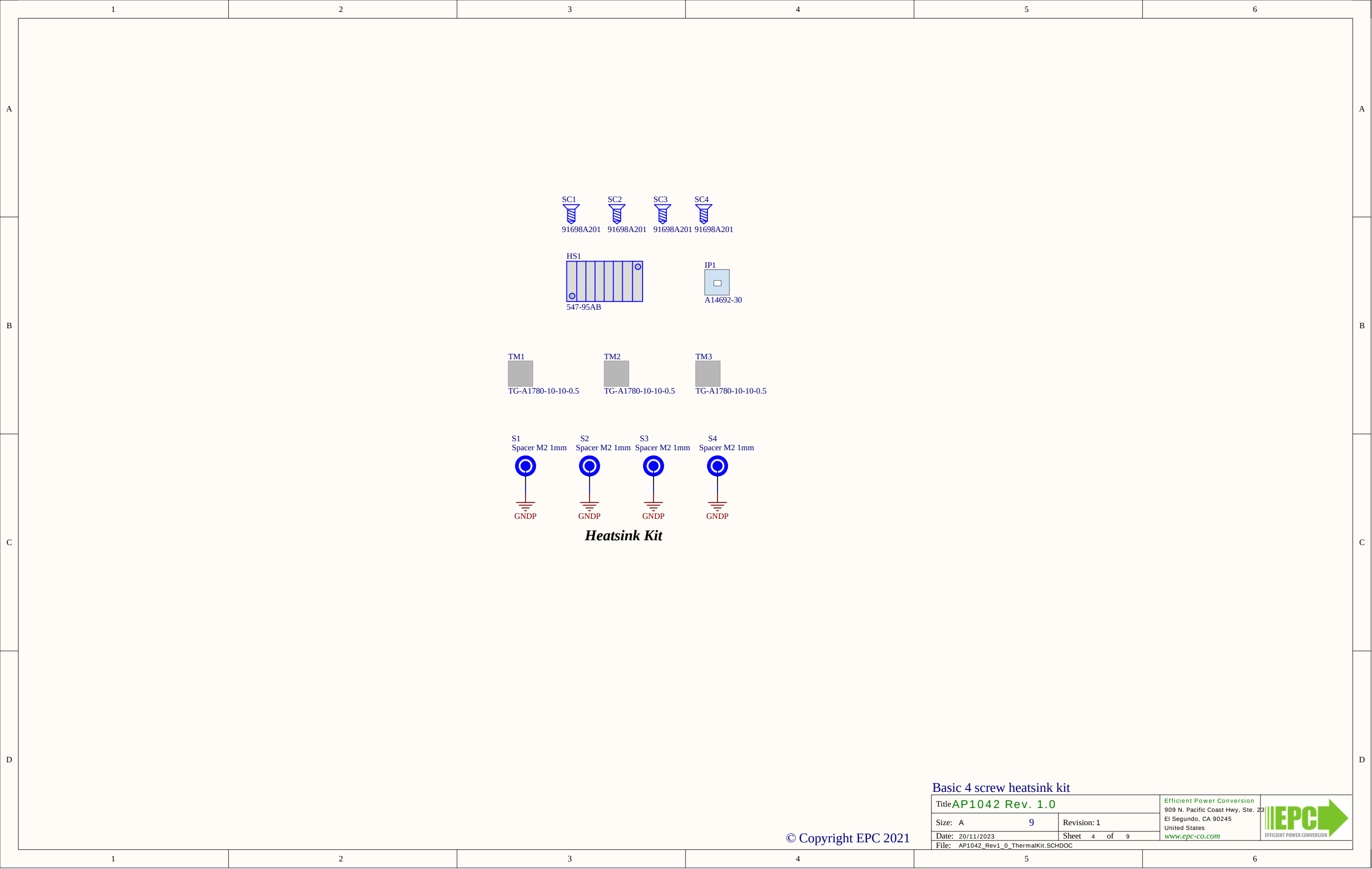
Date: 28/05/2024

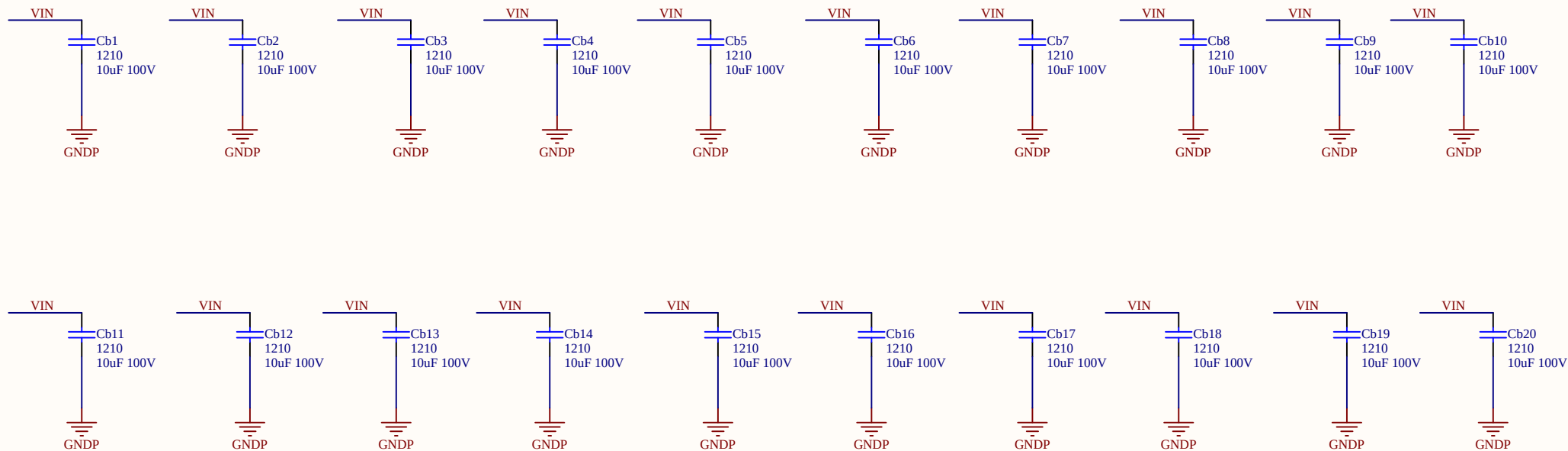
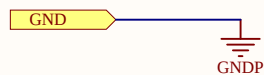
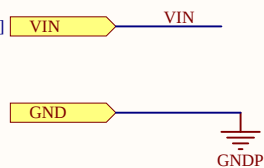
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DC Bus Capacitors

Title: EPC9176_BusCapacitors		© EPC 2023	
Design #: *		Efficient Power Conversion 909 Pacific Coast Hwy. Ste 230 El Segundo, CA 90245 U.S.A. www.epc-co.com 	
Revision 1.1			
Date: 01/12/2023	Sheet 5 of 9		
File: EPC9176_BusCapacitors_Rev1.0.SCHDOC			

Design #: *		Efficient Power Conversion		
Revision 1.1		909 Pacific Coast Hwy. Ste 230 El Segundo, CA 90245		
Date: 01/12/2023	Sheet 5 of 9	U.S.A.		
File: EPC9176_BusCapacitors_Rev1_0.SCHDOC		www.epc-co.com		

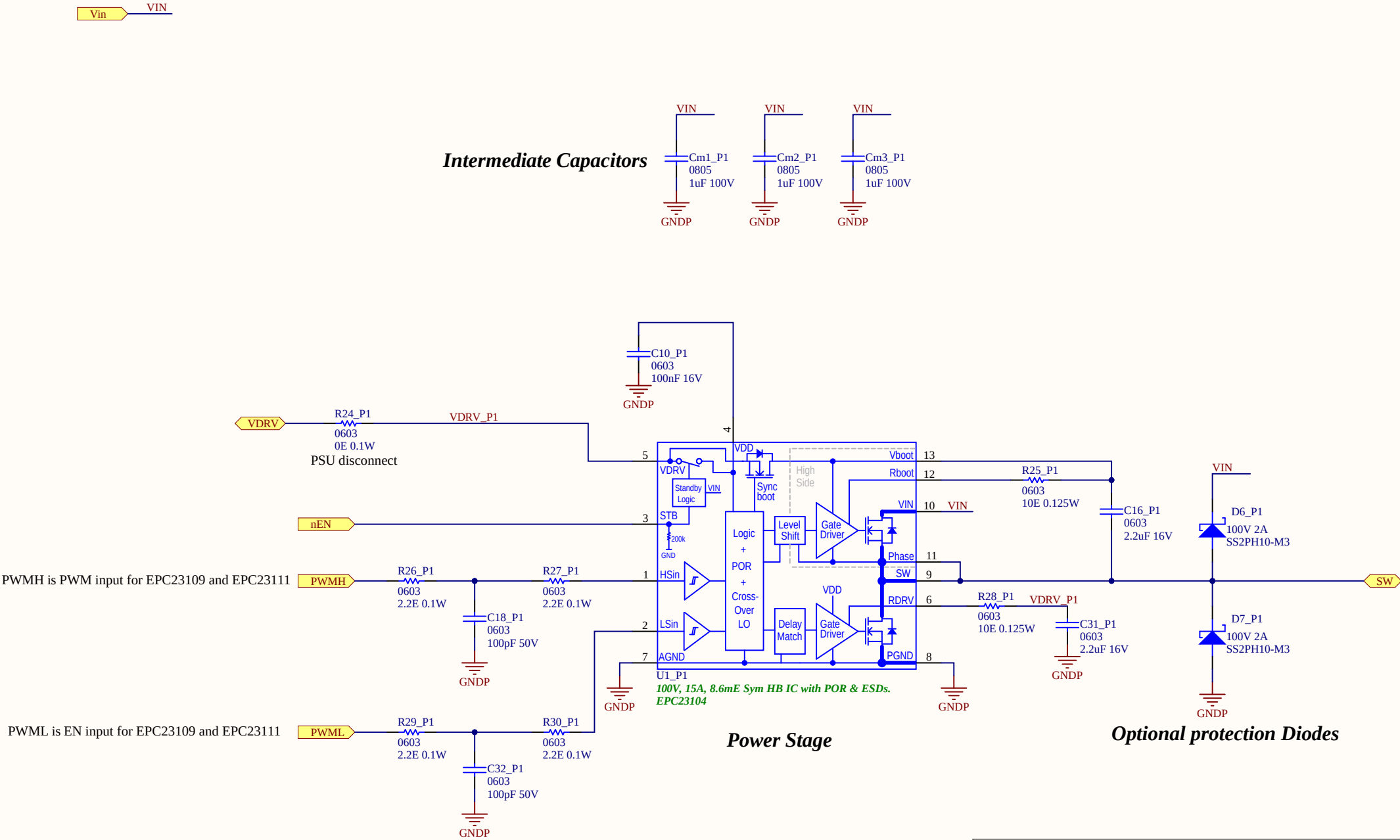
Revision 1.1		905 Pacific Coast Hwy., Ste 230 El Segundo, CA 90245 U.S.A. www.epc-co.com	
Date: 01/12/2023	Sheet 5 of 9		
File: EPC9176_BusCapacitors_Rev1.0.SCHDOC			

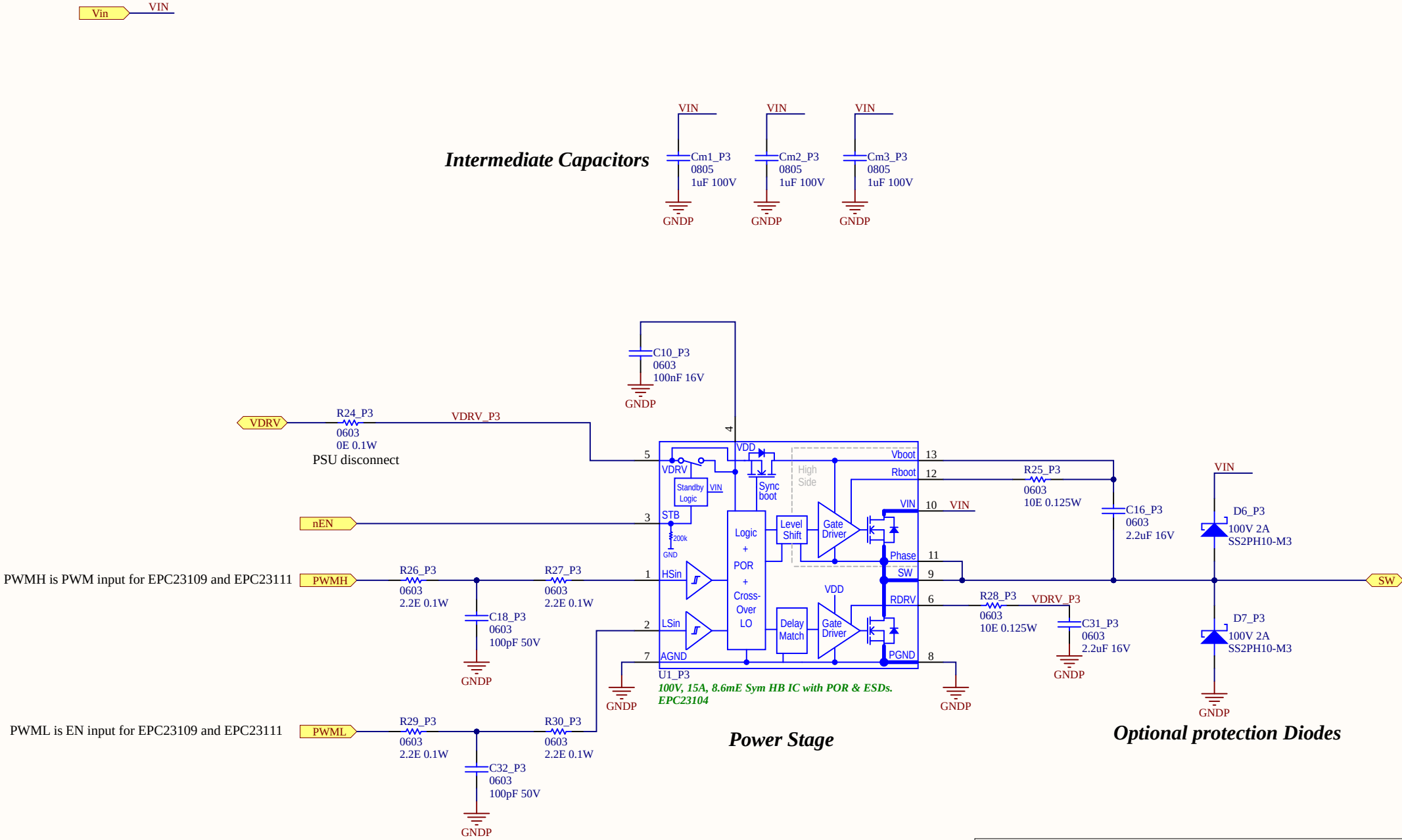
Date: 01/12/2023	Sheet 5 of 9	U.S.A.	 EFFICIENT POWER CONVERSION
File: EPC9176_BusCapacitors_Rev1_0.SCHDOC		www.epc-co.com	

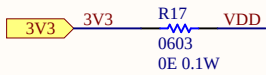
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Design #: *		Efficient Power Conversion		
Revision 1.1		909 Pacific Coast Hwy. Ste 230 El Segundo, CA 90245		
Date: 01/12/2023	Sheet 5 of 9	U.S.A.		
File: EPC9176_BusCapacitors_Rev1_0.SCHDOC		www.epc-co.com		



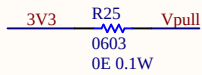
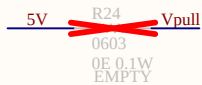




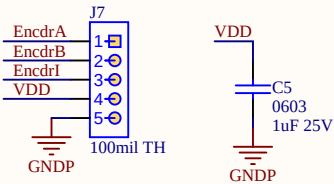


Default = 3.3V

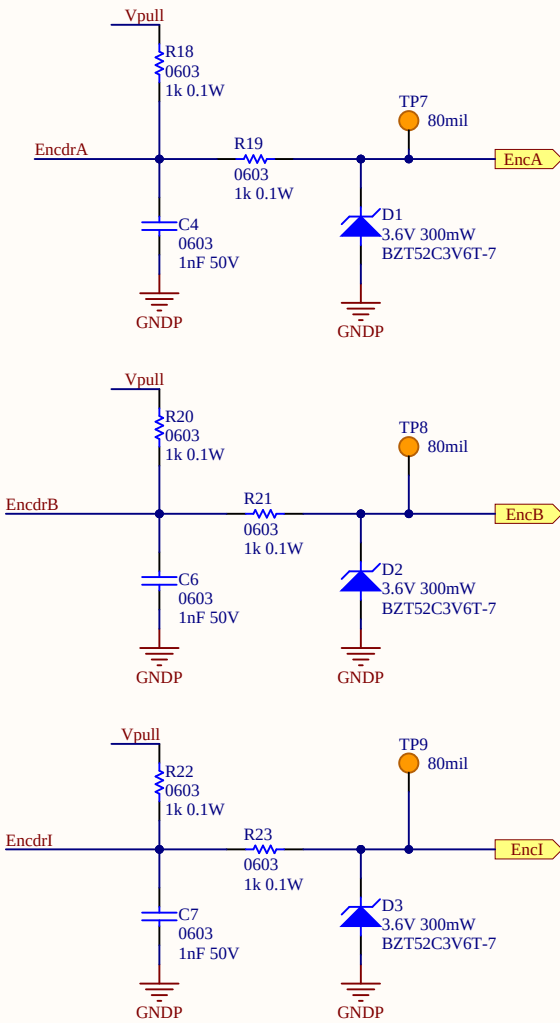
Sensors supply Voltage selection

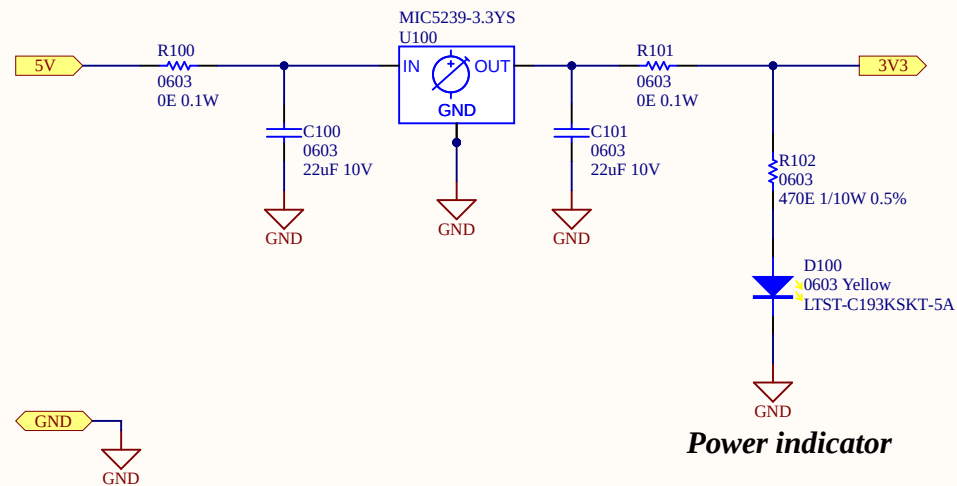


Pull Up Voltage for microcontroller input signals



Shaft encoder connection
Quadrature with Index
Supports optical and hall





Title: 5V to 3V3 500mA LDO using MIC5239-3.3YS

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Design #: AP1074

Revision 1.0

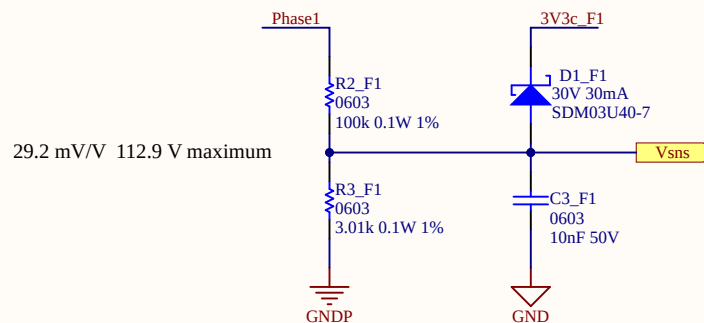
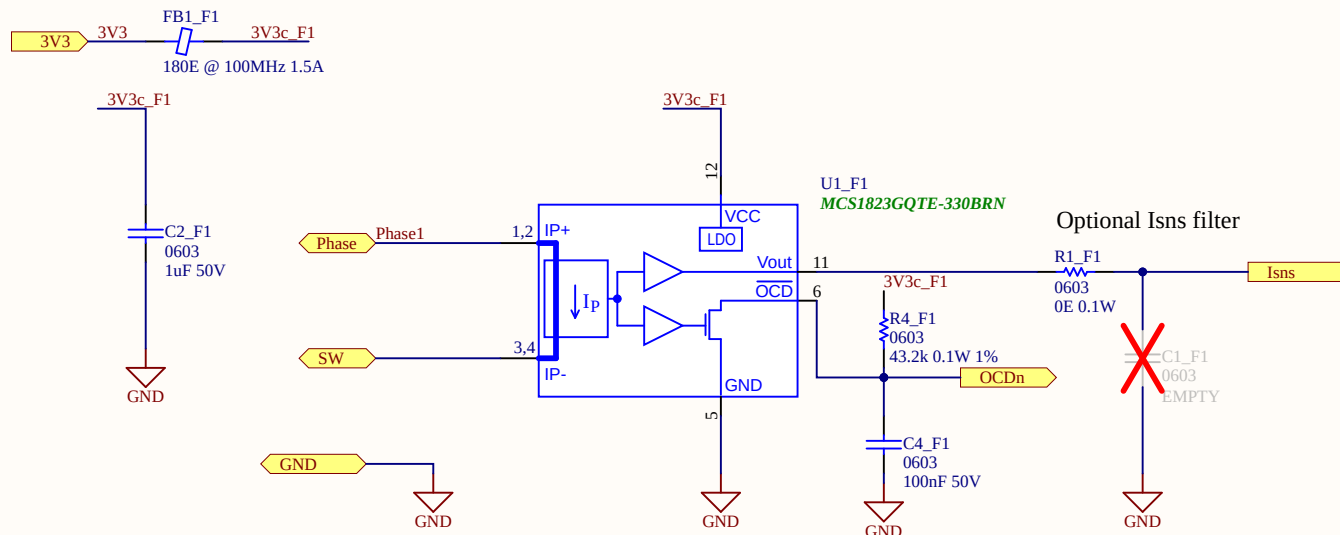
Date: 29/07/2025

File: AP1074_Rev1_0.SCHDOC

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Phase Voltage sense

112.9 V scale to 3.3V

Title: Bidirectional current sense using Hall effect sensor MCS1823

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Design #: AP1075

Revision 1.0

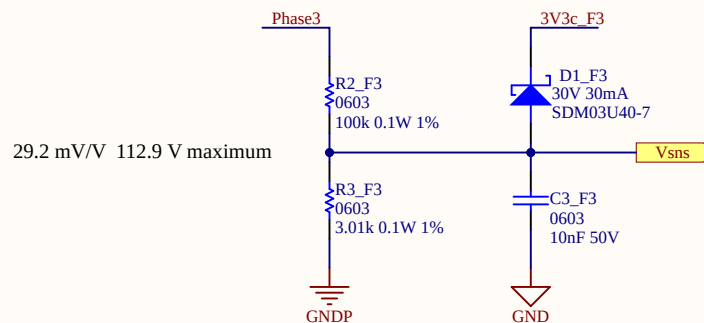
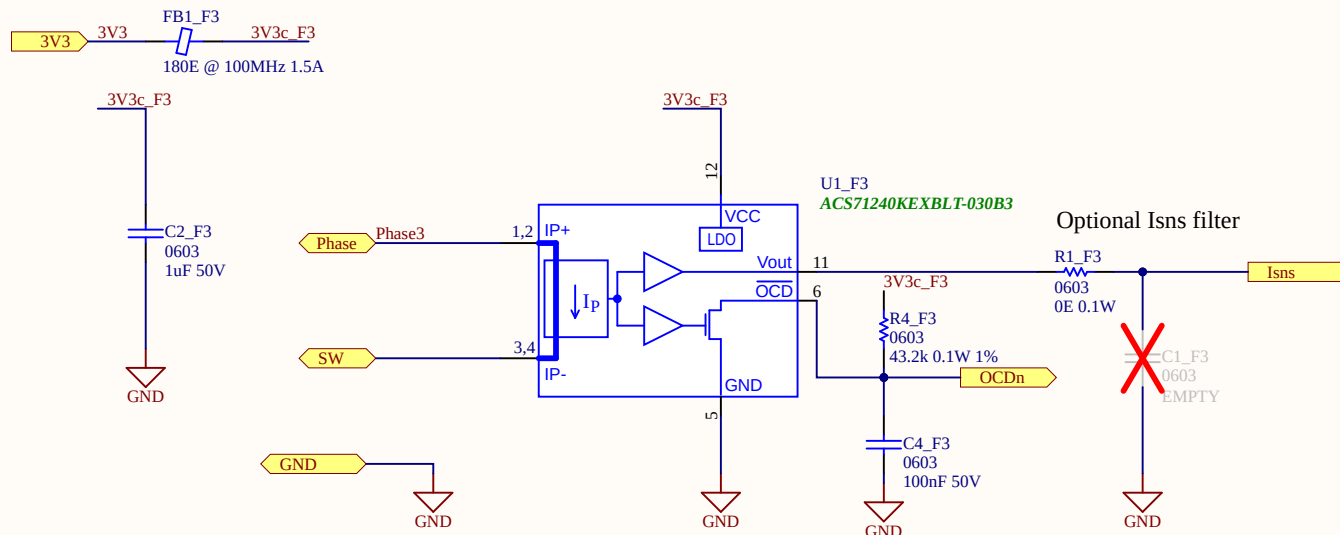
Date: 01/04/2026

File: AP1075_Rev1_0.SchDoc

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Phase Voltage sense

112.9 V scale to 3.3V

Title: Bidirectional current sense using Hall effect sensor MCS1823

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Design #: AP1075

Revision 1.0

Date: 01/04/2026

File: AP1075_Rev1_0.SchDoc

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