

# Bill of Materials (BOM)

Project: current\_probe

Version: 11.10.2023

Item	Qty	Designators	Value	Footprint	DNP	Part Number
1	1	C1	CFB	Capacitor_SMD:C_0603_1608Metric	DNP	
2	1	C2	CSH	Capacitor_SMD:C_0603_1608Metric	DNP	
3	2	C3, C10	100p	Capacitor_SMD:C_0603_1608Metric	DNP	
4	11	C4, C5, C6, C7, C8, C9, C12, C14, C16, C18, C20	100n	Capacitor_SMD:C_0603_1608Metric		CL10B104KB8WPNC
5	8	C11, C13, C15, C17, C19, C24, C29, C30	1n	Capacitor_SMD:C_0603_1608Metric		CL10B102KB8WPNC
6	4	C21, C27, C28, C32	10u	Capacitor_SMD:C_0805_2012Metric		GCM21BR71A106KE22L
7	3	C22, C31, C33	1u	Capacitor_SMD:C_0805_2012Metric		GCM21BR71H105MA03L
8	1	C23	10n	Capacitor_SMD:C_0603_1608Metric		CL10B103KB8WPNC
9	1	C25	330n	Capacitor_SMD:C_0603_1608Metric		CGA3E3X7R1H334K080AB
10	1	C26	47n	Capacitor_SMD:C_0603_1608Metric		CGA3E2X7R1H473K080AA
11	1	D1	2.5 pF	Diode_SMD:D_0603_1608Metric		GG0603052R542P
12	1	D2	D_Schottky	Diode_SMD:D_SMA		SK510A-LTP
13	1	D3	GREEN	LED_SMD:LED_0805_2012Metric		SML-LXT0805GW-TR
14	1	F1	300 mA	Fuse:Fuse_0805_2012Metric		0805L010/24YR
15	3	FB1, FB2, FB3	22	Inductor_SMD:L_0603_1608Metric		BLM18SD220SN1D
16	4	FB4, FB5, FB6, FB7	2k2	Inductor_SMD:L_0603_1608Metric		BLM18BD222SZ1D
17	1	J1	SMA	Connector_Coaxial:SMA_Amphenol_132289_EdgeMount		132289RP
18	1	J2	Conn_01x02_Pin	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Horizontal	DNP	
19	1	J3	Conn_01x05_Pin	Connector_PinHeader_2.54mm:PinHeader_1x05_P2.54mm_Vertical		61300511121
20	2	L1, L2	100u	Inductor_SMD:L_0805_2012Metric		MLZ2012N101LT000
21	1	L3	6u8	Inductor_SMD:L_0805_2012Metric		MLZ2012N6R8LT000
22	1	PS1	RO-3.309S	Converter_DCDC:Converter_DCDC_Murata_MEE1SxxxxSC_THT		RO-3.309S
23	1	R1	RFB	Resistor_SMD:R_0603_1608Metric	DNP	
24	4	R2, R3, R8, R9	R	Resistor_SMD:R_0603_1608Metric	DNP	
25	2	R4, R7	100	Resistor_SMD:R_0603_1608Metric		RS73F1JTDD1000B
26	2	R5, R6	237	Resistor_SMD:R_0603_1608Metric		ERJ-PB3B2370V
27	1	R10	12k	Resistor_SMD:R_0603_1608Metric		AC0603FR-0712KL
28	1	R11	3k	Potentiometer_THT:Potentiometer_Bourns_3296Y_Vertical		3296Y-1-302LF
29	1	R12	RCLMP	Resistor_SMD:R_0603_1608Metric	DNP	
30	1	R13	330	Resistor_SMD:R_0603_1608Metric		RMCF0603FT330R
31	5	TP1, TP2, TP3, TP4, TP5	TestPoint	TestPoint:TestPoint_Loop_D1.80mm_Drill1.0mm_Beaded		5001
32	1	TR1	ADTT1-6+	RF_Mini-Circuits:Mini-Circuits_CD637_H5.23mm		ADTT1-6+
33	1	U1	AD8331ARQZ	current_probe:RQ_20_ADI-L		AD8331ARQZ
34	1	U2	ADM7150ARDZ-5.0	Package_SO:SOIC-8-1EP_3.9x4.9mm_P1.27mm_EP2.29x3mm		ADM7150ARDZ-5.0