Bill of Materials (BOM)

Project: current_probe
Version: 07.10.2023

Item	Qty	Designators	Value	Footprint	DNP
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	
5	8	C11, C13, C15, C17, C19, C24, C29, C30	1n	Capacitor_SMD:C_0603_1608Metric	
6	4	C21, C27, C28, C33	10u	Capacitor_SMD:C_0805_2012Metric	
7	3	C22, C31, C32	1u	Capacitor_SMD:C_0805_2012Metric	
8	1	C23	10n	Capacitor_SMD:C_0603_1608Metric	
9	1	C25	330n	Capacitor_SMD:C_0603_1608Metric	
10	1	C26	47n	Capacitor_SMD:C_0603_1608Metric	
11	1	D1	EZA-EG2N50AX	Diode_SMD:D_0603_1608Metric	
12	1	D2	D_Schottky	Diode_SMD:D_SMA	
13	1	D3	LED	LED_SMD:LED_0805_2012Metric	
14	1	F1	250mA	Fuse:Fuse_0805_2012Metric	
15	7	FB1, FB2, FB3, FB4, FB5, FB6, FB7	BLM21	Inductor_SMD:L_0603_1608Metric	
16	1	J1	SMA	Connector_Coaxial:SMA_Amphenol_132289_EdgeMount	DNP
17	1	J2	Conn_01x02_Pin	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Horizontal	
18	1	J3	Conn_01x05_Pin	Connector_PinHeader_2.54mm:PinHeader_1x05_P2.54mm_Vertical	
19	2	JP1, JP2	SolderJumper_3_Bridged12	Jumper:SolderJumper-3_P1.3mm_Bridged12_Pad1.0x1.5mm	
20	2	L1, L2	100u	Inductor_SMD:L_0805_2012Metric	
21	1	L3	6u8	Inductor_SMD:L_0805_2012Metric	
22	1	PS1	RO-3.309S	Converter_DCDC:Converter_DCDC_Murata_MEE1SxxxxSC_THT	
23	4	R1, R2, R6, R7	R	Resistor_SMD:R_0603_1608Metric	DNP
24	1	R3	RFB	Resistor_SMD:R_0603_1608Metric	DNP
25	3	R4, R5, R11	330	Resistor_SMD:R_0603_1608Metric	
26	1	R8	4k7	Resistor_SMD:R_0603_1608Metric	
27	1	R9	4k7	Potentiometer_THT:Potentiometer_Bourns_3296Y_Vertical	
28	1	R10	RCLMP	Resistor_SMD:R_0603_1608Metric	DNP
29	2	R12, R13	237	Resistor_SMD:R_0603_1608Metric	
30	2	TP1, TP4	Keystone 5001	TestPoint:TestPoint_Loop_D1.80mm_Drill1.0mm_Beaded	
31	2	TP2, TP3	Keystone 5001	TestPoint:TestPoint_Keystone_5000-5004_Miniature	
32	1	TR1	ADTT1-6	RF_Mini-Circuits:Mini-Circuits_CD637_H5.23mm	
33	1	U1	AD8331ARQZ	current_probe:RQ_20_ADI-L	
34	1	U2	ADR510ARTZ	Package_TO_SOT_SMD:SOT-23	
35	1	U3	ADM7150ARDZ-5.0	Package_SO:SOIC-8-1EP_3.9x4.9mm_P1.27mm_EP2.29x3mm	