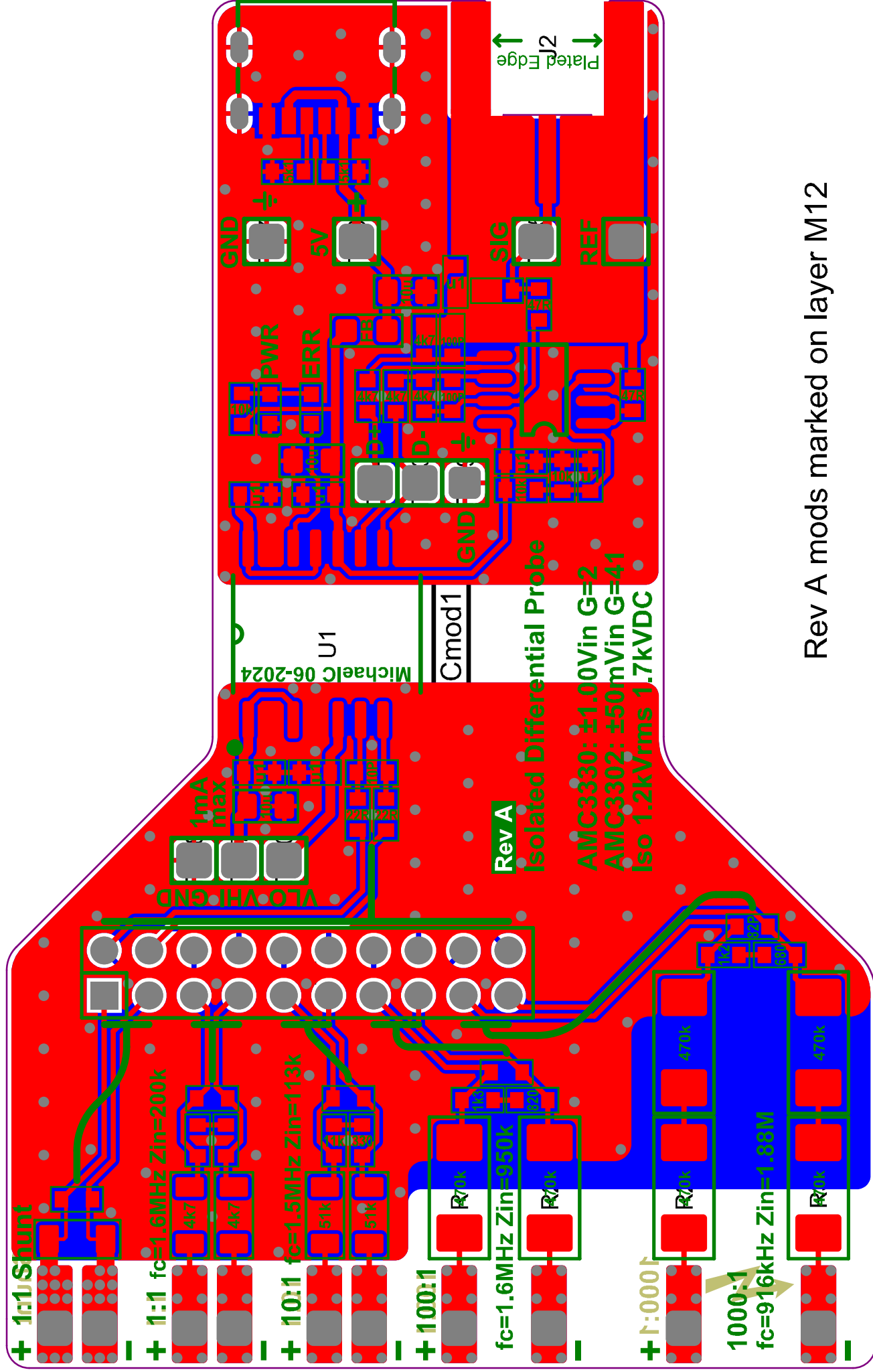


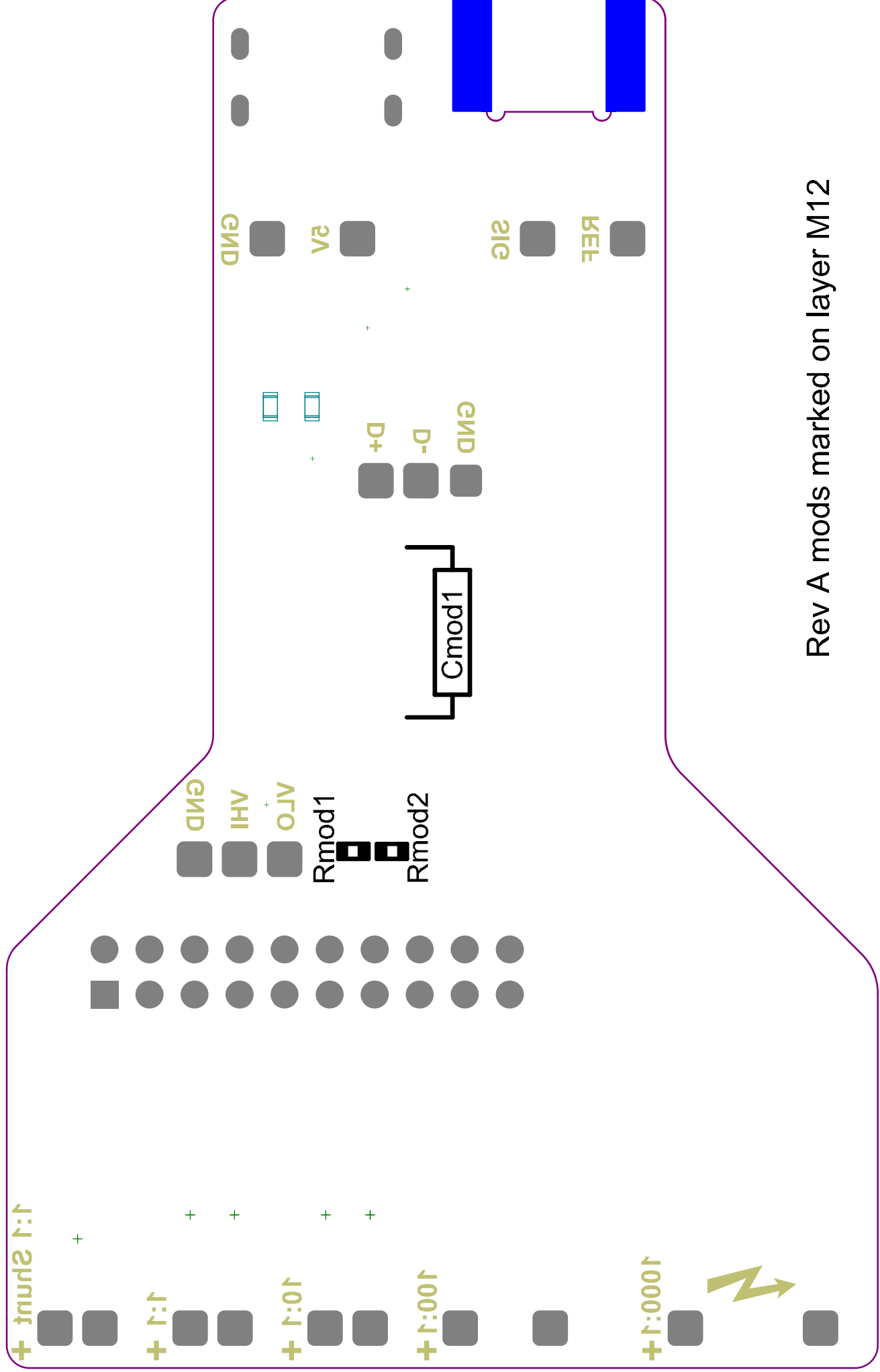
Isolated Differential Probe

Suggested MELF (470k) is Vishay MMB0207MC4703F. Other components without specific MPN are non-critical, frontend R's and OpAmp 4k7 should be 1%.

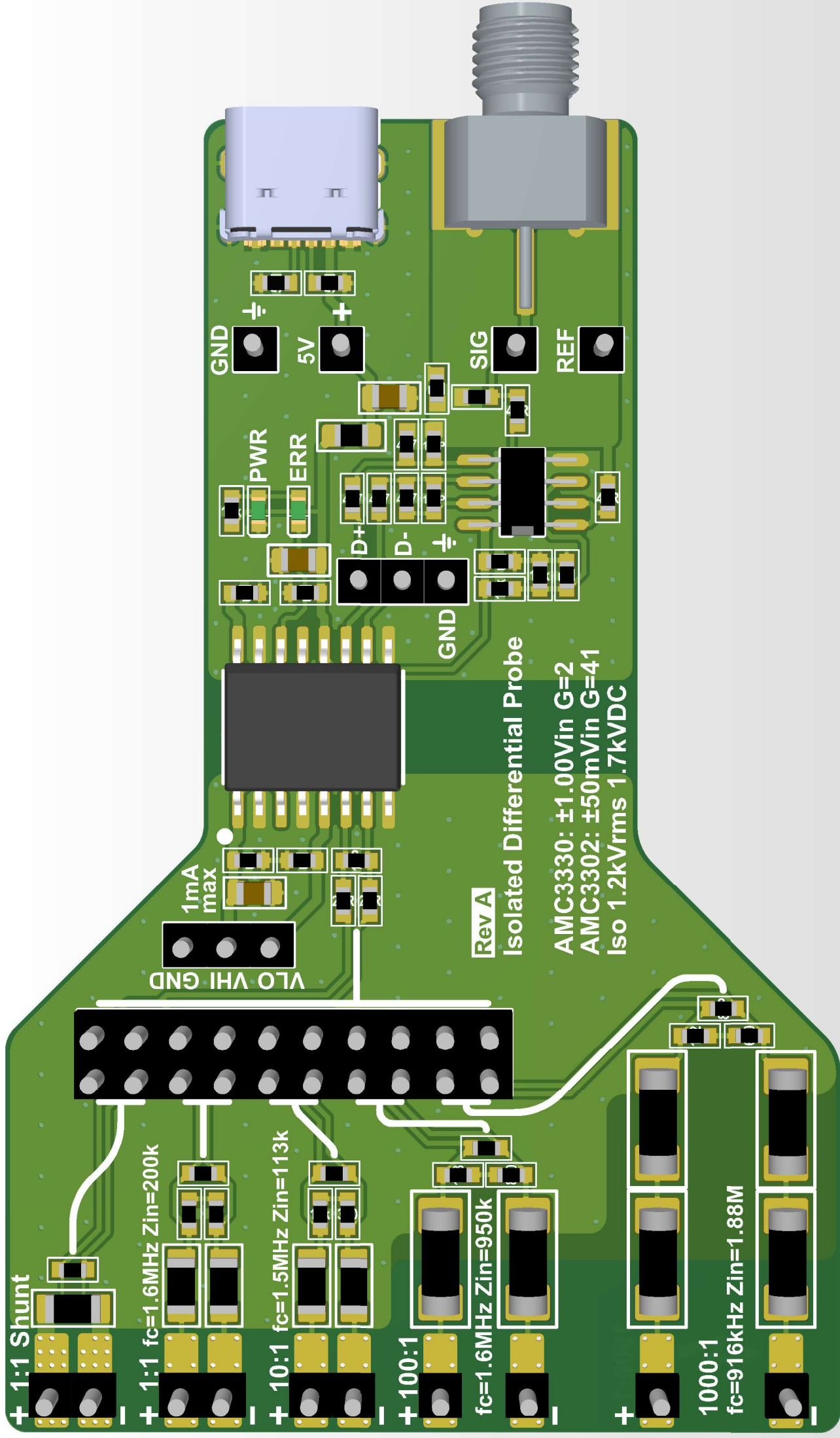
Size	Number	Revision
A3		A1
Date:	11/08/2024	
File:	C:\Users\jalso\OneDrive\Probe Sch	Sheet 1 of 1
Doc:	Doc:	Drawn By: Michael



Rev A mods marked on layer M12



Rev A mods marked on layer M12



Comment	Description	Footprint	LibRef	Designator	Quantity
NF	Capacitor - S/M, Resistor - S/M	0603	CAP-STD-SM, RES-SM	C1, C2, C9, C13, C14, R4, R5	7
100nF	Capacitor - S/M	0603	CAP-STD-SM	C3, C5, C6, C10, C16, C17, C18	7
10uF / 25V	Capacitor - S/M	0805_cap_Rounded	CAP-STD-SM	C4, C7, C8	3
10pF	Capacitor - S/M	0603	CAP-STD-SM	C11	1
100pF	Capacitor - S/M	0603	CAP-STD-SM	C12, C15	2
82pF	Capacitor - S/M	0603	CAP-STD-SM	C19	1
1nFY1	Capacitor - Through Hole	PAD0.4Y1	CAP-STD-TH	Onod1	1
RED		LED-0603	LED	D1	1
GRN		LED-0603	LED	D2	1
USB C6-Pin	USB Type C Receptacle Power Only (6 pin)	USB-C_6pin_Conn	USB-C_6pin	J1	1
SMA Conn	SMA connector, mid- mount	SMA_SMD	SMA_SMD	J2	1
PBY201209T-601Y4N	Ferrite Bead VMECBF, Z = 600 Ohm	0805_Rounded	742792651	L1	1
Header 10X2	Header, 10-Pin, Dual row	IDC20	Header 10X2	P1	1
0R01	Resistor - S/M	1206	RES-SM	R1	1
4k7	Resistor - S/M	1206	RES-SM	R2, R6	2
10k	Resistor - S/M	0603	RES-SM	R3, R24, R29	3
5k1	Resistor SMD	0603	Res-SMD	R7, R8	2
51k	Resistor - S/M	1206	RES-SM	R9, R14	2
11k	Resistor - S/M	0603	RES-SM	R10	1
220R	Resistor - S/M	0603	RES-SM	R11, R13	2
330R	Resistor - S/M	0603	RES-SM	R12	1
470k	Resistor SMD	MMB0207	Res-SMD	R15, R23, R26, R27, R31, R32	6
4k7	Resistor - S/M	0603	RES-SM	R16, R17, R20, R21	4
47R	Resistor - S/M	0603	RES-SM	R18, R25	2
1k3	Resistor - S/M	0603	RES-SM	R19	1
820R	Resistor - S/M	0603	RES-SM	R22	1
1k2	Resistor - S/M	0603	RES-SM	R28	1
680R	Resistor - S/M	0603	RES-SM	R30	1
1M	Resistor - S/M	0603	RES-SM	Rmod1, Rmod2	2
Test Point	Pad for Test Point	TP	TP	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20	20
AMC33xx	Isolated differential analog sensor	DWA016B	AMC330X	U1	1
OPA2376	PRECISION DUAL OPERATIONAL AMPLIFIER	SO-8	TLC272ID	U2	1