

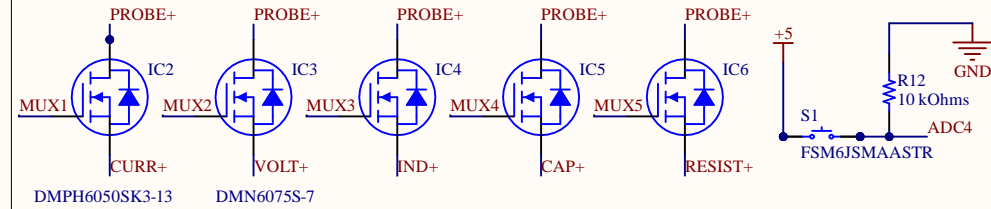
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2

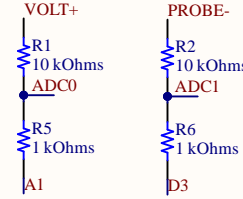
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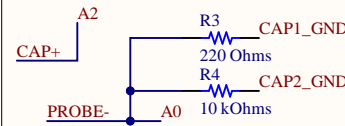
## MODE SELECT MOSFETS AND SWITCHES



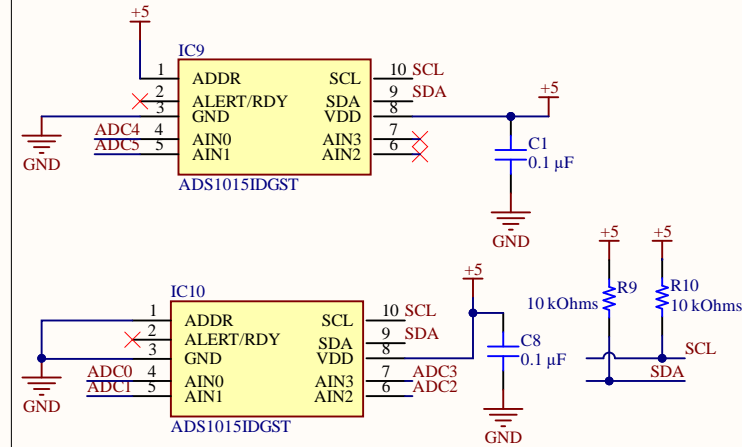
## VOLTAGE



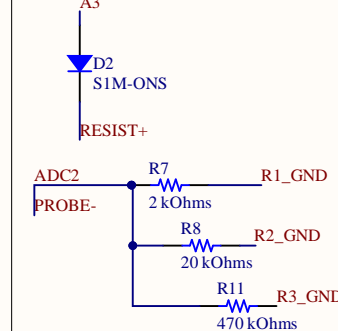
## CAPACITANCE



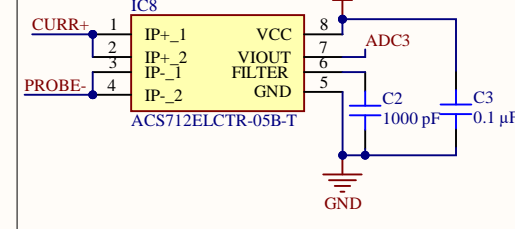
## ANALOG TO DIGITAL CONVERTERS



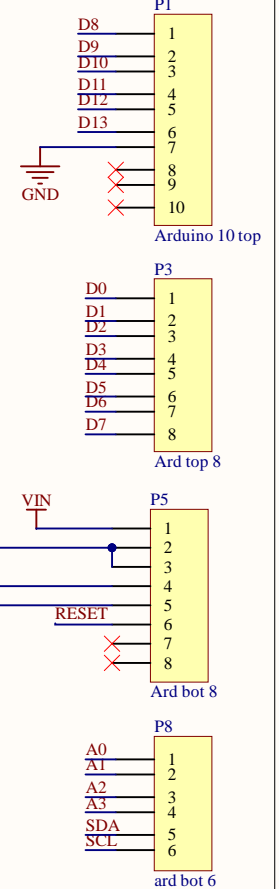
## RESISTANCE



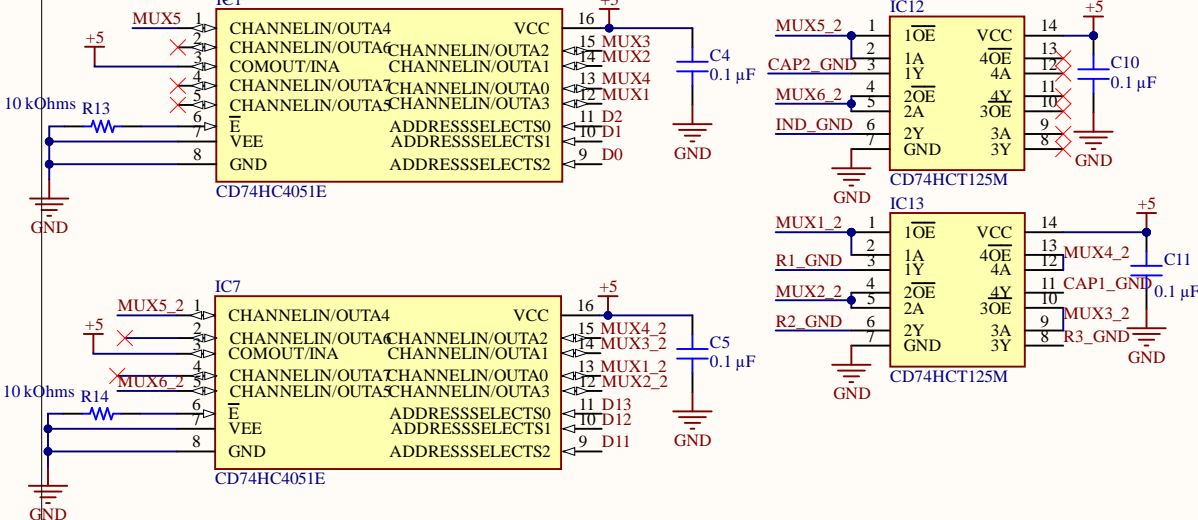
## CURRENT



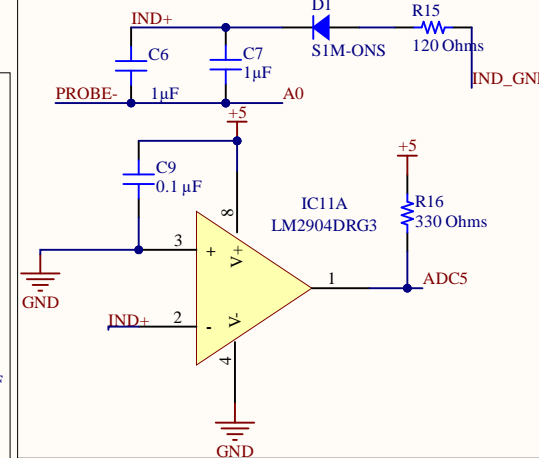
## ARDUINO MOUNT



## DEMULTIPLEXERS &amp; QUAD LINE DRIVERS



## INDUCTANCE



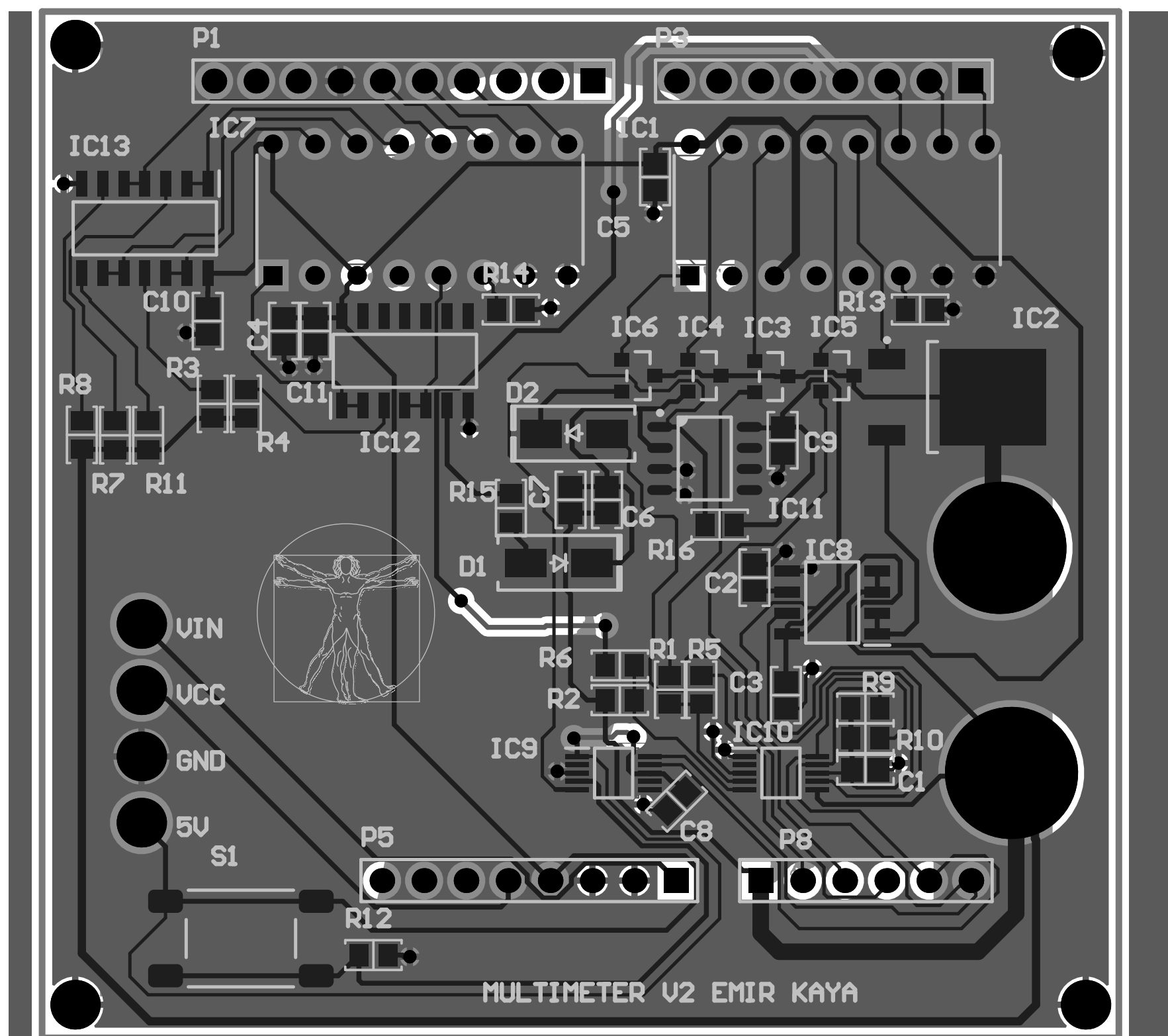
Title		
Size	Number	Revision
A4		
Date:	9/04/2025	Sheet of
File:	C:\Users\...\Main.SchDoc	Drawn By:

1

2

3

4



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1 µF	CAP CER 0.1UF 50V X7R0805	C1, C3, C4, C5, C8, C9, C10, C11	CAP0805_2012	CC0805MRX7R9BB10 4	8
1000 pF	CAP CER 1000PF 200V X7R0805	C2	CAP0805_2012	KGM21NR72D102KT	1
1µF	CAP CER 1UF 10V X7R 0805	C6, C7	CAP0805_2012	MM05ZC105KCZ2A	2
S1M-ONS	DIODE GEN PURP 50V 1A SMA	D1, D2	DO214AC SMA	RS1A	2
CD74HC4051E	Integrated Circuit	IC1, IC7	DIP794W53P254L193 0H508Q16N	CD74HC4051E	2
DMPH6050SK3-13	MOSFET N-CH 800V 1.9A TO252-3	IC2	INFINEON PG-TO 252 GDSFET	IPD80R2K8CEATMA1	1
DMN6075S-7	MOSFET N-CH 60V 2A SOT23	IC3, IC4, IC5, IC6	DIODES SOT-23-3	DMN6075S-7	4
ACS712ELCTR-05B-T	Integrated Circuit	IC8	SOIC127P600X175-8N	ACS712ELCTR-05B-T	1
ADS1015IDGST	Integrated Circuit	IC9, IC10	SOP50P490X110-10N	ADS1015IDGST	2
LM2904DRG3	IC OPAMP GP 2 CIRCUIT 8SOIC	IC11	TI SOIC-8 D	LM2904DRG3	1
CD74HCT125M	Integrated Circuit	IC12, IC13	SOIC127P600X175- 14N	CD74HCT125M	2
Arduino 10 top	Header, 10-Pin	P1	HDR1X10	Header 10	1
Ard top 8	Header, 8-Pin	P3	HDR1X8	Header 8	1
Ard bot 8	Header, 8-Pin	P5	HDR1X8	Header 8	1
ard bot 6	Header, 6-Pin	P8	HDR1X6	Header 6	1
10 kOhms	RES10KOHM0.1% 1/10W0805	R1, R2, R4, R9, R10, R12, R13, R14	RES0805_2012	RNCS0805BKE10K0	8
220 Ohms	RESSMD 220 OHM 1% 0.4W0805	R3	RES0805_2012	ESR10EZPF2200	1
1 kOhms	RES10KOHM0.1% 1/10W0805	R5, R6	RES0805_2012	RNCS0805BKE10K0	2
2 kOhms	RES10KOHM0.1% 1/10W0805	R7	RES0805_2012	RNCS0805BKE10K0	1
20 kOhms	RES10KOHM0.1% 1/10W0805	R8	RES0805_2012	RNCS0805BKE10K0	1
470 kOhms	RES10KOHM0.1% 1/10W0805	R11	RES0805_2012	RNCS0805BKE10K0	1
120 Ohms	RESSMD 120 OHM 1% 1/8W0805	R15	RES0805_2012	ERJ-6ENF1200V	1
330 Ohms	RESSMD 330 OHM 1% 1/2W0805	R16	RES0805_2012	CRCW0805330RFKEA HP	1
FSM6JSMASTR	SWITCH TACTILE SPST- NO 0.05A 24V	S1	TE FSM6JSMA	FSM6JSMASTR	1