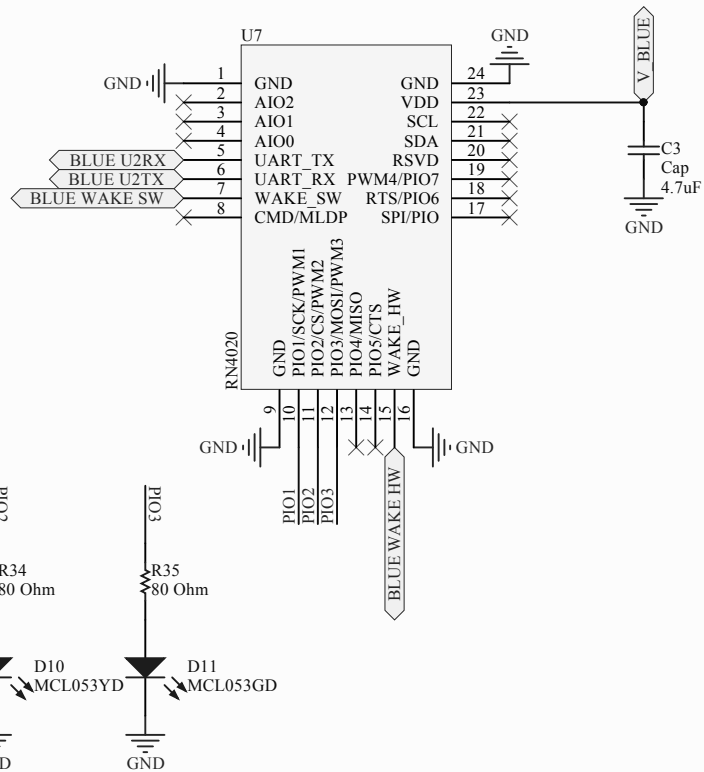
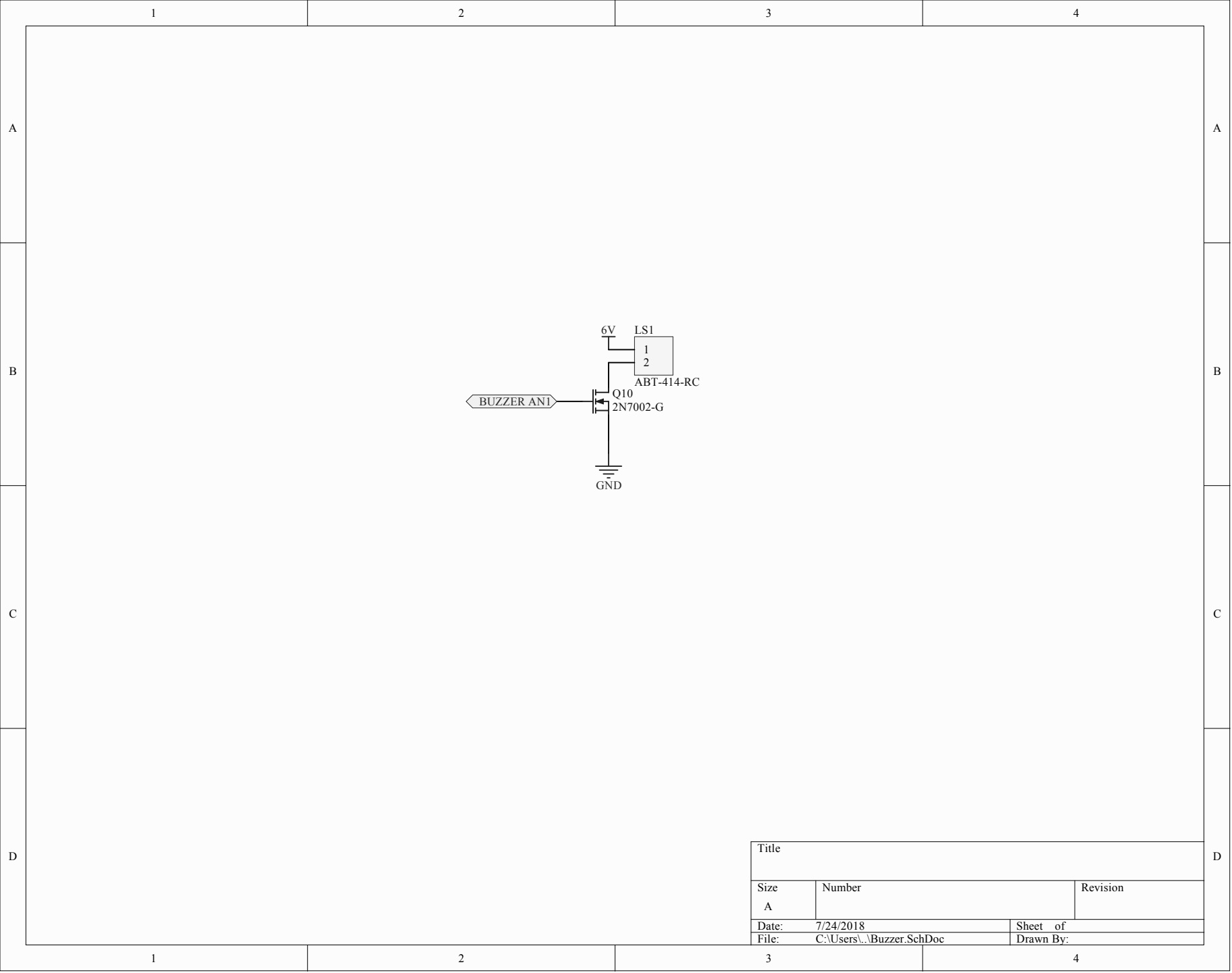
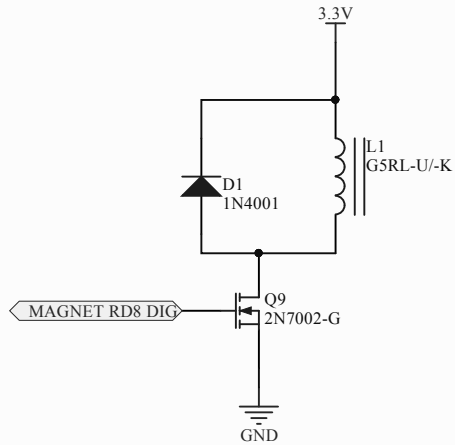


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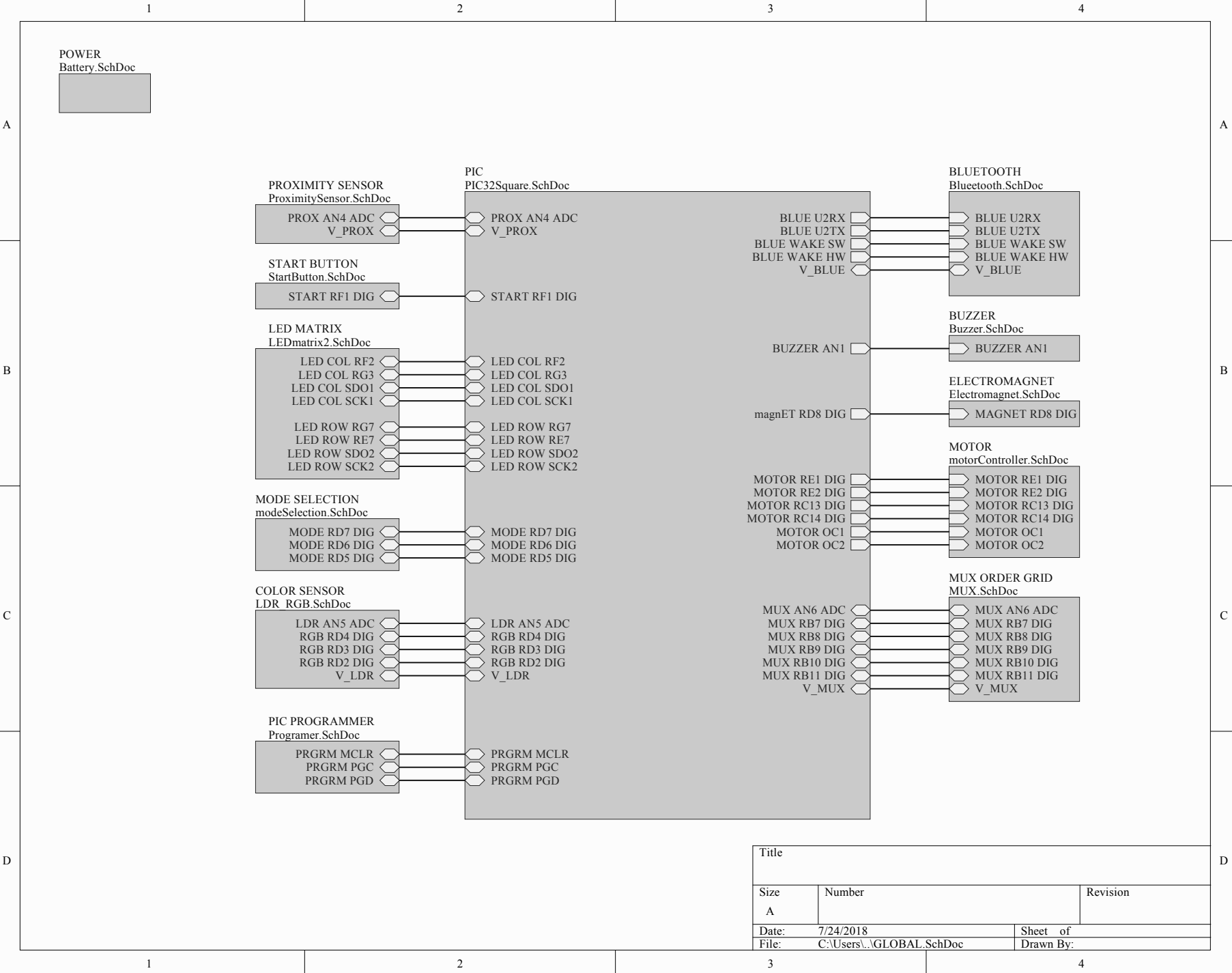


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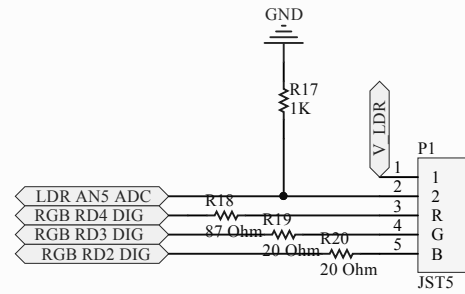




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C

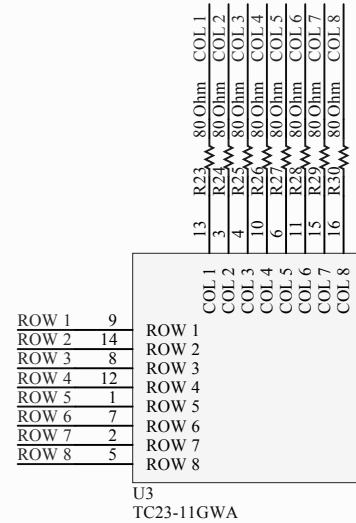
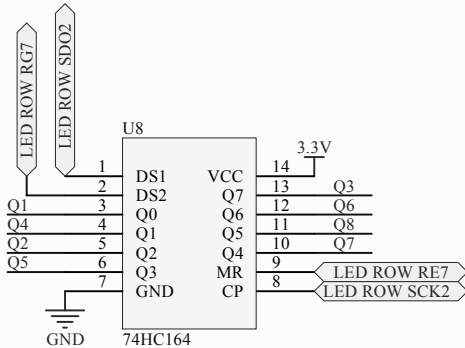
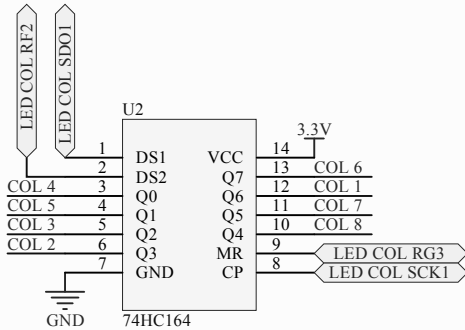
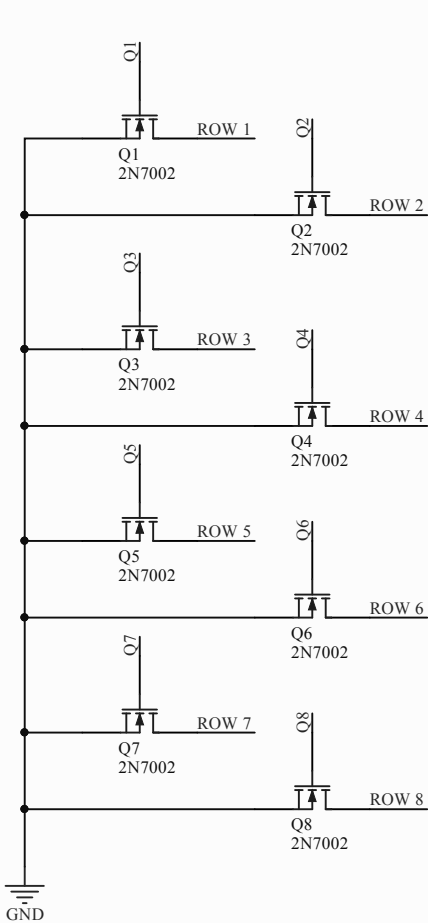
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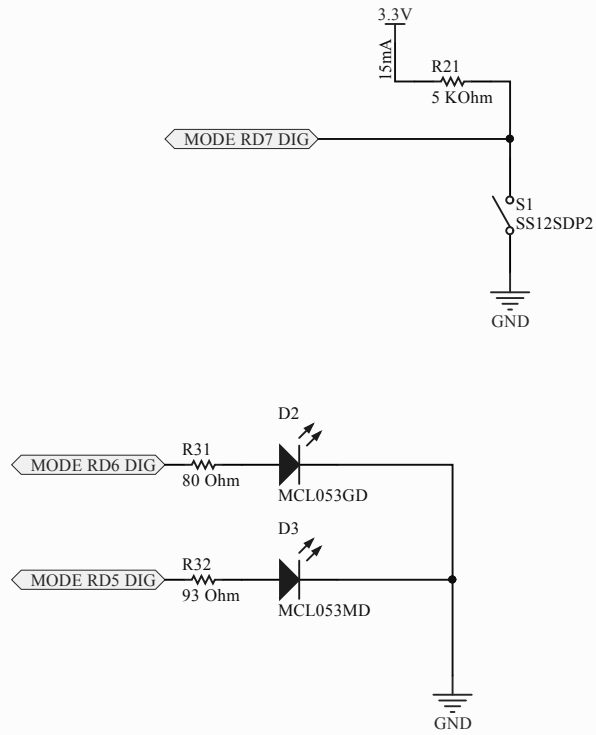
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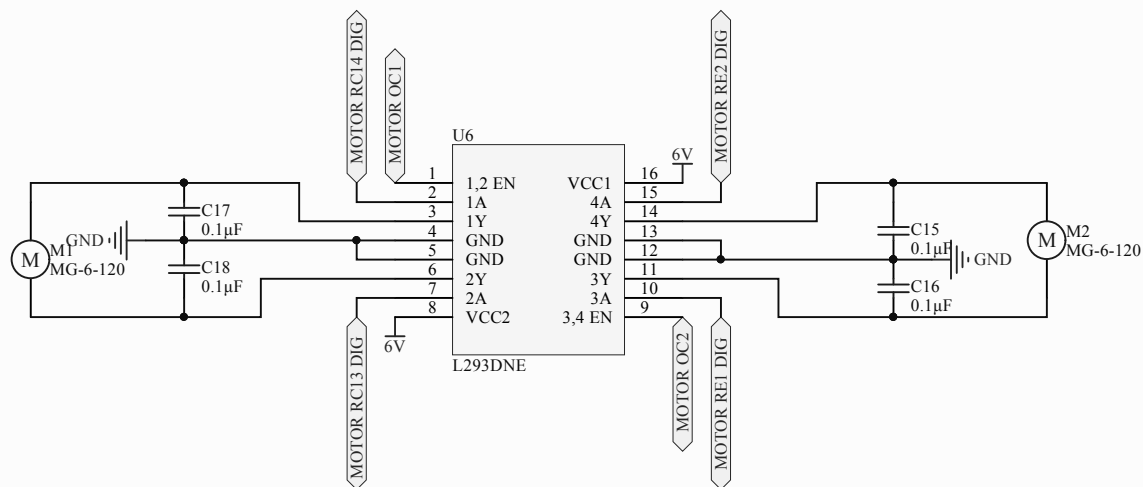
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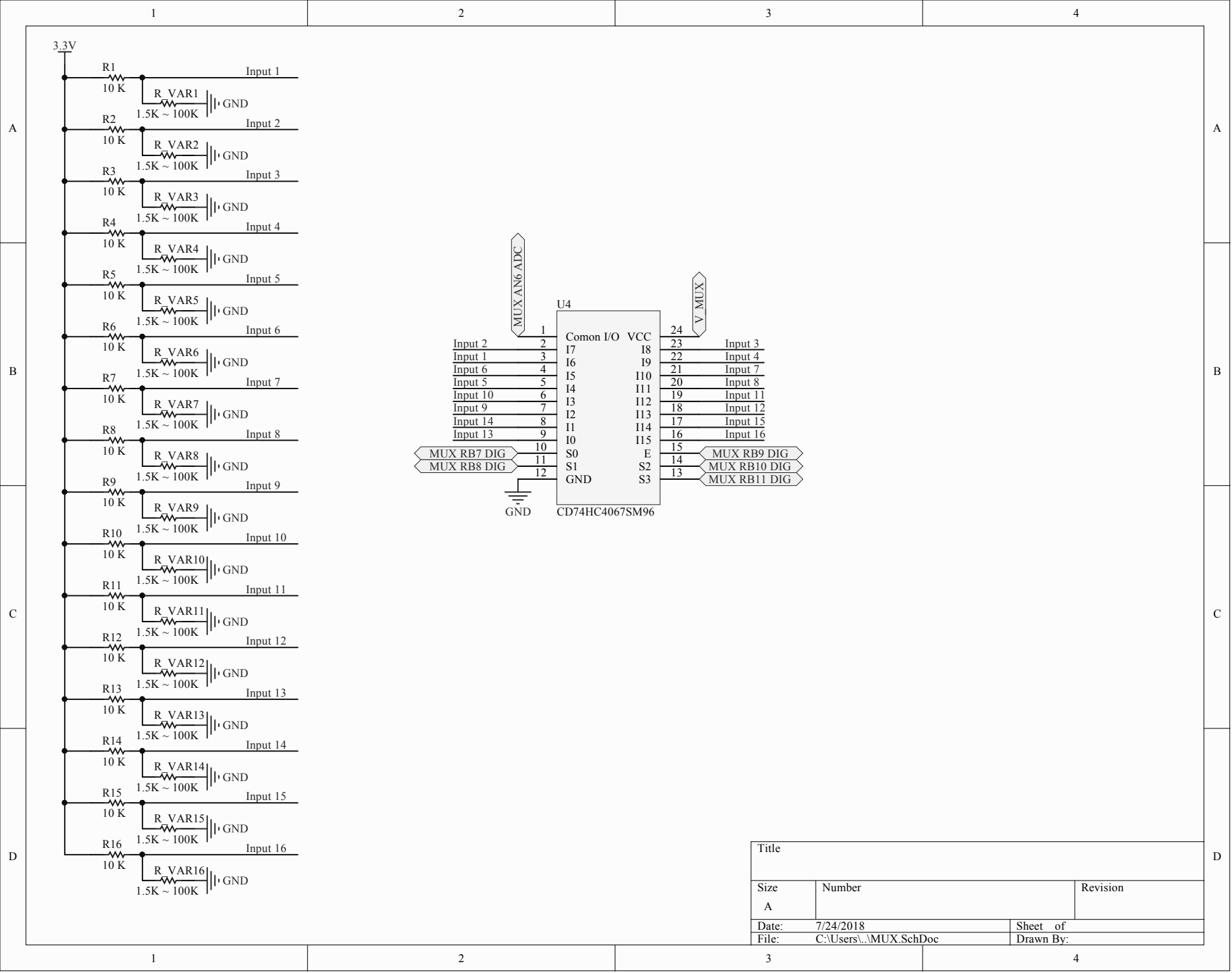
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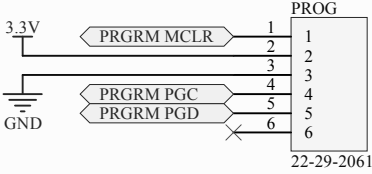
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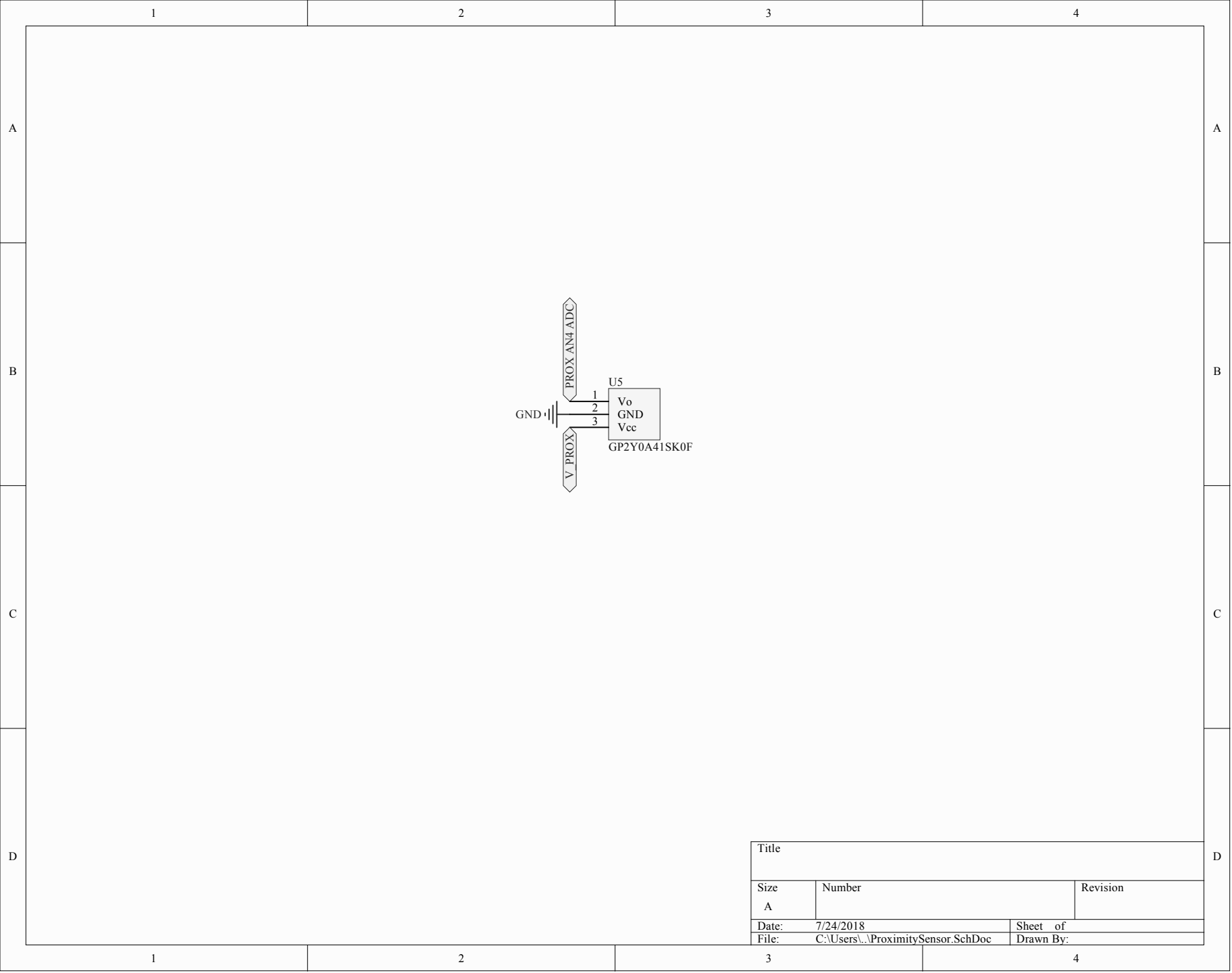
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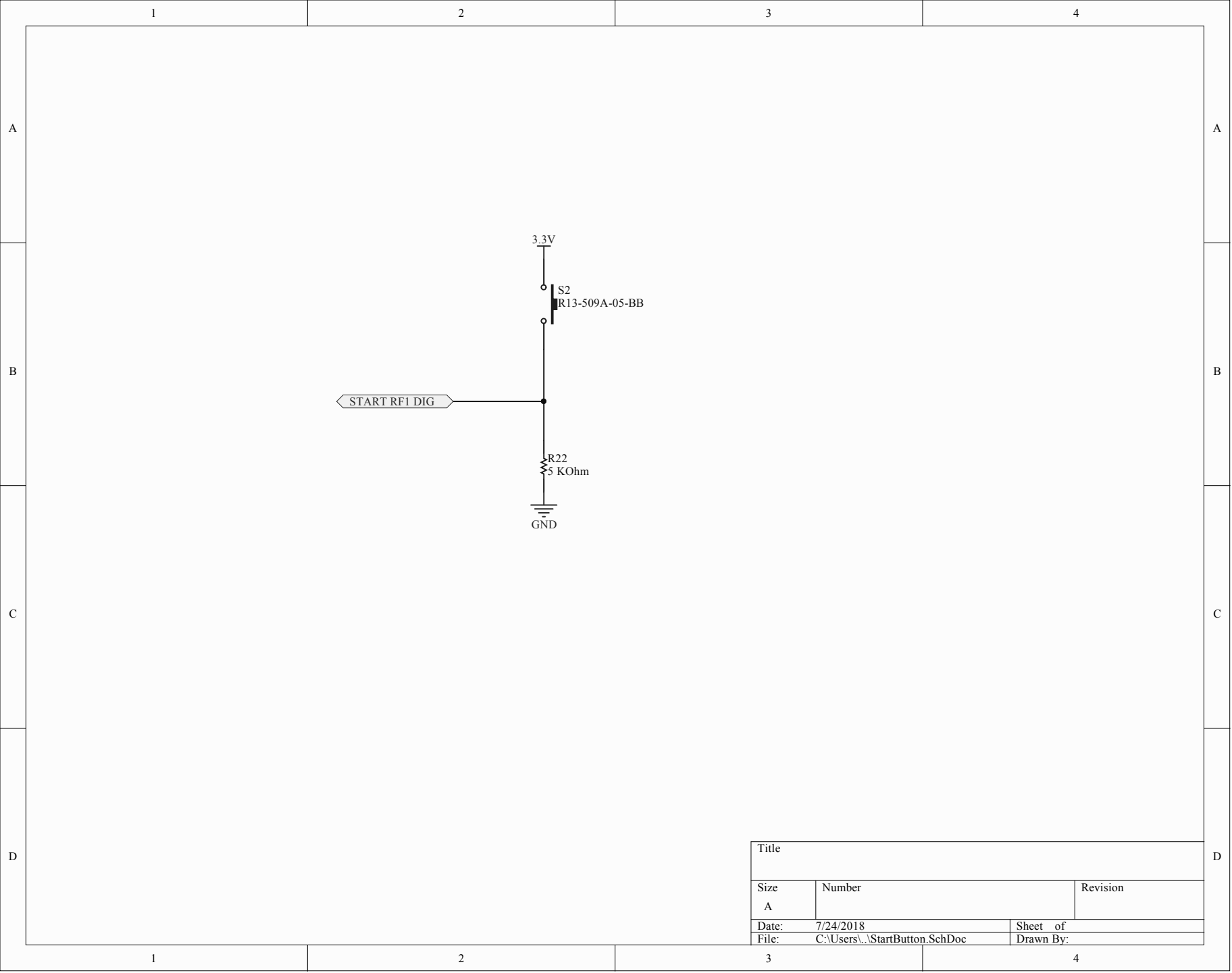


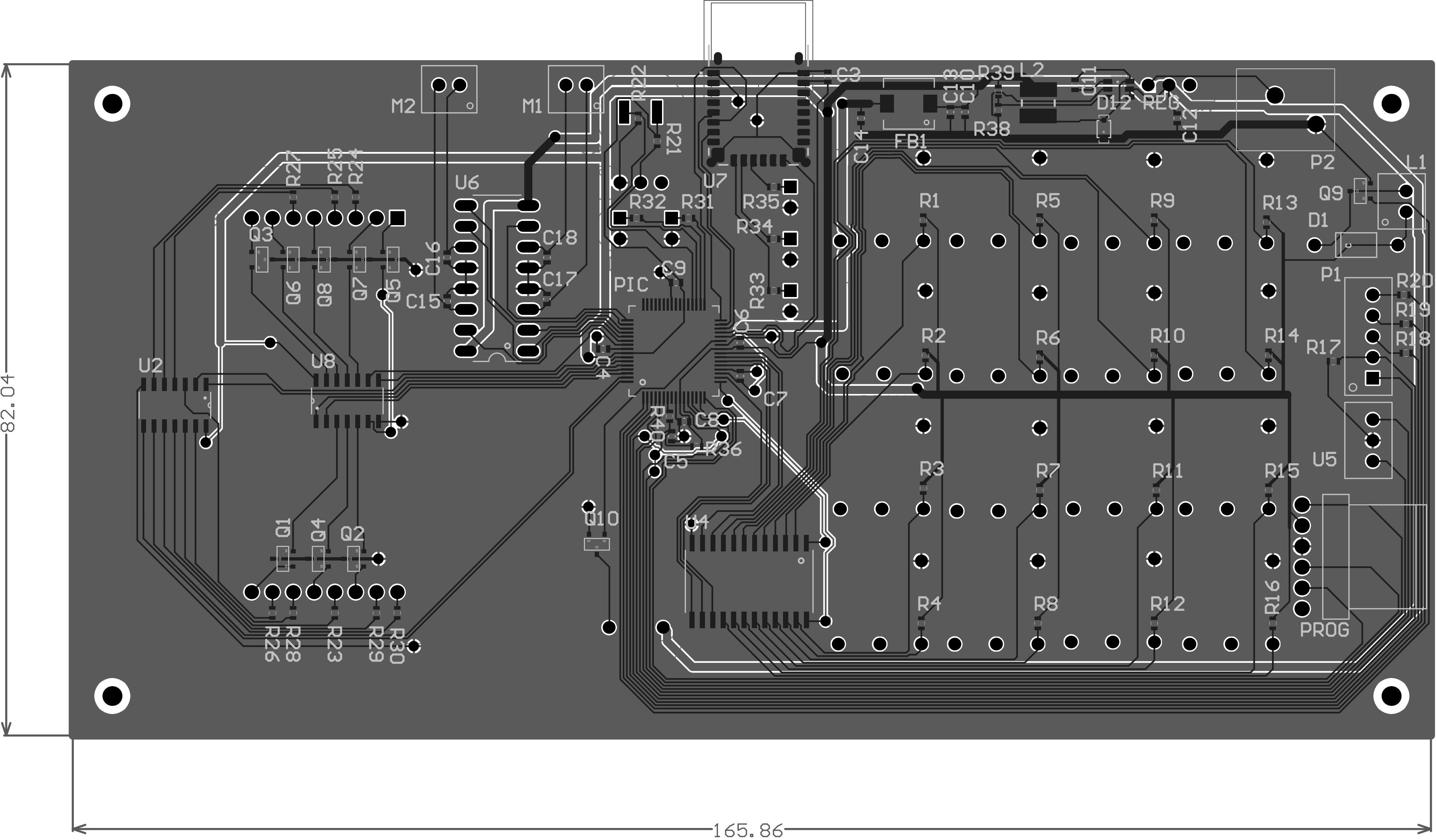
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B				
C				
D				

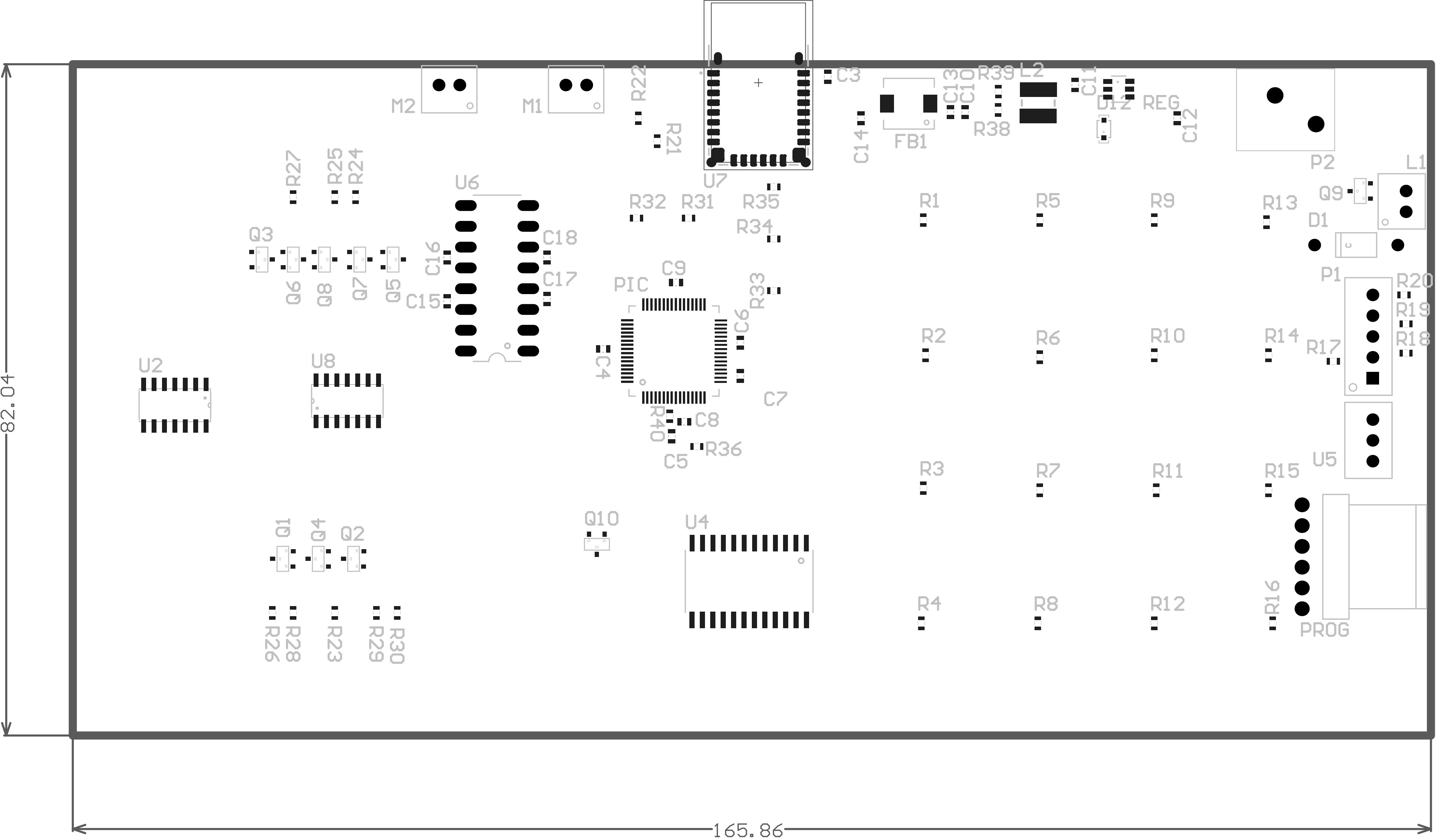


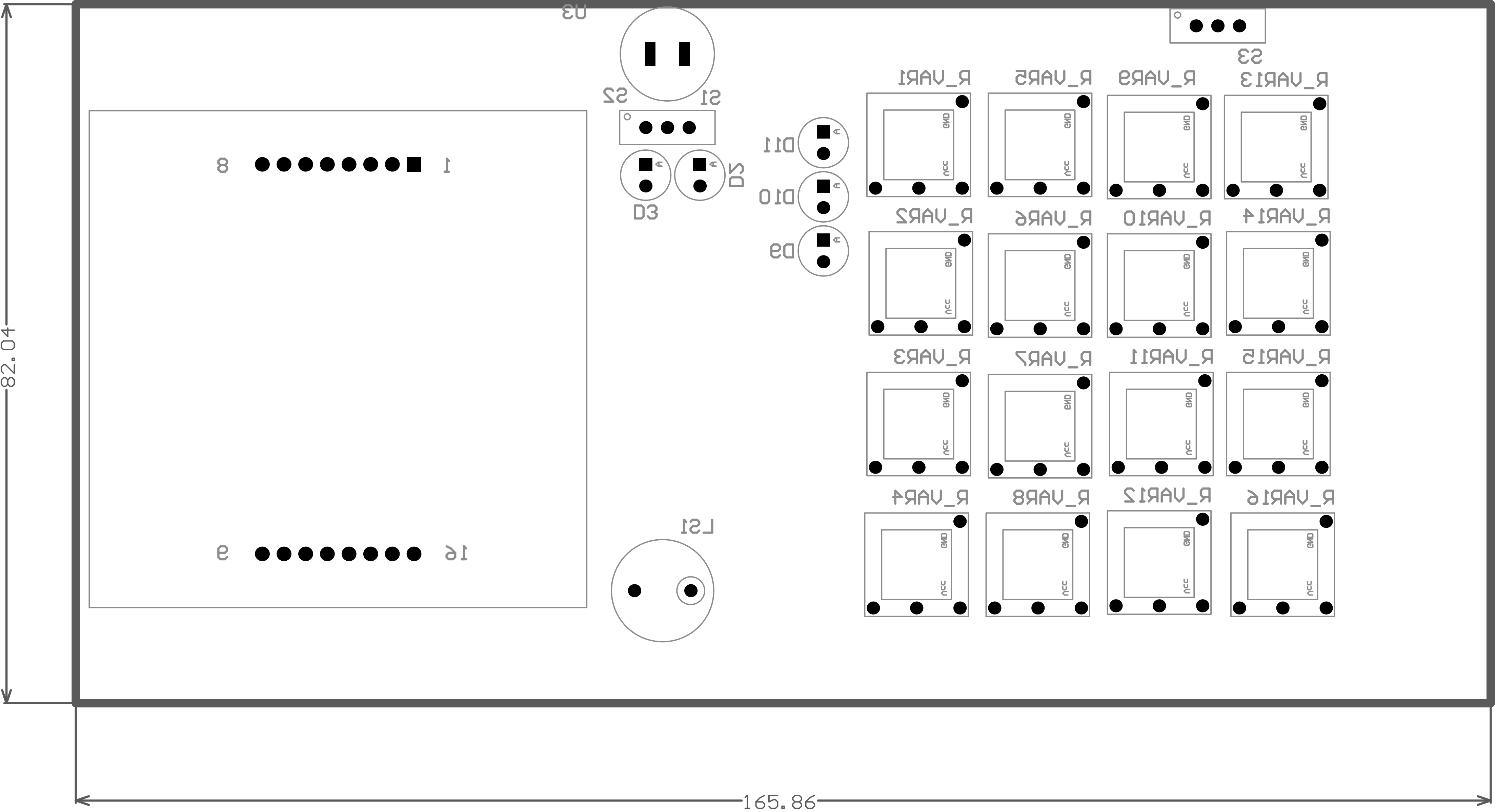
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Quantity	Designator	Comment	Footprint	Description	Farnell Reference	Olimex Reference	LibRef
1	C3	Cap	Capacitor	Capacitor			Cap
1	C4	10µF	Capacitor	Capacitor			Cap
9	C5, C6, C7, C8, C9, C15, C16, C17, C18	0.1µF	Capacitor	Capacitor			Cap
1	C10	47 µF	Capacitor	Capacitor			Cap
1	C11	220 nF	Capacitor	Capacitor			Cap
1	C12	1 µF	Capacitor	Capacitor			Cap
1	C13	1uF	Capacitor	Capacitor			Cap
1	C14	100nF	Capacitor	Capacitor			Cap
1	D1	1N4001	Diode	Default Diode	9564993		Diode
3	D2, D9, D11	MCL053GD	LedGreen	Typical INFRARED GaAs LED	1581138		LED0
1	D3	MCL053MD	LedGreen	Typical INFRARED GaAs LED	1581137		LED0
1	D10	MCL053YD	LedGreen	Typical INFRARED GaAs LED	1581139		LED0
1	D12	8AS316,115	Diode (Regulator)	Default Diode	8734275		Diode
1	F81	Comment	Inductor	Inductor			Inductor
1	L1	GSRL-U/-K	Electromagnet	Magnetic-Core Inductor	2432865		Inductor Iron
1	L2	39uH	Inductor (regulator)	Inductor	2082620		Inductor
1	LS1	ABT-414-RC	Buzzer	Header, 2-Pin			Header 2
2	M1, M2	MG-6-120	Motor2	Motor, General Kind		MG-6-120	Motor
1	P1	J5T5	LDR_RGB	Header, 5-Pin			MHDR1X5
1	P2	TerminalConnector	TerminalConnector	Header, 2-Pin, Right Angle			Header 2H
1	PIC32Square	PIC32MX340F256 H	PIC32		1523322		PIC32square
1	PROG	22-29-2061	HEADER-6-PIN				HEADER-6-PIN
8	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	2N7002	Mosfet	N-Channel MOSFET	2775064		MOSFET-N
2	Q9, Q10	2N7002-G	Mosfet	N-Channel MOSFET	2775064		MOSFET-N
16	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16	10 K	Resistor0603	Resistor			Res1
1	R17	1K	Resistor0603	Resistor			Res1
1	R18	87 Ohm	Resistor0603	Resistor			Res1
2	R19, R20	20 Ohm	Resistor0603	Resistor			Res1
2	R21, R22	5 KOhm	Resistor0603	Resistor			Res1
12	R23, R24, R25, R26, R27, R28, R29, R30, R31, R33, R34, R35	80 Ohm	Resistor0603	Resistor			Res1
1	R32	93 Ohm	Resistor0603	Resistor			Res1
1	R36	10K	Resistor0603	Resistor			Res1
1	R38	1 KOhm	Resistor0603	Resistor			Res1
1	R39	3.32 KOhm	Resistor0603	Resistor			Res1
1	R40	470 Ohm	Resistor0603	Resistor			Res1
1	REGULATOR	LMR14203X	REGULATOR		2064680		Regulator
16	R_VAR1, R_VAR2, R_VAR3, R_VAR4, R_VAR5, R_VAR6, R_VAR7, R_VAR8, R_VAR9, R_VAR10, R_VAR11, R_VAR12, R_VAR13, R_VAR14, R_VAR15, R_VAR16	1.5K ~ 100K	OrderPiece	Resistor			Res1
2	S1, S3	SS12SDP2	Switch	Single-Pole, Single-Throw Switch	1524325		SW-SPST
1	S2	R13-509A-05-BB	StartButton	Switch	1634682		SW-PB
2	U2, U8	74HC164	SHIFT REGISTER		1103161		Shift Register
1	U3	TC23-11GWA	LED PANEL		2290396		LED Dot Matrix
1	U4	CD74HC4067SM96	MUX		1601157		Analog Multiplexor
1	U5	GP2Y0A41SK0F	Proximity2		1618431		Proximity sensor
1	U6	L293DNE	MotorDriver		1470423		Motor Driver
1	U7	RN4020	bluetooth		2442930		Blueetooth