

Bill of Materials

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Source Data From:	Eload Gen 3 User Interface Rev 2.PriPcb
Project:	Eload Gen 3 User Interface Rev 2.PriPcb
Variant:	None
Creation Date:	7/28/2021 11:00:57 PM
Print Date:	28-Jul-21 11:01:29 PM
Production Quantity:	100
Currency	CAD

Footprint	Comment	LibRef	Designator	Description	Quantity	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Order Qty 1	Supplier Subtotal 1	Manufacturer 1	Manufacturer Part Number 1
CAP_0805_HD	2u2	Cap_0805_2.2uF_10%_25V	C1	Cap,SMD,MLCC,2.2uF 25V X7R 10%,0805	1							
Cap_0805	08055C104JAT2A	Cap_0805_100nF_50V_5%	C2, C6, C9, C10, C11	Capacitor; Ceramic; Cap 0.1 uF; Tol 5%; Vol-Rtg 50 VDC; SMT; 0805; X7R; Tape & Reel	5	Digi-Key	478-3352-1-ND	0.06435	500	\$ 32.17	Kyocera AVX	08055C104JAT2A
CAP_0805_HD	08055C104JAT2A	Cap_0805_100nF_50V_5%_08055C	C3, C4, C5, C7, C8	Capacitor; Ceramic; Cap 0.1 uF; Tol 5%; Vol-Rtg 50 VDC; SMT; 0805; X7R; Tape & Reel	5	Digi-Key	478-3352-1-ND	0.06435	500	\$ 32.17	Kyocera AVX	08055C104JAT2A
LED_SMD_Bottom_Entry_1206	LTST-C230KGKT	LED_1206_Green_SMD_BtmEnt_L	D1, D2, D3, D4	LED GREEN CLEAR CHIP SMD	4	Digi-Key	160-1456-1-ND	0.09843	400	\$ 39.37	Vishay Lite-On	LTST-C230KGKT
HEADER-1x2,0.1"	Generic Header 1x2,0.1"spacing		J1, J3		2							
Connector,FlatFlex_20Pin,RA	SFW20R-1STE1LF	Connector,FFC_SMD_20Pin,1m_mSpC,SFW20R-1STE1LF	J2	CONN FFC BOTTOM 20POS 1.00MM R/A	1	Digi-Key	609-1913-6-ND	0.57136	100	\$ 57.14	Amphenol ICC / FCI	SFW20R-1STE1LF
LCD Module 16x2_IIC MOD	LCD_16x2_IIC	LCD1		LCD Character Display; 4x20 Char.; 98x60; STN-BLUE; Transmissive; 8-Bit Parallel	1	Digi-Key						
Mech.Bracket,RA,#6,Threaded	4334	Mech.Bracket,R_A,Threaded,4334	M1, M2	Mounting Bracket Short L #6-32 (2) Steel, Nickel Plated	2	Digi-Key	36-4334-ND	0.44699	200	\$ 89.40	Keystone Electronics	4334
Standoff,Hex,M3,8mm	M3 hex Standoff	Mech,Standoff,M3, Hex	M3, M4	HEX STANDOFF M3,generic	2	Digi-Key	36-24314-ND	1.25959	200	\$ 251.92	Keystone Electronics	24314
Mod, SD Card Connector Breakout	SD Card Connector Breakout	Mod,SD Card Breakout,Vertical	MOD1	SD Card Connector Breakout	1							
Buzzer,PKM13EPYH400-YH4000-A0	PKM13EPYH400-00-A0	Buzzer,PIEZ0_0V,TH4kHz,PKM13EPYH4000-A0	PZT1	AUDIO PIEZO TRANSDUCER 30V TH	1	Mouse	81-PKM13EPYH4000-A0	0.28867	100	\$ 28.87	Murata	PKM13EPYH4000-A0
SOT23-3	2N7002ET1G	MOSFET,N-Channel,SOT23-02E,T1G	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9	Small Signal MOSFET, 60 V, 310 mA, Single, N-Channel, 3-Pin SOT-23, Pb-Free, Tape & Reel	9	Digi-Key	2N7002ET1GOSCT-ND	0.05748	1000	\$ 57.48	ON Semiconductor	2N7002ET1G
res_0805_HD	Vishay / Dale CRCW080510K0FKTA	Res_0805_10.0k_0.1%,100ppm,CRCW080510K0FKTA	R1, R5, R7, R8, R10, R11, R16, R26, R28	RES SMD 10K OHM 1% 1/W 0805	9	Digi-Key	541-3016-1-ND	0.02632	1000	\$ 26.32	Vishay Dale	CRCW080510K0FKTA
res_0805_HD	CR0805-JW-330ELF	Res_0805_330Ω_5%,200ppm,CR0805-JW-330ELF	R2, R4	RES SMD 33 OHM 5% 1/W 0805	2	Digi-Key	118-CR0805-JW-330ELFC-ND	0.01119	200	\$ 2.24	Bourns	CR0805-JW-330ELF
res_0805_HD	CRCW08052K0FKEA	Res_0805_2.2KΩ_±1%,100ppm/C	R3, R6, R24	RES SMD 2.2K OHM 1% 1/W 0805	3	Digi-Key	541-2.20KCCT-ND	0.03446	300	\$ 10.34	Vishay	CRCW08052K20FKEA
res_0805_HD	Vishay CRCW08051K0JNEA	Res_0805_1.00KΩ_5%,200ppm,0JNEA	R9, R12, R13, R15, R18, R20, R22, R25	Res Thick Film 0805 1K Ohm 5% 0.125W(1/W) ±200ppm/C Molded SMD Automotive Paper T/R	8	Digi-Key	541-1.0KADKR-ND	0.01157	1000	\$ 11.57	Vishay Dale	CRCW08051K0JNEA
res_0805_HD	CRCW0805100RJNEAC	Res_0805_100Ω_5%,±200ppm/C	R14, R17, R19, R21	RES 100 OHM 5% 1/W 0805	4	Digi-Key	541-100ACT-ND	0.02594	400	\$ 10.38	Vishay Dale	CRCW0805100RJNEA
res_0805_HD	CRCW08053K2FKEA	Res_0805_3.32KΩ_±1%,100ppm/C	R23	RES SMD 3.32K OHM 1% 1/W 0805	1	Digi-Key	541-3.32KCCT-ND	0.03446	100	\$ 3.45	Vishay	CRCW08053K32FKEA
res_0805_HD	CRCW0805100KKFKEA	Res_0805_100kΩ_0.1%,100ppm,CRCW0805100KKFKEA	R27	100 kOhms ±1% 0.125W, 1/W Chip Resistor 0805 (2012 Metric) Thick Film	1	RS						
PTS636 SP43 LFS	PTS636 SP43 LFS	Switch,Through Hole,Tactile,SP ST-NO,PTS636 SP43 LFS	SW1, SW2	Tactile Switch SPST-NO Top Actuated Through Hole	2	Digi-Key	CKN12304-ND	0.09321	200	\$ 18.64	ITT C&K	PTS636SP43LFS
Rotary encoder	Bourns PEC11R-4220K-S0024	Rotary encoder,PEC11R-4220K-S0024	SW3	24 Pulse Incremental Mechanical Rotary Encoder w/ 6 mm Knurl Shaft, Through Hole	1	Digi-Key	PEC11R-4020K-S0024-ND	1.52715	100	\$ 152.71	Bourns	PEC11R-4020K-S0024
TSSOP-16	TCA9534APWR	I.C,IO Expander,I.C,8I/O_16-TSSOP,TCA9534APWR	U1	IC I/O EXPANDER I2C 8B 16TSSOP	1							
SOT23-5	74AHC1G14GW-.125	I.C,Logic, Schmitt trigger INV,2V ~ 5.5V,5-TSSOP,74AHC1G14GW-.125	U2	IC INVERTER SCHMITT 1CH 5TSSOP	1	Digi-Key	1727-3149-1-ND	0.17981	100	\$ 17.98	Nexperia	74AHC1G14GW,.125

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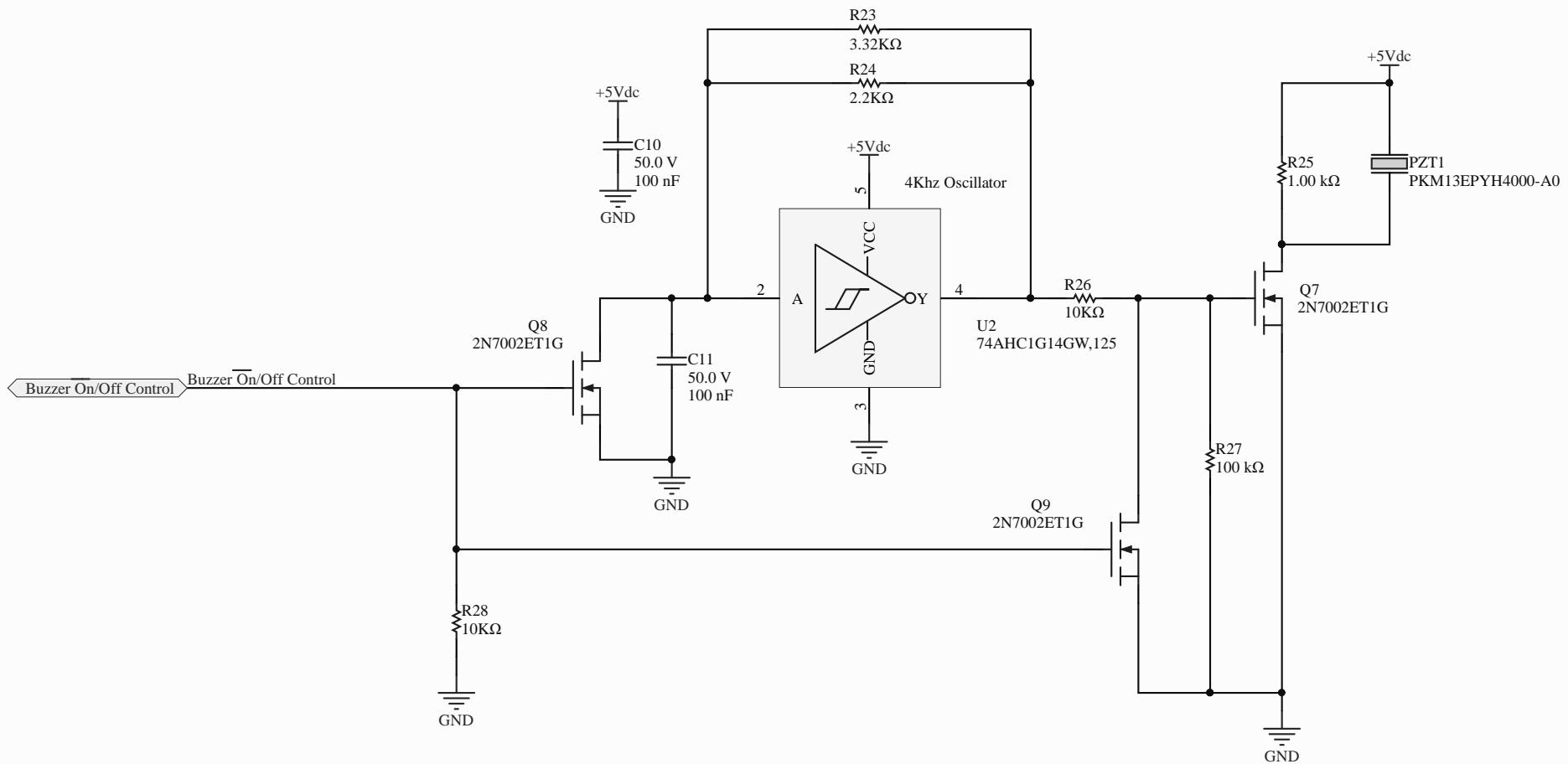
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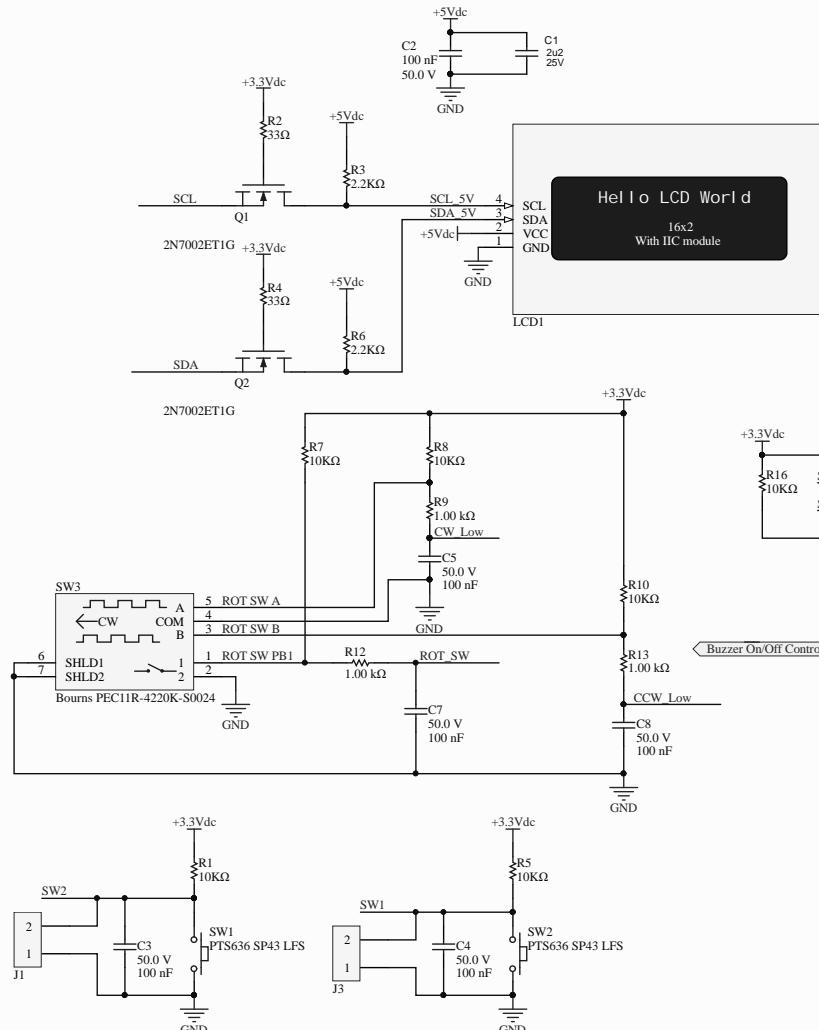
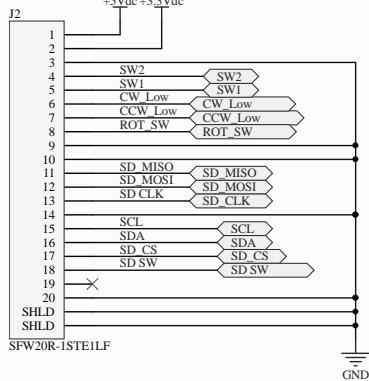
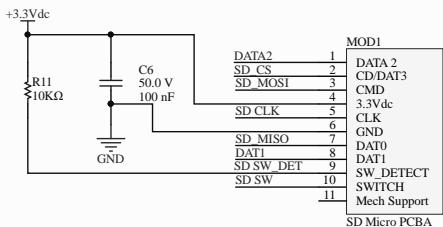
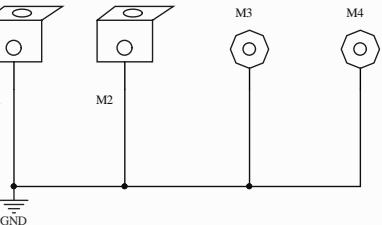
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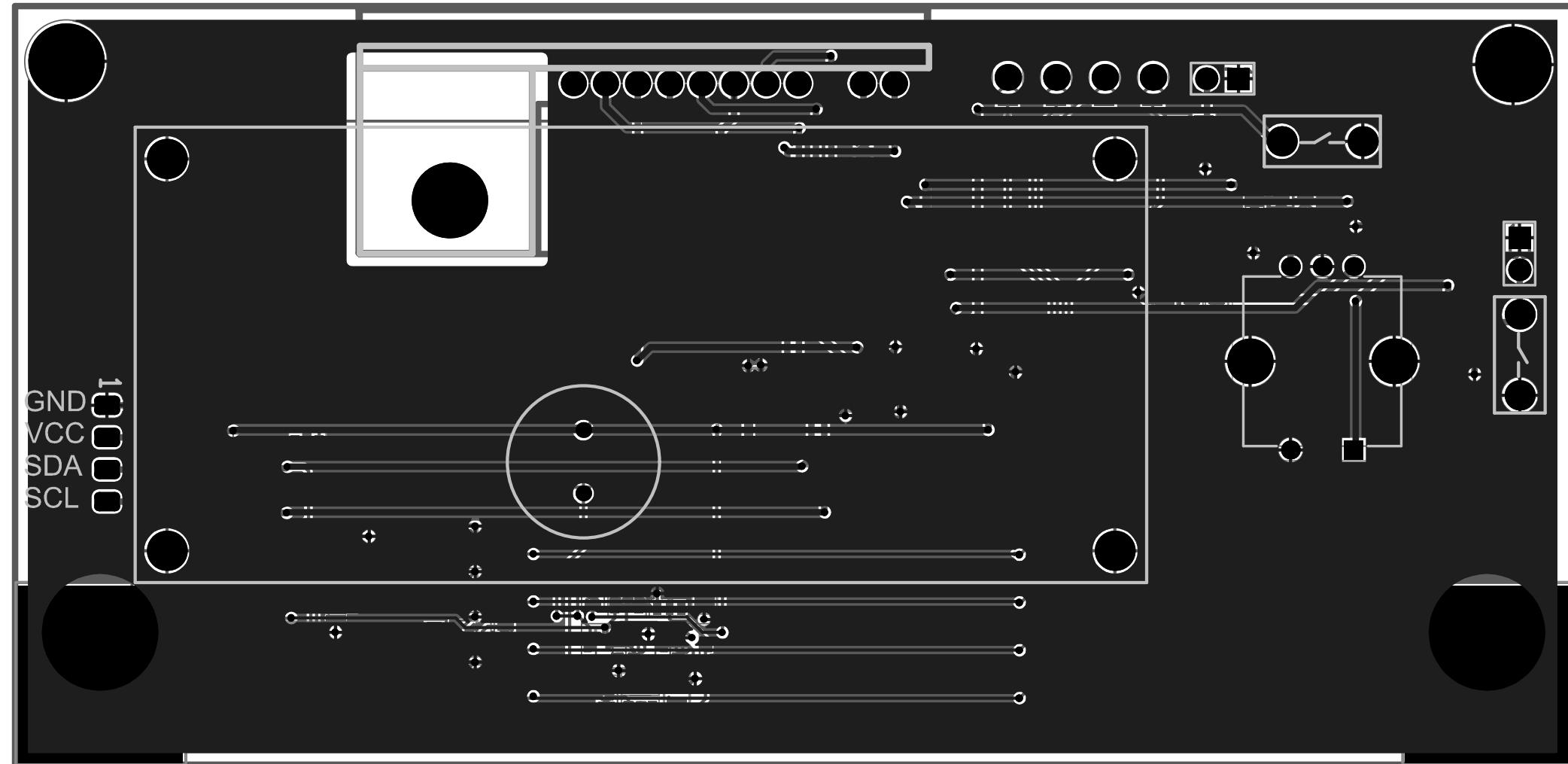
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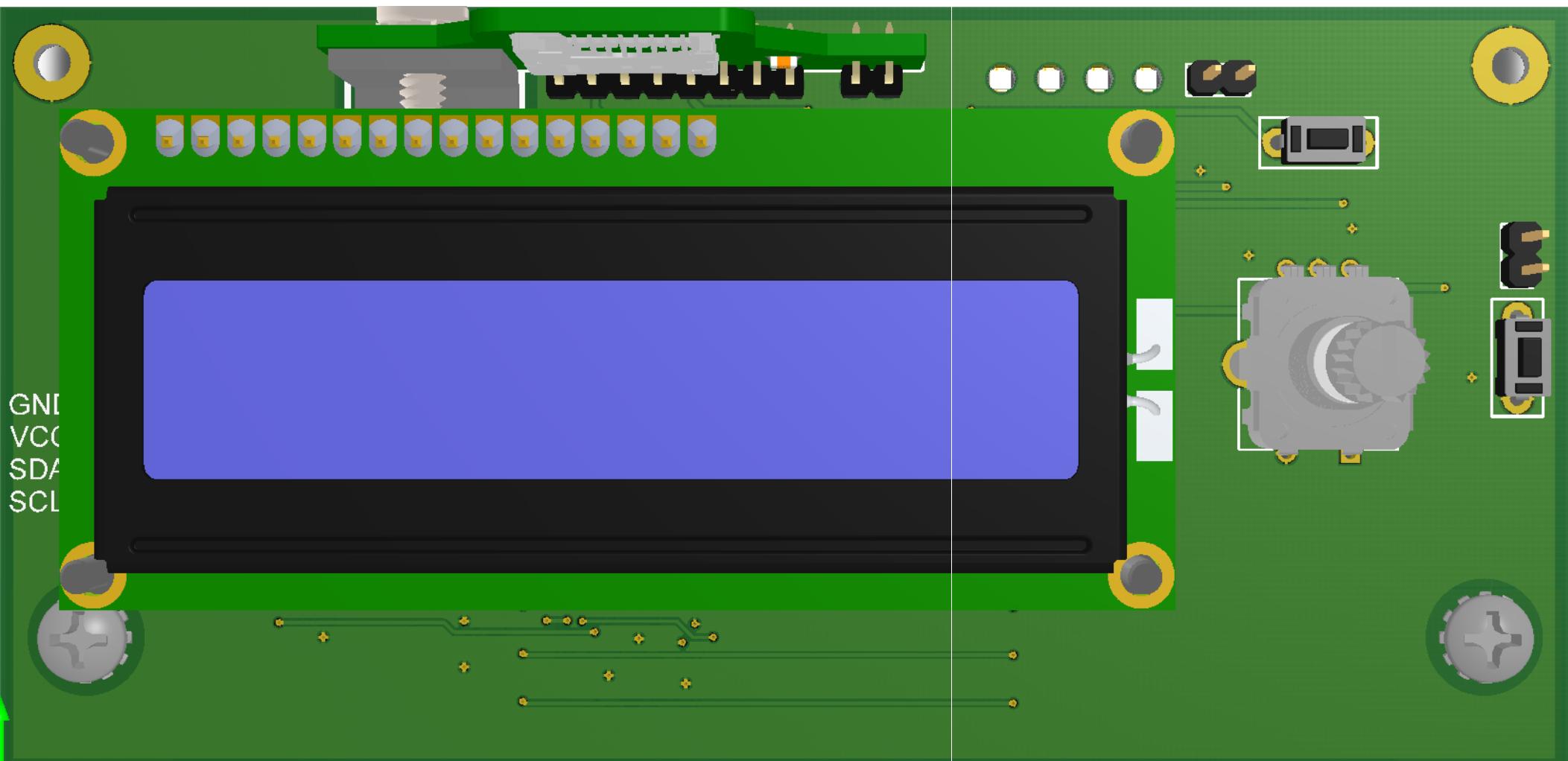
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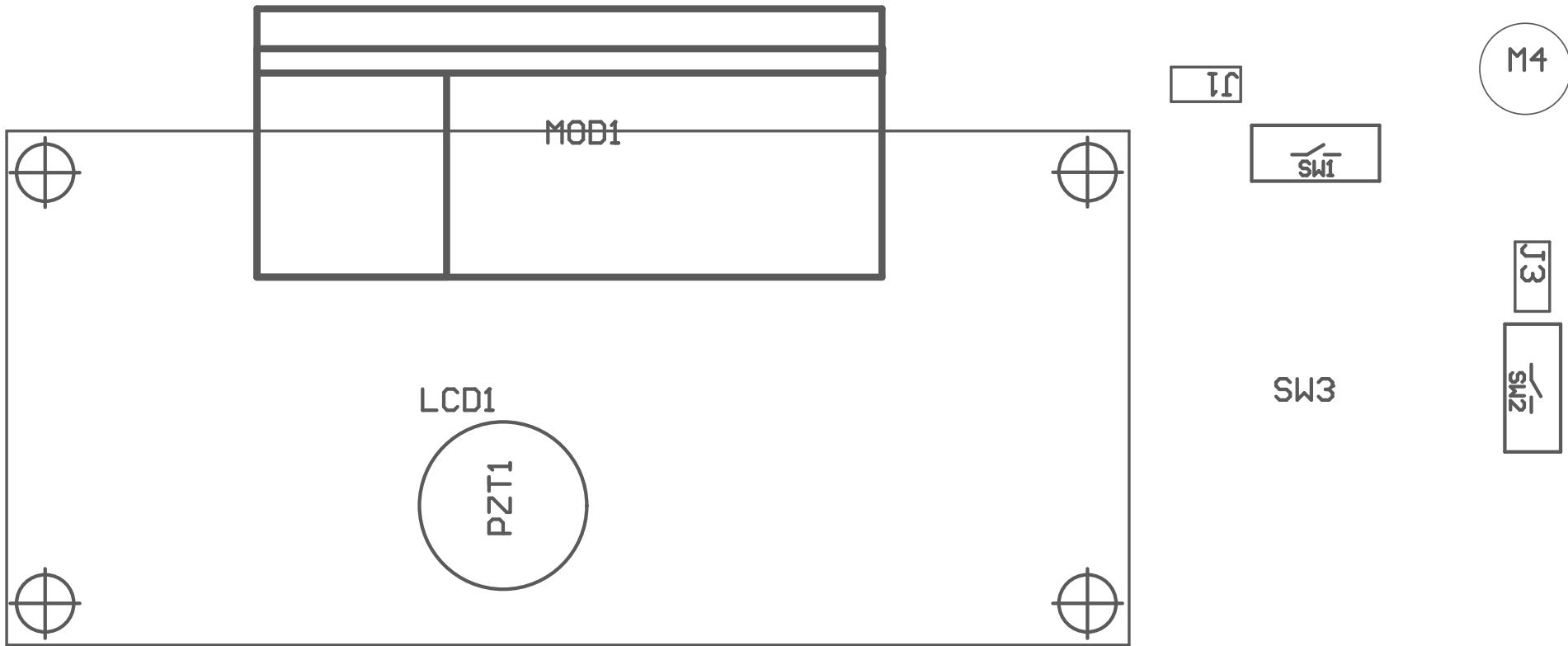
User Interface



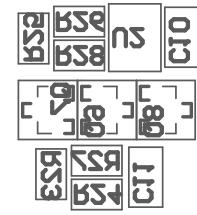
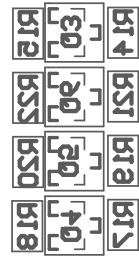
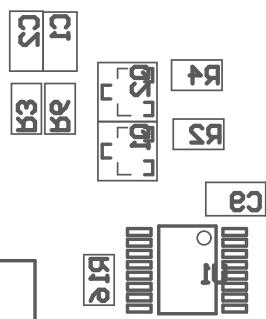
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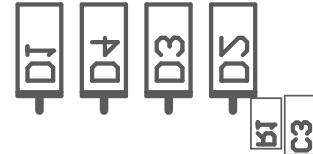
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