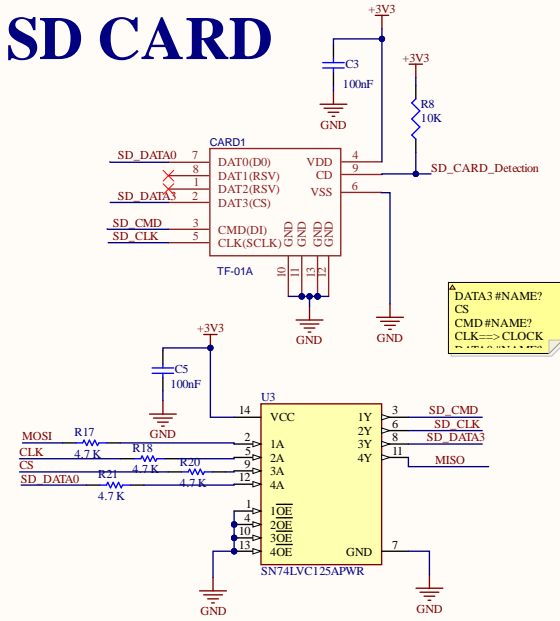


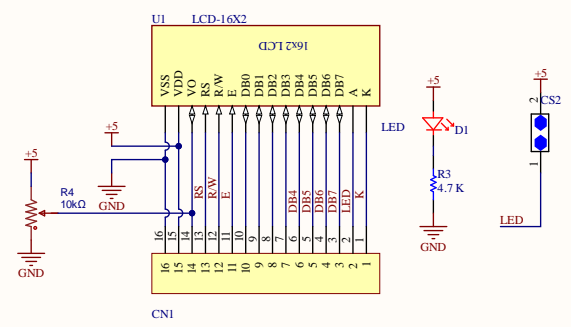
# CONNECTORS

## SD CARD



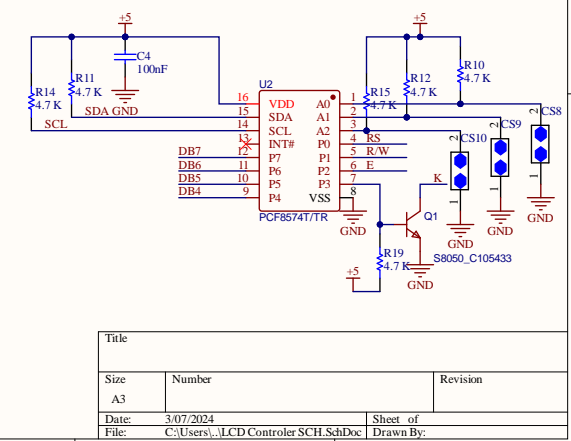
# LCD16X2

## BUTTONS

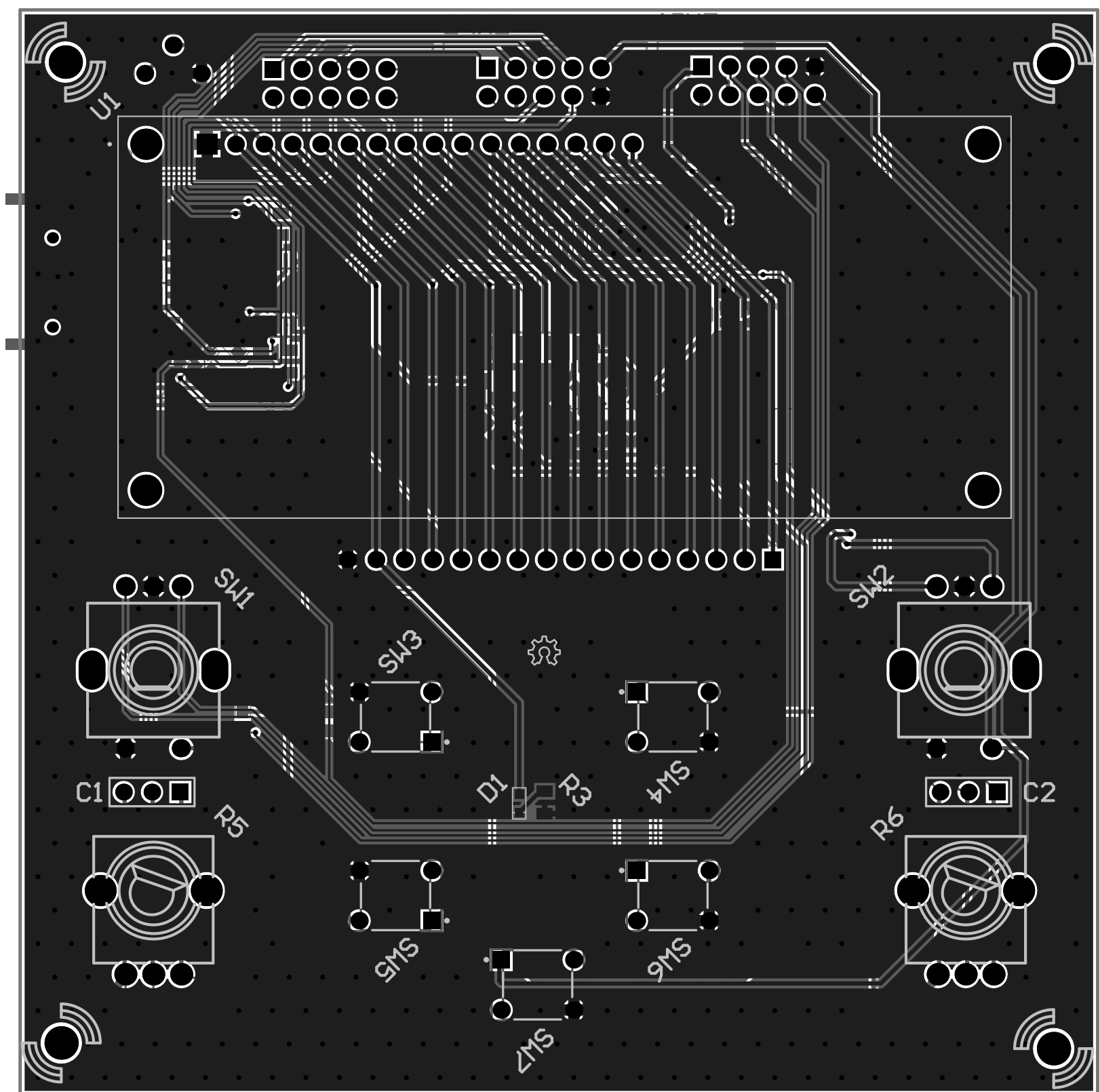


# ENCODER/POT

## LCD16X2 I2C



Title		
Size	Number	Revision
A3		
Date:	3/07/2024	Sheet of
File:	C:\Users\...LCD Controller SCH.SchDoc	Drawn By:



Manufacturer	Supplier	Mfr.Part	ComponentType	Mfr	Name	Description	Designator	Quantity
PINREX	LCSC	510-80-10GB43			Header 5X2	Header, 5-Pin, Dual row	EXP1, EXP2, EXP3	3
UNI-ROYAL(Uniroyal Elec)	LCSC	0805W8F1002T5E			resistor	RES SMD 10K OHM 1% 1/10W 0603	R1, R2, R7, R8, R9, R13, R16, R22	8
BOCHEN(博晨)	LCSC	3362P-1-103			10kΩ	±10% 10kΩ Plugin Variable Resistors/Potentiometers ROHS	R4	1
Omron Electronics	LCSC	B3F-1005			B3F-1005	SWITCH TACTILE SPST-NO 0.05A 24V	SW3, SW4, SW5, SW6, SW7	5
BOOMELE(Boom Precision Elec)	LCSC	C49257			Header 3	Header, 3-Pin	C1, C2	2
CJ(江苏长电/长晶)	LCSC	C105433			S8050_C105433	25V 300mW 120@50mA, 1V 500mA NPN SOT-23 Bipolar Transistors - BJT ROHS	Q1	1
TORCH	LCSC	CT41G-0805-2X1-50V-0.1μF-M(N)		TORCH	100nF	CAP CER 0.1UF 50V X7R 0603/0805	C3, C4, C5	3
ALPSALPINE	LCSC	EC11E1564454			EC11E1564454	Plugin Rotary Encoders ROHS	SW1, SW2	2
Lite-On	LCSC	LTST-C191KRKT		LITEON	LED	20mA 639nm Colorless transparence -55°C~+85°C 631nm~631nm Red 130° 75mW 0603 Light Emitting Diodes (LED) ROHS	D1	1
HGSEMI(华冠)	LCSC	PCF8574T/TR			PCF8574T/TR	Communication Interface Chip/UART/485/232/I/O Expanders	U2	1
YAGEO	LCSC	RC0805FR-074K7L			4.7 K		R3, R10, R11, R12, R14, R15, R17, R18, R19, R20, R21	11
ALPSALPINE(阿尔卑斯阿尔派)		RK09L1140A5P			50kΩ		R5, R6	2
Texas Instruments	LCSC	SN74LVC125APWR			SN74LVC125APWR	IC BUF NON-INVERT 3.6V 14TSSOP	U3	1
Korean Hroparts Elec	LCSC	TF-01A			TF-01A	LCSC Part # C91145 Manufacturer Korean Hroparts Elec	CARD1	1