

Title		
Size	Number	Revision
A		
Date:	2/07/2024	Sheet of
File:	C:\Users\...\Sheet1.SchDoc	Drawn By:



J\_main



U1

C1

T1

R2

R3

J2

Z0

J3

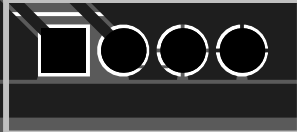
C4 C3

Q1

D1 D2 D3 D4 D5 D6

R1

U2

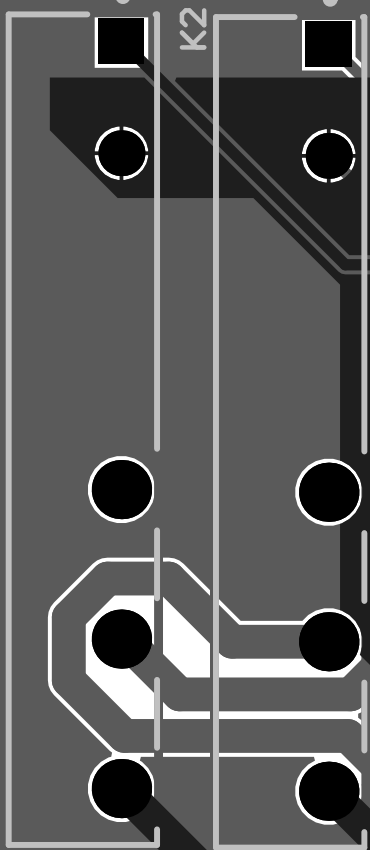
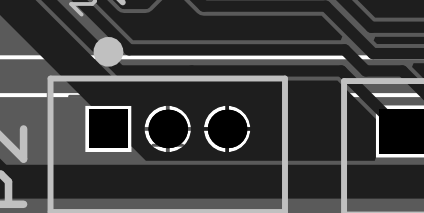
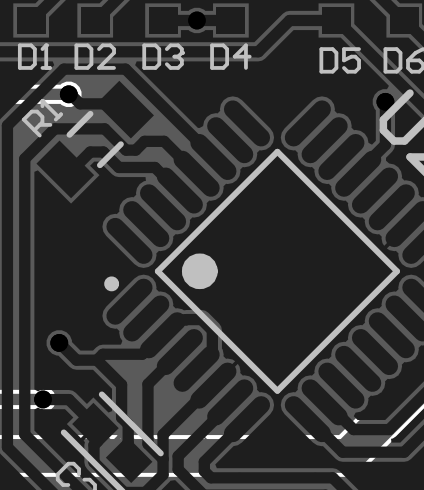
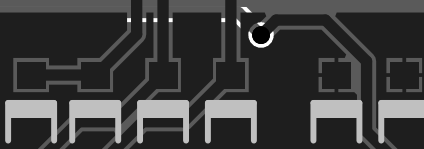
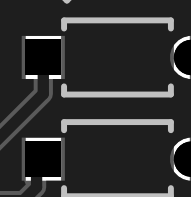
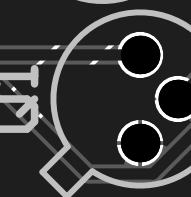
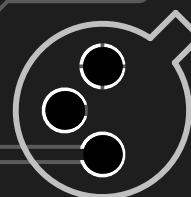
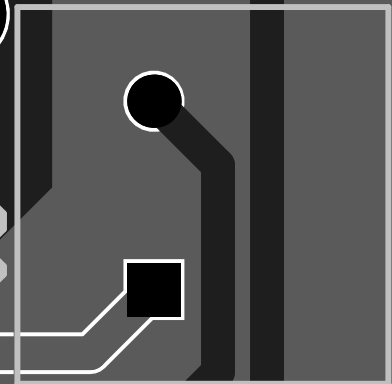
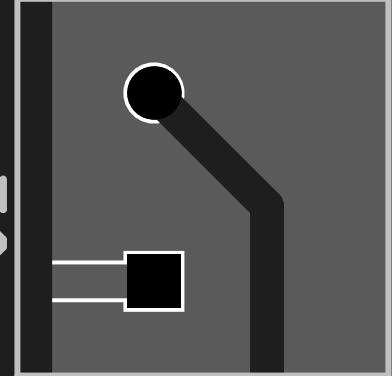
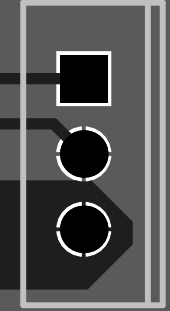
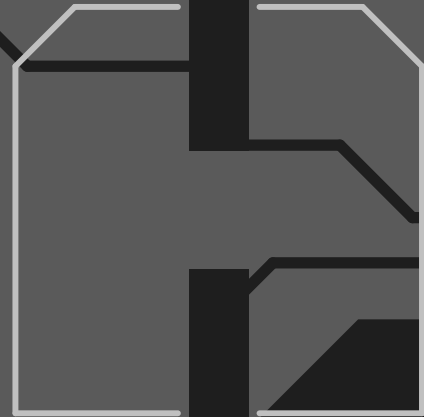
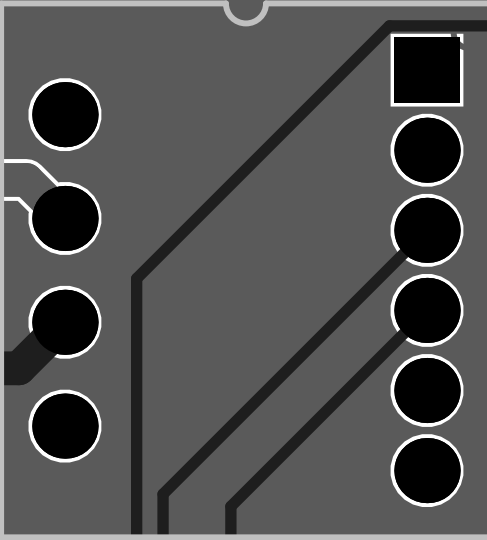
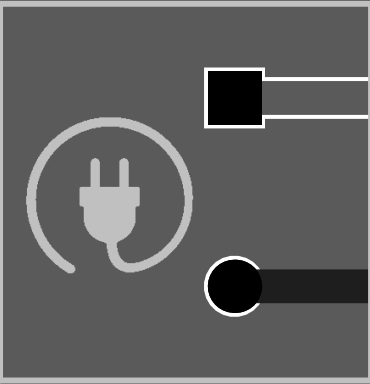


P1

P2

K1

K2



Comment	Description	Designator	Footprint	LibRef	Quantity
EEE-FK1E102AQ	CAP ALUM 1000UF 20% 25V SMD	C1	FP-FK413-MFG	CMP-05427-002158-1	1
GRM188R60J106ME47 D	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uF, X5R, 15%, 20%, 6.3V	C2	FP-GRM188-0_1- e0_2_0_55-IPC_A	CMP-2006-02792-2	1
RCE5C1H220J0M1H0 3A	Cap Ceramic 22pF 50V C0G ±5% Radial 5mm +125°C Automotive Bulk	C3, C4	FP-RCE0K1-MFG	CMP-06035-004895-1	2
1N4148W-7-F	Fast Switching Diode, 100 V, 0.15 A, -65 to 150 degC, 2- Pin SOD123, RoHS, Ta pe and Reel	D1, D2, D3, D4, D5, D6	DIOD-SOD123-2_V	CMP-2000-04932-2	6
1714955	PC Terminal Block, Pitch 6.35 mm, 1 x 2 Position, Height 21.5 mm, Tail Length 5.1 mm, RoHS, Bulk	J2, J3, J_main	PHOE-1714955_V	CMP-2000-05797-1	3
1393236-1	RELAY GENERAL PURPOSE SPDT 6A 5V	K1, K2	FP-1393236-1-MFG	CMP-03395-000054-1	2
B4B-PH-K-S(LF)(SN)	Male Header, Pitch 2 mm, 1 x 4 Position, Height 6 mm, Tail Length 3.4 mm, -25 to 85 degC, RoHS, Bulk	P1	JST-B4B-PH-K-S_V	CMP-2000-05165-1	1
B3B-PH-K-S(LF)(SN)	Male Header, Pitch 2 mm, 1 x 3 Position, Height 6 mm, Tail Length 3.4 mm, -25 to 85 degC, RoHS, Bulk	P2	JST-B3B-PH-K-S-3_V	CMP-2000-05164-1	1
2N2222	Low Power Bipolar NPN Transistor, 30 V, - 65 to 200 degC, 3-Pin TO-18, RoHS, Bulk	Q1, Q2	MLTC-TO-18-3	CMP-2000-05237-1	2
ERJ8BWR015V		R1, R2, R3	RESC3216X70X50NLO 5T20	CMP-2003-00767-1	3
7491182012	Off-Line Transformer WE-UNIT, L=0.9mH	T1	EE16_7_4 (E16)	CMP-1471-00001-1	1
LM7805CT	Positive Voltage Regulator, 5 V, 1 A, -40 to 125 degC, 3-Pin TO- 220, RoHS, Tube	U1	FAIR-TO-220-3	CMP-2000-04938-1	1
ATmega328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	U2	32A_M	CMP-0095-00269-2	1
ECS-160-S-1X	16MHz ±30ppm Crystal Series 20 Ohms HC-49/U	Y?	XTAL_ECS-160-S-1X	ECS-160-S-1X	1