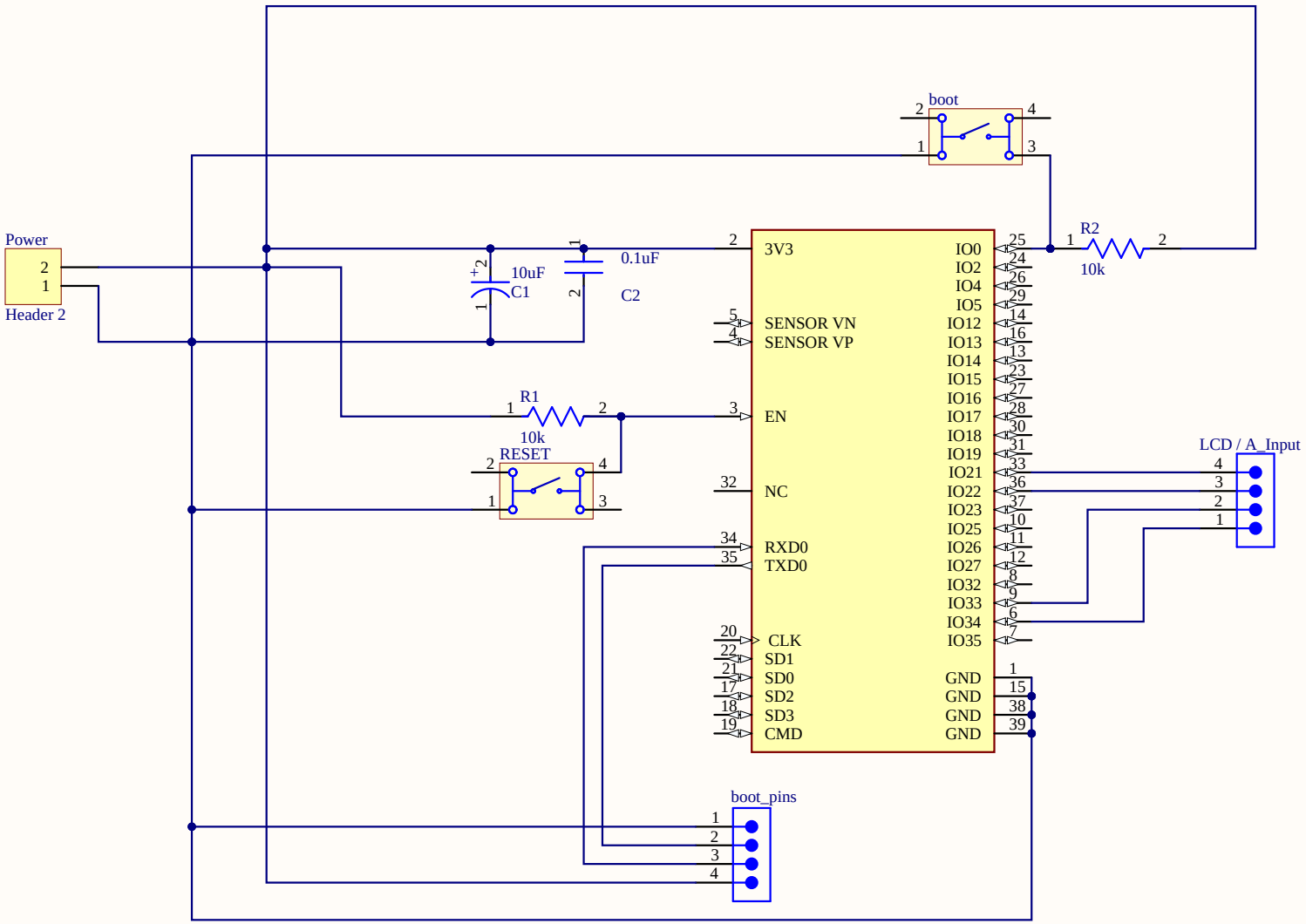
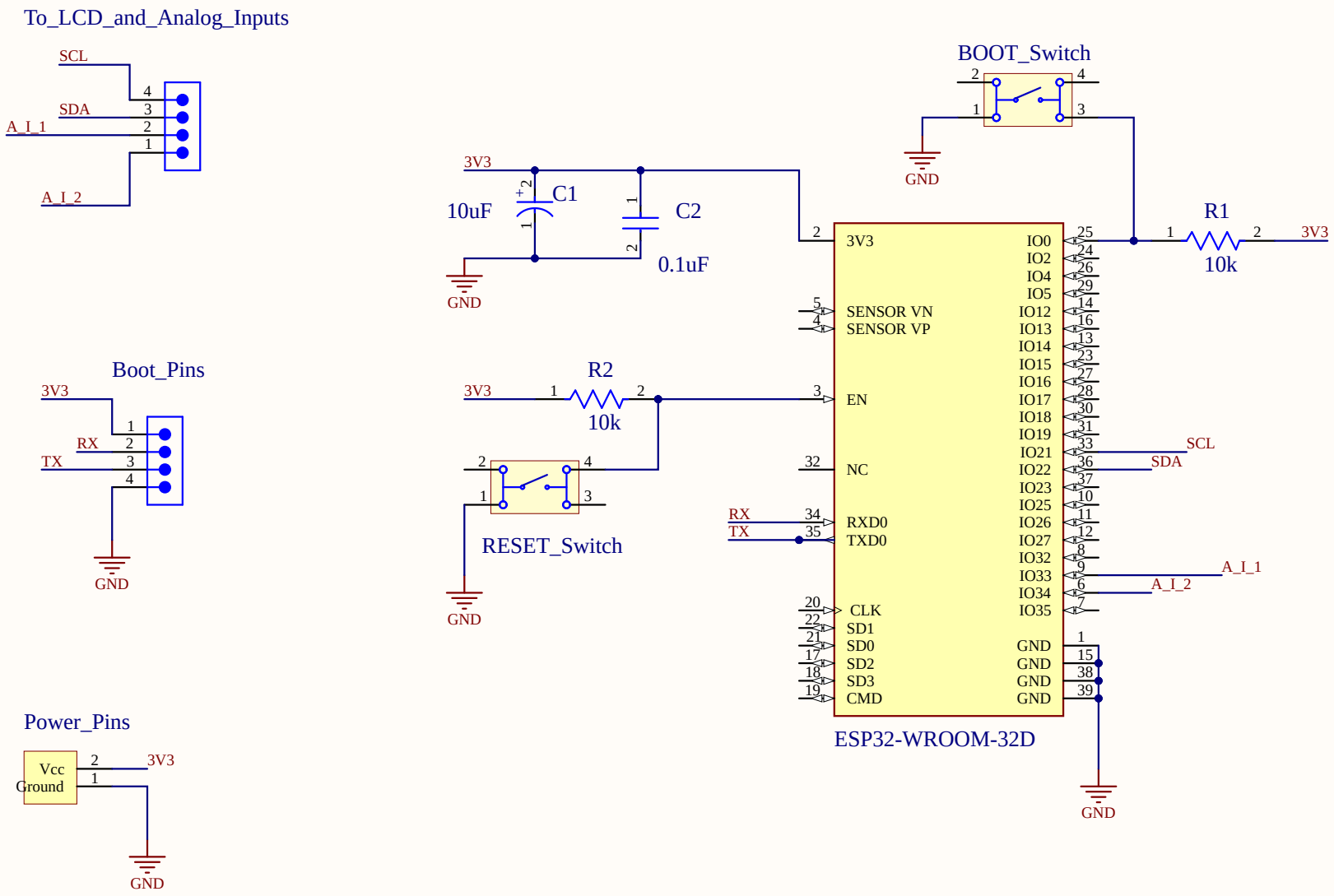
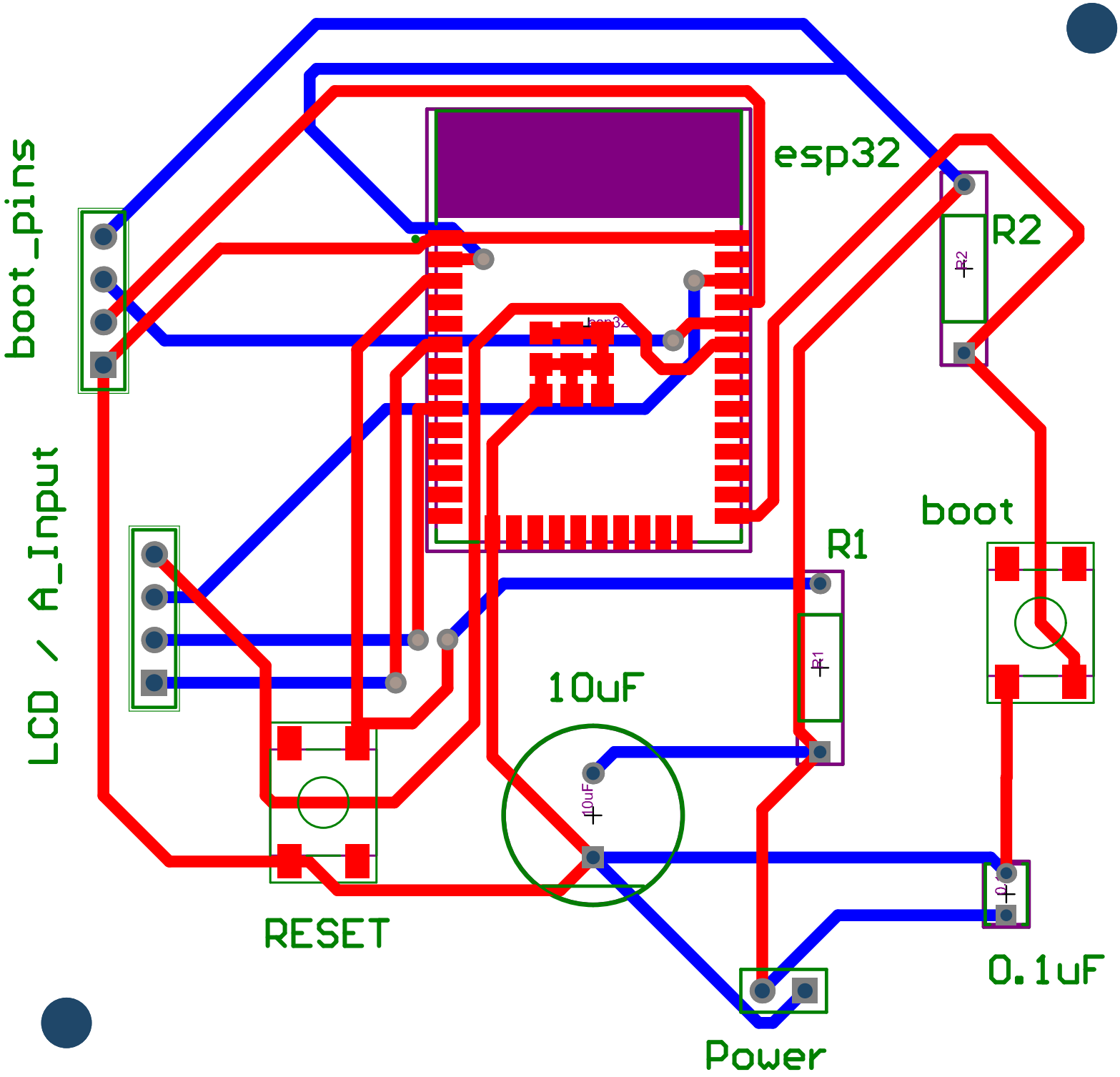


Title: EDR-Circuit		
Size: A	Number: 1	Revision: 2
Date: 6/16/2023	Sheet of	
File: W:\University of Moratuwa\..\Sheet2.SchDoc	Drawn By:	



Title	Schematic for the sound level monitoring system	
Size: A3	Number: 1	Revision: 2
Date: 6/16/2023	Sheet 1 of 1	
File: W:\University of Moratuwa\..\Sheet3.SchDoc	Drawn By: Wijetunga W.L.N.K	


boot_pins
LCD / A_Input
esp32
R2
R1
boot
10uF
RESET
Power
0.1uF

Comment	Description	Designator	Footprint	LibRef	Quantity
C2	Cap Ceramic 100nF 50V X7R ±10% Radial 2.5mm +125°C Ammo Pack	0.1uF	FP-RCE0DB-MFG	CMP-06035-048089-1	1
C1	Aluminum Electrolytic Capacitors (Radial Lead Type) AEC-Q200 Qualified 1000uF ±20% 10V	10uF	FP-RAD-TH-D_10_0_5-L_16_1-MFG	CMP-05427-000979-1	1
430471025826	WS-TASV SMD Tact Switch 6X6 mm	boot, BOOT_Switch, RESET, RESET_Switch	430471025826	CMP-1452-00022-1	4
TSW-104-08-L-S	0.025" SQ Post Header, Through-hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 4-Pin, Male, RoHS	boot_pins, LCD / A_Input, To_LCD_and_Analog_ Inputs	SMTC-TSW-104-08-X-S	CMP-1024-00358-1	4
10uF	Aluminum Electrolytic Capacitors (Radial Lead Type) AEC-Q200 Qualified 1000uF ±20% 10V	C1	FP-RAD-TH-D_10_0_5-L_16_1-MFG	CMP-05427-000979-1	1
0.1uF	Cap Ceramic 100nF 50V X7R ±10% Radial 2.5mm +125°C Ammo Pack	C2	FP-RCE0DB-MFG	CMP-06035-048089-1	1
ESP32-WROOM-32D	WIFI MODULE 32MBITS SPI FLASH	esp32, ESP32-WROOM-32D	FP-ESP32-WROOM-32D-MFG	CMP-194065-000003-1	2
Header 2	Header, 2-Pin	Power	HDR1X2	CMP-307-000070-1	1
	Header, 2-Pin	Power_Pins	HDR1X2	CMP-307-000070-1	1
10k	RES 10K OHM 0.6W 1% AXIAL	R1, R2	FP-MBB0207-MFG	CMP-02408-000035-1	4