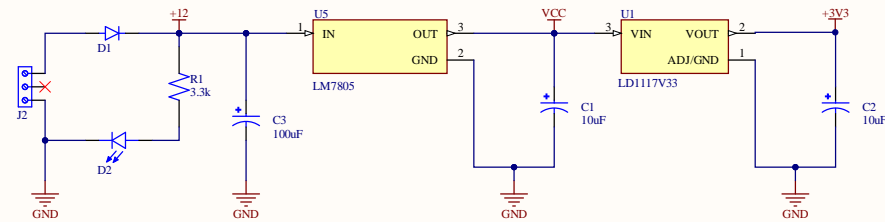
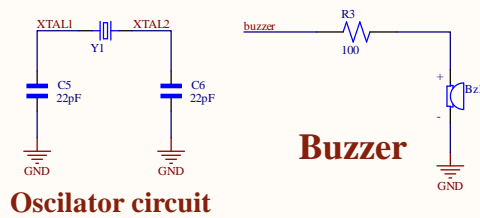
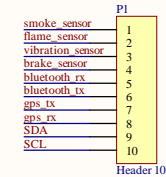
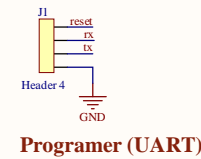


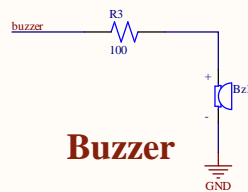
AI BASED CAR ACCIDENT DETECTION AND ARLETING SYSTEM



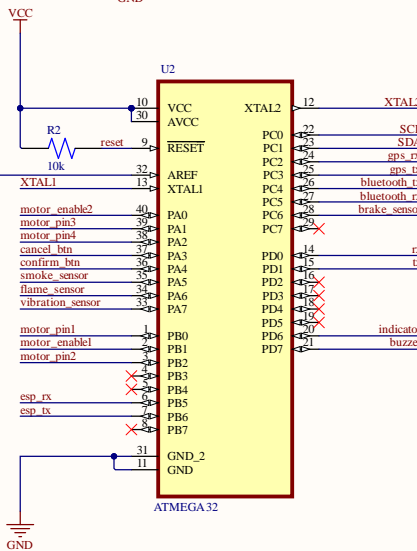
Power Supply UNIT



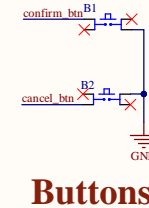
Oscillator circuit



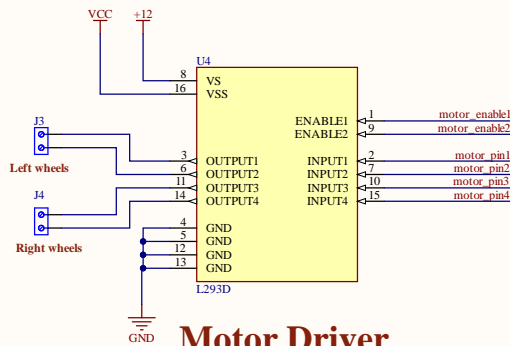
Buzzer



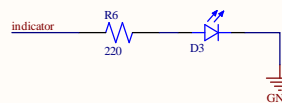
Control UNIT



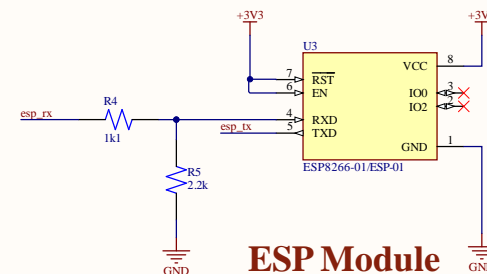
Buttons



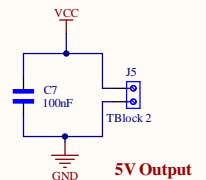
Motor Driver



Indicator

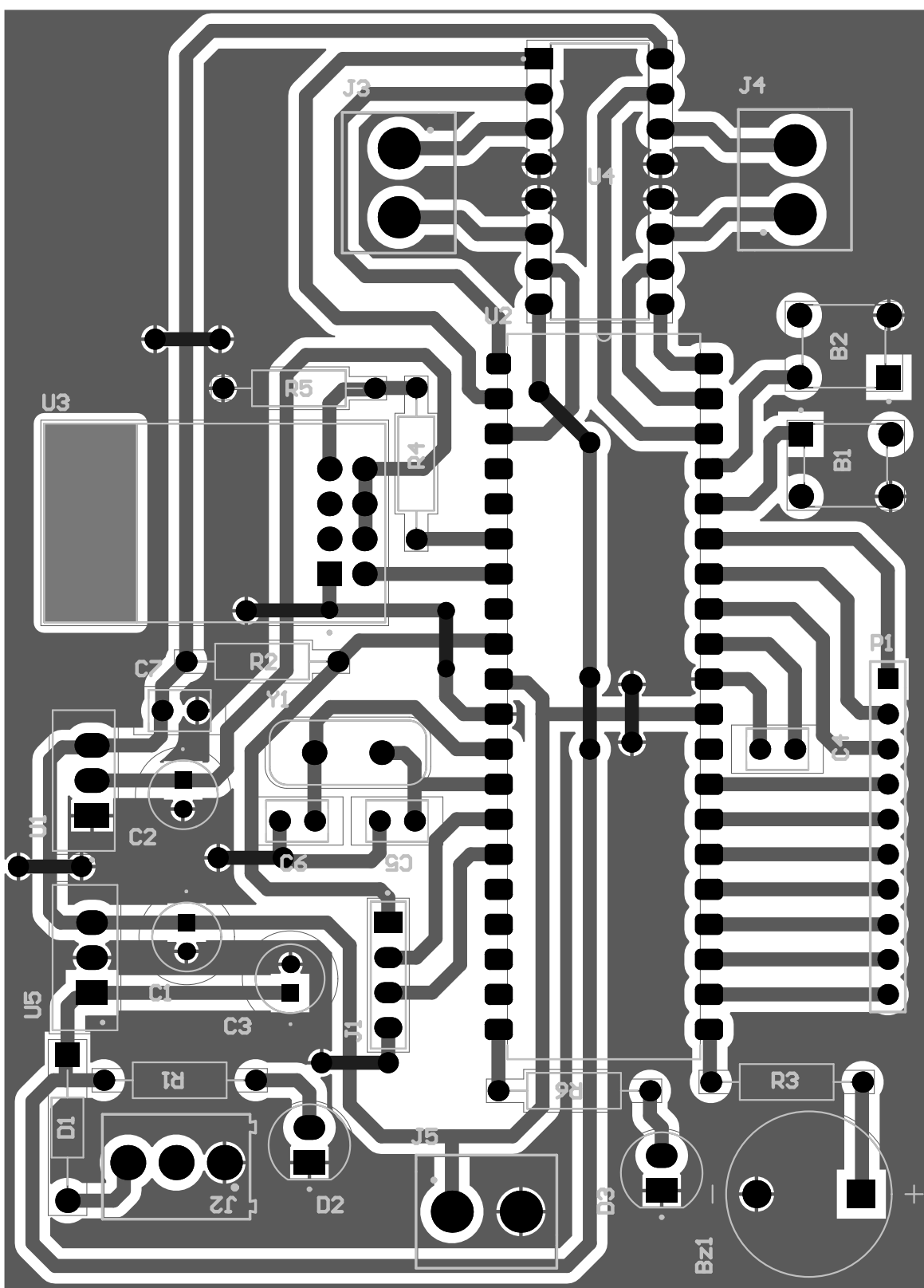


ESP Module



5V Output

Title		
AI CAR ACCIDENT DETECTION SYSTEM		
Size	Number	Revision
A3	01/01	
Date:	4-04-2023	Sheet of
File:	C:\Users\Victor\Documents\Schematic diagram.SchDoc	Drawn By: VictorX



Comment	Description	Designator	Footprint	UbRef	Quantity
Push button		B1, B2	SW_1302-66-95-BK-260-LCR-D	Push button	2
AI-1223-TWT-12V-R	ELECTRO-MECHANICAL AUDIO INDICATOR	Bz1	XDCR_AI-1223-TWT-12V-R	Buzzer	1
10uF	FS-A	C1, C2	CAPPRD500W50D500H1100	Electrolytic capacitor	2
100uF	FS-A	C3	CAPPRD500W50D500H1100	Electrolytic capacitor	1
100nF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C4, C7	CAPRB500W50L450T300H550	Ceramic capacitor	2
22pF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C5, C6	CAPRB500W50L450T300H550	Ceramic capacitor	2
1N4007	Diode Switching 1KV 1A 2-Pin DO-41	D1	D1OAD1060W70L43SD230	Diode	1
L08R5000Q1	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D2, D3	LEDRD25-4W57D500H1070	LED	2
Header 4	4 Position Header Connector Through Hole	J1	SULLINS_FPTC041LFB-N-RC	Female header - 4Pins	1
691214110003	3 Position Wire to Board Terminal Block Horizontal with Board 0.138 (3.50mm) Through Hole	J2	691214110003	Terminal blocks - 3Pins (5mail)	1
691111710002	2 Position Wire to Board Terminal Block Horizontal with Board 0.197 .5.00mm, Through Hole	J3, J4	691111710002	Terminal Block - 2Pins	2
TBlock 2	2 Position Wire to Board Terminal Block Horizontal with Board 0.197 .5.00mm, Through Hole	J5	691111710002	Terminal Block - 2Pins	1
Header 10	Header, 10-Pin	P1	HDR1X10	Header 10	1
3.3k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R1	RESAD1100W55L680D260	Resistor (0.25W)	1
10k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R2	RESAD1100W55L680D260	Resistor (0.25W)	1
100	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R3	RESAD1100W55L680D260	Resistor (0.25W)	1
1k1	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R4	RESAD1100W55L680D260	Resistor (0.25W)	1
2.2k	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R5	RESAD1100W55L680D260	Resistor (0.25W)	1
220	(MFR-25FBF52-10K) 10.2 kOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R6	RESAD1100W55L680D260	Resistor (0.25W)	1
LD1117V33		U1	TO25SP1020X450X1968-3	LD1117V33	1
ATMEGA 32	AVR AVR A* ATmega Microcontroller IC 8-Bit 16MHz 16KB .8K x 16_FLASH 40-PDIP	U2	DIP254P1524X482-40	ATMEGA16A-PU	1
ESP8266-01/ESP-01	MakerFocus 4pcs ESP8266-ESP-01 Serial Wireless WiFi Transceiver Receiver Module 1MB SPI Flash DC3.0-3.6V Internet of Things WiFi Module Board Compatible with Arduino	U3	XCVR_ESP8266-01/ESP-01	ESP8266-01 Module	1
L293D	4-Channel Motor Driver 24V 16-Pin Power PDIP Tube	U4	DIP880W50P254L2000H510Q16	L293D	1
LM7805		U5	TO254P1054X470X1955-3	LM7805	1
ECS-160-S-4	CRYSTAL T/H	Y1	XTAL_ECS-160-20-4X	Crystal oscillator	1