









-160.02 (mm)

Comment	Description	Designator	Footprint	LibRef	Quantity
3V	Multicell Battery	BT1	BATTERY 3.3V	Battery	
BUZZER	Loudspeaker	BZ1 C1, C2, C4, C5, C6, C9,	buzzer	Speaker	
Cap	Capacitor	C12	0805	Сар	
Cap	Capacitor	C3	1206	Сар	
100uF	Polarized Capacitor (Axial)	C7	100uF/50V SMD	Cap Pol2	
loodi	Polarized Capacitor	Ci		Cap i Oiz	
100uF	(Axial)	C8	1000uF/10V SMD	Cap Pol2	
100uF	Polarized Capacitor (Axial)	C10, C11	100uF/ 16V SMD	Cap Pol2	
	1 Amp General Purpose				
RFU02V SM6STR	Rectifier 1 Amp General Purpose	D1	SOD-323	Diode 1N4002	,
1N4148	Rectifier	D2	SOD-323	Diode 1N4002	
LED_RGB_CC		D3	LED RGB_5mm	LED_RGB_CC	
SN2D	1 Amp General Purpose Rectifier	D4. D5	DO-214	Diode 1N4002	
1N5822	Schottky Rectifier	D6	1N5822	Diode 10TQ045	
	Typical INFRARED				
	GaAs LED	D7, D8, D9, D10	1206	LED0	
OLCD 0.96 INC 128x64_V 2		DS1	OLED_0.96INCH_V2	OLCD 0.96 INC 128x64_V 2	
LCD 20x4 I2C		DS2	LCD16x2 I2C - V 2	LCD 20x4 I2C	
Jumper	Jumper Wire	J1, J2, J3, J4	0805	Jumper	
	Low Voltage Power		KI D 0202		
PWR2.5 Inductor	Supply Connector Inductor	J5	KLD-0202	PWR2.5 Inductor	
modeloi	Inductor Header, 8-Pin	P1, P2	L68uH_TOP HDR1X8	Header 8	
Header 4	Header, 8-Pin Header, 4-Pin	P1, P2 P3	HDR1X4	Header 8 Header 4	
		P4, P5, P7, P9, P12,			
SW DID 2	DIP Switch, 3 Position,	P13, P14, P15, P17, P18,	ELID EWITCH COLL	SW DID 3	
SW DIP-3	SPST	P20, P21, S2, S3 P6	SLID_SWITCH_3CH HDR1X3	SW DIP-3	1-
SENS_SELECT RS485	Header, 3-Pin Header, 2-Pin	P6 P8	DG300-02P_2PINS	Header 3 Header 2	
MOTOR_1	Header, 2-Pin Header, 2-Pin	P10	DG300-02P_2PINS DG300-02P_2PINS	Header 2 Header 2	
MOTOR_1	Header, 2-Pin Header, 2-Pin	P11	DG300-02P_2PINS	Header 2	
12V_TERMINAL	Header, 4-Pin, Dual row	P16	HDR2X4	Header 4X2	
5V_TERMINAL	Header, 4-Pin, Dual row	P19	HDR2X4	Header 4X2	
3V3_TERMINAL	Header, 4-Pin, Dual row	P22	HDR2X4	Header 4X2	
5V-12V	Header, 3-Pin	P23	HDR1X3	Header 3	
Header 10	Header, 10-Pin	P24, P25	HDR1X10	Header 10	
Step motor interface	Header, 5-Pin	P26	HDR 5 PIN 2.5mm	Header 5	
BC847	NPN Bipolar Transistor	Q1	KTC8550S	NPN	
RD3G500GN	N-Channel Power MOSFET	02 03	TO252-3M	NMOS-2	
	Darkton	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R26, R27, R28, R29, R30, R32	5 0005 M	David	
RPot	Resistor Potentiometer	R23, R24, R25	6-0805_M Potentiometer	Res1 RPot	21
LDR	Potentiometer	R31	LDR	LDR	•
	Double-Pole, Single-				
SW1	Throw Switch	S1	Tactile Switches SMD	SW-DPST	
protoboard		U1	PROTOBOARD_54x82m m	protoboard	
ARDUINO UNO		U2	ARDUINO UNO R3 -V2	ARDUINO UNO	
ESP32_DEVKIT_V1					
ESP32_DEVKII_VI	ESP32_DEV KIT_V 1	U3	ESP32_DEVKIT_V1	ESP32_DEVKIT_V1	
ARDUINO NANO	ARDUINO NANO	U3 U4	ESP32_DEVKIT_V1 ARDUINO_NANO		
ARDUINO NANO	ARDUINO NANO WeMos mini NodeMCU	U4	ARDUINO_NANO	ESP32_DEV KIT_V 1 ARDUINO NANO	
	ARDUINO NANO			ESP32_DEVKIT_V1	
ARDUINO NANO ESP-8266	ARDUINO NANO WeMos mini NodeMCU WIFI ESP-8266 RTC Extremely Accurate 12C-Integrate	U4	ARDUINO_NANO	ESP32_DEV KIT_V 1 ARDUINO NANO	
ARDUINO NANO ESP-8266 DS3231	ARDUINO NANO WeMos mini NodeMCU WIFI ESP-8266 RTIC Extremely Accurate I2C-Integrate 3ZRDIT, 40UKHZ, 2.5V, 12C Serial EEPROM, 8- Pin PDIP, Extended	U4 U5 U6	ARDUINO_NANO ESP8266	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266	
ARDUINO NANO ESP-8266 DS3231	ARDUINO NANO WeMos mini NodeMCU WiFi ESP-8266 RTC Extremely Accurate IZC-Integrate JZKDit, 4UURHZ, 2.5V, IZC Serial EEPROM, 8- Pin PDIP, Extended Temperature Digital-output relative	U4 U5	ARDUINO_NANO ESP8266 SOIC16W_N	ESP32_DEVKIT_V1 ARDUINO NANO ESP-8266 DS3231	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P	ARDUINO NANO WeMos mini NodeMCU WiFI ESP-8266 RT C Extremely Accurate I2C-Integrate 32RMI, 40URHZ, 2:5V, I2C Serial EEPROM, 8- Pin PDIP, Extended Temperature Digital-output relative humidity & temperature	U4 U5 U6	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8	ESP32_DEV.KIT_V1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P	ARDUINO NANO WeMos mini NodeMCU WiFi ESP-8266 RTC Extremely Accurate IZC-Integrate JZKDit, 4UURHZ, 2.5V, IZC Serial EEPROM, 8- Pin PDIP, Extended Temperature Digital-output relative	U4 U5 U6	ARDUINO_NANO ESP8266 SOIC16W_N	ESP32_DEVKIT_V1 ARDUINO NANO ESP-8266 DS3231	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC	ARDUINO NANO WeMos mini NodeMCU WeMos mini NodeMCU WIFI ESP-8266 RT LE EXTERNEY ACCURATE SZKOR, 40UKHZ, 2DV, SZKOR, 40UKHZ, 2DV, LC Serial EEFRCM, 8-Pin PDIP, Extended Temperature Uigital-output relative humidily & temperature sensori module Dingital-output relative humidily & temperature sensori module Lingital-output relative sensori module Lingital-output relative sensori module Lingital-output relative sensori module Lingital-output relative humidily & temperature sensori module	U4 U5 U6	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8	ESP32_DEV.KIT_V1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22	ARDUINO NANO WeMos min NodeMCU WIPI ESP-8266 RT LE SKIRMIN PACCURATE ZCHINING AUGUST ZCHINING AUGUST ZCHINING AUGUST ZEN SIGNEY ZEN	U4 U5 U6 U7 U8	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN	ESP32_DEV KIT_V 1 ARBUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22	ARDUINO NANO WeMos mini NodeMCU WeMos mini NodeMCU WIFI ESP-8266 RTU E XRIPMEN ACCURATE SZCNIL, 40UKHZ, 2.5V, SZCNIL, 40UKHZ, 2.5V, ENDEROM, 8-Pin PDIP, Extended Temperature Ugital-output relative hurridig & temperature sensor module Ungital-output metalive hurridig & temperature sensor module Ungital-output relative hurridig & temperature sensor module UP Trogrammer Resolution, 1-Wire digital Thermometer Resolution, 1-Wire digital	U4 U5 U6 U7 U8	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC	ESP32_DEV KIT_V1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820	ARDUINO NANO WeMos mini NodeMCU WeMos mini NodeMCU WiFI ESP-8266 RTU E XIRPINEY ACCURATE SZCNI, 40UNFLY, 2.5V, SZCNI, 40UNFLY, 2.5V, EVENDED TO SZCNI, 40UNFLY, 2.5V EVENDED TO SZCNI, 40UNFLY, 40UNFLY	U4 U5 U6 U7 U8	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN	ESP32_DEV KIT_V 1 ARBUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR	ARDUINO NANO WeMos min NodeMCU WIPI ESP-8266 RT LE Extremely ACCURATE 2CV Integrate 32KOIT, 40URFLY, 2.5V, 32KOIT, 40URFLY, 2.5V, 12C Serial EEPROM, 8- Pin PDIP, Extended Temperature bigiliar-output relative humidity & temperature sensori module Digiliar-output relative humidity & temperature sensori module IC Programmer Resolution, 1-ViVre digital Thermometer Motion Sensor Module HC-SR501	U4 U5 U6 U7 U8 U9 U10 U11	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR	ARDUINO NANO WeMos min NodeMCU WeMos min NodeMCU WeMos min NodeMCU WeMos Season RTLE SERIEMS PACCURATE SECHING PACCURATE SECHING PACCURATE SECHING PACCURATE SECHING PACCURATE DIGITAL COUNTY SERIEMS PACCURATE SERIEMS PACCUR	U4 U5 U6 U7 U8 U9	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN	ESP32_DEV KIT_V 1 ARBUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR SN74HC04N	ARDUINO NANO WeMos mini NodemCU WeMos mini NodemCU WiFI ESP-8266 RTU-EXFORMS PACCURATE SZCNI, 40UNFLZ, 2.5V, SZCNI, 40UNFLZ, 2.5V, ESPIN PDIP, Extended Temperature Sensor module Jugital-output relative hurridity & temperature sensor module IL Priogramme Resolution, 1-Wire digital Thermorrater Motion Sensor Module HC-SR501 Hex Schmitt-Tague Ilinverter JUFFERENTIAL BUS TRANSCEIVER RS-	U4 U5 U6 U7 U8 U9 U10 U11 U12	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR SN74HC04N	ARDUINO NANO WeMos min NodeMCU WIPI ESP-8266 RT LE SEMENTE PACCURATE ZCANIER PACCURATE ZANIER PACCUR	U4 U5 U6 U7 U8 U9 U10 U11	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR SN74HC04N	ARDUINO NANO WeMos min NodeMCU WIPI ESP-8266 RT LE SEMENTE PACCURATE SECHNICATE PACCURATE SECHNICATE SECHNICAT	U4 U5 U6 U7 U8 U9 U10 U11 U12	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR SN74HC04N SN75176BDR DELAY_2CH_MODULE	ARDUINO NANO WeMos mini NodemCU WeMos mini NodemCU WiFI ESP-8266 RTU-EXTREMENT ACCURATE SZCNII, 40UNFIZ, 2.5V, SZCNII, 40UNFIZ, 2.5V, Pini PDIPI, Extended Temperature Sensor module Jugita-output relative humdig & temperature sensor module LC Programmer Resolution, 1-Wire digital Themmonater Motion Sensor Module Hc-SR501 Hex Schmitt-Trigger Iniverter DIFFERENTIAL BUS TRANSCELVER RS- 485/RS-422 2-CHANNET DELY MODULE YSCHMINI ARRAY	U4 U5 U6 U7 U8 U9 U10 U11 U12 U13	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M SOIC8_L 2CHANNEL_DELAY V3	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485 DELAY_2CH_MODULE	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC04N SN75176BDR DELAY_2CH_MODULE TM1638	ARDUINO NANO WWMOS mn NodeMCU WIFI ESP-8266 RT LEXIGNEY ACCURATE SZKORT AUGUST LEVEN ACCURATE SZKORT AUGUST LEVEN ACCURATE SZKORT AUGUST LEVEN ACCURATE DIGITAL AUGUST LEVEN ACCURATE DIGITAL AUGUST RESIDENCE HUMBIG & temperature sensor module DIGITAL AUGUST RESIDENCE HUMBIG & temperature sensor module IC Programmer RESOLITION I-Wire digital Thermometer MOION SENSOR MODULE HEX SCHMITT TRIGGET INVESTOR INVESTOR AUGUST RESIDENCE STRANSCEIVER RES- 486/RS 422 2-CHANNEL DELEY MODULE 7 SEGMENT ARRAY LED & KEY- IC TMR33	U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M SOIC8_L 2CHANNEL_DELAY V3 TM1638 - V2	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485 DELAY_2CH_MODULE TM1638	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC04N SN75176BDR DELAY_2CH_MODULE TM1638	ARDUINO NANO WeMos mini NodemCU WeMos mini NodemCU WiFI ESP-8266 RTU-EXTREMENT ACCURATE SZCNII, 40UNFIZ, 2.5V, SZCNII, 40UNFIZ, 2.5V, Pini PDIPI, Extended Temperature Sensor module Jugita-output relative humdig & temperature sensor module LC Programmer Resolution, 1-Wire digital Themmonater Motion Sensor Module Hc-SR501 Hex Schmitt-Trigger Iniverter DIFFERENTIAL BUS TRANSCELVER RS- 485/RS-422 2-CHANNET DELY MODULE YSCHMINI ARRAY	U4 U5 U6 U7 U8 U9 U10 U11 U12 U13	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M SOIC8_L 2CHANNEL_DELAY V3	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485 DELAY_2CH_MODULE	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC04N SN75176BDR DELAY_2CH_MODULE TM1638 ULN2003	ARDUINO NANO WeMos min NodemCU WeMos min NodemCU Wilf ESP-8266 RT LE STIFFIER SECRETARY ACCURATE ZCHINGRING SECRETARY AUGUST LECT Serial EEPROM. 8- Pin PDIP, Extended Temperature Digital-output relative humidity & temperature sensor/ module Digital-output relative humidity & temperature sensor/ module LC Programmer Resolution, 1-Wire digital Thermometer Motion Sensor Module HC-SR501 Hex Schmith Trigger Inverter DIPERENTIAL BUS TRANSCEIVER RS- 485/RS-422 ZCHANNEL DELAY MODULE 7 SEGMENT ARRAY LED & KEY - IC TM1638 IC Easy Switcher 3.0A Step-	U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M SOIC8_L 2CHANNEL_DELAY V3 TM1638 - V2 SOIC-SL16_M	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485 DELAY_2CH_MODULE TM1638 ULN2003	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC04N SN75176BDR DELAY_2CH_MODULE TM1638 ULN2003 LM2576T-5	ARDUINO NANO WWMOS min NodeMCU WIFI ESP-8266 RT C-Entrinsip Recurate RT C-Entrinsip RT RANSCELVER RS-485 RS-422 Z-TANNEL DELAY MODULE RT RANSCELVER RS-485 RS-422 Z-TANNEL DELAY MODULE RT RESPONSIBILITY RESPONSIBIL	U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M SOIC3_L 2CHANNEL_DELAY V3 TM1638 - V 2 SOIC-SL16_M LM2576SX-5.0/NOPB	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485 DELAY_2CH_MODULE TM1638 ULN2003 LM2576T-5	
ARDUINO NANO ESP-8266 DS3231 24LC32A-E/ P ULTRASONIC DHT22 DS1820 PIR SN74HC04N SN75176BDR DELAY_2CH_MODULE TM1638 ULN2003	ARDUINO NANO WeMos min NodemCU WeMos min NodemCU Wilf ESP-8266 RT LE STIFFIER SECRETARY ACCURATE ZCHINGRING SECRETARY AUGUST LECT Serial EEPROM. 8- Pin PDIP, Extended Temperature Digital-output relative humidity & temperature sensor/ module Digital-output relative humidity & temperature sensor/ module LC Programmer Resolution, 1-Wire digital Thermometer Motion Sensor Module HC-SR501 Hex Schmith Trigger Inverter DIPERENTIAL BUS TRANSCEIVER RS- 485/RS-422 ZCHANNEL DELAY MODULE 7 SEGMENT ARRAY LED & KEY - IC TM1638 IC Easy Switcher 3.0A Step-	U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16	ARDUINO_NANO ESP8266 SOIC16W_N PDIP300-P8 ULTRASONIC DHT22_4PIN HDR 3 PIN PIR SOIC14T_M SOIC8_L 2CHANNEL_DELAY V3 TM1638 - V2 SOIC-SL16_M	ESP32_DEV KIT_V 1 ARDUINO NANO ESP-8266 DS3231 24LC32A-E/P ULTRASONIC DHT22 DS1820 PIR SN74HC14N MAX485 DELAY_2CH_MODULE TM1638 ULN2003	