



Comment	Description	Designator	Footprint	LibRef	Quantity
	Color 320x240 Display, 2.2 inch, ILI9341				
	Controller				
	https://www.pjrc.com/s tore/display_ili9341.ht				
DISPLAY ILI9341	ml 32 Bit Arduino-	BRD	Display ILI9341	Display	1
	Compatible			_	
Teensy 3.2	Microcontroller	BRD1	Teensy	Teensy	1
Adafruit Ultimate GPS	Adafruit Ultimate GPS	BRD2	GPS	GPS - Adafruit	I
BNO055 IMU		BRD3	BNO055 Board	BNO055 Board	1
HMC6343 Compass	SparkFun HMC6343 Breakout SEN-12916	BRD4	HMC6343	HMC6343	1
	Bluetooth / 802.15.1 Development Tools				
DED22102	RFduino BLE 4.0 DIP	DDDC	Simblee RFduino	Ciarbia - Adamsa	1
RFD22102	(Arduino-Compatible) Sparkfun ESP8266	BRD5	Adapter	Simblee Adapter	I
ESP8266	Module (WRL-13678)	BRD6	ESP8266	ESP8266	1
	Adafruit ADXL377 - High-G Triple-Axis				
AXDL377	Accelerometer (+-200g Analog Out)	BRD7	AXDL377 Breakout	AXDL377 Breakout	1
0.1uF	CAP CER 0.1UF 50V 10% X7R 0603 CAP ALUM 330UF 20%	C1, C4, C5, C7, C8	RAD-0.2	Сар	5
330uF	50V RADIAL LED GREEN DIFFUSED	C2, C3, C6	Elec. Cap 5 x 10mm	SMD Elec	3
Green	0805 SMD	D1	5mm Rad LED	LED - Green	1
Red	LED RED DIFFUSED 0805 SMD	D2	5mm Rad LED	LED - SMD	1
RK 16V1	DIODE SCHOTTKY 60V 2A AXIAL	D3, D4, D5	DIODE-0.4	Schottky Diode	3
4 Pos Mini-Fit Jr.	CONN HEADER 4POS 4.2MM VERT TIN	J1, J2	4 POS Vertical MINI-FIT JR	4 Pos Header Vert	2
	4.2IVIIVI VEICI IIIV		2 pos Mini-Fit Jr. R/A		
39-30-1020	Ferrite Bead 80ohms	J3	Header	2 Pos Header	1
80 Ohms	100MHz 5A Monolithic 0805 SMD	L1	0805	Ferrite Bead	1
DNP	Header, 18-Pin	P1	HDR1X18	Header 18	1
DNP	Header, 19-Pin	P2	HDR1X19	Header 19	1
DNP	Header, 3-Pin	P3, P4, P5, P6, P7, P8, P9, P12	HDR1X3	Header 3	8
	Resettable Fuses - PPTC				
0.9 Amp POLYFUSE	60V POLYFUSE .900A RADIAL LEADS	PTC1	PTC	PTC	1
	RES SMD 1K OHM 1%	D1	Autol O 4	Chin Doninton	1
180k	1/10W 0603	R1	Axial-0.4	Chip Resistor	I
	RES SMD 4.7K OHM 1%				
	1/8W 0805, RES SMD 4.7K OHM 1% 1/8W				
	0805, RES SMD 4.7K OHM 1% 1/8W 0805,				
	RES SMD 4.7K OHM 1%				
4.7k	1/8W 0805, RES SMD 1K OHM 1% 1/10W 0603	R2, R5, R6, R7, R8	Axial-0.4	Chip Resistor	5
30k	RES SMD 1K OHM 1%	R3	Avial 0.4	Chip Resistor	1
	1/10W 0603 RES SMD 1K OHM 1%		Axial 0.4	,	
120	1/10W 0603 RES SMD 1K OHM 1%	R4	Axial-0.4	Chip Resistor	1
1k	1/10W 0603 RES SMD 1K OHM 1%	R9	Axial-0.4	Chip Resistor	1
100	1/10W 0603	R10	Axial-0.4	Chip Resistor	1
	High-Speed CAN Transceiver, 8-Pin PDIP,				
MCP2562	Industrial Temperature	U1	PDIP300-P8	MCP2551-I/P	1
OKI-78SR	5V DC/DC Converter (7805 replacement)	U2	78xx	7805	1
	LDO Voltage Regulators 1A CMOS				
MCP1826S	LDO Vout 3.3V ETR	U3	78xx	7805	1
SMA6J	TVS DIODE 15VWM 24.4	Z1	DIODE-0.4	Zener - Bidirectional	1