

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1	6-0805_L	Cap	1
10nF	Capacitor	C2, C5	6-0805_L	Cap	2
47pF	Capacitor	C3, C4	6-0805_L	Cap	2
4.7u		C6, C16	6-0805_L	C	2
100n		C7, C8, C9, C10, C11, C13, C14, C15	6-0805_L	C	8
10uF		C12	6-0805_L	C	1
4.7uF, 35V	Multilayer Ceramic Capacitors 4.7uF ±10% 35V X7R SMD 0805	C17, C19	6-0805_L	CMP-08246-002735-1	2
10uF, 10V	CAP CER 10UF 10V X5R 0805	C18	6-0805_L	CMP-2007-03243-2	1
6.8uF, 10V	Cap Ceramic 6.8uF 10V X5R 20% Pad SMD 0805 +85°C Automotive T/R	C20	6-0805_L	CMP-08246-000118-1	1
C0805C106K8PACTU	CAP CER 10UF 10V X5R 0805	C21	FP-C0805C-DG-MFG	CMP-2007-03243-2	1
GRM21BR61A226ME44L	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 22uF, X5R, 15%, 20%, 10V	C22	FP-GRM21B-0_2-e0_2_0_7-IPC_C	CMP-06035-039918-1	1
CLP6C-FKB-CK1P1G1BB7R3R3	LED RGB DIFFUSED 6PLCC SMD	D1	FP-CLP6C-FKB-CK1P1G1BB7R3-MFG	CMP-13977-000020-2	1
BAS40		D2, D3	BAS40	BAS40_0	2
Super Red, 1.9 V	SMT Mono-color Chip LED Waterclear WL-SMCW, size 0805, Super Red, 1.9 V, 140 deg, 60 mcd	D4, D5, D6	WL-SMCW_0805	150080SS75000	3
5011	Test Point, Black, Through Hole, RoHS, Bulk	GND1, GND2, GND3, GND4	KSTN-5011_V	CMP-1672-00003-4	4
1043P	BATT HOLDER 18650 1 CELL PC PIN	J1	FP-1043P-MFG	CMP-19636-000034-1	1
BNO055-ADAFRUIT		K1		BNO055-ADAFRUIT	1
742792133	SMD EMI Suppression Ferrite Bead WE-CBF, Z = 600 Ohm	L1	SMD-1206	CMP-0220-00010-1	1
SRN6045-1R0Y	FIXED IND 1uH 4.2A 13.9 MOHM SMD	L2	FP-SRN6045-MFG	CMP-07248-000038-1	1
M3, Length 5mm	WA-SMSI SMT Steel Spacer, M3 Thread Internal, Length 5mm	MP1, MP2, MP3, MP4, MP5	troueAbraser	9774050360	5
Header 6	Header, 6-Pin	P1	HDR1X6	Header 6	1
Header 4	Header, 4-Pin	P2, P3, P5	HDR1X4	Header 4	3
Header 7	Header, 7-Pin	P4	HDR1X7	Header 7	1
Header 2	Header, 2-Pin	P6, P11	HDR1X2	Header 2	2
Header 5	Header, 5-Pin	P7	HDR1X5	Header 5	1
Header 3	Header, 3-Pin	P8, P9, P10	HDR1X3	Header 3	3
BSS138LT1G	Power MOSFET, 200 mA, 50 V, N-Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q1, Q2, Q3, Q5, Q7, Q8	ONSC-SOT-23-3-318-08_V	CMP-1058-00767-1	6
NVR1P02T1G	Power MOSFET, -20 V, -1 A, P-Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q4, Q6, Q9	ONSC-SOT-23-3-318-08_V	CMP-1058-00745-1	3
	Resistor	R1, R2, R3, R4	AXIAL-0.4	Res2	4
Res2	Resistor	R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R25, R26, R27, R44	6-0805_L	Res2	19
47k		R20	6-0805_L	R	1
10k		R21, R22, R23, R24, R31, R34, R41, R43, R46, R47, R49	6-0805_L	R, CMP-2001-04376-1, CMP-2001-00410-1	11
270R		R28, R29, R30, R38	6-0805_L	CMP-2001-00528-1	4
6.2k		R32, R40	6-0805_L	CMP-2001-04031-1, CMP-2001-00562-1	2

2.2k		R33	6-0805_L	CMP-1013-00510-2	1
39k		R35, R36, R37, R42	6-0805_L	CMP-2001-00410-1	4
100k		R39	6-0805_L	CMP-2001-00479-1	1
Res2	Resistor	R45	AXIAL-0.4	Res2	1
430R		R48	6-0805_L	CMP-2001-00410-1	1
KSA0A210		S1	6x6_mm_SMD_W S-TASV	KSA0A210	1
473521001	MicroSD(TM), Pitch 1.1 mm, 8 Position, Height 1.88 mm, -20 to 85 degC, RoHS, Tape and Reel	SD1	MOLX- 473521001_V	CMP-2000-05848-1	1
FT230XS-U	USB to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible, - 40 to +85 degC, 16- Pin SSOP, Pb- Free, Tube	U1	SSOP-16_N	CMP-0248-00025-2	1
PIC32MX130F256D I_PT	Microchip PIC32MX130F256D I/PT, 32bit PIC Microcontroller, 40MHz, 256 kB Flash, 44-Pin TQFP	U2	QFP80P1200X1200 X120-44N	PIC32MX130F256D I_PT	1
SN74HC138DR	IC 3-8 LINE DECOD/DEMUX 16 SOIC	U3	FP-D0016A-IPC_A	CMP-1633-00238-3	1
MCP73871T- 2CCI/ML	Charger IC Lithium Ion/Polymer 20- QFN_4x4_	U4	Microchip_CO4- 126_IPC_B	MCP73871T- 2CCI/ML	1
MAX1793EUE33+		U5	TSOP65P640X110_ HS-17N	MAX1793EUE33+	1
TPS61022RWUT	POWER MANAGEMENT	U6	FP-RWU0007A- MFG	CMP-04918- 000300-1	1
3.3V	Test Point, 1 Position SMD, RoHS, Tape and Reel	V1	KSTN-5019_V	CMP-1672-00008-1	1
VBOI	Test Point, 1 Position SMD, RoHS, Tape and Reel	V_btnON1	KSTN-5019_V	CMP-1672-00008-1	1
Vcharge	Test Point, 1 Position SMD, RoHS, Tape and Reel	V_regIN1	KSTN-5019_V	CMP-1672-00008-1	1
Vregu	Test Point, 1 Position SMD, RoHS, Tape and Reel	V_regOUT1	KSTN-5019_V	CMP-1672-00008-1	1
Vbat	Test Point, 1 Position SMD, RoHS, Tape and Reel	Vbat1	KSTN-5019_V	CMP-1672-00008-1	1
Jumper	Jumper Wire	W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21	RAD-0.2	Jumper	21
U262-161N- 4BVC11	U262-161N- 4BVC11 XKB Connectivity	X1	GCT_USB4105-GF- A	USB-C Type 2.0	1
XTAL	Crystal Oscillator	Y1	R38	XTAL	1