

Comment	Description	Designator	Footprint	LibRef	Quantity
3.3V	Test Point, 1 Position SMD, RoHS, Tape and Reel	+3.3V	KSTN-5019_V	CMP-1672-00008-1	1
Vbat	Test Point, 1 Position SMD, RoHS, Tape and Reel	BAT_LVIL_GND, GND1, LED_B, LED_G, LED_R, RX1, TX1, Vbat, Vbus, Vcc	KSTN-5019_V	CMP-1672-00008-1	11
1042P	BATTERY HOLDER 18650 SMD TAB	BT1	FP-1042P-MFG	CMP-19636-000019-1	1
4.7uF	Capacitor	C1, C2, C3	CAP_0805	Cap	3
4.7uF, 35V	Multilayer Ceramic Capacitors 4.7uF ±10% 35V X7R SMD 0805	C4	CAP_0805	CMP-08246-002735-1	1
6.8uF, 10V	Cap Ceramic 6.8uF 10V XSR 20% Pad SMD 0805 +85°C Automotive 1/R	C5	CAP_0805	CMP-08246-000118-1	1
22pF, 10V	CAP 22pF 10V ±10% 0805 (2012 Metric) Thickness 0.75mm SMD	C6, C7	CAP_0805	CMP-1036-01211-1	2
10uF, 10V	CAP CER 10uF 10V XSR 0805	C8	CAP_0805	CMP-2007-03243-2	1
100nF, 50V	WCAP-CSGP General Purpose Ceramic Capacitors, size 0805, 100nF, +/- 10%, 50VDC	C9, C10, C11, C12, C13	CAP_0805	885012207098	5
LED R	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D1, D5	3.2X1.6X1.1	LED2	2
LED G	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D2, D7	3.2X1.6X1.1	LED2	2
LED B	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3	3.2X1.6X1.1	LED2	1
BA516	Silicon Switching Diode, SOT23, Reel, Green	D4	INF-SOT23_L	CMP-1176-00017-1	1
SS14-E3/SAT	Schottky Barrier Rectifier, 40 V Maximum DC Blocking Voltage, 65 to 125 degC, 2- Pin SMA Case, RoHS	D6	VISH-DO-214AC-2_V	CMP-0549-00004-1	1
XMLDCL-00-R250-00C5AAA02	High Power LEDs- Multi-Colour RGB, White 4000K LED	D8, D9	XMLDCL00R25000- CSAAA02	XMLDCL-00-R250-00C5AAA02	2
691214110002	Serie 2141 - 3.50 mm Horizontal Entry Modular with Rising Cage Clamp WR-TBL, 2 pin	J1	691214110002	CMP-1502-02464-1	1
SMTB0827TWR	Loudspeaker	LS1	XDCR_SMTB-0827- TW-R	Speaker	1
61300611121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 6 pins	P1	61300611121	CMP-1502-01070-1	1
691311700004	Serie 3117 - 5.00mm Open Vertical PCB Header WR-TBL, 4 pin	P2	691311700004	CMP-1502-02028-1	1
Header 16	Header, 16-Pin	P3	SHDR16W77P254L- 2XB_2764X859X1- BMP	Header 16	1
NVR1P02T1G	Power MOSFET, - 20 V, -1A, P- Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q1	ONSC-SOT-23-3- 318-08_V	CMP-1058-00745-1	1
BSS138LT1G	Power MOSFET, 200 mA, 50 V, N- Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q2	ONSC-SOT-23-3- 318-08_V	CMP-1058-00767-1	1
IRLML2402	MOSFET N-CH 20V 1.2A SOT-23	Q3, Q4, Q5, Q6, Q7	FP-Micro3-IPC_B	CMP-32901-000179-1	5
5K1	Resistor	R1, R2	RES_0805	Res2	2
360R	Resistor, [NoValue]	R3, R4, R26	RES_0805	Res2, CMP-2001-09528-1	3
420R	Resistor, [NoValue]	R5, R19	RES_0805	Res2, CMP-2001-09528-1	2
39K	Resistor	R6, R11	RES_0805	Res3	2
39K	Resistor	R7	RES_0805	Res3	1
10K	Resistor, [NoValue]	R8, R13, R22, R28, R29, R30, R31, R32, R38	RES_0805	Res2, CMP-2001-04376-1	9
5K6	Resistor	R9	RES_0805	Res2	1
2K2	Resistor	R10	RES_0805	Res2	1
270R	Resistor	R12	RES_0805	Res3	1
100K	[NoValue], Resistor	R14, R23, R33, R39, R44, R48	RES_0805	CMP-2001-00479-1, Res2	6
24R	Resistor	R15, R16	RES_0805	Res2	2
20K	Resistor	R17	RES_0805	Res2	1
1K	Resistor, [NoValue]	R18, R24	RES_0805	Res2, CMP-1013-00510-2	2
150R	Resistor	R20	RES_0805	Res2	1
200R	Resistor	R21, R27, R37, R40, R47	RES_0805	Res2	5
100R	Resistor	R25	RES_0805	CMP-2001-04723-1	1
2R	Resistor	R34, R41	RES_0805	Res2	2
3.3R	Resistor	R35, R42	RES_0805	Res2	2
6R	Resistor	R36, R43	RES_0805	Res2	2
15R	Resistor	R45	RES_0805	Res2	1
PEC12R-2220F-50024	ROTARY ENCODER MECHANICAL 24PPR	S1	XDCR_PEC12R- 2220F-50024	CMP-07421-000062-1	1
430182043816	WS-TASV SMD Tact Switch 6X6 mm	SW1	430182043816	CMP-1452-00013-1	1
MCP73871T-2CCI/ML	Charger IC Lithium Ion/Polymr 20- QFN_4x4	U1	Microchip_C04V2	MCP73871T-2CCI/ML	1
CYC642ZS-28PVXCT	USB-to-UART Bridge Controller, 3 to 5.25 V, 0 to 70 degC, 28-Pin SSOP (PVX28), Tape and Reel	U2	CYP-PVX28_M	CMP-0967-00141-1	1
MAX1793EUE33-		U3	TSOP69P40X110- HS-17N	MAX1793EUE33-	1
PIC32MZ50F2560-I/PT	32-bit Microcontroller with Audio and Graphics Interface, USB and Advanced Analog, 50 MHz, 33 I/O, PMP, -40 to 85 degC, 44-pin TQFP (PT40), Tray	U4	MCMP-TQFP- PT40_M	CMP-0048-00499-1	1
3362P-1-102LF	1.0Ohms 0.5W, 1/2W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment	VR1	TRIM_3362P-1- 102LF	3362P-1-102LF	1
U262-161N-4BVC11	U262-161N- 4BVC11 XRB Connectivity	X1	GCT_USB4105-GF- A	USB-C Type 2.0	1
8MHz, 12p	Resistance Weld SMD Crystal, 8 MHz, +/- 30 ppm, 12 pf, -20 to 70 degC, 2-Pin SMD, RoHS, Tape and Reel	Y1	FOX_FOXSDF160- 20_V	CMP-1749-00001-1	1