





Comment	Description	Designator	Footprint	LibRef	Quantity
22u	MLCC, 0603, 22u, 10% 16V_X5R	C100, C101	MLCC_0603_M	CMP-001-1264-1	2
4.7u	MLCC, 0805, 4.7u, 10% 50V_X5R	C102	MLCC_0805_M	CMP-001-0828-2	1
100n	MLCC, 0603, 100n, 10% 35V_X7R MLCC, 0603, 100n, 10% 50V_X7R	C103, C105, C107, C108, C109, C111	MLCC_0603_M	CMP-001-0755-1, CMP-001-0815-1	6
4.7u	MLCC, 1206, 4.7u, 10% 35V_X5R	C104	MLCC_1206_M	CMP-001-1124-2	1
1n	MLCC, 0603, 1n, 10% 50V_X7R	C106	MLCC_0603_M	CMP-001-0786-1	1
T495B106K025ATE750	10uF Solid MnO2 Tantalum Electrolytic Capacitor, 25 VDC +/- 10%, T495 Series	C110, C112	593D106XG025C2TE3-Footprint-1	CMP-0001-00298-2	2
1	Rectifier Diode, Schottky, 1 Phase, 1 Element, 1A 20V (VRRM), Silicon, DO-221AC	D100, D105	FP_MBR1020VL_R1_0000-1-MFG	CMP-ROOT-01310-1	2
Red	Rectifier Diode, Schottky, 1 Phase, 1 Element, 2.3A, 100V (VRRM), Silicon, DO-221AC	D101	VSSAF3M10HMG3_H-Footprint-1	CMP-ROOT-01308-1	1
	Power Connector	J102, D103, D104, D106	0603 RED LED	CMP-ROOT-00025-2	4
B2B-PH-K-S(LF)(SN)	Connector Header, PH Series, 2 Position, 2.00mm, Through Hole, Press Fit, Solder, Natural	J100	JST-B2B-PH-K-S_V	CMP-ROOT-01319-1	1
XT30U-F	Power Connector	J101	XT30U-F	CMP-ROOT-01262-2	1
CUSTOM ESC	Custom ESC pinout	J102	CUSTOM ESC-Footprint-1	CMP-ROOT-01320-3	1
61301011121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row, 10 pins	J103	61301011121	CMP-ROOT-01212-1	1
USB4085-GF-A	USB Connector, 16 Contact(s), Female, Right Angle, Solder Terminal, Locking, Receptacle	J104	FP-USB4085-GF-A-MFG	CMP-001-1800-1	1
74404043220A	General Purpose Inductor, 22uH, 20% 1 Element, Nickel-zinc Ferrite-Core, SMD, 1616	L100	WE-LQs_4025	CMP-ROOT-01309-1	1
Buzzer	7mm	LS100	Buzzer-Footprint-1	CMP-ROOT-01315-3	1
M20-9990345	Connector Header Through Hole 3 position 0.100" (2.54mm)	P100	3Pos Pin Header	CMP-ROOT-00217-1	1
B6B-ZR(LF)(SN)	Header for PCB; pitch 1.50mm; 6-contacts; THT; male; top entry; 50V/1A	P101, P102	FP-B6B-2R-SM-TF_LF_SN-MFG	CMP-ROOT-01270-3	2
SIS427EDN-T1-GE3	Trans MOSFET-P-CH 30V 15A 8-Pin PowerPAKEP T/R	Q100	Copy of TPN2R304PLL1Q-Footprint-1	CMP-ROOT-01317-1	1
MMBT3904-TP	TRANSNPN 40V 0.2A SOT23	Q101	SOT-23-3	CMP-ROOT-00274-1	1
100R	Resistor, 0603, 100R 1%, 1/10W, Resistor, 0603, 100R, <5%, ±1/16W	R100, R104, R105	Resistor_0603_M	CMP-001-0054-5, CMP-0001-00262-1	3
680R	Resistor, 0603, 680R 1%, 1/10W	R101	Resistor_0603_M	CMP-001-0074-3	1
22R	Resistor, 0603, 22R 1%, 1/10W	R102, R110, R112	Resistor_0603_M	CMP-001-0038-3	3
200R	Resistor, 0603, 200R 1%, 1/10W, Resistor, 0603, 220R, 1%, 1/10W	R103, R106, R111	Resistor_0603_M	CMP-001-0060-2, CMP-001-0061-2	3
5.1k	Resistor, 0603, 5.1k, 1%, 1/10W	R107, R109	Resistor_0603_M	CMP-001-0094-2	2
1k	Resistor, 0603, 1k, 0.1%, 1/16W	R108	Resistor_0603_M	CMP-0001-00237-1	1
1M	Resistor, 1206, 1M, 1%, 1/4W	R113	Resistor_1206_M	CMP-0001-00051-1	1
4.7k	Resistor, 0603, 4.7k, 1%, 1/10W	R114, R115	Resistor_0603_M	CMP-001-0093-2	2
USLPT2819DT4TR	Keypad Switch, SPST, 0.05A, 1.96N, Solder Terminal, Panel Mount	S100	USLPT2819DT4TR-Footprint-1	CMP-ROOT-01290-3	1
NanoS3	Unexpected Maker's NanoS3 DevKit DC Motor Driver 2.7V to 5.5V 24-Pin SSOP Embossed T/R	U100	NanoS3	CMP-00023-1	1
TB6612FNGC..EL	Switching Regulator, Current-mode, 0.3A, 230kHz Switching Freq Max, PD505	U101	FP-S30P24-P-300-0.65A-MFG	CMP-00025-1	1
RAA2118054GP3#U0		U102	F5_064B_MFG	CMP-00019-3	1