





Comment	Description	Designator	Footprint	LibRef	Quantity	Manufacturer_Pa	Misfit Price
CAP-NP	CAP, XXX, 50V, NI	C1	0603_CAP_no ov	CAP-NP	1		
4.7uF	CAP 0603 CER 4.7	C2, C5, C19	CAP_0603_H	altiumdb4ee8d10	3	JMK107BJ475KA-	0
CAP-NP	CAP, XXX, 50V, NI	C3, C13, C16	0603_cap	CAP-NP	3		
0.1uF	CAP CER 0.1UF 50	C4, C6, C7, C8, C	CAP_0603_H	altiumdb529bf947	9	CL10F104ZB8NNM	0
CAP-NP	CAP, XXX, 50V, NI	C11	0603 - no overlay	CAP-NP	1		
0.22uF	CAP CER 0.1UF 50	C12	CAP_0603_H	altiumdb529bf947	1	CL10F104ZB8NNM	0
1uF	CAP 0603 CER 1UF	C14	CAP_0603_H	altiumdb4ee8b0b	1	C0603C105K8PA0	0
10pF	CAP 0603 CER 10	C17, C18	CAP_0603_H	altiumdb4ee8b06	2	C0603C100J5GA0	0
100uF	100uF 35V SMD	C21	UWT1V101MCL1G	altiumdb57a880e	1	UWT1V101MCL1G	0
CAP-NP	CAP, XXX, 50V, NI	C24	0805	CAP-NP	1		
BAT-64-05W-E63	DIODE SCHOTTK	D1	BAT-64-05W-E63	altiumdb4f1b2093	1	BAT 64-05W H632	0
x	Diode, XXA, XXV, 1	D2	SOD-123	DIODE-SCHOTTK	1		
BAT54C	Diode, 200mA, 30	D3, D4	SOT-23	DIODE-BAT54C-7	2		
04-060001-011	LED, Red, 12.7mm	D5, D6	0603_diode	LED-Red	2		
FUSE_SRF	Fuse, SRF, ?A, ?V	F1	0603	FUSE_SRF	1		
IND	Inductor, XXuH, X	FB1, FB2	0603 - no overlay	IND	2		
4_pin_100mils		j1, j6	4_pin_100mils	altiumdb50250c98	2	4_pin_100mils	0
JST_XH_Male_2	CON, Pol-Lock Ma	J3	JST_B2B_XH_A	JST_XH_Male_2	1		
MHDR1X3	Header, 3-Pin	J4	MHDR1X3	MHDR1X3	1		
JST_XH_Male_5	CON, Pol-Lock Ma	J8	JST_B5B_XH_A	JST_XH_Male_5	1		
NR5040	Inductor, 4.7uH, 1	L1	NR5040	Ind1	1		
LTST-C190KRKT	LED SUPER RED C	LED1	LTST-C190KRKT	altiumdb4f59f5b2	1	LTST-C190KRKT	0
LTST-C190KSKT	LED YELLOW CLE	LED2	LTST-C190KSKT	altiumdb52dbc15f	1	LTST-C190KSKT	0
Header 4	Header, 4-Pin	MOD1	HDR1X4	Header 4	1		
IRLML6401TRPBF	MOSFET P-CH 12V	Q2	IRLML6401TRPBF	altiumdb4f097f24	1	IRLML6401TRPBF	0.0781
TRANS-BJT-NPN	TRANS, BJT,NPN,	Q5	SOT-23	TRANS-BJT-NPN	1		
RES	RES, XXX, 1/10W	R1	0805	RES	1		
RES	RES, XXX, 1/10W	R2, R3, R18, R19	0603 - no overlay	RES	9		
330	RES 0603 TKF 33	R4	RES_0603_H	altiumdb4ee8dc9f	1	RC0603JR-07330M	0
10K	RES 0603 TKF 10	R5	RES_0603_H	altiumdb4ee8dc3f	1	RC0603JR-0710K1	0
5.1K	RES 0603 TKF 5.1	R6	RES_0603_H	altiumdb4ee8dca0	1	CRCW06035K10F	0
1K	RES 0603 TKF 1K	R7, R8, R12, R13	RES_0603_H	altiumdb4ee8dc5f	4	CRCW06031K00F	0
RES	RES, XXX, 1/10W	R9, R14, R15	0603_res_no_ove	RES	3		
0.1	RES 0.2 OHM 0.2	R10, R11	RES_1206_H	altiumdb52db39d	2	PT1206FR-070R21	0
RES-NTC	Therm, NTC, XXk	R16	0603_res	RES-NTC	1		
SW-PB-SPST_sma	Switch, PB, SPST	SW1, SW2, SW3,	SW-PB-K2-1808S	SW-PB-SPST_sma	4		
F6827CT-ND	TVS, ?V, ?W, Unid	TVS1	SMA	TVS_UNI	1		
A4954		U1	A4954	altiumdb57cf0e2b	1	A4954	0
IC-MCP1700	IC, Reg LDO, 250m	U2	SOT-23	IC-MCP1700T-500	1		
AOZ1280	IC, Buck regulator	U3	SOT23-6L	AOZ1280	1		
AS5047D		U6	AS5047D	altiumdb5786b44	1	AS5047D	0
USBLC6-2	TVS Diode Arrays	U7	USBLC6-2SC6	altiumdb506c612c	1	USBLC6-2SC6	0
ATSAMD21G18A-MF		U8	ATSAMD21G18A-M	altiumdb5720cf6a	1		
10118194-0001LF	Connector Recep	USB1	10118194-0001LF	altiumdb561d4bcf	1	10118194-0001LF	0
32.768kHz	OSC, XTAL, 32.76	X1	AB26TRQ	XTAL-32.768kHz	1		