

Top Side Total 34 parts detected | 64 Parts confirmed | 1 parts not selected

Complete File ▾

[Upload BOM/CPL](#)

Uploaded BOM Data			Review Matched Parts					
Top Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Lib Type	Total Cost	Select
C1,C15,C18,C22,C...	100nF	C0603	CC0603KRX7R9BB104 C14663 50V 100nF X7R ±10% 0603 Multilayer Ceramic ...	12	JLCPCB	Basic	\$0.0288	<input checked="" type="checkbox"/>
C2,C24,C3,C4,C6,C8	1uF	C0805	CL21B105KBFNNNE C28323 50V 1uF X7R ±10% 0805 Multilayer Ceramic Ca...	12	JLCPCB	Basic	\$0.0960	<input checked="" type="checkbox"/>
C10,C13,C16,C19,...	10uF	C0805	CL21A106KAYNNNE C15850 25V 10uF X5R ±10% 0805 Multilayer Ceramic C...	12	JLCPCB	Basic	\$0.1200	<input checked="" type="checkbox"/>
C11,C12,C5,C7	10nF	C0402	CL05B103KB5NNNC C15195 50V 10nF X7R ±10% 0402 Multilayer Ceramic C...	8	JLCPCB	Basic	\$0.0096	<input checked="" type="checkbox"/>
C14,C9	2.2uF	C0805	CL21A225KBQNNNE C377773 50V 2.2uF X5R ±10% 0805 Multilayer Ceramic C...	4	JLCPCB	Basic	\$0.0592	<input checked="" type="checkbox"/>
C17,C20	22uF	C1206	CL31A226KAHNNNE C12891 25V 22uF X5R ±10% 1206 Multilayer Ceramic C...	4	JLCPCB	Basic	\$0.1856	<input checked="" type="checkbox"/>
D1,D2,D3	KT-0805G	LED0805-R-RD	KT-0805G C2297 Emerald 0805 LED Indication - Discrete ROHS	6	JLCPCB	Basic	\$0.0648	<input checked="" type="checkbox"/>
L1	1.5uH	L1008	LQM2HPN1R5MG0L C98034 1.5A 1.5uH ±20% 88mΩ 1008 Inductors (SMD) ...	5	JLCPCB	Extended	\$0.4260	<input checked="" type="checkbox"/>
L2	1uH	C0805	SDFL2012Q1R0KTF C1042 50mA 1uH ±10% 400mΩ 0805 Inductors (SMD) ...	20	JLCPCB	Extended	\$0.3420	<input checked="" type="checkbox"/>
Q2	S9013J3(RAN...	SOT-23-3_L2.9-...	S9013 J3(RANGE 200-350) C6749 25V 300mW 200@50mA,1V 500mA NPN SOT-2...	2	JLCPCB	Basic	\$0.0270	<input checked="" type="checkbox"/>
R1,R11,R18	1k	C0603	0603WAF1001T5E C21190 100mW Thick Film Resistors 75V ±100ppm/°C ...	6	JLCPCB	Basic	\$0.0060	<input checked="" type="checkbox"/>
R2,R4	3K3	C0603	0603WAF3301T5E C22978 100mW Thick Film Resistors 75V ±100ppm/°C ...	4	JLCPCB	Basic	\$0.0040	<input checked="" type="checkbox"/>
R3	0.5m	R2512	ASR-M-3-0.5F C469426 6W 0.5mΩ Solder Pad Splitter ±115ppm/°C ±1%...	5	JLCPCB	Extended	\$1.1950	<input checked="" type="checkbox"/>
R5	1.2k	C0603	0603WAF1201T5E C22765 100mW Thick Film Resistors 75V ±100ppm/°C ...	2	JLCPCB	Basic	\$0.0024	<input checked="" type="checkbox"/>
R10,R12,R13,R33,...	10k	C0805	0805W8F1002T5E C17414 125mW Thick Film Resistors 150V ±100ppm/°C...	10	JLCPCB	Basic	\$0.0180	<input checked="" type="checkbox"/>
R14,R31	100k	C1206	1206W4F1003T5E C17900 250mW Thick Film Resistors 200V ±100ppm/°C...	4	JLCPCB	Basic	\$0.0116	<input checked="" type="checkbox"/>
R15,R16	5.1k	C0603	0603WAF5101T5E C23186 100mW Thick Film Resistors 75V ±100ppm/°C ...	4	JLCPCB	Basic	\$0.0040	<input checked="" type="checkbox"/>
R19,R21	51k	C0805	0805W8F5102T5E C17737	4	JLCPCB	Basic	\$0.0080	<input checked="" type="checkbox"/>

R14,R31	100k	C1206	1206W4F1003T5E 250mW Thick Film Resistors 200V ±100ppm/°C	C17900		4	JLCPCB	Basic	\$0.0116	
R15,R16	5.1k	C0603	0603WAF5101T5E 100mW Thick Film Resistors 75V ±100ppm/°C	C23186		4	JLCPCB	Basic	\$0.0040	
R19,R21	51k	C0805	0805W8F5102T5E 125mW Thick Film Resistors 150V ±100ppm/°C	C17737		4	JLCPCB	Basic	\$0.0080	
R20	1	C1206	1206W4F100KT5E 250mW Thick Film Resistors 200V ±800ppm/°C	C17928		2	JLCPCB	Basic	\$0.0098	
R22,R23,R24,R28,...	2	C0603	0603WAF200KT5E 100mW Thick Film Resistors 75V ±1% ±200ppm	C22977		10	JLCPCB	Basic	\$0.0150	
R25,R27,R34,R35	1M	C1206	1206W4F1004T5E 250mW Thick Film Resistors 200V ±100ppm/°C	C17927		8	JLCPCB	Basic	\$0.0216	
R26,R30	82k	C0603	0603WAF8202T5E 100mW Thick Film Resistors 75V ±100ppm/°C	C23254		4	JLCPCB	Basic	\$0.0044	
R29,R8,R9	2.2k	C0603	0603WAF2201T5E 100mW Thick Film Resistors 75V ±100ppm/°C	C4190		6	JLCPCB	Basic	\$0.0060	
SW1	SS-12D11G3R	SW-TH_SS-12D...	SS-12D11G3R Horizontal Plug 3A Single Pole Double Throw (S...	C843362		2	JLCPCB	Extended	\$0.4500	
U1	INA219AIDR	SOIC-8_3.9x4.9...	INA219AIDR SOIC-8 Current Sense Amplifiers ROHS	C138706		2	JLCPCB	Extended	\$1.4940	
U2,U7	DRV8833PWR	TSSOP-16_L5.0...	DRV8833PWR TSSOP-16 Stepper Motor Driver ROHS	C544801		4	JLCPCB	Extended	\$3.3840	
U3	BQ24074RGT	VQFN-16-1EP_...	BQ24074RGTT VQFN-16-EP(3x3) Battery Management ROHS	C2861252		2	JLCPCB	Extended	\$3.8940	
U4,U5	TPS22810DR...	WSO6-6-1EP_2...	TPS22810DRVR 2.7V~18V 79mΩ 3A 1 WSON-6-EP(2x2) Power ...	C527679		5	JLCPCB	Extended	\$1.4070	
U6	CH224K	SSOP-10-1EP_...	CH224K USB charging chip ESSOP-10-150mil-1mm US...	C970725		2	JLCPCB	Extended	\$0.9930	
U8	L78L33ACUTR	SOT-89-3	L78L33ACUTR 49dB@(120Hz) 100mA Fixed 3.3V Positive elec...	C14170		5	JLCPCB	Extended	\$0.6340	
U9	TPS63020DS...	VSON-14_L4.0-...	TPS63020DSJR Boost type Adjustable 1.2V~5.5V 1.8V~5.5V 3...	C15483		4	JLCPCB	Extended	\$2.3880	
U10	TPS63020DS...	VSON-14_L4.0-...	TPS63020DSJR Boost type Adjustable 1.2V~5.5V 1.8V~5.5V 3...	C15483						
USBC1	TYPE-C-31-...	USB-C-SMD_T...	TYPE-C-31-M-05 3A 1 Horizontal attachment 24P Female -30°C~...	C845581		2	JLCPCB	Extended	\$1.5090	
JP1	JPRITERM	C1206	No Part Selected	Search	Pre-order					

Please carefully check the packages of selected parts before proceeding.