



Why JLCPCB?

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naidooj

Top Side

Total 30 parts detected

60 Parts confirmed

Uploaded BOM Data			Review Matched Parts			
Top Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Lib Type
C1	1碌	CAPC3216X180N	CL31B105KBHNNNE    C1848 50V 1uF X7R ±10% 1206 Multilayer Ceramic Cap...	2	JLCPCB	Basic
C2,C3	10碌	CAPC3216X180N	CL31A106KBHNNNE    C13585 50V 10uF X5R ±10% 1206 Multilayer Ceramic Ca...	4	JLCPCB	Basic
C4	4.7碌	CAPC2012X140N	CL21A475KAQNNNE    C1779 25V 4.7uF X5R ±10% 0805 Multilayer Ceramic C...	2	JLCPCB	Basic
C5	100碌	CAPC3216X180N	CL31A107MQHNNNE    C15008 6.3V 100uF X5R ±20% 1206 Multilayer Ceramic ...	2	JLCPCB	Basic
C6,C8	0.1碌	CAP_CL05_SAM	CL05B104KO5NNNC    C1525 16V 100nF X7R ±10% 0402 Multilayer Ceramic ...	4	JLCPCB	Basic
C9	10n	CAPC1005X55N	CL05B103KB5NNNC    C15195 50V 10nF X7R ±10% 0402 Multilayer Ceramic Ca...	2	JLCPCB	Basic
C10	1碌	CAP_CL05_SAM	CL05A105KA5NQNC    C52923 25V 1uF X5R ±10% 0402 Multilayer Ceramic Cap...	2	JLCPCB	Basic
C11,C14,C7	22碌	CAPC2012X140N	CL21A226MAQNNNE    C45783 25V 22uF X5R ±20% 0805 Multilayer Ceramic Ca...	6	JLCPCB	Basic
C12,C13,C15	10碌	CAPC2012X135N	CL21A106KAYNNNE    C15850 25V 10uF X5R ±10% 0805 Multilayer Ceramic Ca...	6	JLCPCB	Basic
D1	KT-0805G(GR...	LED_KT-0603R	KT-0805G    C2297 Emerald 0805 LED Indication - Discrete ROHS	2	JLCPCB	Basic
D2	KT-0603R(RED)	LED_KT-0603R	KT-0603R    C2286 -40°C~+85°C Red 0603 LED Indication - Discrete...	2	JLCPCB	Basic
IC1	CH224K	SOP100P600X1...	CH224K    C970725 USB charging chip ESSOP-10-150mil-1mm USB ...	2	JLCPCB	Extende
J1	TYPEC-304-A...	TYPEC-304-ACP...	TYPEC-304-ACP16    C2982555 3A 1 Horizontal attachment 16P Female -40°C~...	2	JLCPCB	Extende
L1	2.2碌	SMNR4020-2.2...	SMNR4020-2.2UH    C135262 3.4A 2.2uH ±20% 3.4A SMD,4x4x2mm Power In...	6	JLCPCB	Extende
L2	4.7碌	CKCS5020-4.7u...	CKCS5020-4.7uH/M    C354596 2.2A 4.7uH ±20% SMD,5x5mm Power Inductors ...	6	JLCPCB	Extende
Q1	AO3400A	SOT95P280X12...	AO3400A    C20917 30V 5.7A 26.5mQ@10V,5.7A 1.4W 1.5V@250uA ...	2	JLCPCB	Basic
Q2,Q3	2N3904	2N3904S-RTK-PS	2N3904S-RTK/PS    C18536 40V 350mW 100@10mA,1V 200mA NPN SOT-2...	10	JLCPCB	Extende
R1,R10,R15,R2,R5,...	100m	RESC6332X65N	HoJLR2512-3W-100mR-1%    C2903476 3W 100mQ Chip Current Sensing Resistors ±1% ...	20	JLCPCB	Extende
R11,R3	1k	RESC2012X65N	0805W8F1001T5E    C17513 125mW Thick Film Resistors 150V ±100ppm/°C ...	4	JLCPCB	Basic
R12,R20,R4	10k	RESC2012X65N	0805W8F1002T5E    C17414 125mW Thick Film Resistors 150V ±100ppm/°C ...	6	JLCPCB	Basic
R13,R17,R19	100k	RESC2012X65N	0805W8F1003T5E    C149504 125mW Thick Film Resistors 150V ±100ppm/°C ...	6	JLCPCB	Basic
R14	33k	RESC2012X65N	0805W8F3302T5E    C17633 125mW Thick Film Resistors 150V ±100ppm/°C ...	2	JLCPCB	Basic
R16	510k	RESC1608X55N	0603WAF5103T5E    C23192 100mW Thick Film Resistors 75V ±100ppm/°C ±...	2	JLCPCB	Basic
R18	22.1k	RESC2012X65N	0805W8F2212T5E    C17552 125mW Thick Film Resistors 150V ±100ppm/°C ...	20	JLCPCB	Extende
SW1	~	SW-TH_K3-1296...	K3-1296S-E1    C128955 300mA Horizontal attachment Single Pole Doub...	5	JLCPCB	Extende
U1	INA219AIDCNR	SOT65P280X14...	INA219AIDCNR    C87469 SOT-23-8 Current Sense Amplifiers ROHS	2	JLCPCB	Extende
U2	BQ24074RGTR	QFN50P300X30...	BQ24074RGTR    C54313 10.2V Lithium-ion/Polymer 1 1.5A QFN-16-EP(3...	2	JLCPCB	Extende
U3,U4	TB6612FNG	SOP65P760X16...	TB6612FNG,C,8,EL    C141517 SSOP-24 Brushed DC Motor Drivers ROHS	4	JLCPCB	Extende
U5	TPS61088RH...	IC_TPS61088R...	TPS61088RHLR    C87357 Boost type Adjustable 4.5V~12.6V 2.7V~12V 10...	2	JLCPCB	Extende
U6	RT8059GJ5	TSOT-23-5_RIT	RT8059GJ5    C20542	5	JLCPCB	Extende



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