

GERBER_MMPowerBoardKiCAD9Version



Why JLCPCB?

Capabilities





Support

Resources

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Top Side Total 33 parts detected 66 Parts confirmed

Uploaded BOM Data			Review Matched Parts			
Top Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Lib Type
C1,C6	2.2u	C_0603_1608...	CL10A225K08NNNC C23630 16V 2.2uF X5R ±10% 0603 Multilayer Ceramic ...	4	JLCPCB	Basic
C3,C4	0.01u	C_0805_2012...	CL21B103KBANNNC C1710 50V 10nF X7R ±10% 0805 Multilayer Ceramic ...	4	JLCPCB	Basic
C10,C11,C12,C1...	22u	C_0603_1608...	CL10A226MQ8NRNC C59461 6.3V 22uF X5R ±20% 0603 Multilayer Ceramic ...	12	JLCPCB	Basic
C13,C2,C20,C21,...	10u	C_0603_1608...	CL10A106KP8NNNC C19702 10V 10uF X5R ±10% 0603 Multilayer Ceramic ...	12	JLCPCB	Basic
C15,C7	100n	C_0603_1608...	CC0603KRX7R9BB104 C14663 50V 100nF X7R ±10% 0603 Multilayer Ceramic...	4	JLCPCB	Basic
C16,C9	1u	C_0402_1005...	CL05A105KA5NQNC C52923 25V 1uF X5R ±10% 0402 Multilayer Ceramic C...	4	JLCPCB	Basic
D1,D2	LED	LED_0805_201...	NCD0805R1 C84256 25mA Colorless transparent lens 67mcd~195m...	4	JLCPCB	Basic
FB1	FerriteBead_...	L0603	GZ1608D601TF C1002 450mΩ ±25% 600Ω@100MHz 0603 Ferrite Be...	2	JLCPCB	Basic
J1	TYPE-C-31-...	USB-C_SMD-T...	TYPE-C-31-M-12 C165948 5A 1 16P Female Type-C SMD USB Connector...	2	JLCPCB	Extende
L1	1uH	L_0805_2012M...	SDFL2012Q1R0KTF C1042 50mA 1uH ±10% 400mΩ 0805 Inductors (SMD...	20	JLCPCB	Extende
L2,L3	220n	IND-SMD_L4.5...	NBMC0420HN-R22M C2875615 7A 220nH ±20% 14A SMD,4.5x4.1mm Power I...	6	JLCPCB	Extende
Q1	SS8050	SOT-23	SS8050(RANGE:200-350) C2150 25V 300mW 200@100mA,1V 1.5A NPN SOT-2...	2	JLCPCB	Basic
R1,R2,R23,R24,...	1	R_1206_3216...	1206W4F100KT5E C17928 250mW Thick Film Resistors 200V ±800ppm/°C...	26	JLCPCB	Basic
R10,R11,R27	3.3k	R_0805_2012...	0805W8F3301T5E C26010 125mW Thick Film Resistors 150V ±100ppm/°C...	6	JLCPCB	Basic
R12,R20	1M	R_0603_1608...	0603WAF1004T5E C22935 100mW Thick Film Resistors 75V ±100ppm/°C ...	4	JLCPCB	Basic
R13	330k	R_0603_1608...	0603WAF3303T5E C23137 100mW Thick Film Resistors 75V ±100ppm/°C ...	2	JLCPCB	Basic
R14	560k	R_0603_1608...	0603WAF5603T5E C23203 100mW Thick Film Resistors 75V ±100ppm/°C ...	20	JLCPCB	Extende
R15,R16	100k	R_1206_3216...	1206W4F1003T5E C17900 250mW Thick Film Resistors 200V ±100ppm/°C...	4	JLCPCB	Basic
R17,R18	4.7k	R_1206_3216...	1206W4F4701T5E C17936 250mW Thick Film Resistors 200V ±100ppm/°C...	4	JLCPCB	Basic
R19	75k	R_0805_2012...	0805W8F7502T5E C17819 125mW Thick Film Resistors 150V ±100ppm/°C...	20	JLCPCB	Extende
R25	5.6k	R_0805_2012...	0805W8F5601T5E C4382 125mW Thick Film Resistors 150V ±100ppm/°C...	2	JLCPCB	Basic
R26,R36	2.2k	R_0603_1608...	0603WAF2201T5E C4190 100mW Thick Film Resistors 75V ±100ppm/°C ...	4	JLCPCB	Basic
R28,R29	1k	R_1206_3216...	1206W4F1001T5E C4410 250mW Thick Film Resistors 200V ±1% 1kΩ 1...	4	JLCPCB	Basic
R30,R31,R32,R3...	0.1	R_1206_3216...	1206W4F100LT5E C25334 250mW Thick Film Resistors 200V ±800ppm/°C...	10	JLCPCB	Basic
SW1	SS-12D11-G...	SS-12D11-G050	SS-12D11-G050 C17179528 3A Single Pole Double Throw (SPDT) 250V Bla...	2	JLCPCB	Extende
U1	HUSB237	HUSB237-AA0...	HUSB237-AA001-DN06R C22373734 DFN-6L-EP(2x2) USB PD ROHS	6	JLCPCB	Extende
U2	TP4056-42-E...	SOIC127P600...	TP4056-42-ESOP8 C16581 ESOP-8 Battery Management ROHS	2	JLCPCB	Extende
U3,U9	DRV8833PW...	HTSSOP-16-1...	DRV8833PWPR C50506 TSSOP-16-EP Stepper Motor Driver ROHS	4	JLCPCB	Extende
U4	TPS63802DL...	VREG_TPS63...	TPS63802DLAR C2845237 VSON-10(2x3) DC-DC Converters ROHS	2	JLCPCB	Extende
U6	TPS61236P...	CONV_TPS61...	TPS61236PRWLR C130295	2	JLCPCB	Extende

			Boost type Adjustable 2.9V~5.5V 6.5A 2.3V~4....				
U7	INA219AIDR	SOIC127P599...	INA219AIDR C138706 SOIC-8 Current Sense Amplifiers ROHS		2	JLCPCB	Extende
U10,U5	TPS22917D...	SOT95P280X1...	TPS22917DBVR C2681320 0V~5.5V 80mΩ 2A 1 SOT-23-6 Power Distribut...		4	JLCPCB	Extende
U11	AMS1117-5.0	SOT-223_L6.5-...	AMS1117-5.0 C6187 68dB@(120Hz) 1A Fixed 5V Positive electrode ...		2	JLCPCB	Basic

Please carefully check th

COMPANY

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