

GERBER-MMPowerBoardKiCAD9Version

PCB Bill of Materials Component Placements Quote & Order Automatically saved, last updated





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-...	HRO_TYPE-C-...	TYPE-C-31-M-04 C129018 1 24P Female Type-C Plugin USB Connectors ...	2	JLCPCB	Extend...
L1	1uH	L_0805_2012M...	SDFL2012Q1R0KTF C1042 50mA 1uH ±10% 400mΩ 0805 Inductors (SMD...	20	JLCPCB	Extend...
L2,L3	220n	IND-SMD_L4.5...	NBMC0420HN-R22M C2875615 7A 220nH ±20% 14A SMD,4.5x4.1mm Power I...	6	JLCPCB	Extend...
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



Why JLCPCB? Capabilities Support Resources Order now My file rcard

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	Extend...
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	Extend...
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	Extend...
U1	HUSB237	HUSB237-AA0...	HUSB237-AA001-DN06R C22373734 DFN-6L-EP(2x2) USB PD ROHS	6	JLCPCB	Extend...
U2	TP4056-42-E...	SOIC127P600...	TP4056-42-ESOP8 C16581 ESOP-8 Battery Management ROHS	2	JLCPCB	Extend...
U3,U9	DRV8833PW...	IC_DRV8833P...	DRV8833PWPR C50506 TSSOP-16-EP Stepper Motor Driver ROHS	4	JLCPCB	Extend...
U4	TPS63802DL...	VREG_TPS63...	TPS63802DLAR C2845237 VSON-10(2x3) DC-DC Converters ROHS	2	JLCPCB	Extend...
U6	TPS61236P...	CONV_TPS61...	TPS61236PRWLR C130295	2	JLCPCB	Extend...

			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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