

GERBER-Micro_mouse_final

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	1u	C1206	CL31B105KBHNNNE C1848 50V 1uF X7R ±10% 1206 Multilayer Ceramic Cap...	2	JLCPCB	Basic	\$0.0466		
C2,C4	220u	CAP-SMD_BD6...	RVT220UF10V67RV0037 C2833309 220uF 10V 69mA@120Hz ±20% SMD,D6.3xL5.4...	20	JLCPCB	Extended	\$0.6700		
C3,C5,C6	22u	C1206	CL31A226KAHNNNE C12891 25V 22uF X5R ±10% 1206 Multilayer Ceramic Ca...	6	JLCPCB	Basic	\$0.3150		
C7	10u	CAP-SMD_L3.2-...	TAJA106K016RNJ C7171 10uF 16V 3Q@100kHz ±10% CASE-A-3216-18(...	2	JLCPCB	Basic	\$0.2410		
D2,D6	SS34_C8678	SMA_L4.3-W2.6-...	SS34 C8678 40V Independent Type 3A 550mV@3A SMA(DO-...	4	JLCPCB	Basic	\$0.1088		
J2	USB_C_Recep...	TYPE-C-SMD_T...	TYPE-C 6P LTH6.5 C5187463 3A 1 Standing paste 6P Female -40°C~+85°C Ty...	2	JLCPCB	Extended	\$0.1564		
L1,L2,L3,L4	10u	L0805	SDFL2012S100KTF C1046 15mA 10uH ±10% 1.15Q 0805 Inductors (SMD) ...	8	JLCPCB	Basic	\$0.1576		
LED1	KT-0603R	R0603	KT-0603R C2286 -40°C~+85°C Red 0603 LED Indication - Discrete...	2	JLCPCB	Basic	\$0.0112		
LED2	KT-0603R	R0603	KT-0603W C2290 White 0603 LED Indication - Discrete ROHS	2	JLCPCB	Basic	\$0.0204		
R1	0.2	R2512	RLP25FEER200 C459674 2W 200mQ ±50ppm/°C ±1% 2512 Current Sense...	6	JLCPCB	Extended	\$0.3258		
R2,R44	100	R0805	0805W8F1000T5E C17408 125mW Thick Film Resistors 150V ±100ppm/°C ...	4	JLCPCB	Basic	\$0.0072		
R3	75k	R0603	0603WAF7502T5E C23242 100mW Thick Film Resistors 75V ±100ppm/°C ±...	2	JLCPCB	Basic	\$0.0022		
R5	8.2k	R0805	0805W8F8201T5E C17828 125mW Thick Film Resistors 150V ±100ppm/°C ...	2	JLCPCB	Basic	\$0.0036		
R6	1.2K	R1206	0805W8F1201T5E C17379 125mW Thick Film Resistors 150V ±100ppm/°C ...	2	JLCPCB	Basic	\$0.0038		
R10,R21,R23,R26,...	47k	R0805	0805W8F4702T5E C17713 125mW Thick Film Resistors 150V ±100ppm/°C ...	18	JLCPCB	Basic	\$0.0324		
R11,R13,R9	1	R1206	1206W4F100KT5E C17928 250mW Thick Film Resistors 200V ±800ppm/°C ...	6	JLCPCB	Basic	\$0.0294		
R12	2k	R1206	1206W4F2001T5E C17944 250mW Thick Film Resistors 200V ±100ppm/°C ...	2	JLCPCB	Basic	\$0.0062		
R14,R16	1k	R1206	1206W4F1001T5E C4410 250mW Thick Film Resistors 200V ±1% 1kQ 120...	4	JLCPCB	Basic	\$0.0116		
R15	5.6k	R0805	0805W8F5601T5E C4382 125mW Thick Film Resistors 150V ±100ppm/°C ...	2	JLCPCB	Basic	\$0.0038		
R17,R20,R7,R8	RC-MT08W3R...	RES-ARRAY-SM...	RC-MT08W3R0JT C2002 4 ±5% 3Q 62.5mW ±400ppm/°C 0402x4 Resistor...	20	JLCPCB	Extended	\$0.1340		
R18,R22,R24,R25,...	27k	R0805	0805W8F2702T5E C17593 125mW Thick Film Resistors 150V ±100ppm/°C ...	34	JLCPCB	Basic	\$0.0612		
R19,R45	75	R0603	0603WAF750JT5E C4275 100mW Thick Film Resistors 75V ±1% ±200ppm...	4	JLCPCB	Basic	\$0.0040		
U1	INA219AxDCN	SOT-23-8	INA219AIDCNR C87469 SOT-23-8 Current Sense Amplifiers ROHS	2	JLCPCB	Extended	\$1.1430		
U2	AMS1117-3.3	SOT-223-3_L6.5-...	AMS1117-3.3 C6186 72dB@(120Hz) 1A Fixed 3.3V Positive electrode...	2	JLCPCB	Basic	\$0.3460		
U3	HUSB237-AA0...	TDFN-6_L2.0-W...	HUSB237-AA001-DN06R C22373734 DFN-6L-EP(2x2) USB PD ROHS	6	JLCPCB	Extended	\$1.1214		
U4	MT3608	SOT-23-6_L2.9-...	MT3608 C84817 Boost type 28V 2V~24V SOT-23-6 DC-DC Conver...	6	JLCPCB	Extended	\$0.3594		
U5	LM2596SX-5_...	TO-263-5_L10.2-...	LM2596SX-5.0/NOPB C10002 Step-down type Fixed 5V 3A 4.5V~40V TO-263-5...	2	JLCPCB	Extended	\$1.9020		
U7,U8	L298N_C19922	MULTIWATT-15_...	L298N C19922 Half Bridge 4.5V~7V MultiwAtt-15 Gate Drivers ...	4	JLCPCB	Extended	\$12.8520		
U9	TP4056_C382...	ESOP-8_L4.9-W...	TP4056 C382139 4V~6V Lithium-ion/Polymer 1 1A ESOP-8 Batter...	2	JLCPCB	Extended	\$0.1932		
U10	SN74LVC1G3...	SC-70-6_L2.2-W...	SN74LVC1G3157DCKR C38663 15Q 1 SPDT(SPDT) SC-70-6(SOT-363) Analog S...	6	JLCPCB	Extended	\$0.3276		
U12,U16	SS8550_C8542	SOT-23	SS8550 Y2(RANGE:200-350) C8542 25V 300mW 200@100mA,1V 1.5A PNP SOT-23 ...	4	JLCPCB	Basic	\$0.0528		
U14	SK22D15L5	SW-TH_XKB_SK...	SK22D15L5 C2884795 3A DPDT 50V 50V 3A 10000 times Black Plugin ...	2	JLCPCB	Extended	\$0.5970		
U15,U6	S9013_J3	SOT-23	S9013 J3(RANGE:200-350) C6749 25V 300mW 200@50mA,1V 500mA NPN SOT-2...	4	JLCPCB	Basic	\$0.0548		
J3	Conn_02x16_...	PinHeader_2x16...	No Part Selected						

Please carefully check the packages of selected parts before proceeding.

NEXT

COMPANY

About JLCPCB

How we work

Quality Management

Security

SUPPORT

Help Center

Shipping Info

How To Order

How To Track

NETWORK SITES

EasyEDA - PCB Design Tool

JLCCNC - CNC Machining

JLCMC - Mechatronic Parts

OSHWLAB - Open Source Hardware

CONNECT WITH US

f X @ y in



[Certifications](#)

[Contact Us](#)

© 2025 JLCPCB.COM All Rights Reserved. [Privacy Policy](#) [Terms & Conditions](#)