



fab_outs

Top Side

Total 49 parts detected

24 Parts confirmed












2 parts to be confirmed

6 parts Inventory shortage

17 parts not selected

Upload BOM/CPL

Uploaded BOM Data			Review Matched Parts					
Top Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Lib Type	Total Cost	Select
U11	MAX3221	SOP65P640X12...	MAX3221CPWR C109444 250Kbps transceiver 1/1 TSSOP-16 RS232 ICs R...	7	JLCPCB	Extended	\$4.9798	
D21	B340-13-F	D_SMC	B340-13-F C110486 40V 500mV@3A 3A SMC(DO-214AB) Schottky B...	7	JLCPCB	Extended	\$1.0787	
U7	TCA9539PWR	PW24	TCA9539PWR C131972 16 400kHz I ² C, SMBus TSSOP-24 I/O Expanders...	5	JLCPCB	Extended	\$4.3925	
C10,C15,C16,C17,...	0.1u	0603	CC0603KRX7R9BB104 C14663 50V 100nF X7R ±10% 0603 Multilayer Ceramic C...	80	JLCPCB	Basic	\$0.1760	
C1,C2	1u	0603	CL10A105KB8NNNC C15849 50V 1uF X5R ±10% 0603 Multilayer Ceramic Cap...	10	JLCPCB	Basic	\$0.0510	
R1,R48	0	0603	0603WAF0000T5E C21189 100mW Thick Film Resistors ±1% 00 0603 Chip ...	10	JLCPCB	Basic	\$0.0100	
R3	5.6k	0603	0603WAF5601T5E C23189 100mW Thick Film Resistors ±100ppm/°C ±1% ...	5	JLCPCB	Basic	\$0.0050	
R22,R23,R24,R25,...	10k	0402	0402WGF1002TCE C25744 62.5mW Thick Film Resistors ±100ppm/°C ±1% ...	115	JLCPCB	Basic	\$0.0575	
R4,R51,R52	47k	0603	0603WAF4702T5E C25819 100mW Thick Film Resistors ±100ppm/°C ±1% ...	15	JLCPCB	Basic	\$0.0150	
R10,R11,R12,R13,...	3.3k	0402	0402WGF3301TCE C25890 62.5mW Thick Film Resistors ±100ppm/°C ±1% ...	80	JLCPCB	Basic	\$0.0400	
R49,R50	4.7k	0402	0402WGF4701TCE C25900 62.5mW Thick Film Resistors ±100ppm/°C ±1% ...	10	JLCPCB	Basic	\$0.0050	
C11,C18,C23,C24,...	1u	0805	CL21B105KBFNNE C28323 50V 1uF X7R ±10% 0805 Multilayer Ceramic Cap...	60	JLCPCB	Basic	\$0.5280	
R47	102k	0603	SCR0603F102K C3016169 ±1% 102kΩ 0603 Chip Resistor - Surface Mount ...	20	JLCPCB	Extended	\$0.0180	
U12	CD4050BDR	D16	CD4050BDR C352821 48mA 1 3V~18V 8mA SOIC-16 Buffer/Driver/Tra...	5	JLCPCB	Extended	\$1.6730	
R45	976k	0603	ERJ3EKF9763V C403409 100mW Thick Film Resistors ±100ppm/°C ±1% ...	20	JLCPCB	Extended	\$0.1140	
R2	20k	0603	0603WAF2002T5E C4184 100mW Thick Film Resistors ±100ppm/°C ±1% ...	5	JLCPCB	Basic	\$0.0050	
R5	3k	0603	0603WAF3001T5E C4211 100mW Thick Film Resistors ±100ppm/°C ±1% ...	5	JLCPCB	Basic	\$0.0050	
C12,C13,C14,C6	0.01u	0603	0603B103K500NT C57112 50V 10nF X7R ±10% 0603 Multilayer Ceramic Ca...	20	JLCPCB	Basic	\$0.0460	
U6	LTC4311CSC6...	SOT-6_SC_LIT-L	LTC4311CSC6#TRPBF C580856 Accelerator 1 I2C SC-70-6 Signal Buffers, Repeat...	22	JLCPCB	Extended	\$65.0386	
U10,U8,U9	LTC4311CSC6...	SOT-6_SC_LIT	LTC4311CSC6#TRPBF C580856 Accelerator 1 I2C SC-70-6 Signal Buffers, Repeat...					
J7	Conn_02x03...	PinHeader_2x03...	C65114 Straight 6P 2.54mm 双排 Black PlugIn,P=2.54m...	0	JLCPCB	Extended	\$0.00	
D1	LED	0805	17-21/BHC-XL2M2TY/3T C72035 blue 0805 Light Emitting Diodes (LED) ROHS	20	JLCPCB	Extended	\$0.5220	
D10,D11,D12,D13,...	LED	0603	19-213/Y2C-CQ2R2L/3T(CY) C72038 Colorless transparency -40°C~+85°C 585.5nm~...	80	JLCPCB	Basic	\$1.6480	
D2,D3	LED	0805	17-21/GHC-YR1S2/3T C73546 Colorless transparency -40°C~+85°C 520nm~5...	12	JLCPCB	Extended	\$0.5256	
D4	LED	0805	17-21/T1D-CP2R1TY/3T C83960 White light 0805 Light Emitting Diodes (LED) RO...	7	JLCPCB	Extended	\$0.3542	
J11,J13,J16,J19,J...	0705430001	SHDR2W64P0X...	1125-2232G0S395C001 C920766 3A Straight Square Pins 64P -40°C~+105°C 2.5...	0	JLCPCB	Extended	\$0.00	
J1	PJ-063AH	CUL_PJ-063AH	PJ-063AH C2928097 Detailed description is being updated	5	JLCPCB	Extended	\$0.00	5 shortfall
S1,S4	210-6MS	2106MS	210-6MS C3313523 SPST 20V 100mA 1000次 Slide (Standard),凸起...	12	JLCPCB	Extended	\$0.00	12 shortfall
VR1	PTV09A-4020...	PTV09A4015FB...	PTV09A-4020U-B103 C5357831 Potentiometers 10K 20% 9MM CARBON POT	5	JLCPCB	Extended	\$0.00	5 shortfall
S2,S3	450301014042	450301014042	450301014042 C5362723 Wurth Elektronik 拨动开关, 单刀双掷, 8.42mm长,...	11	JLCPCB	Extended	\$0.00	11 shortfall
J8	705430039	70543-0039_MOL	705430039 C588438 - Pre-ordered Connectors ROHS	7	JLCPCB	Extended	\$0.00	7 shortfall
IC1	MCZ33996EK...	SOP65P1030X2...	MCZ33996EKR2 C729084 SOIC-32-EP-300mil Power Distribution Switches ...	5	JLCPCB	Extended	\$0.00	5 shortfall
J15,J17,J2,J20,J2...	0533980671	MOLEX_053398...	No part selected	Search	Pre-order			
IC3,IC4,IC5,IC6	HSCDRRN001...	HSCDRRN001B...	No part selected	Search	Pre-order			
J10,J12,J14,J18,J...	87832-1010	878321010	No part selected	Search	Pre-order			
U13	TC7PZ17FU	SOT-363US6_TOS	No part selected	Search	Pre-order			
J3	A-DS_15_A_K...	ADS15AKGT4S	No part selected	Search	Pre-order			
J6	Conn_02x14...	DIP-28_W15.24...	No part selected	Search	Pre-order			

M1	~	PumpMount	No part selected	Search 	Pre-order				
U3	AP7366EA-33...	SOT-23-5	No part selected	Search 	Pre-order				
U16	LTC4316CMS-...	MSOP-10_MS_LIT	No part selected	Search 	Pre-order				
U2	Teensy4.1	Teensy4.1	No part selected	Search 	Pre-order				
J5	1860280	1860280	No part selected	Search 	Pre-order				
U5	~	D36V28Fx	No part selected	Search 	Pre-order				
R46	DNP	0603	No part selected	Search 	Pre-order				
U1	~	Disc_Pump_Driv...	No part selected	Search 	Pre-order				
U4	D24V10FX	D24V10FX	No part selected	Search 	Pre-order				
IC2	ADUM1250W...	SOIC127P600X...	No part selected	Search 	Pre-order				
SW1	D6C90F1LFS	SW4_D6C90F1L...	No part selected	Search 	Pre-order				

Please carefully check the packages of selected parts before proceeding.

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