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Select Parts

Quote

Top Side Select the parts you want to assemble on your boards. No restrictions on using extended parts for each order now.

Total 29 parts detected 23 Parts confirmed 3 Inventory shortage 3 parts not selected

Uploaded BOM Data			Review Matched Parts				
Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Total Cost	Select ?
U2	DS3231N	DS3231	DS3231SN#T&R YY-MM-DD-dd HH:MM:SS (12/24 hr) I2C... 	5	JLCPCB	\$33.3440	Inventory shortage
Q2	DTC123YCA	SOT-363_SC-70-6	DTC123YCA 200mW 100mA 50V NPN - Pre-Biased SO... 	9	JLCPCB	\$0.3210	
Q12,Q11,Q1...	BSS138	SOT-23	BSS138W-7-F 0.2A N Channel 3.5Ω 220mA,10V 1.5V ... 	29	JLCPCB	\$1.8531	
R8,R7	4K7	R_0603_1608Metr...	RC0603JR-074K7L 75V -55°C~+155°C - ±5% - - - 4.7kΩ Th... 	16	LCSC	\$0.0900	
U8	PS2801-4	SO-16_5.3x10.2m...	PS2801-4 DC 4 2500Vrms Transistor Output Opt... 	5	LCSC	\$3.8080	Inventory shortage

C2	1uF/10V	C_0603_1608Metr...	CL10B105KA8NNNC X7R 25V ±10% 1uF 0603 Multilayer Ce... 	10	JLCPCB	\$0.2340	
R4	220E	R_0603_1608Metr...	RMC06032201%N ±1% 0.1W 220Ω 0603 Chip Resistor - ... 	11	LCSC	\$0.2500	
Q5,Q3,Q7,Q...	IRLR7843TRPBF	MOSFET_D_PAK	IRLR7843TRPBF 2.3V 250uA 30V 161A N Channel 140W ... 	26	JLCPCB	\$17.8204	
C13	22uF/25V	CP_Elec_6.3x7.7	VEJ220M1JTR-0607 - - 22uF 63V 6.3mm 7.7mm 2000hrs 10... 	6	JLCPCB	\$0.4296	
D12,D10,D8...	LED	LED_0603_1608Me...	19-217/R6C-AL1M2VY/3T Red 617.5~633.5nm 0603 Light Emitti... 	30	JLCPCB	\$0.6570	
R37,R33,R2...	100E	R_0603_1608Metr...	QR0603J10R0P05Z ±5% 10Ω ±100ppm/°C 0.1W 0603 Chip Re... 	31	LCSC	\$0.2800	
R27,R19,R4...	10k	R_0603_1608Metr...	0603WAF1002T5E ±1% ±100ppm/°C 10kΩ 0.1W 0603 Chip R... 	116	JLCPCB	\$0.2784	
L2,L1	330E	R_0603_1608Metr...	GZ1608D601TF 600Ω @ 100MHz 1 200mA 450mΩ 0603 Fe... 	15	JLCPCB	\$0.1360	
C16,C15,C1...	1nF	C_0603_1608Metr...	CL10B102KC8NNNC X7R 1nF ±10% 100V 0603 Multilayer C... 	20	JLCPCB	\$0.1340	
U5	CP2102N-A01-GQE...	QFN-28-1EP_5x5m...	CP2102N-A01-GQFN28R 1/1 USB Transceiver 3Mbps QFN-28_5x... 	5	JLCPCB	\$7.6850	Inventory shortage
R36,R32,R2...	470E	R_0603_1608Metr...	QR0603F470RP05Z 470Ω ±1% ±100ppm/°C 0.1W 0603 Chip R... 	46	LCSC	\$0.2150	
D2	LED_PWR	LED_0603_1608Me...	19-217/R6C-AL1M2VY/3T Red 617.5~633.5nm 0603 Light Emitti... 	10	JLCPCB	\$0.4380	
C12,C19,C1...	10uF/25V	CP_Elec_6.3x7.7	VEJ100M2ATR-0607 - 10uF - 6.3mm 7.7mm 2000hrs 105°C ±... 	21	JLCPCB	\$1.4553	
C1	100uF/6V3	CP_Elec_10x10	VEJ101M1HTR-0810 - -45°C~+105°C - 2000hrs 105°C 50V 100... 	6	JLCPCB	\$0.5940	

D3	PRTR5V0U2X	SOT-143	PRTR5V0U2X-N Bidirectional 3.5A (8/20us) 10V 6V ... CL10B104JB8NNNC	9	JLCPCB	\$1.4610	
C25,C26,C2...	100nF	C_0603_1608Metr...	X7R 100nF ±5% 50V 0603 Multilayer C...	80	JLCPCB	\$0.8560	
Q1	MMBT3904	SOT-23	MMBT3904 0.2A 0.35W NPN 40V SOT-23(SOT-23-3)...	9	JLCPCB	\$0.3030	
U9	PS2801-1	SO-4_5.3x2.7mm_...	PS2801-1-F3 DC 1 2500Vrms Transistor Output Opt...	6	LCSC	\$2.0496	
D11,D9,D7,...	B220A-13-F	D_SMB	B220A-13-F 20V 2A 500mV @ 2A SMA(DO-214AC) Sch...	27	JLCPCB	\$2.7000	
R11,R30,R5...	1k	R_0603_1608Metr...	RC0603JR-071KL 75V - ±5% - - - Thick Film Resistor...	46	LCSC	\$0.1200	
U4	LM1117-33	TO-252-3_TabPin...	BL1117-33CY 12V 1.5V @ 1A - - Fixed 3.3V TO-252...	6	JLCPCB	\$0.7386	
S4	SW-EN	SW_SMD_31102000...	No part selected Search	Pre-order (https://smt.jlcpcb.com/smtPrivateLibrary?index=1)			
S5	SW-BOOT	SW_SMD_31102000...	No part selected Search	Pre-order (https://smt.jlcpcb.com/smtPrivateLibrary?index=1)			
CN8	USB_micro	USB_Micro-B_see...	No part selected Search	Pre-order (https://smt.jlcpcb.com/smtPrivateLibrary?index=1)			

Please carefully check the packages of selected parts before proceeding.

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