



GERBER-RC11 (1)

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Top Side Total 44 parts detected 20 Parts confirmed 16 parts to be confirmed 4 parts Inventory shortage 4 parts not selected

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Uploaded BOM Data			Review Matched Parts						
Top Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Lib Type	Total Cost	Select	
C1	22uF	C_0805_2012...	CL21A226MAYNNNE C602037 25V 22uF X5R ±20% 0805 Multilayer Cerami...	20	JLCPCB	Extended	\$0.4120	<input type="checkbox"/>	
C2,C7	10uF	C_0805_2012...	CL21A106KAYNNNE C15850 25V 10uF X5R ±10% 0805 Multilayer Cerami...	10	JLCPCB	Basic	\$0.0980	<input type="checkbox"/>	
C3,C31	1uF	C_0805_2012...	CL21B105KBFNNNE C28323 50V 1uF X7R ±10% 0805 Multilayer Ceramic...	10	JLCPCB	Basic	\$0.0840	<input type="checkbox"/>	
C11,C16,C17,C30...	0.1uF	C_0805_2012...	CC0805KRX7R9BB104 C49678 50V 100nF X7R ±10% 0805 Multilayer Cera...	35	JLCPCB	Basic	\$0.1505	<input type="checkbox"/>	
D1	S10MC	D_SMC_larger_...	S10MC C169472 10A Independent Type 1V@10A 1kV SMC(D...	6	JLCPCB	Extended	\$0.3342	<input type="checkbox"/>	
D2	SS36	SMA(DO-214A...	SS36 C116712 60V 700mV@3A 3A SMA(DO-214AC) Schott...	9	JLCPCB	Extended	\$0.3375	<input type="checkbox"/>	
D10,D13,D3,D4,...	LED	LED_0805_201...	NCD0805R1 C84256 25mA Colorless transparent lens 67mcd~19...	45	JLCPCB	Basic	\$0.5130	<input type="checkbox"/>	
D11,D12	BAV99	SOT-23	BAV99,215 C2500 100V 1 pair in series 1.25V@150mA 4ns 215...	10	JLCPCB	Basic	\$0.0740	<input type="checkbox"/>	
IC1	AZ1117	SOT-223	AZ1117H-3.3TRE1 C92517 75dB@(120Hz) 1A Fixed 3.3V Positive electr...	7	JLCPCB	Extended	\$0.6951	<input type="checkbox"/>	
IC2	XL2596	TO263-5L	XL2596S-5.0E1 C74190 Step-down type 5V 3A 4.5V~40V TO-263-5 ...	5	JLCPCB	Extended	\$2.0925	<input type="checkbox"/>	
IC3	PCA9306DC...	PCA9306DCUR	PCA9306DCUR C33196 1.8V~5.5V 1 2 1.2V~3.3V VSSOP-8 Translato...	5	JLCPCB	Extended	\$1.3590	<input type="checkbox"/>	
J2,J3	I2C-3V3	Qwic_vertical	BM04B-SRSS-TB(LF)(SN) C160390 1x4P 4P SH Tin 4 -25°C~+85°C 1A 1 1mm Br...	10	JLCPCB	Extended	\$1.6130	<input type="checkbox"/>	
J9	105133-0011	MOLEX_10513...	1051330011 C586226 USB 2.0 1 Standing paste 5P Female -35°C~...	5	JLCPCB	Extended	\$2.1685	<input type="checkbox"/>	
J10,J18	Conn_01x03...	PinHeader_1x0...	2.54-1*3P C49257 3A Direct Insert Policy 3P -40°C~+105°C 2.5...	13	JLCPCB	Extended	\$0.1833	<input type="checkbox"/>	
J12	HR911105A	HR911105A	HR911105A C12074 RJ45Receptacle 1 WithLED Plugin Ethernet ...	5	JLCPCB	Extended	\$6.3080	<input type="checkbox"/>	

J13	Conn_01x05	Molex_KK-254...	640456-5 1x5P 5P 1 2.54mm 5 Brass Alloy Plugin,P=2....	C86505		5	JLPCB	Extended	\$0.9680	<input type="checkbox"/>
J15,J4	Conn_01x06...	PinSocket_1x0...	2.54-1*6P 2.54mm Single Row 6P Direct Insert 1x6P Pl...	C40877		10	JLPCB	Extended	\$0.6930	<input type="checkbox"/>
J16,J5,J6,J7	Conn_01x08...	PinSocket_1x0...	2.54-1*8P 2.54mm Single Row 8P Direct Insert 1x8P Pl...	C27438		20	JLPCB	Extended	\$1.3860	<input type="checkbox"/>
J19	ADS1115-10...	PinSocket_1x1...	PM254-1-10-Z-8.5 2.54mm Single Row 3A Copper Alloy 10P -4...	C2897373		5	JLPCB	Extended	\$0.7645	<input type="checkbox"/>
L1	SMDRI127-3...	TMPA1265SP-...	SMDRI127-330MT 3A 33uH Shielded inductor ±20% 5.5A SMD,...	C9400		5	JLPCB	Extended	\$0.9650	<input type="checkbox"/>
Q1,Q2	BSS138	SOT-23	BSS138K 50V 220mA 1.6Ω@5V,50mA 350mW 1.2V@...	C255592		12	JLPCB	Extended	\$0.9828	<input type="checkbox"/>
R1,R2	200	R_0603_1608...	0603WAF2000T5E 100mW Thick Film Resistors 75V ±100ppm/...	C8218		10	JLPCB	Basic	\$0.0100	<input type="checkbox"/>
R10,R23,R3,R4,R...	500	R_0603_1608...	0603WAF5100T5E 100mW Thick Film Resistors 75V ±100ppm/...	C23193		45	JLPCB	Basic	\$0.0450	<input type="checkbox"/>
R11	150	R_0603_1608...	0603WAF1500T5E 100mW Thick Film Resistors 75V ±100ppm/...	C22808		5	JLPCB	Basic	\$0.0050	<input type="checkbox"/>
R12,R13	2.2K	R_0603_1608...	0603WAF2201T5E 100mW Thick Film Resistors 75V ±100ppm/...	C4190		10	JLPCB	Basic	\$0.0100	<input type="checkbox"/>
R14,R15,R16,R17	10K	R_0603_1608...	0603WAF1002T5E 100mW Thick Film Resistors 75V ±100ppm/...	C25804		20	JLPCB	Basic	\$0.0180	<input type="checkbox"/>
R18,R19	341	R_0603_1608...	0603WAF3400T5E 100mW Thick Film Resistors 75V ±100ppm/...	C23144		20	JLPCB	Extended	\$0.0200	<input type="checkbox"/>
R20	200K	R_0603_1608...	0603WAF2003T5E 100mW Thick Film Resistors 75V ±100ppm/...	C25811		5	JLPCB	Basic	\$0.0050	<input type="checkbox"/>
R21,R22	217	R_0603_1608...	0603WAF2200T5E 100mW Thick Film Resistors 75V ±100ppm/...	C22962		10	JLPCB	Basic	\$0.0100	<input type="checkbox"/>
RLY1,RLY2,RLY3,...	HF3FF_012-1...	HF3FF0121HS...	HF3FF-012-1HST 12V 15A One Normally Open: 1A (SPST-NO)...	C329296		45	JLPCB	Extended	\$16.2990	<input type="checkbox"/>
U1,U2	PC817	SMD-4_4.6x7.6...	PC817X2CSP9F 80V 5kV 50mA 100mV@1mA,20mA 1 6V 1.2...	C66405		12	JLPCB	Extended	\$0.9540	<input type="checkbox"/>
U3	ULN2803A	SOP-18_7x12.5...	ULN2803A SOP-18-300mil Darlington Transistor Arrays ...	C845537		5	JLPCB	Extended	\$0.6410	<input type="checkbox"/>
U4	ESP-12F	ESP-12F	ESP-12F(ESP8266MOD) -90dBm 16dBm ESP8266 chip On-Board PC...	C82891		5	JLPCB	Extended	\$10.5765	<input type="checkbox"/>
U6	ADS1115IDG...	TSSOP-10_3x3...	ADS1115IDGSR 16-Bit 2V~5.5V 860Hz I2C VSSOP-10 Analo...	C37593		5	JLPCB	Extended	\$4.7555	<input type="checkbox"/>
U8	CH340C	SOP-16_4.55x1...	CH340C SOP-16 USB Converters ROHS	C7464026		5	JLPCB	Extended	\$2.7165	<input type="checkbox"/>
U9	CA-IS3722HS	SOIC-8_3.9x4.9...	CA-IS3722HS SOIC-8 Digital Isolators ROHS	C428879		5	JLPCB	Extended	\$1.1045	<input type="checkbox"/>
J8	776087-1	7760871	776087-1 3 4mm 4mm -40°C~+105°C Brass P=4mm ...	C378893		5		Extended	\$0.00	5 shortfall
J11	Teensy_Ether...	PinHeader_2x0...	MTMM-103-10-T-D-355 3A Tin Direct Insert 6P -55°C~+105°C 2mm ...	C6694888		5		Extended	\$0.00	5 shortfall
J21	Motor1GRV	Grove	110990030 Grove - Connector	C403774		5		Extended	\$0.00	5 shortfall
KF1,KF2,KF3	KF142V-5.0-...	KF142V-5.08-4P	KF142V-5.08-4P	C475136		15		Extended	\$0.00	15 shortfall

			1.5 5.08mm 14~22 15A 4P 250V 4 Plugin,P=...						
C4	470uF	CP_Elec_10x10.5	No Part Selected	Search 	Pre-order				
C5	330uF	CP_Elec_10x10.5	No Part Selected	Search 	Pre-order				
J14	Ground	PowerPin	No Part Selected	Search 	Pre-order				
J17	12VIn	PowerPin	No Part Selected	Search 	Pre-order				

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