

Bill Of Materials for FR4Quad

Design Title FR4Quad
Author
Document Number
Revision
Design Created Wednesday, November 08, 2017
Design Last Modified Thursday, July 19, 2018
Total Parts In Design 100

4 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	M1-M4	MOTOR		
Sub-totals:				\$0.00

24 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	C1	4.7nF		
2	C2-C3	4.7uF		
7	C4,C12,C15,C17,C19,C21,C23	10uF		
10	C5-C8,C10,C16,C18,C20,C22,C24	100nF		
2	C9,C11	1uF		
2	C13-C14	22pF		
Sub-totals:				\$0.00

33 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
18	R1-R2,R4,R9-R10,R13,R22-R33	10k		
2	R3,R17	1M		
5	R5-R7,R11,R18	1k		
3	R8,R14-R15	22R		
4	R12,R19-R21	0.1R Sense		
1	R16	4.7k		
Sub-totals:				\$0.00

6 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	STM32F103C8T6		
1	U2	MCP73831	MCP73831T-2ACI/OT	
1	U3	NCV8161	NCV8161	
1	U4	NRF24L01	NRF24L01	
1	U5	USB-MICRO	MX-105017-0001	
1	U6	USBLC6-2	USBLC6-2SC6	
Sub-totals:				\$0.00

4 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	Q1-Q4	IRF7324		
Sub-totals:				\$0.00

13 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
9	D1,D3-D4,D6-D7,D9-D10,D12-D13	LED		
4	D2,D5,D8,D11	DIODE		
Sub-totals:				\$0.00

16 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	J1	J 1X2		
3	J2-J3,J5	J 1X4		
1	J4	J 2X4		

1	L1	INDUCTOR
1	L2	BEAD
7	TP1-TP6,TP8	TESTPOINT
1	TP7	CLK
1	X1	16MHz

Sub-totals:		\$0.00
Totals:		\$0.00

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