

Bill Of Materials for FR4_Frame_Basic

Design Title FR4_Frame_Basic
Author
Document Number
Revision
Design Created Tuesday, August 07, 2018
Design Last Modified Saturday, May 18, 2019
Total Parts In Design 71

15 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	C1	4.7nF		\$0.02
2	C2-C3	4.7uF		\$0.02
6	C7,C16,C18,C20,C22,C24	100nF		\$0.02
6	C12,C15,C17,C19,C21,C23	10uF		\$0.02
Sub-totals:				\$0.30

24 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
11	R1-R2,R4,R8-R10,R15,R22,R25,R28,R31	10k		\$0.02
1	R3	1M		\$0.02
7	R5,R7,R11,R13-R14,R18,R34	1k		\$0.02
1	R6	2k		\$0.02
4	R12,R19-R21	0.1R Sense		\$0.10
Sub-totals:				\$0.80

2 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U2	MCP73831	MCP73831T-2ACI/OT	\$0.40
1	U5	USB-MICRO	MX-105017-0001	\$0.50
Sub-totals:				\$0.90

4 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	Q1-Q4	IRF7324		\$0.30
Sub-totals:				\$1.20

12 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
7	D1,D3-D4,D6-D7,D10,D14	LED		\$0.04
4	D2,D5,D8,D11	DIODE		\$0.10
1	D9	MBR0530T3G		\$0.10
Sub-totals:				\$0.78

14 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	J1-J2	J 1X2		\$0.10
2	J4-J5	J 2X10		\$0.25
1	L2	BEAD		\$0.04
4	M1-M4	MOTOR		\$1.10
1	S1	S DPDT	CANAL ELECTRONIC SS008B-02P-22	\$0.30
4	SJ1-SJ4	SOLDER_JUMPER_2		\$0.00
Sub-totals:				\$5.44

Totals: \$9.42