

Bill Of Materials for Safewater Controller

Design Title Safewater Controller
Author
Document Number
Revision
Design Created 08 January 2021
Design Last Modified 01 August 2022
Total Parts In Design 93

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:				£0.00

19 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
15	C1-C2,C4,C6,C8-C15,C17-C19	100nF	718646	£0.04
1	C3	4700uF	1902887	£0.27
2	C5,C7	220n	1166524	£0.51
1	C16	4700uF	9451145	£0.27
Sub-totals:				£2.23

33 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
14	R1-R3,R5,R9-R10,R14,R19-R20,R24,R28,R43,R52,R54	100k	2447453	£0.00
2	R4,R15	10k	2447455	£0.00
7	R6-R8,R11,R21-R23	1k	2446790	£0.00
1	R12	43k	2139559	£0.00
2	R13,R16	1M	2447478	£0.00
2	R17,R34	150R	9464638	£0.03
4	R18,R42,R51,R53	5k6	2447530	£0.00
1	R44	75R	2447542	£0.00
Sub-totals:				£0.18

4 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	ATMEGA328P	1715486	£1.20
1	U2	L7805CV	9756078	£0.17
1	U3	ACS712ELCTR-05B-T	1329623	£2.50
1	U4	MCP602	1439415	£0.77
Sub-totals:				£4.64

7 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
7	Q1,Q3-Q5,Q8,Q11-Q12	ZVN3306F	9526218	£0.22
Sub-totals:				£1.54

8 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
4	D1,D3,D7,D10	LED-2316-RED-REV	2217900	£0.09
2	D2,D5	1N4148WS-7-F	1843678	£0.04
1	D4	LED-2316-GREEN-REV	2217905	£0.14
1	D9	BAT54	9526480	£0.04
Sub-totals:				£0.62

22 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	BR1	DF01S	1470959	£0.22
1	BUZ1	BUZZER	2098836	£0.83
2	FH1-FH2	1A	FF01942	£0.14
5	J1-J3,J6,J9	CONN-H2	DONT FIT	

3	J4,J8,J29	TBLOCK-I2	CN19740	£0.15
1	J7	CONN-DIL6	1022231	£0.12
4	J13-J16	CONN-WIRE-S-150-60	CN12599	£0.06
2	RL1-RL2	OJE-SS-112LMH.000	1891670	£0.64
1	SW1	SW-SPST-MOM	SW04103	£0.07
1	TR1	TRAN-2P2S-BLOCK	2817631	£1.70
1	X1	RESONATOR	1448129	£0.23
Sub-totals:				£5.42

Totals:	£14.64
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