

# Bill Of Materials for Bus Monitor Control Board Issue 1

**Design Title** Bus Monitor Control Board Issue 1  
**Author**  
**Document Number**  
**Revision**  
**Design Created** 25 November 2020  
**Design Last Modified** 08 December 2020  
**Total Parts In Design** 33

## 0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:						

## 3 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
2	C1-C2	100n	MURATA-RDE-CAP	RDER71H104K0M1H0 3A	Farnell 2990797	
1	C3	1U	MCGPR100V105M5X1 1	MCGPR100V105M5X1 1	Farnell 9451552	
Sub-totals:						

## 12 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	R1	10k	RES40	MRS25000C1002FCT0 0	Farnell 9463976	
2	R2,R12	100R	RES40	MRS25000C1000FCT0 0	Farnell 9463909	
1	R3	100k	RES40	MRS25000C1003FCT0 0	Farnell 9463895	
8	R4-R11	1k	RES40	MRS25000C1001FCT0 0	Farnell 9465170	
Sub-totals:						

## 0 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:						

## 0 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:						

## 5 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	D1	1N4148TR	DO35	1N4148TR	Farnell 9843680	
1	D2	HLMP-Y502-F0000	LED-703-0090	HLMP-Y502-F0000	Farnell 1863180	
1	D3	HLMP-KB45-A0000	LED-703-0090	HLMP-KB45-A0000	Farnell 1003308	
1	D4	HLMP-Y402-G0000	LED-703-0090	HLMP-Y402-G0000	Farnell 1863179	
1	D5	HLMP-K155	LED-703-0090	HLMP-K155	Farnell 1003210	
Sub-totals:						

## 13 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>Name</u>	<u>Stock Code</u>	<u>Unit Cost</u>
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1	B1	Hammond 1591GBK	Enclosure			Farnell 4436933	£8.70
1	J1	71922-134LF	71922-134LF	71922-134LF		Digikey 609-1764- ND	
1	LCD1	LCD-AP	ADM1602K-NSW-FSB	LCD-AP		No fit	
2	RN1-RN2	100k	4609M	4610X-101-104LF		Farnell 9357130	
1	RV1	10K	PRE-3386P	3386P-1-103LF		Farnell 9355030	
1	SW1	RS_PRO_SPDT_LATCHING_PCB	A105	RS PRO SPDT_LATC HING_PCB		RS 734-7003	
1	SW2	KS11R23CQD	KS11R23CQD	KS11R23CQD		Farnell 2931684	
1	SW3	RS_PRO_SPDT_ON-OFF- ON_PCB	A105	RS PRO SPDT_ON- OFF-ON_PCB		Farnell 1818227	
4	SW4-SW7	PT65-303	PT65	PT65-303		Farnell 1082484	

Sub-totals:

£8.70

Totals:

£8.70

08 December 2020 17:08:04