

# Bill Of Materials for Bus Monitor Issue 1

**Design Title** Bus Monitor Issue 1  
**Author** Alan Paton/Julian Winpenny  
**Document Number**  
**Revision** 1  
**Design Created** 17 July 2020  
**Design Last Modified** 08 January 2021  
**Total Parts In Design** 38

## 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:						£0.00

## 16 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>
10	C1-C10	100n	MURATA-RDE-CAP	RDER71H104K0M1H03A	Famell 2990797	
1	C11	0.47uF	MURATA-RDE-CAP	RDER71H474K1M1H03A	Famell 2990810	
2	C12,C21	1U	MCGPR100V105M5X11	MCGPR100V105M5X11	Famell 9451552	
2	C13-C14	22pF	MURATA-RDE-CAP	MC0805N220J500A5	Famell 1694230	
1	C25	100U	CAPPRD250W50D630H1270	PCELEC100U25V180M	Famell 2068981	
Sub-totals:						£0.00

## 6 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>
3	R1-R2,R6	10k	RES40	MRS25000C1002FCT00	Famell 9463976	
1	R3	1M	RES40	MRS25000C1004FCT00	Famell 9465499	
1	R4	100k	RES40	MRS25000C1003FCT00	Famell 9463895	
1	R5	4.7k	RES40	MRS25000C4701FCT00	Famell 9468692	
Sub-totals:						£0.00

## 11 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>
2	U1-U2	74HCT688	DIL20	74HCT688		
1	U3	74LS04	DIL14	74LS04		
1	U4	74LS132	DIL14	74LS132		
1	U5	74LS74	DIL14	74LS74		
4	U6-U9	74LS245	DIL20	74LS245		
1	U10	PIC16F877A	DIL40	PIC16F877A		
1	U11	4060	DIL16	4060		
Sub-totals:						£0.00

## 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:						£0.00

## 0 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>
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Sub-totals: £0.00

5 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>
2	+5V,GND	TP	TP	TP	No fit	
1	E1	INTERAK_ISBUS_B_2	INTERAK_ISBUS_B_2	INTERAK_ISBUS_B_2	No fit	
1	J1	71922-134LF	71922-134LF	71922-134LF	<u>Digikey</u> <u>609-1764-ND</u>	
1	X1	LFXTAL003074	HC49US	LFXTAL003074	Farnell 9712917	

Sub-totals: £0.00

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Totals: £0.00

08 January 2021 15:08:44