

Bill Of Materials for PSG1 Issue 2

Design Title PSG1 Issue 2
Author Interak
Document Number
Revision 2
Design Created 17 August 2020
Design Last Modified 05 October 2020
Total Parts In Design 77

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

29 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>
18	C1-C6,C8-C9, C13,C16,C19- C24,C28,C30	100n	MURATA-RDE-CAP	RDER71H104K0M1H03 A	Farnell 2990797	
2	C7,C11	10U	CAPPRD250W50D630 H1270	MCGPR100V106M6	Farnell 9451560	
1	C10	220U	CAPPRD250W50D630 H1270	25YXJ220M6	Farnell 2811498	
1	C12	10nF	MURATA-RDE-CAP	RDER71H103K0M1H03 A	Farnell 2990795	
1	C14	1U	CAPPRD250W50D630 H1270	MCGPR100V105M5X11	Farnell 9451552	
2	C15,C29	22nF	MURATA-RDE-CAP	RDER71H223K0M1H03 A	Farnell 2990802	
1	C18	47pF	MURATA-RDE-CAP	MC0805N470J500A5	Farnell 2112854	
1	C25	100U	CAPPRD250W50D630 H1270	PCELEC100U25V180M	Farnell 2068981	
2	C26-C27	18pF	MURATA-RDE-CAP	MC0805N180J500A5	Farnell 1694210	
Sub-totals:						£0.00

15 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,R6-R7	1k	RES40	MRS25000C1001FCT0 0	Farnell 9465170	
6	R2,R4-R5,R13- R15	4k7	RES40	MINRES4K7	Farnell 9468692	
1	R3	10R	RES40	MRS25000C1009FCT0 0	Farnell 9464026	
1	R9	330R	RES40	MRS25000C3300FCT0 0	Farnell 9467327	
1	R10	100R	RES40	MRS25000C1000FCT0 0	Farnell 9463909	
1	R11	10k	RES40	MRS25000C1002FCT0 0	Farnell 9463976	
2	R17-R18	33k	RES40	MRS25000C3302FCT0 0	Farnell 9467351	
Sub-totals:						£0.00

17 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	74LS245	DIL20	74LS245		
1	U3	74LS02	DIL14	74LS02		

3	U4,U6,U16	74LS138	DIL16	74LS138	
1	U5	RTC-72421	DIL18	RTC-72421	RTC-72421
1	U7	AY-3-8912	DIL28	AY-3-8912	AY-3-8912
1	U8	74LS04	DIL14	74LS04	
1	U9	74LS00	DIL14	74LS00	
1	U10	LM386	DIL08	LM386	
1	U11	74LS373	DIL20	74LS373	
1	U13	SP0256AL2	DIL28	SP0256AL2	
1	U14	6116	DIL24	6116	
1	U17	CTS256A-AL2	DIL40	CTS256A-AL2	
1	U18	74LS33	DIL14	74LS33	
1	U19	74LS374	DIL20	74LS374	

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>
						£0.00

Sub-totals:

2 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	1N270	DIODE30	1N270	Farnell 1862942	
1	D2	BAT46	DO35	BAT46	Farnell 9801456	

Sub-totals: £0.00

14 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	BAT1	BS7	BAT_BS7	BS7	Digikey BS-7-ND	
1	E1	INTERAK_ISBUS_B_2	INTERAK_ISBUS_B_2	INTERAK_ISBUS_B_2	No fit	
4	J1-J4	HTSW-102-07-T-S	HTSW-102-07-T-S	HTSW-102-07-T-S	Farnell 1925361	
1	L1	100uH	78F101J-RC	78F101J-RC	Farnell 2333635	
1	RV1	POT-VOL	HTSW-103-07-T-S	POT-VOL	Farnell 2856499	
1	VC1	65pF	BFC280832659	BFC280832659	Farnell 1215712	
1	VC2	PTD901-2015K-A103			Digikey PTD901-2015K-A103-ND	
1	X1	HC49U-2-50-100-60-20-ATF	HC49US	HC49U-2-50-100-60-20-ATF	Farnell 1666945	
1	X2	LFXTAL003169	HC49US	LFXTAL003169	Farnell 9713697	

Sub-totals: £0.00

Totals: £0.00