

**LASER HARP V1.1 BPW21 SENSOR 2 REV. B BILL OF MATERIALS**

ITEM	Qty	Parts	Value	Device	ORDER REFERENCE	ORDER QTY	PRICE/ORDER	PRICE/PC	PRICE	STOCK
1	1	R4	150R 1%	RESISTOR_0805	FR: 1469877	50	1.1	0.022	0.022	
2	1	R8	1K 1%	RESISTOR_0805	FR: 1469847	50	1.1	0.022	0.022	
3	1	R9	15K 1%	RESISTOR_0805	FR: 9332618	50	0.95	0.019	0.019	
4	5	R6, R7, R10, R11, R12	10K 1%	RESISTOR_0805	FR: 1469856	50	1.1	0.022	0.11	
5	1	R2	100K 1%	RESISTOR_0805	FR: 1469860	50	1.1	0.022	0.022	
6	3	R1, R3, R5	1M 1%	RESISTOR_0805	FR: 1652946	50	1.1	0.022	0.066	
7	2	C6, C8	20pF 50V COG	CAPACITOR_0805	RS: 723-6231	100	4.6	0.046	0.092	
8	1	C11	100pF 50V COG (*)	CAPACITOR_0805	FR: 1759203	100	1.2	0.012	0.012	
9	9	C1, C2, C9, C10, C12, C13, C14, C15, C16	100nF 50V	CAPACITOR_0805	FR: 1759265	100	1.1	0.011	0.099	
10	1	C7	1uF 16V	CAPACITOR_0805	FR: 1759479	100	4.2	0.042	0.042	
11	3	C3, C4, C5	4.7uF 16V	CAPACITOR_0805	FR: 1759428	100	7.1	0.071	0.213	
12	1	D1	BAS16	BAS16	RS: 436-7773	50	1	0.02	0.02	
13	1	PD1	BPW21	BPW21-PCB-EDGE	RS: 497-5661	1	6.14	6.14	6.14	
14	1	LED1	WHITE	LED1206	RS: 703-1187	10	3.15	0.315	0.315	
15	1	LED2	YELLOW	LED1206	FR: 2099250	1	0.078	0.078	0.078	
16	1	LED3	GREEN	LED1206	FR: 2099247	1	0.078	0.078	0.078	
17	1	IC1	TL072ID	TL072ID	RS: 527-491	25	3.8	0.152	0.152	
18	1	IC2	AD822R	AD822R	FR: 9994351	1	6.75	6.75	6.75	
19	1	IC3	LM311D	LM311D	RS: 528-321	25	2.45	0.098	0.098	
20	1	SERIAL DATA CABLE	9M > 9F 3 meters	(you can make your own cable)	FR: 1651021	1	3.52	3.52	3.52	
21	1	CABLE TIE			FR: 1416039	100	0.95	0.0095	0.0095	
22	1	BARE PCB + ASSEMBLING FEES				1	4	4	4	
23	1	COPPER TUBE	10cm			1	1	1	1	
									22.88	€

RS = Radiospares      FR = Farnell

Prices are exclusive of tax

REV 1.0 Franck Morisseau le 14/07/2012