

LASER HARP V1.1 BPW21 SENSOR 1 REV. C BILL OF MATERIALS

ITEM	Qty	Parts	Value	Device	ORDER REFERENCE	ORDER QTY	PRICE/ORDER	PRICE/PC	PRICE	STOCK
1	6	R2, R12, R14, R17, R19, R21	1K 1%	RESISTOR_0805	FR: 1469847	50	1.1	0.022	0.132	
2	7	R7, R8, R9, R11, R13, R15, R20	10K 1%	RESISTOR_0805	FR: 1469856	50	1.1	0.022	0.154	
3	2	R16, R18	10K 1% (*)	RESISTOR_0805	FR: 1469856	50	1.1	0.022	0.044	
4	1	R10	15K 1%	RESISTOR_0805	FR: 9332618	50	2.4	0.048	0.048	
5	2	R3, R4	100K 1%	RESISTOR_0805	FR: 1469860	50	1.1	0.022	0.044	
6	3	R1, R5, R6	1M 1%	RESISTOR_0805	FR: 1652946	50	1.55	0.031	0.093	
7	5	C9, C10, C11, C12, C15	20pF 50V C0G	CAPACITOR_0805	RS: 723-6231	100	4.6	0.046	0.23	
8	2	C13, C14	100pF 50V C0G (*)	CAPACITOR_0805	FR: 1759203	100	1.2	0.012	0.024	
9	9	C4, C5, C6, C8, C16, C17, C18, C19, C20	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	C1, C2, C3	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-BS	RS: 497-5661	1	6.14	6.14	6.14	
14	1	LED1	GREEN (300mcd min)	LED1206	RS: 466-4030	10	4.31	0.431	0.431	
15	1	LED2	YELLOW (300mcd min)	LED1206	RS: 466-4018	20	3.88	0.194	0.194	
16	1	LED3	WHITE (300mcd min)	LED1206	RS: 703-1187	10	3.15	0.315	0.315	
17	1	IC1	TL074ID	TL074ID	RS: 528-321	25	12.5	0.5	0.5	
18	1	IC2	LM311D	LM311D	RS: 528-157	25	2.45	0.098	0.098	
19	1	IC3	AD822ARZ	AD822ARZ	FR: 9994351	1	6.75	6.75	6.75	
20	1	CN1	SUBD9M-SMD-TYCO	SUBD9M-SMD-TYCO	FR: 1342295	1	5.25	5.25	5.25	
21	3	JP1, JP2, JP3	0.100" M. HDR X3	JP2E	RS: 423-2841	200	8.26	0.0413	0.3717	
22	3	J1, J2, J3		JUMPER	FR: 5217908	10	1.43	0.143	0.429	
23	1	LENS1	CA11265 (*)	HEIDI-LENS	RS: 710-6742	2	3.22	1.61	1.61	
24	1	LIGHT PIPE	MARL PLP1-375		RS: 435-8189	10	4.99	0.499	0.499	
25	1	ENCLOSURE	HAMMOND-ENCLOSURE1551KBK	HAMMOND-ENCLOSURE1551KBK	RS: 513-5375	1	1.74	1.74	1.74	
26	2	SCREW1, SCREW2	#4X1/4	POZIDRIV-SCREW	FR: 1420498	100	3.64	0.0364	0.0728	
26	1	SERIAL DATA CABLE	9M > 9F 3 meters	(you can make your own cable)	FR: 1651021	1	3.52	3.52	3.52	
27	1	BARE PCB + ASSEMBLING FEES				1	4	4	4	
28	1	ENCLOSURE TOOLING				1	2	2	2	
							MOQ PRICE	104.78		35.0635 €

RS = Radiospares FR = Farnell
Prices are exclusive of tax

REV 1.4 Franck Morisseau le 13/02/2013