

Part list for stepper motor card V1.2

Pos	Part number	Description	Value	ordering #	Price/#	Footprint	quantity	Price	Designators	supplier	Remark1	Remark2
1	C17, C13, C16, C15	capacitor	100n	387-8351	0.32	radial 300mil	4	1.28	C17	RS		
2	C14	capacitor	100n	387-8351	0.32	axial 300mil	1	0.32	C13	RS		
3	C12	capacitor	10u16V	262-4901	0.497	radial 100mil	1	0.497	C12	Farnell		VPE 10
4	C2, C4, C6, C9	capacitor	15n	579-210	0.2	radial 300mil	4	0.8	C2	RS		
5	C5, C8	capacitor	220n	579-178	0.14	radial 300mil	2	0.28	C5	RS		
6	C5, C8	capacitor	220n/100V	228-7114	0.9	RB.3/6	1	0.9	C1	RS		VPE 5
7	C7, C3	capacitor	22n	579-210	0.2	radial 300mil	2	0.4	C3	Farnell	see also 403-875	
8	C10	capacitor	3n3	484-8165	0.118	C100_45X25	1	0.118	C10	RS		VPE 50
9	C11	capacitor	470n	179-4318	0.2	Radial 200mil	1	0.2	C11	RS		VPE 5
10	K2, K3	clamp 2 poles 2.54 distance	Winding 1,2	408-7811	0.244	200mil	1	0.244	K2	RS		VPE 5
11	K1	clamp 3 poles 2.54 distance	5V GND 24V	408-7887	0.368	200mil	1	0.368	K1	RS		
12	D2	diode	1N4148	436-7359	0.025	axial 300mil	1	0.025	D2	RS		VPE 100
13	J1	jumper	J1	251-8294	0.5	JUMPER6X2	1	0.5	JP1 JP2 JP3	RS		VPE 10
14	J1	jumper green	J1_2	251-8553	0.275	100mil	1	0.275		RS		
15	J1	jumper blue	J1_3	251-8519	0.275	100mil	1	0.275		RS		
16	J1	jumper red	J1_1	251-8531	0.275	100mil	1	0.275		RS		
17	D1	led	LED	178-0909	0.148	radial 100mil	1	0.148	D1	RS		VPE 10
18	K4	plug	8 pins	296-5000	0.476	SIP8	1	0.476	K4	RS		VPE 5
19	IC1	quad 2 input nand schmitt trigger	4093	308-455	0.3	DIL 14	1	0.3	IC1	RS		
20	R3, R4	resistor	5.6ohm	214-2465	0.268	axial 400mil	2	0.536	R3	RS	sse documentation	VPE 10
21	R8	resistor	1K	148-506	0.111	axial 400mil	1	0.111	R8	RS		VPE 10
22	R9	resistor	1K2	148-528	0.111	axial 400mil	1	0.111	R9	RS		VPE 10
23	R6	resistor	22K	148-815	0.111	axial 400mil	1	0.111	R6	RS		VPE 10
24	R10	resistor	33K	148-859	0.111	axial 400mil	1	0.111	R10	RS		VPE 10
25	R5, R7	resistor	47K	148-893	0.111	axial 400mil	2	0.222	R7	RS		VPE 10
26	R11	resistor	4K7	148-663	0.111	axial 400mil	1	0.111	R11	RS		VPE 10
27	P1, P2, P3	resistor	500K	162-625	1.28	VR1	3	3.84	P1	RS		VPE 10
28	R12	resistor	82K	148-950	0.111	axial 400mil	1	0.111	R12	RS		VPE 10
29	R13	resistor	9K	148-720	0.11	axial 400mil	1	0.11	R13	RS		VPE 10
30	R1	resistor 5W	0.1ohm 5W	485-2344	0.83	radial 200mil	1	0.83	R1	RS		VPE 5
31	R2	resistor 5W	0.1ohm 5W	485-2344	0.83	radial 200mil	1	0.83	R2	RS		VPE 5
32	IC2	stepper motor controller	L297	2509210082	8.84	DIP20	1	8.84	IC2	RS		
33	IC3	stepper motor driver bridge	L6203	189-1217	11.7	ZIP-11V	1	11.7	IC3	RS		
34	IC4	stepper motor driver bridge	L6203	189-1217	11.7	ZIP-11V	1	11.7	IC4	RS		
35	T2	transistor	BC640	112-4769	0.14	TO-126	1	0.14	T1	RS		VPE 5
36	T1	transistor	BC547B	296-087	0.12	TO-126	1	0.12	T2	RS		VPE 5
37	K4	crimp contacts		467-598	0.076		10	0.76		RS		
38	IC1	IC socket 14 pins		197-2653	0.392		11	4.312		RS		VPE 28
39	IC2	IC socket 20 pins		197-2681	0.554		12	6.642		RS		VPE 20
40								47.975				
41						VAT 20%	Sum	57.57				
42		PCB stepper motor card V1.2										
43		Cooler (for three cards)		189-8533	14.31		1	14.31		RS		
44		100mil = 2.54mm										
45												
46		list without warranty										