

Derbot Parts List (to Build Stage 2)

rev. 11.11.10

Note: This list is believed correct. Anyone using it should check that it contains the parts needed for their chosen Derbot version.

<u>Item</u>	<u>Cct Ref</u>	<u>Qty</u>	<u>Supplier</u>	<u>Supplier Code</u>	√
Large Items					
PCB main (chassis)		1	P&M Services		
PCB Battery pack		1	P&M Services		
Geared Motor		2	MFA/Como	918D30112/1	
Wheel		2	Rapid	37-1320 (pack of 4)	
Battery holder		2	Rapid	18-2967	
Small Hardware					
10mm M3 spacer/pillar		12	Rapid	33-2046	
Screw c/s M3 x 6mm		8	Rapid	33-2950 (pack of 100)	
OR Screw panhead M3 x 6mm		8	Rapid	33-2300	
Nut M3		8	Rapid	33-1710 (pack of 100)	
Tail skid			B&Q or similar		
Switches and Connectors					
microswitch		2	Rapid	78-2408	
Mode, Power switches		2	Rapid	76-0200	
reset switch		1	Rapid	78-0605	
power input connector		1	Rapid	20-0970	
power plug		1	Rapid	20-0905	
Comms Connector 6/6 (ICD2)		1	Rapid	24-0460	
Terminal Pins, single sided		13	Rapid	34-0610 (per 100) 34-0620 (per 1000)	
power connector wire. black/red		15mm approx			
Small Electronic Components					
Voltage Reg	U2	1	RS	411-826	
OR LE50CZ		1	Rapid	82-3012	
Crystal 4MHz		1	Rapid	90-0310	
led, min, red		2	Rapid	55-0150	
24k res	R1,3,4,13	4	Rapid		
820R res	R11, 12	2	Rapid		
10k res		2	Rapid	62-7538	
33p cap, ceramic	C4, C5	2	Rapid	08-0050	
1u, 25V tant	C1	1	Rapid	11-1036	
100u, 10V, elec	C2	1	Rapid	11-0310	
100n	C3	1	Rapid	08-0235	
Semiconductors and Sockets					
PIC 16F873A-/SP (programmed with Prog. Ex. 8.4)	U1	1	Rapid Or RS Or Farnell	73-3342 467-1527 9761098	
74HC14		1	Rapid	83-0050	
L293D		1	Rapid	82-0192	
28-pin ic skt		1	Rapid	22-0175	
16-pin ic skt		1	Rapid	22-0160	
14-pin ic skt		1	Rapid	22-0155	