

65M5036-H: P1X8 AfrikaBot rapid prototyping printed circuit board (PCB) only

QTY	DESCRIPTION	PART #	PACKED
BAG # 1	PRINTED CIRCUIT BOARD		
1	P1X8 prototyping PCB	65M5036-H	

THESE ARE THE PARTS YOU WILL REQUIRE TO BUILD THE AFRIKABOT CONTROL BOARD – THEY ARE NOT INCLUDED IN THE PURCHASE OF THE PCB:

BAG # 2	PARTS FOR PCB - GROUP ONE	
10	4K7 resistor 1/8w (5%)	14M8107
10	1k resistor 1/8w (5%)	72M1627
20	10k resistor 1/8w (5%)	72M1626
20	220E resistor 1/8w (5%)	72M4697
1	1000uf elec cap 16v	65M0393-H
10	104 ceramic cap	72M1700
1	Quartz crystal (tin can low profile) 20,000 kHz	14M5238
10	LED red	64M0021
10	LED green	72M0905
5	NPN transistor 2N3904	14M3778
5	PNP transistor 2N3906	14M8060
1	TC54VN4302EZB (TO92 reset supervisor)	14M1983
BAG # 3	PARTS FOR PCB - GROUP TWO	
5	Tactile switch	72M1360
2	Slide switch PCB mount SPDT	72M4222
3	2pin Molex PCB SIL male	72M3773
4	3pin Molex PCB SIL male	14M2692
1	8 pin DIP IC socket	70M0087
1	28 pin DIP IC socket (wide)	70M0095
1	40 ways SIP inline socket strip	14M5073
BAG # 4	PARTS FOR PCB - GROUP THREE	
1	TO220 LM2940 5v regulator	35M3375
1	TO220 heatsink compact	14M9087
1	DB9 connector, right angle, female, solder type, with PCB type pins	72M1460
BAG # 5	FASTNERS PACK (NUTS and BOLTS, ETC)	
4	M3 screw cheesehead galv M3 8mm (heatsink)	14M1144
4	M3 nut hex galv	14M1165
4	M3 springlock washer galv	14M1160
BAG # 6	PROCESSOR and MEMORY	
1	EEPROM 24LC16B	72M2257
1	PBASIC/2P 28 pin DIP	35M3330
BAG # 7	POWER ACCESSORIES	
1	AA x6 battery holder	72M1142
2	9v PP3 type battery connector clip	14M4025-M
4	MOLEX inline connector 2 way housing female	64M0052
1	MOLEX terminals solder 10pk inline	14M1933
BAG # 9	BREADBOARD and breadboard ACCESSORIES	
1	Mini breadboard 46x36	82M1477
2	Mini thumbwheel Trimpot pcb mount	82M1276
5	Capacitor elec 10uF 16v	72M3327
4	LDR 4x5 range 4k-200k	14M2067
1	Mini audio transducer/spkr PCB mount	65M0513-H
1	Hook-up wire KIT 1m BLUE/BLACK, RED/ORA, 3Xother colours	45M0355
10	Resistors 10k 5% quarter watt	64M0007