# ProtoBot parts list:

(List includes everything needed for 20 complete robots, excluding batteries and 3D printed parts)

- 40 x N20 Gear motors (300RPM, 12V)
- 5 x Plastic Wheels (39mm dia, for D type axle - One lot is enough for 5 robots)
- 5 x Tactile Switches (Bump Sensors, One lot is enough for 5 robots)
- 2 x L293D Motor Driver IC (One lot is enough for 10 robots)
- 5 x Wires (Female to female jumper wires - One lot is enough for 4 robots)
- 2 x Headers (One lot is enough for 10 robots)
- 2 x 9V battery Clips (One lot is enough for 10 robots)
- 1 x 10K resistors (One lot is enough for 25 robots)
- 1 x 220 Ohm resistors (One lot is enough for 50 robots)
- 20 x Arduino Nano (ATEMGA328P module, not interface base module)
- 4 x Reflective IR optical sensor (Enough for 5 robots)
- 1 x Female header pins (One lot is about enough for 133 robots, unless you use them under the Arduinos)