Detailed Bill of Materials

Component	Quantity	Price	Link
Mechanical Components			
3D printed pieces	12 pieces	$60	*Privately Sourced*
Acrylic Pieces	3 pieces	$8.35	Art Friends
3mm Flywheel Mounting Hub	1	$9.20	Robot R Us
M3 Nuts	36	$4.20	Lazada
M2 Nuts	28		
M3x30	2		
M3x20	4		
M3x15	24		
M3x10	6		
M2x15	8		
M2x10	18		
M2x5	2		
M2 Washers	12		
M3 Washers	4		
M3x10 F to F Standoffs	2	$1.50	DigiKey Electronics
Anti-Slip Mat	200mm x 200mm	$9.00	Monotaro
Total	163	$92.25	-
Electrical Components			
AMG8833	1	$29.69	Aliexpress
PN532 Breakout Board	1	$54.57	Adafruit
Geared DC Motor	1	$10.44	SG-RS
DC Motor Driver	1	$11	Cytron Marketplace
Stepper Motor and Driver	1	$6.99	Shopee

Protoboard	1	$4.00	Sim Lim Square
100 Ohm Resistor	1	$0.15	DigiKey Electronics
1 MicroFarad Capacitor	1	$0.50	Element 14
LDR	1	$3.00	Element 14
Total	9	$120.34	-
TurtleBot Set			
Raspberry Pi	2		
Open Cr	1		
Lidar	1		
Dynamixel Motor	2	$804.49	Robotis Shop
Battery and Charger	2		
Other Mechanical Components, Cables and Wires (Waffle plates, Wheels, screws, spacers, etc)	204		
Total	212		-

Total	**Number of Parts**	**Price**
	384	$1017.08