

Robot-in-3-Days Resource Guide (DECODE™)
Bill of Materials

SKU	QTY	PRODUCT NAME
1101-0023-0184	1	1101 Series U-Beam (23 Hole, 184mm Length)
1112-0001-0048	2	1112 Series Low-Side L-Channel (1 Hole, 48mm Length)
1116-0040-0072	1	1116 Series Grid Plate (5 x 9 Hole, 40x 72mm)
1117-0088-0352	4	Clear Polycarbonate Grid Plate (1.5mm Thickness, 11 x 44 Hole, 88 x 352mm)
1120-0010-0264	2	1120 Series U-Channel (10 Hole, 264mm Length)
1120-0017-0432	2	1120 Series U-Channel (17 Hole, 432mm Length)
1121-0001-0048	1	1121 Series Low-Side U-Channel (1 Hole, 48mm Length)
1121-0004-0120	2	1121 Series Low-Side U-Channel (4 Hole, 120mm Length)
1121-0006-0168	2	1121 Series Low-Side U-Channel (6 Hole, 168mm Length)
1121-0013-0336	5	1121 Series Low-Side U-Channel (13 Hole, 336mm Length)
1121-0014-0360	1	1121 Series Low-Side U-Channel (14 Hole, 360mm Length)
1126-0001-0001	1	1126 Series Steel Flat Bracket (1-1) - 2 Pack
1143-0004-0120	1	1143 Series Mini Low-Side U-Channel (4 Hole, 120mm Length)
1143-0006-0168	3	1143 Series Mini Low-Side U-Channel (6 Hole, 168mm Length)
1201-0043-0002	8	1201 Series Quad Block Pattern Mount (43-2)
1205-0001-0005	6	1205 Series Dual Block Mount (1-5) - 2 Pack
1205-0002-0001	2	1205 Series Dual Block Mount (2-1) - 2 Pack
1209-0001-0001	1	Battery Mount for 12V NiMH Nested Battery
1309-0016-4008	2	1309 Series Sonic Hub (8mm REX™ Bore)
1310-0016-4008	2	1310 Series Hyper Hub (8mm REX™ Bore)
1501-0006-0240	1	1501 Series M4 x 0.7mm Standoff (6mm OD, 24mm Length) - 4 Pack
1502-0006-0120	2	1502 Series 4mm ID Spacer (6mm OD, 12mm Length) - 4 Pack
1502-0006-0160	1	1502 Series 4mm ID Spacer (6mm OD, 16mm Length) - 4 Pack
1502-0006-0240	1	1502 Series 4mm ID Spacer (6mm OD, 24mm Length) - 4 Pack
1505-0032-0160	2	1505 Series 32mm OD Counterbored Pattern Spacer (16mm Length)
1522-0010-0030	1	1522 Series 8mm ID Spacer (10mm OD, 3mm Length) - 4 Pack
1522-0010-0040	2	1522 Series 8mm ID Spacer (10mm OD, 4mm Length) - 4 Pack
1522-0010-0060	1	1522 Series 8mm ID Spacer (10mm OD, 6mm Length) - 4 Pack
1522-0010-0080	1	1522 Series 8mm ID Spacer (10mm OD, 8mm Length) - 4 Pack
1522-0010-0090	1	1522 Series 8mm ID Spacer (10mm OD, 9mm Length) - 4 Pack
1522-0010-0120	5	1522 Series 8mm ID Spacer (10mm OD, 12mm Length) - 4 Pack
1526-0032-0100	1	1526 Series 32mm OD Plastic Pattern Spacer (10mm Length) - 2 Pack
1602-0032-0008	6	8mm Bore 1-Side, 2-Post Pillow Block (24mm Height)
1611-0514-0006	2	1611 Series Flanged Ball Bearing (6mm ID x 14mm OD, 5mm Thickness) - 2 Pack
1611-0514-0008	5	1611 Series Flanged Ball Bearing (8mm ID x 14mm OD, 5mm Thickness) - 2 Pack
1611-0514-4008	4	1611 Series Flanged Ball Bearing (8mm REX™ ID x 14mm OD, 5mm Thickness) - 2 Pack
1802-0043-0001	1	1802 Series Servo Frame (43mm Width, for Standard Size Servos)
1900-0025-0104	1	1900 Series Single Servo Arm (25 Tooth Spline, 32mm Length)
2000-0025-0002	1	2000 Series Dual Mode Servo (25-2, Torque)
2000-0025-0004	2	2000 Series Dual Mode Servo (25-4, Super Speed)
2106-4008-1440	2	8mm REX™ Shaft with E-Clip (Stainless Steel, 144mm Length)
2106-4008-1920	4	8mm REX™ Shaft with E-Clip (Stainless Steel, 192mm Length)
2106-4008-2640	1	8mm REX™ Shaft with E-Clip (Stainless Steel, 264mm Length)
2106-4008-2880	2	8mm REX™ Shaft with E-Clip (Stainless Steel, 288mm Length)
2110-0608-0002	4	Shouldered 8mm REX™ Hub-Shaft (20mm Hub Offset)
2302-0014-0060	2	2302 Series Aluminum, MOD 0.8, Hub Mount Gear (14mm Bore, 60 Tooth)
2320-4008-0024	8	Clamping Steel Miter Gear (8mm REX™ Bore, 24 Tooth, MOD 1)
2800-0004-0008	3	M4 x 0.7mm Zinc-Plated Socket Head Screw (8mm Length) - 25 Pack
2800-0004-0010	4	M4 x 0.7mm Zinc-Plated Socket Head Screw (10mm Length) - 25 Pack

2800-0004-0012	3	M4 x 0.7mm Zinc-Plated Socket Head Screw (12mm Length) - 25 Pack
2800-0004-0014	1	M4 x 0.7mm Zinc-Plated Socket Head Screw (14mm Length) - 25 Pack
2800-0004-0016	1	M4 x 0.7mm Zinc-Plated Socket Head Screw (16mm Length) - 25 Pack
2800-0004-0022	1	M4 x 0.7mm Zinc-Plated Socket Head Screw (22mm Length) - 25 Pack
2800-0004-0025	1	M4 x 0.7mm Zinc-Plated Socket Head Screw (25mm Length) - 25 Pack
2800-0004-0045	1	M4 x 0.7mm Zinc-Plated Socket Head Screw (45mm Length) - 25 Pack
2801-0004-0008	1	2801 Series Zinc Plated Steel Washer (4mm ID x 8mm OD)
2802-0004-0010	1	2802 Series Zinc-Plated Steel Button Head Screw (M4 x 0.7mm, 10mm Length) - 25 Pack
2807-0811-0500	1	2807 Series Stainless Steel Shim (8mm ID x 11mm OD, 0.50mm Thickness) - 12 Pack
2807-0811-1000	1	2807 Series Stainless Steel Shim (8mm ID x 11mm OD, 1mm Thickness) - 12 Pack
2812-0004-0007	2	M4 x 0.7mm Nylock Nut - 25 Pack
2815-0004-0012	1	Zinc-Plated Steel Thread-Forming Socket Head Screw (M4 x 12mm Length) - 25 Pack
2909-0101-0100	1	Zip Tie (100mm Length, Black) - 100 Pack
2910-0920-4008	13	2910 Series Aluminum Clamping Collar (8mm REX™ ID x 20mm OD, 9mm Length)
3100-0012-0020	1	12V NiMH Nested Battery (3000mAh, MH-FC XT30 Connector)
3217-0001-2501	2	Compact ServoBlock® (43mm Width, For Standard Size H25T Spline Servo, Hub-Shaft)
3302-4008-0014	2	8mm Pitch Steel Clamping Sprocket (8mm REX™ Bore, 14 Tooth)
3307-4008-0010	2	3307 Series 8mm Pitch Steel Set-Screw Sprocket (8mm REX™ Bore, 10 Tooth)
3310-0014-0014	2	8mm Pitch Steel Hub-Mount Sprocket (14mm Bore, 14 Tooth)
3422-4008-0020	4	2mm Pitch GT2 Pinion Timing Pulley (8mm REX™ Bore, 20 Tooth)
3613-4008-0048	8	3613 Series Gecko® Wheel (8mm REX™ Bore, 48mm Diameter)
3615-4008-0072	6	3615 Series Boot-Wheel (8mm REX™ Bore, 72mm Diameter, 30A Durometer)
3615-4008-0096	4	3615 Series Boot-Wheel (8mm REX™ Bore, 96mm Diameter, 30A Durometer)
3618-4008-0016	2	Intake Roller Wheel (8mm REX™, 16mm Diameter, 16mm Width, 30A Durometer) - 8 Pack
3625-0202-0104	1	GripForce™ Mecanum Wheel Set (Ø104mm, 40A Durometer Rollers)
3626-0014-0096	4	Hogback Traction Wheel (96mm Diameter, 50A Durometer)
3628-0032-0082	2	Steel Flywheel (82mm Diameter, 152g, 840 g·cm²)
4007-4008-4008	2	4007 Series Hyper Coupler (8mm REX™ Bore to 8mm REX™ Bore)
5203-2402-0001	2	5203 Series Yellow Jacket Planetary Gear Motor (1:1 Ratio, 24mm Length 8mm REX™ Shaft, 6000 RPM)
5203-2402-0005	1	5203 Series Yellow Jacket Planetary Gear Motor (5.2:1 Ratio, 24mm Length 8mm REX™ Shaft, 1150 RPM)
5203-2402-0019	4	5203 Series Yellow Jacket Planetary Gear Motor (19.2:1 Ratio, 24mm Length 8mm REX™ Shaft, 312 RPM)