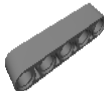

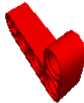

















## Build of materials



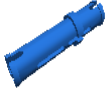

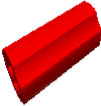
Below is the Build Of Material (BOM) that is used to build the self-driving car and ensure each component aligned together with the self-driving car's functional needs.





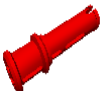



No	Brick	Name	Picture	Part	Color Code	Quantity
1	4587275	WEDGE-BELT WHEEL Ø24		4185	199 - Dark Stone Grey	2
2	4297210	RIM WIDE W.CROSS 30x20		56145	194 - Medium Stone Grey	2
3	4543768	RIM Ø 43,2 X 18		32020	24 - Bright Yellow	2
4	4184286	TYRE NORMAL WIDE Ø43,2 X 22		44309	26 - Black	2
5	4547373	TYRE Ø 62,4X20		32019	26 - Black	2
6	6008919	MS, EV3, SENSOR, COLOR		95650	194 - Medium Stone Grey, 1 - White, 26 - Black, 102 - Medium Blue, 21 - Bright Red	1
7	6008916	MS, EV3, GYRO SENSOR		99380	194 - Medium Stone Grey, 1 - White, 315 - Silver Metallic, 21 - Bright Red	1

8	6008577	SMALL MOTOR		99455	21 - Bright Red, 194 - Medium Stone Grey, 1 - White, 315 - Silver Metallic	2
9	6063629	MS-EV3, ULTRASONIC SENSOR		95652	194 - Medium Stone Grey, 1 - White, 26 - Black, 41 - Tr. Red, 315 - Silver Metallic	2
10	6009996	MS-EV3, P- BRICK		95646	1 - White, 194 - Medium Stone Grey, 40 - Transparent, 199 - Dark Stone Grey, 315 - Silver Metallic	1
11	4142822	TECHNIC 3M BEAM		32523	26 - Black	2
12	4210751	TECHNIC 3M BEAM		32523	199 - Dark Stone Grey	2
13	4153718	TECHNIC 3M BEAM		32523	21 - Bright Red	2
14	4142135	TECHNIC 5M BEAM		32316	26 - Black	1

15	4210686	TECHNIC 5M BEAM		32316	199 - Dark Stone Grey	1
16	4495930	TECHNIC 7M BEAM		32524	194 - Medium Stone Grey	2
17	4141270	TECHNIC ANG. BEAM 4X2 90 DEG		32140	21 - Bright Red	4
18	4645732	TECHNIC 9M BEAM		40490	26 - Black	4
19	4211866	TECHNIC 9M BEAM		40490	194 - Medium Stone Grey	4
20	4552347	T-BEAM 3X3 W/HOLE Ø4.8		60484	26 - Black	4
21	4611705	TECHNIC 11M BEAM		32525	194 - Medium Stone Grey	1
22	4542573	TECHNIC 15M BEAM		32278	26 - Black	2
23	4542578	TECHNIC 15M BEAM		32278	1 - White	2

24	4142823	TECHNIC ANG. BEAM 3X5 90 DEG.		32526	26 - Black	2
25	4210753	TECHNIC ANG. BEAM 3X5 90 DEG.		32526	199 - Dark Stone Grey	6
26	4128593	TECHNIC ANGULAR BEAM 4X4		32348	26 - Black	2
27	4111998	DOUBLE ANGULAR BEAM 3X7 45°		32009	26 - Black	4
28	4495412	DOUBLE ANGULAR BEAM 3X7 45°		32009	1 - White	2
29	6030286	LEVER 5M		11478	26 - Black	2
30	6009019	TRIANGEL		99773	194 - Medium Stone Grey	1
31	4239601	1/2 BUSH		32123	24 - Bright Yellow	6
32	4142865	2M CROSS AXLE W. GROOVE		32062	21 - Bright Red	1

33	4121715	CONNECTOR PEG W. FRICTION		2780	26 - Black	54
34	4211807	CONNECTOR PEG		3673	194 - Medium Stone Grey	1
35	4211815	CROSS AXLE 3M		4519	194 - Medium Stone Grey	4
36	4211622	BUSH FOR CROSS-AXLE		6590	194 - Medium Stone Grey	8
37	4206482	CONN.BUSH W.FRIC./CROS SALE		43093	23 - Bright Blue	18
38	4514553	CONNECTOR PEG W. FRICTION 3M		6558	23 - Bright Blue	22
39	6015356	CON. BUSH 2M FR. + CROSS AXLE		11214	199 - Dark Stone Grey	2
40	4513174	CROSS AXLE, EXTENSION, 2M		59443	21 - Bright Red	2
41	6031821	CROSS AXLE 3M WITH KNOB		6587	138 - Sand Yellow	2

42	4211639	CROSS AXLE 5M		32073	194 - Medium Stone Grey	4
43	4107085	ANGLE ELEMENT, 0 DEGREES [1]		32013	26 - Black	2
44	370626	CROSS AXLE 6M		3706	26 - Black	1
45	4211865	2M FRIC. SNAP W/CROSS HOLE		32054	194 - Medium Stone Grey	2
46	4140806	2M FRIC. SNAP W/CROSS HOLE		32054	21 - Bright Red	2
47	4211805	CROSS AXLE 7M		44294	194 - Medium Stone Grey	2
48	4121667	DOUBLE CROSS BLOCK		32184	26 - Black	4
49	370726	CROSS AXLE 8M		3707	26 - Black	1

50	4107783	ANGLE ELEMENT, 180 DEGREES [2]		32034	26 - Black	1
51	4563044	2X1X3 STEERING KNUCKLE ARM		33299	26 - Black	3
52	4119589	MODULE BUSH		32138	26 - Black	2
53	4538007	CROSS BLOCK 3X2		63869	194 - Medium Stone Grey	1
54	4225033	BEAM 3 M. W/4 SNAPS		48989	194 - Medium Stone Grey	3
55	4558692	BEAM 3M Ø4.85 W. FORK		87408	26 - Black	1
56	4296059	Angular beam 90degr. w.4 snaps		55615	194 - Medium Stone Grey	2
57	4539880	BEAM FRAME 5X7 Ø 4.85		64179	194 - Medium Stone Grey	3
58	4565452	CONICAL WHEEL Z12		6589	5 - Brick Yellow	3

59	6031962	BEVEL GEAR Z20		32198	5 - Brick Yellow	1
60	4255563	DOUBLE CONICAL WHEEL Z36		32498	26 - Black	1
61	4525184	DIFFERENTIAL 3M Z 28		628 21	199 - Dark Stone Grey	1
Total						227