

Speed Code Chart

Pin 9 10 11
 Left — D₆ D₅ D₄
 Right — D₂ D₁ D₀

	4	2	1	Speed	74LS 151 Pin #	From	Forward	Reverse	
0	0	0	0	Stop	4	Gnd	0	8	Stop
1	0	0	1	1/4	3	÷3 Pin 9	1	9	1/4
2	0	1	0	1/2	2	÷2 Pin 9	2	A	1/2
3	0	1	1	3/4	1	÷3 Pin 9	3	B	3/4
4	1	0	0	Full	15	+5V	4	C	Full
5	1	0	1	Stop	14	Gnd	5	D	
6	1	1	0	Stop	13	Gnd	6	E	
7	1	1	1	Stop	12	Gnd	7	F	

Address:

Connections: D₀ - D₇ - 8 wires
 requires 10 +5V 1
 wires from upper Power Gnd-Logic 1 (available Locally)
 torso Signal Gnd 1
 +12V unreg. 1 (available locally)
 Left & Right Speed 2 (" ")
 " " Direction 2 (" ")

$$74LS151 = 29 \times 2 = 58$$

$$74LS00 = 12 \times 1 = 12$$

$$74LS73 = 20 \times 2 = 40$$

$$SN75446 = 12 \times 1 = 12$$

$$555? = 20 \times 1 = \frac{20}{142 \times .8} = 114 \text{ MA Load}$$