









Disk Motor



Servo Motor





Synchronous

Motor

DC Brushless Motor



Repulsion

Motor

In-wheel Motor



Hysteresis

Motor

Series Wound Out-runner DC Motor



Reluctance

Motor

Motor



Capacitor Motor



Torque Motor



Magnetic Levitation Motor



AC Induction

Motor

Compound **Wound DC** Motor



Three-phase Induction Motor



Single-phase Induction Motor



Permanent Magnet DC Motor



Universal Motor



Hydraulic Motor



Motor



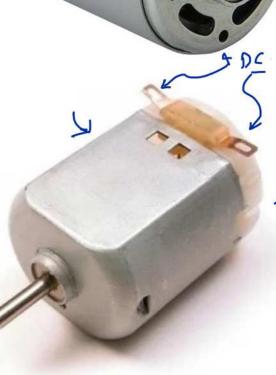
In-runner Piezoelectric Motor

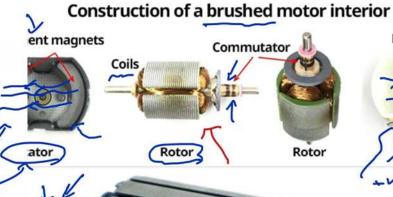
Brushes



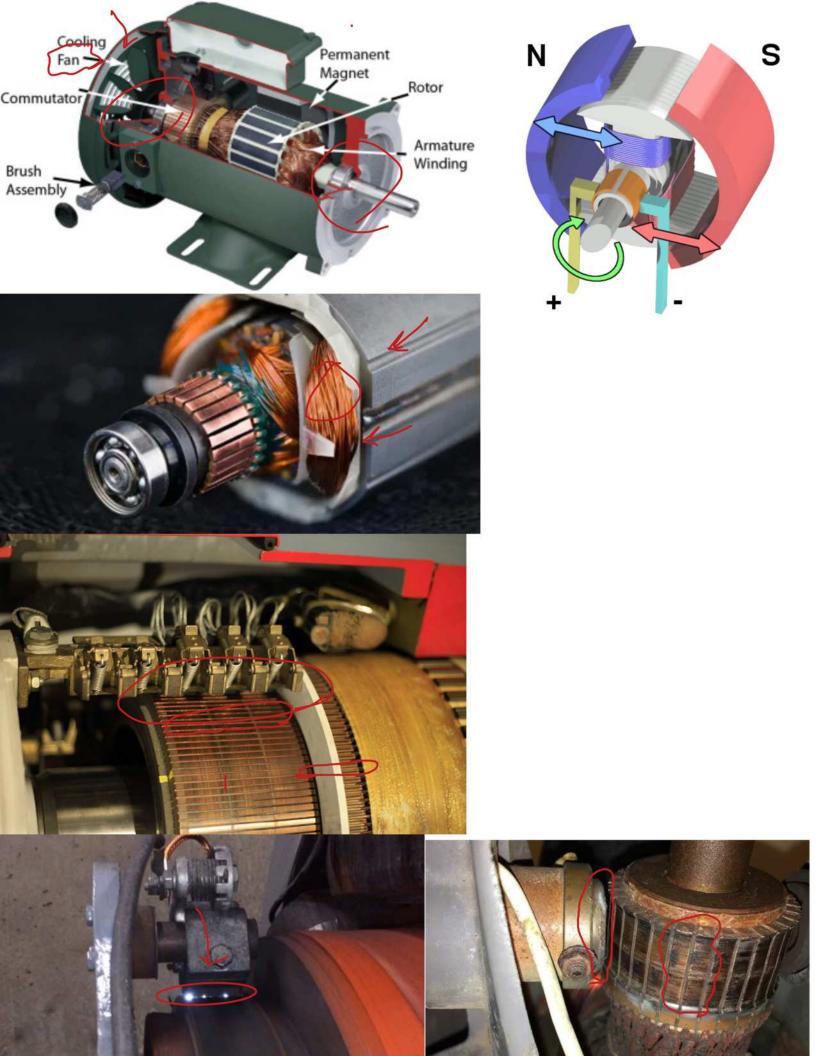




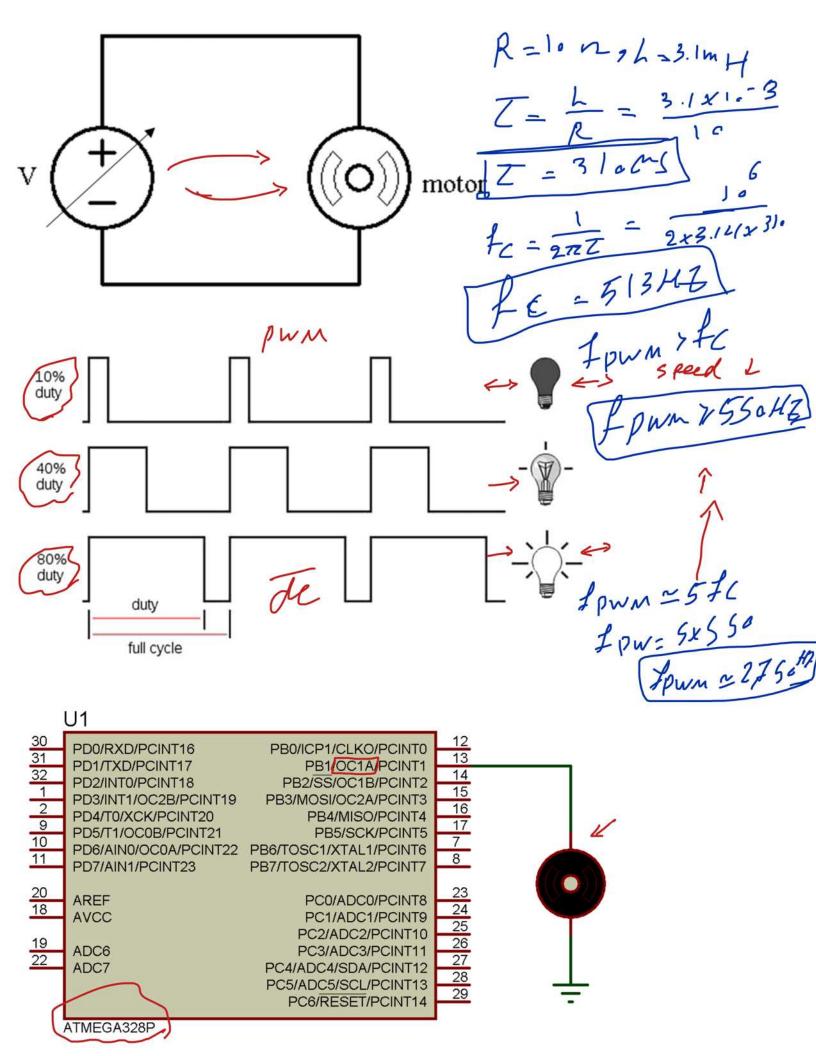


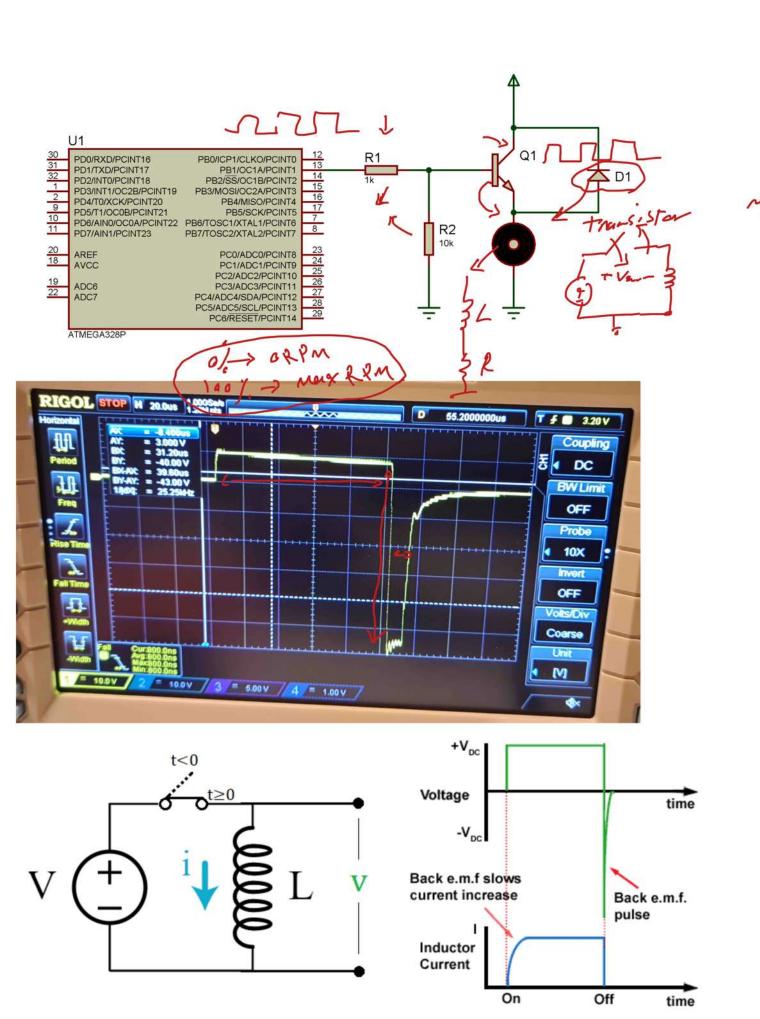


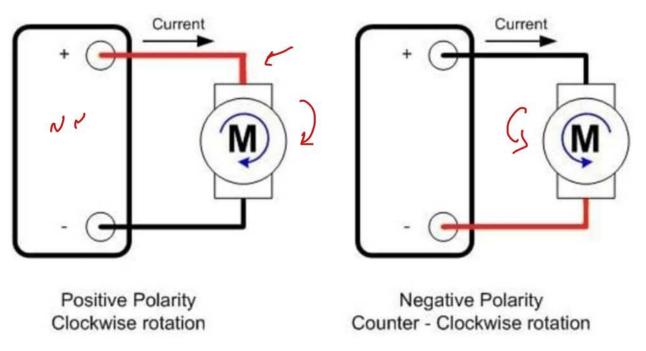


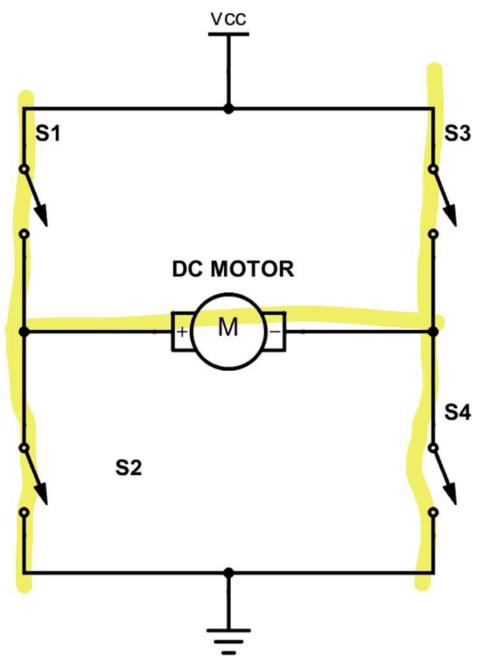


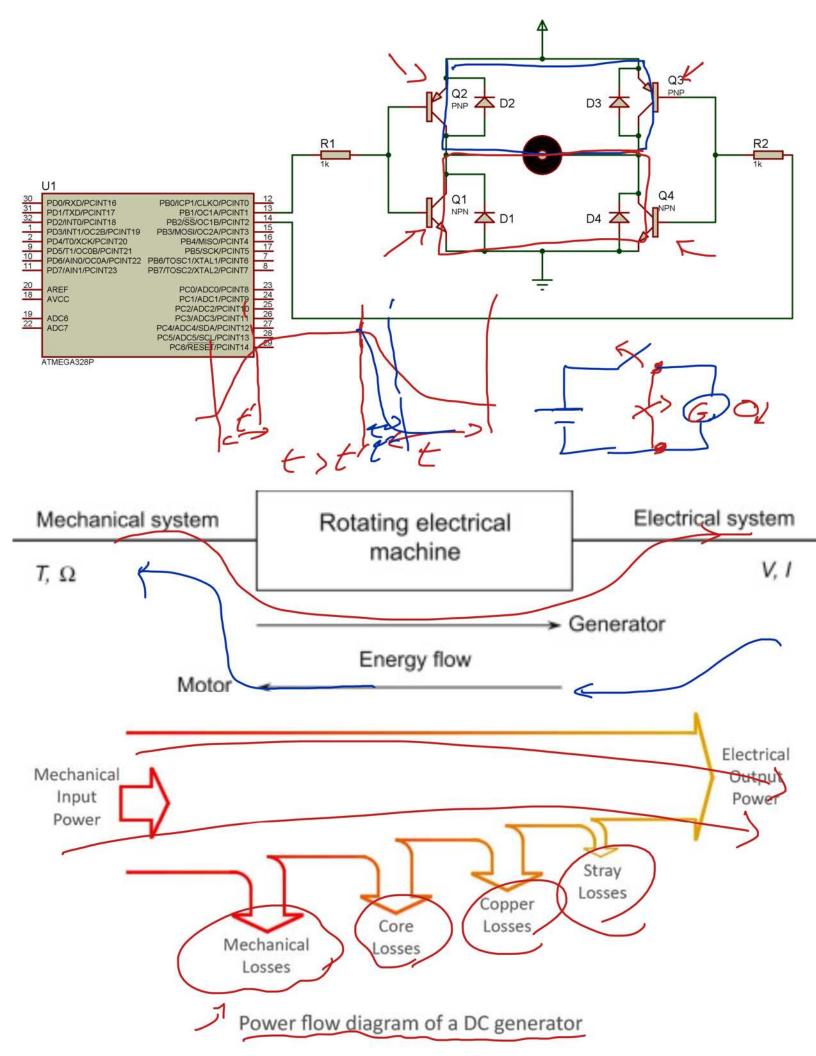


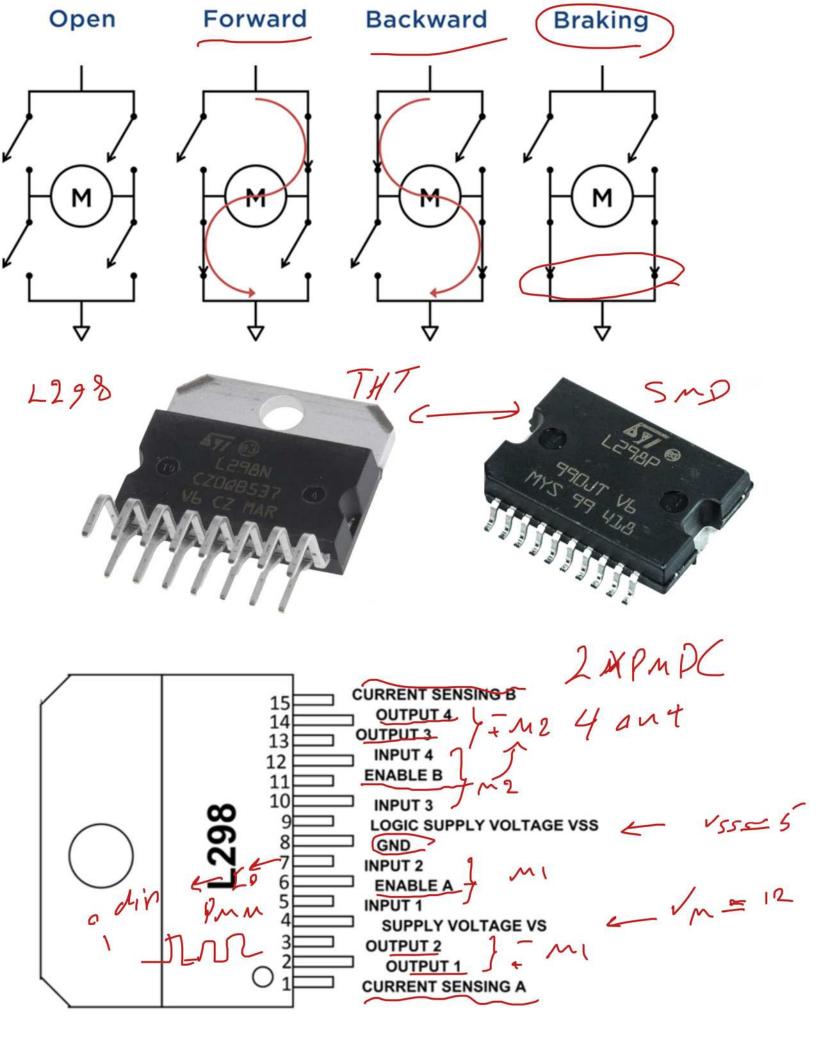


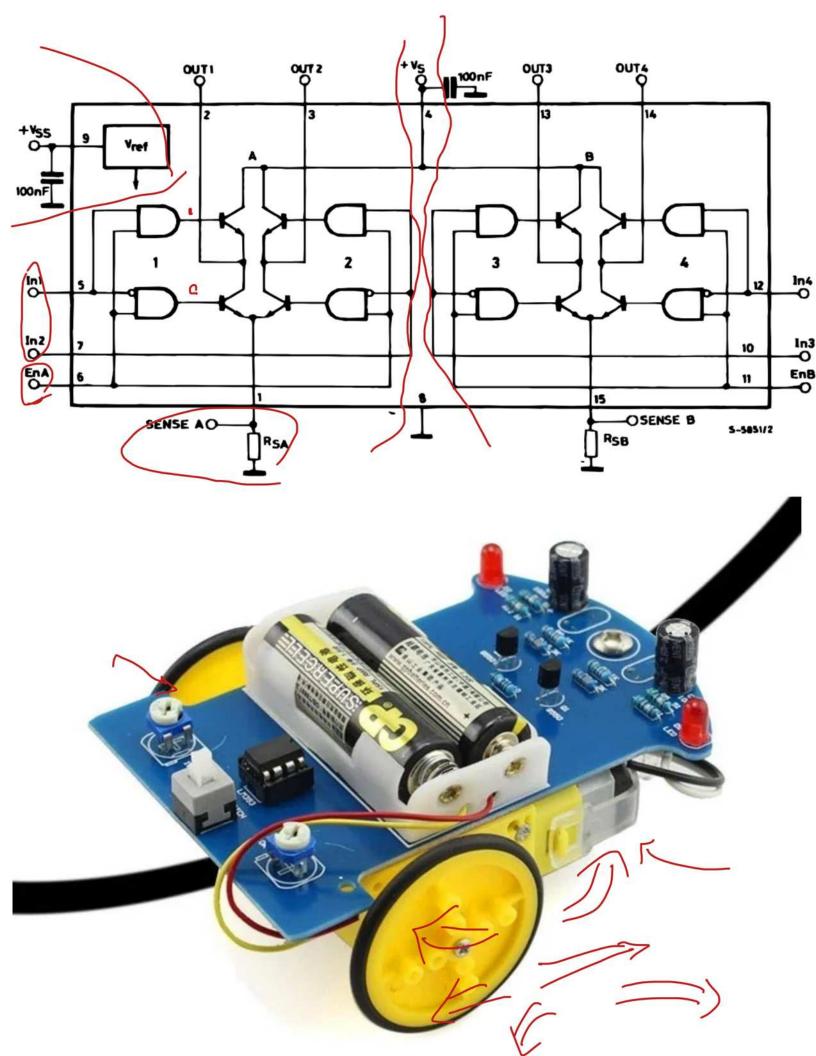


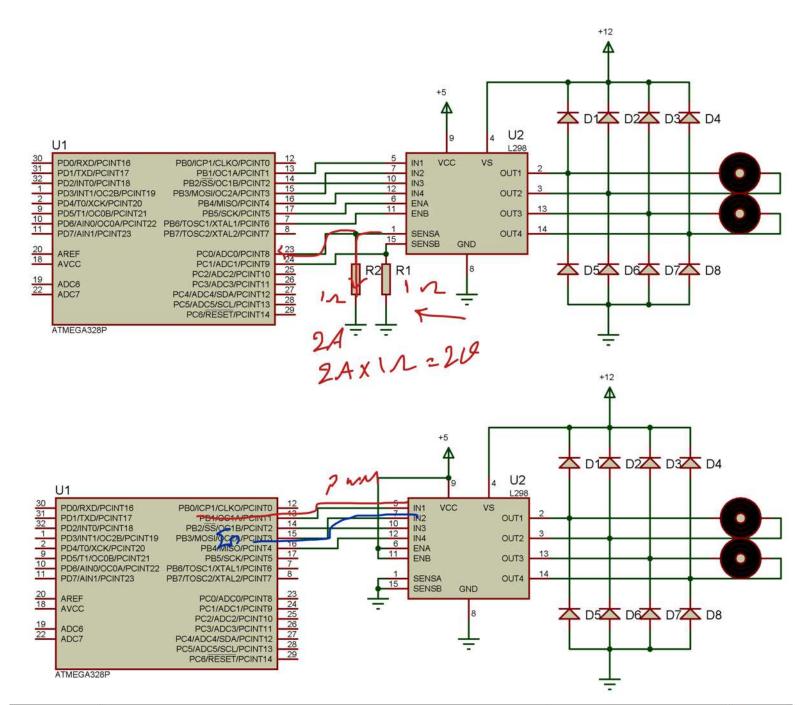




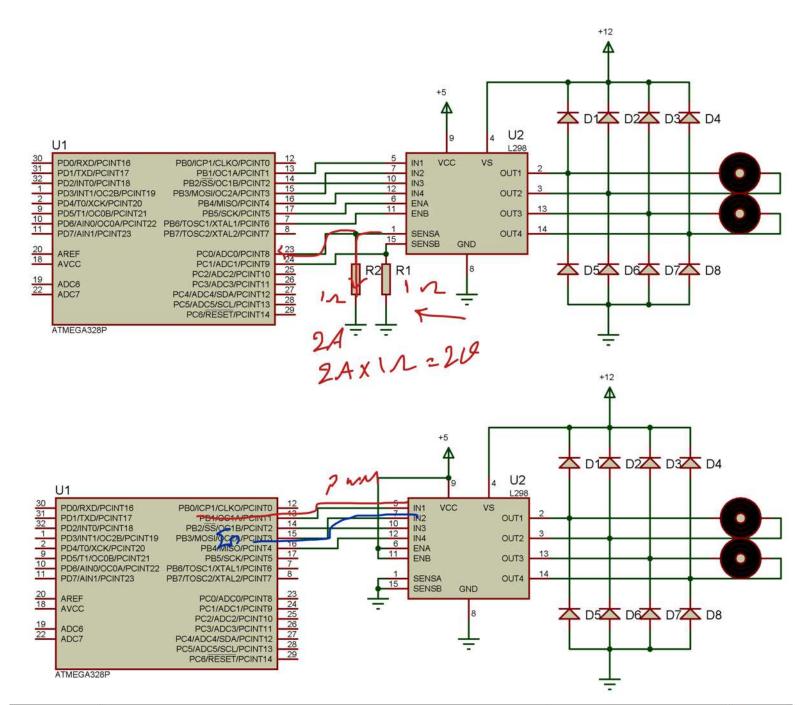




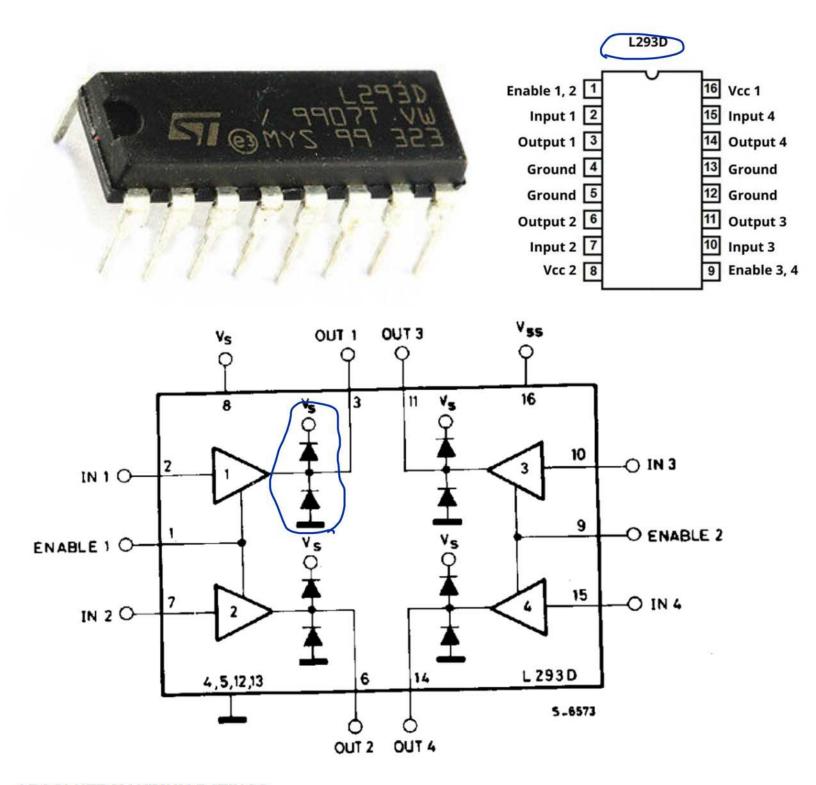




Symbol	Parameter	Value	Unit
Vs	Power Supply 12	(50-)	V
V _{SS}	Logic Supply Voltage	(7)	V
V _I ,V _{en}	Input and Enable Voltage	-0.3 to 7	V
lo	Peak Output Current (each Channel) - Non Repetitive (t = 100µs) -Repetitive (80% on -20% off; t _{on} = 10ms) -DC Operation	3 2.5 2	A A A
V _{sens}	Sensing Voltage	-1 to 2.3	V
P _{tot}	Total Power Dissipation (T _{case} = 75°C)	25	W
Top	Junction Operating Temperature	-25 to 130	°C
T _{stg} , T _j	Storage and Junction Temperature	-40 to 150	°C



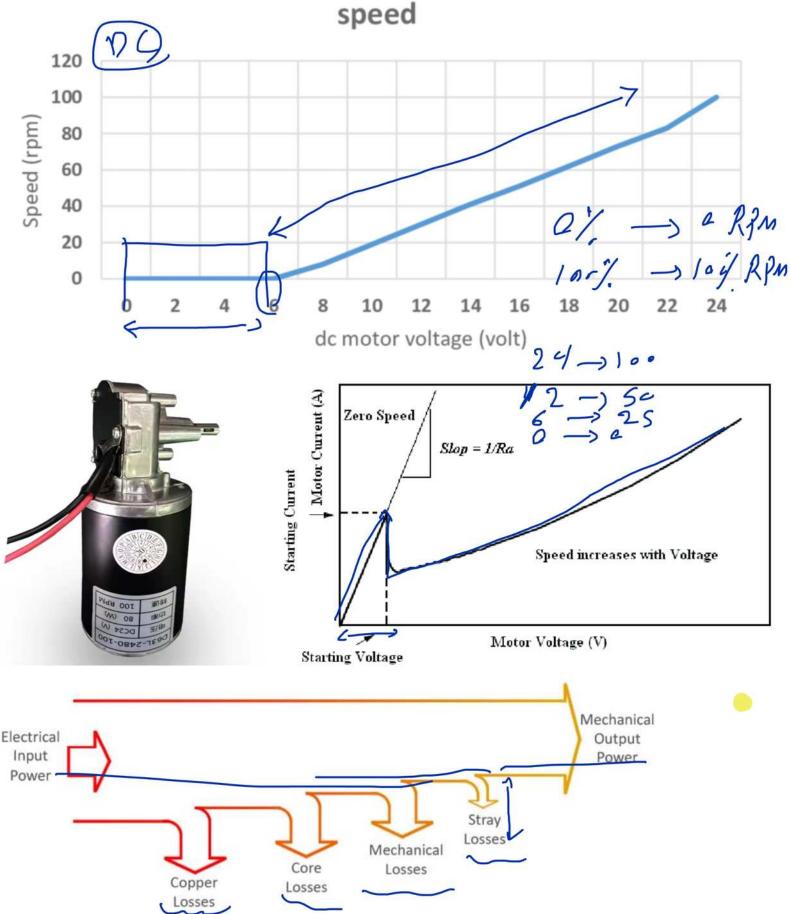
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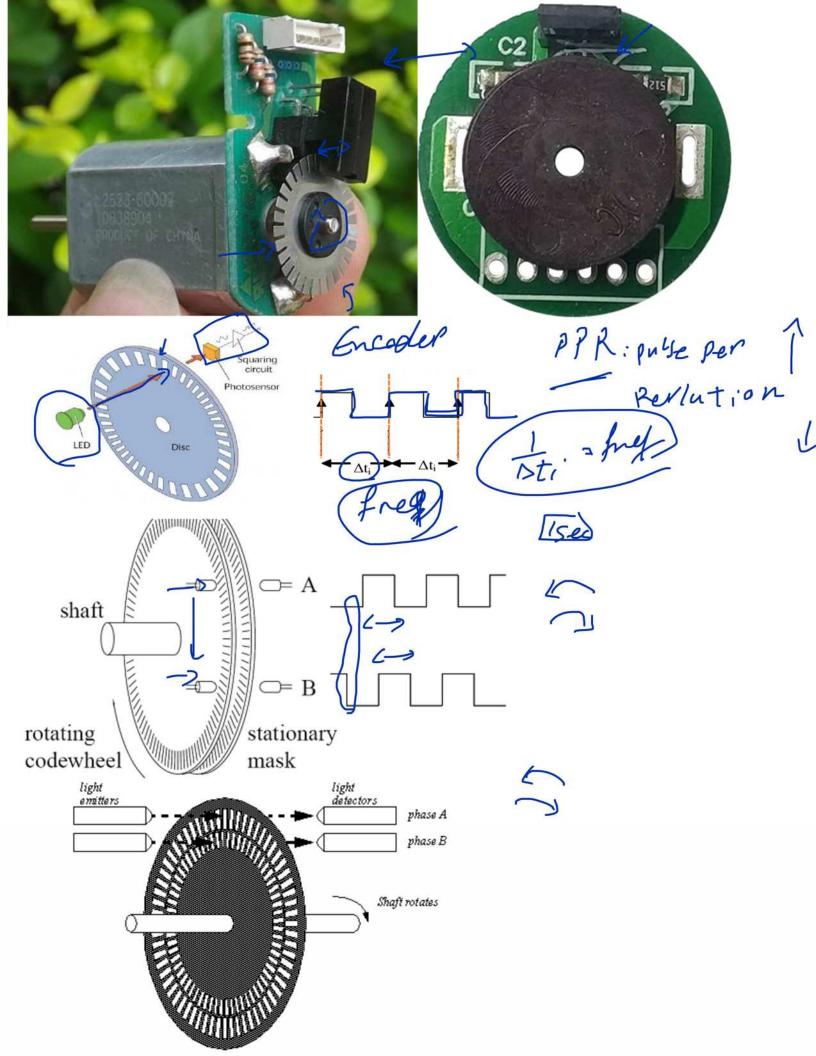


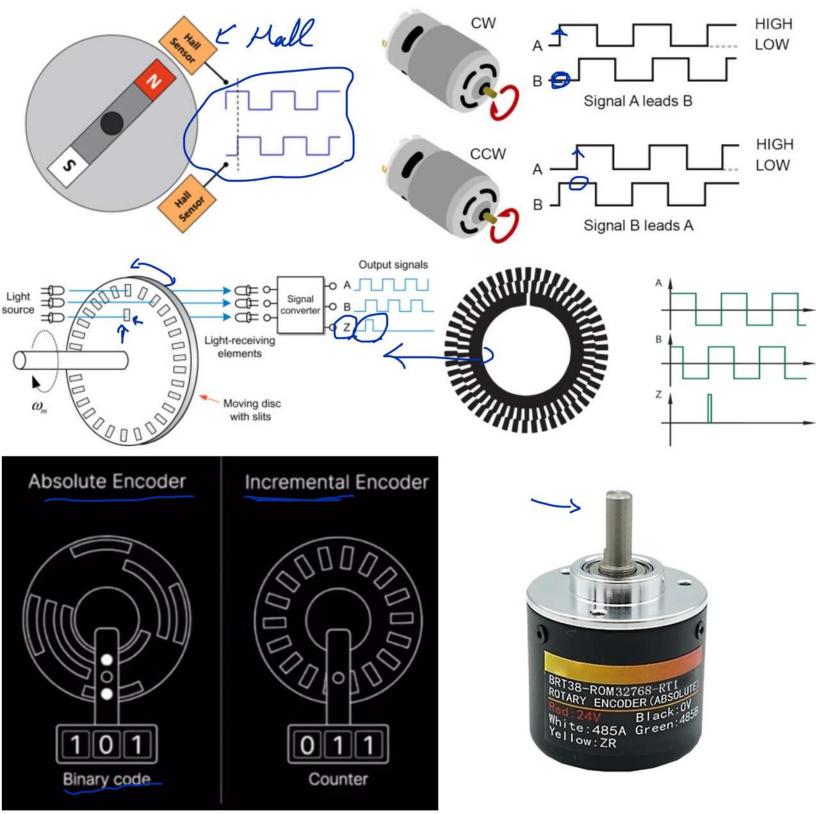
ABSOLUTE MAXIMUM RATINGS

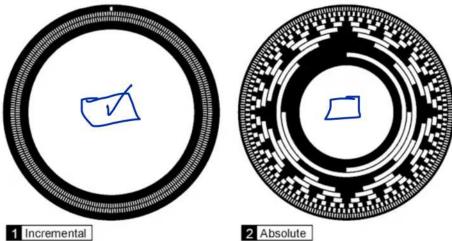
Symbol	Parameter	Value	Unit
Vs	Supply Voltage	36	V
Vss	Logic Supply voltage	36	V
Vi	Input voltage	7	V
Ven	Enable voltage	7	V
Io	Peak output current (100μs non repetitive)	1.2	Α
Ptot	Total power dissipation at T _{ground-pins} = 80°C	5	W
T _{stg} , Tj	Storage and junction temperature	-40 to 150	°C

Graph of DC motor voltage to the motor speed









1 Incremental

