

- Input 2 or Input 4 Pin Low (In2 = 0 or In4 = 0)

Reverse

- EN Pin High (En1 = 1 or En2 = 1)
- Input 1 or Input 3 Pin Low (In1 = 0 or In3=0)
- Input 2 or Input 4 Pin Low (In2 = 1 or In4 = 1)

Code:

```
#include<pic.h>
#define in1 RB0
#define in2 RB1
#define sw RB2
void main()
{
TRISB0=0;
TRISB1=0;
TRISB2=1;
while(1) {
if(sw==1) {
in1=1;
in2=0;
} else {
in1=in2=0;
}
}
}
```

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- The maximum current capacity of L293 is 600mA/channel. So do not use a motor that consumes more than that.
- The supply voltage range of L293 is between 4.5 and 36V DC. So you can use a motor falling in that range.
- Mostly in Robotic application, we will use DC gear Motor. So the same logic is used for that Gear motor also.