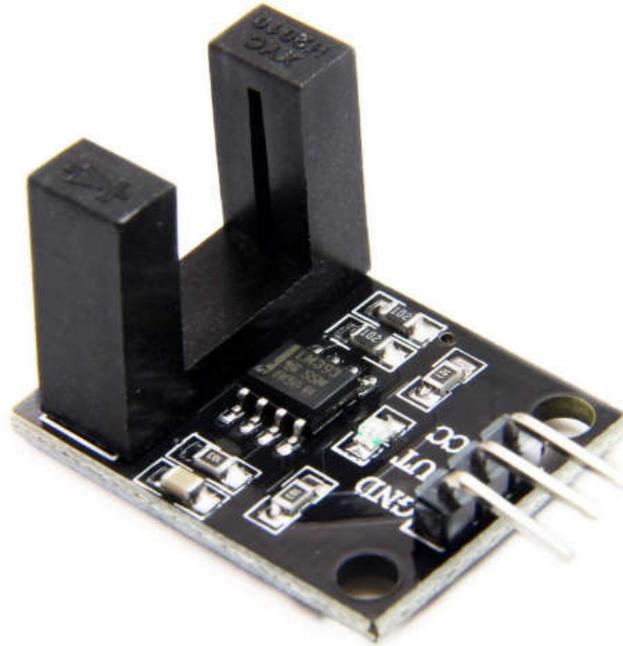


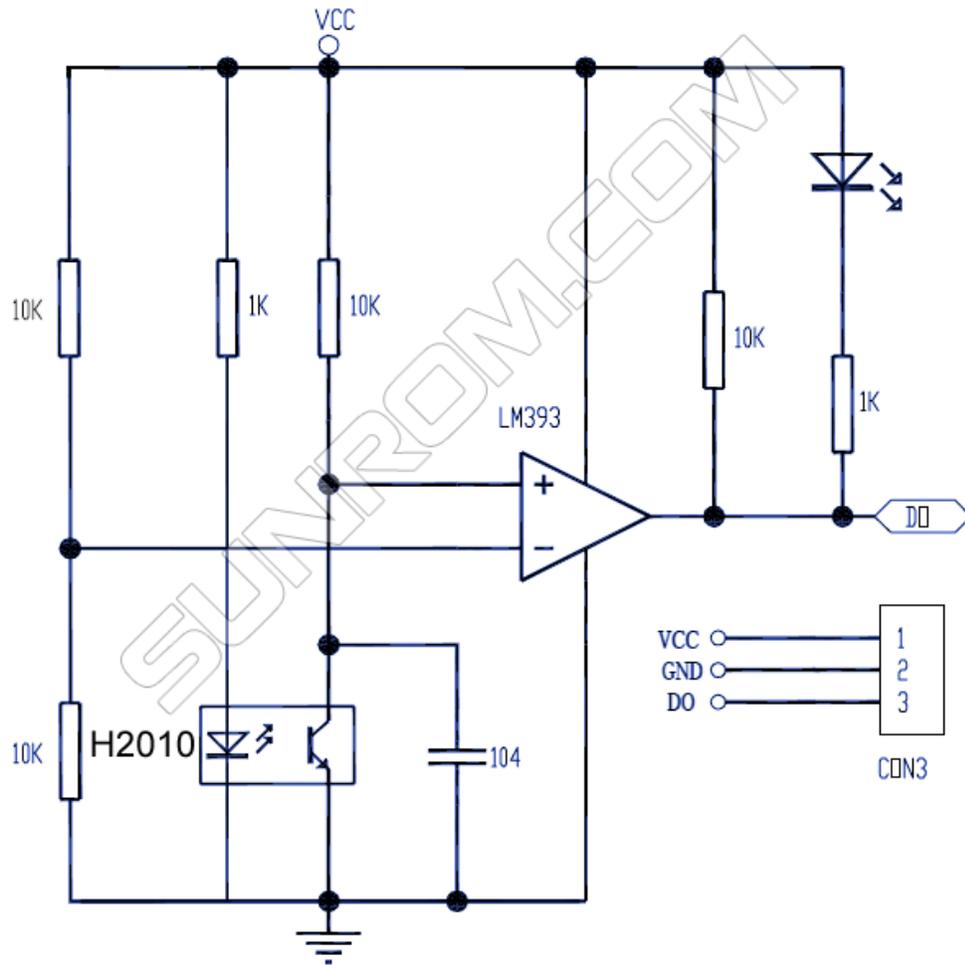
OPTO COUNTER MODULE 10MM



Features

- Operating voltage 3.3V to 5V DC
- Operating current 15mA
- LED indication output can interface directly to microcontroller
- 10mm wide slot with 12mm height detects objects via infrared light between its slot
- Fast output update since its optical
- Output format: Digital switching output (0 and 1)
- LED lights when no object, LED comes off when it detects object.
- PCB Size: 27x20x17mm
- LM393 based processing
- H2010 optical sensor contains IR LED and IR photodetector in single package

Board Schematic



Optical Sensor H2010 Datasheet

V _F	I _F =20mA	-	1.25	1.5	V
I _R	V _R =3V	-	-	10	μA
I _{ceo}	V _{ceo} = 20V	-	-	1	μA
I _C	V _{ce} =5V, I _F =8mA	0.25	-	-	mA
V _{CE}	I _F =8mA, I _c =0.5mA	-	-	0.4	V
T _r	V _{ce} =5V, I _c =20mA	-	10	-	μS
T _f	R _L =1000Ω	-	10	-	μS

H2010 Optical Sensor

