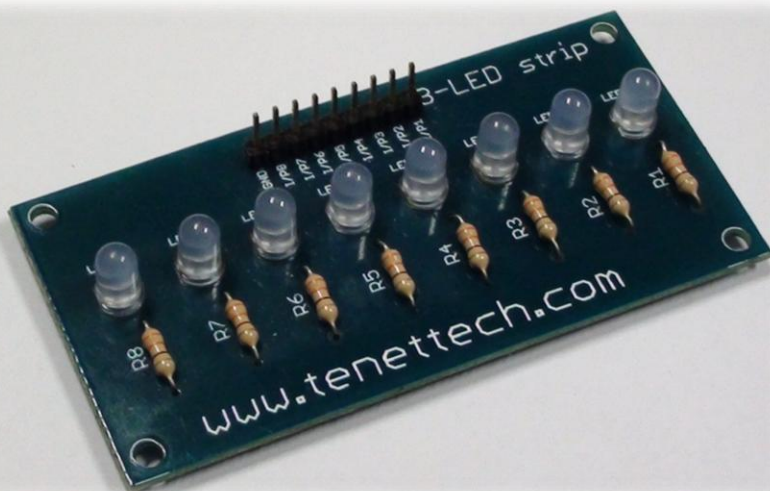


2016



Tenet's 8-LEDs strip breakout



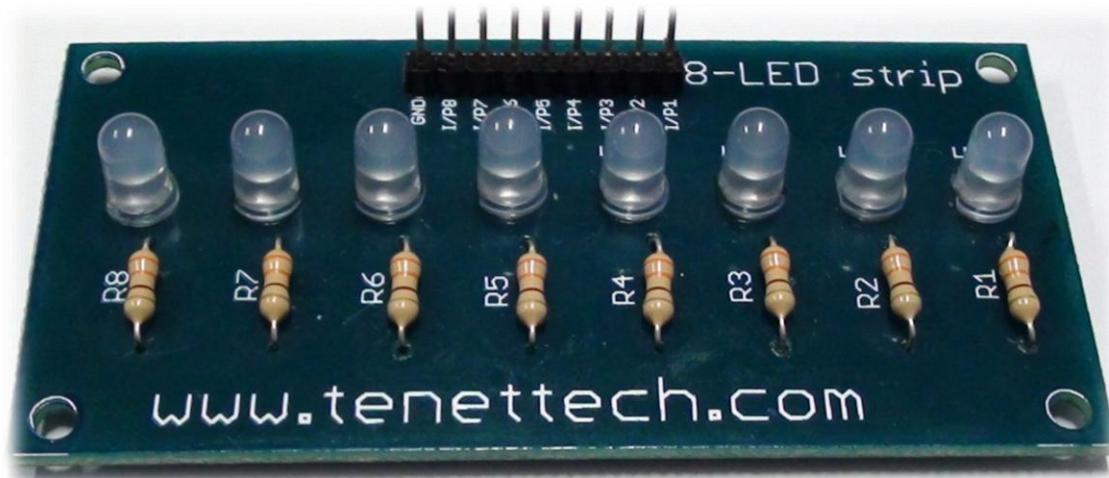
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Introduction

Tenet's 8-LEDs strip breakout is LEDs circuit which can be interfaced with any microcontroller to blink LEDs in series. It is very easy to interface with any microcontrollers and microprocessors. There are 8 input pins and a common GNDpin, input pins are connected to the GPIO pins of microcontroller to either make LED HIGH or LOW by executing code.



Applications

- Outdoor Displays
- Digital logics
- Optical Indicators
- Backlighting
- Power indicators

Specifications

Parameters	Specifications
Continuous Forward Current	30 mA
Peak Forward Current(Duty /10 @ 1KHZ)	100 mA
Reverse Voltage	5 V
Operating Temperature	-40 ~ +85 °C
Storage Temperature	-40 ~ +100 °C

Power Dissipation	100 mW
Zener Reverse Current	100 mA
Electrostatic Discharge	4KV

Electro-Optical Characteristics (Ta=25°C)

Parameters	Symbol	Condition	Min.	Typ.	Max.
Forward Voltage	Vf	If=20mA	3.0 V	-	3.6 V
Zener Reverse Voltage	Vz	Iz=5mA	5.2 V	-	-
Reverse Current	Ir	VR=5V	-	-	50 uA
Luminous Intensity	Iv	IF=20mA	14250 mcd	-	28500 mcd
Viewing Angle	2θ1/2	IF=20mA	-	15 deg	-

