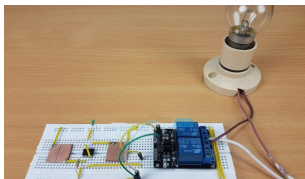
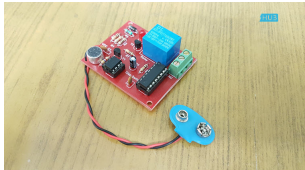


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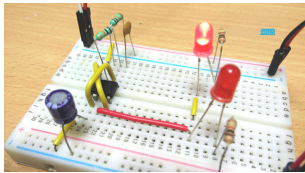
555 timer based projects list



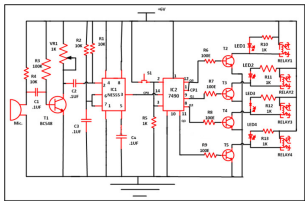
[Touch ON and OFF Switch Circuit](#) The Touch ON and OFF Switch Circuit is built around a 555 timer by making use of the default properties of the Pins of the 555 Timer IC. With the...



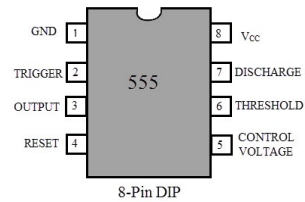
[Clap Switch Circuit for Devices using 555 and 4017](#) The circuit schematic, operation, and applications of the 9-way Clap Switch Circuit have already been discussed. Now we'll look at a circuit called the clap switch circuit for devices. I'll...



[How 555 Timer IC Testing Circuit Works?](#) Outline IntroductionA Brief Note on 555 Timer IC PrincipleSimple 555 Timer IC Testing Circuit DiagramComponents RequiredCircuit DesignHow to Check the 555 Timer IC? Working of 555 Timer IC Tester Circuit Introduction The...



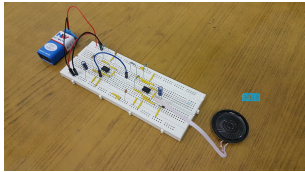
[9 Way Clap Switch Circuit](#) This Clap Switch Circuit helps you to manage your appliances in your home devoid of getting off from your bed. All you need is to just clap or you can...



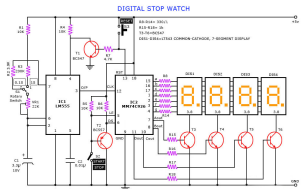
[Understanding 555 Timer](#) The 555 Timer is one of the most well-known and commonly utilised integrated circuits. It's a versatile and exceptionally durable integrated circuit that's employed in a variety of applications, including...



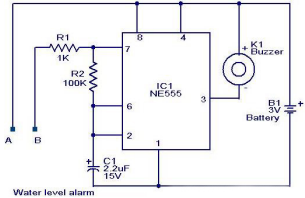
[Toy Organ Circuit using 555 Timer IC](#) Have you ever tried to design a circuit that produces sound? Here is the Toy Organ Circuit u 555 Timer ICcircuit that produces five tones. This is a simple toy...



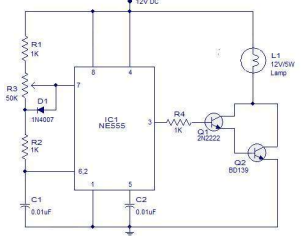
[Police Siren Circuit using NE555 Timer](#) I'll teach you how to make a simple Police Siren Circuit using NE555 Timer IC in this project. I'll also explain how the circuit works and what the project's basic...



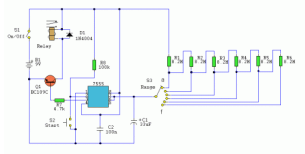
[Digital Stop Watch Circuit](#) Introduction: Because nothing else can replace a stopwatch, So a digital stopwatch is an evergreen project that can be completed at any moment, regardless of how evolved our world's technology...



[Water Level Alarm Circuit Diagram](#) Here's a basic water level alarm circuit diagram that uses a 555 timer to sound an audible alarm when the water level rises to a certain level. The circuit is...

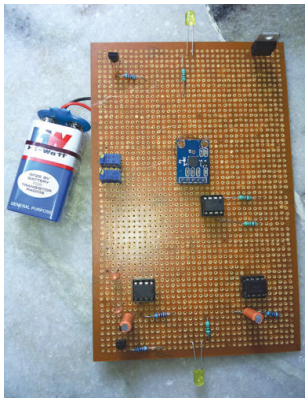


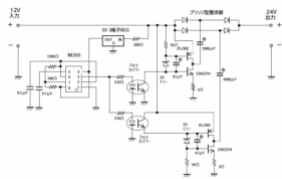
[PWM lamp dimmer using NE555 Schematic Circuit Diagram](#) PWM lamp dimmer A simple and efficient PWM lamp dimmer using timer IC NE555 is discussed in this article. Yesterdays linear regulator based dimmers can only attain maximum efficiency of...



[5 to 30 Minute Timer Schematic Circuit Diagram](#) Description: A switched timer for intervals of 5 to 30 minutes incremented in 5-minute steps. Circuit diagram Notes: Simple to build, simple to make, nothing too complicated here. However you...

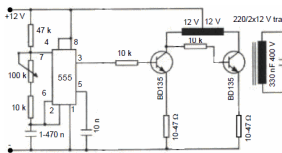
[Automatic Bike Turning Indicator Schematic Circuit Diagram](#) The automatic bike turning signal system based on a microcontroller (MCU) available in the market is expensive and difficult to program. Here is a simple and inexpensive circuit that you...





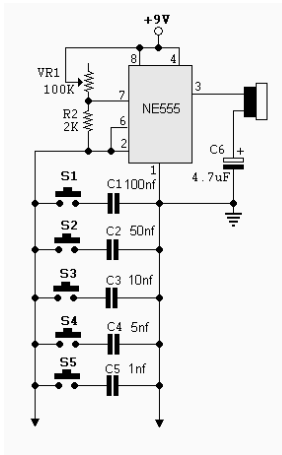
[TRANSFORMERLESS 12V 24V CONVERTER WITH NE555 TIMER INTEGRAL SCHEMATIC CIRCUIT DIAGRAM](#)

An interesting circuit transformer is used to supply 12 volt 24 volt dc dc upgrade without using the core n555 used to supply 2sj302 mosfets with opto-sticks connected to the...



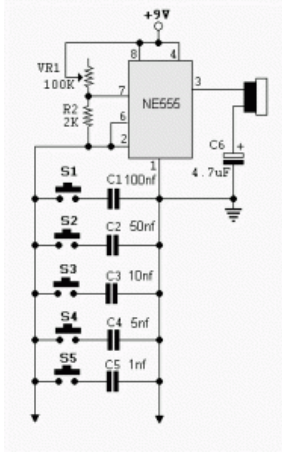
[555 TIMER INTEGRATED LOW POWER DC-AC CONVERTER SCHEMATIC CIRCUIT DIAGRAM](#)

In the DC AC converter circuit, the 555 timer timer integrates a square wave. Continuously transmits and cuts square wave transistors from terminal 3 of terminal 555. The transmission of transistors initiates...



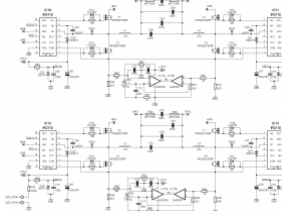
[SIMPLE ELECTRONIC ORGAN CIRCUIT WITH 555 TIMER INTEGRATION SCHEMATIC CIRCUIT DIAGRAM](#)

The circuit is made with the ne555 timer. The tone of the tones determines the capacitors connected to the buttons. The capacitor values are indicated in the diagram but you can...



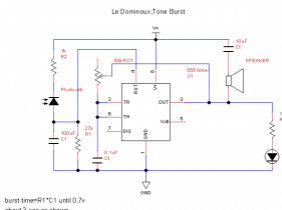
[SIMPLE ELECTRONIC CIRCUIT SCHEMATIC CIRCUIT DIAGRAM](#)

The circuit generates sound in different tones when the buttons connected between pins 2 and 1 made with the ne555 timer are pressed. The capacitors connected to the tonal buttons of...



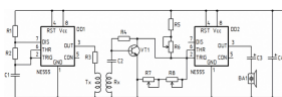
[2X400W CLASS D AMPLIFIER DEVICE IR2110 SCHEMATIC CIRCUIT DIAGRAM](#)

The function of the PWM modulator For clarity of explanation of the function of the entire PWM modulator it is advisable to split it into a few blocks away. The first and...



[DOMINO EFFECT WITH 555 INTEGRATION SCHEMATIC CIRCUIT DIAGRAM](#)

There are so many projects with the 555 integration that some of the circuits are strange. "Dominoux" is an interesting electronic circuit built with a 555 timer integration, triggered by a...



[SIMPLE PRECISION METAL DETECTOR SCHEMATIC CIRCUIT DIAGRAM](#)

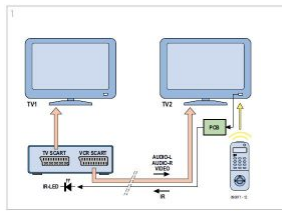
Although the metal detector circuit with the 555 timer integration is simple, it works very well. According to many metal detector circuits, the electronic component is not used, but the coil part of the...



[PORTABLE BATTERY PUNCTURE CIRCUIT \(WITHOUT TRANSFORMER\) SCHEMATIC CIRCUITDIAGRAM](#)

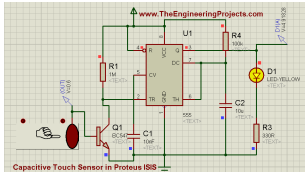
Compared to the " Simple Electronic Battery Punctuation Circuit " projects that have been shared before, battery puncturing circuitry does not have at least a transformer winding function. When triggered by the switch, the NE555 timer is used....

[Two TV Sets on a Single Receiver Schematic Circuit Diagram](#) With the advent of digital television, it's often necessary to use a separate receiver. If you have several television sets in your house, you have to buy a digital receiver...

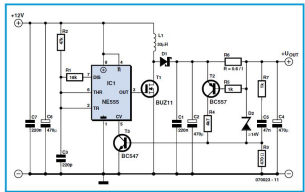


[Lighting Governor Schematic Circuit Diagram](#)

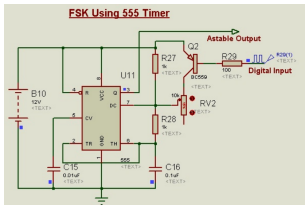
This circuit is very handy as a timer circuit for a lamp, for lighting a staircase, for example, but can also be used as indicator for the front doorbell. A...



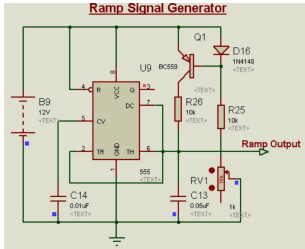
[How to use Capacitive Touch Sensor in Proteus Schematic Circuit Diagram](#) Hello friends, I hope you all are fine and enjoying. Today i am going to share my new project’s tutorial which is How to use Capacitive Touch Sensor in Proteus...



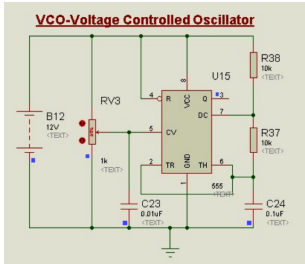
[Switch-Mode 555 Supply Schematic Circuit Diagram](#) This switch-mode power supply is built around a 555 timer IC. It provides a maximum output voltage of 40 V with a 12-V input voltage. The voltage can easily be...



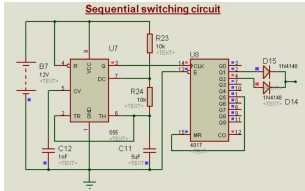
[Schematic Circuit Diagram FSK Using 555-Timer proteus simulation](#) FSK Using 555-Timer The astable multivibrator with selective frequency input gives FSK Frequency Shift Keying. We may manually change the frequency through a potentiometer, but if it has to be...



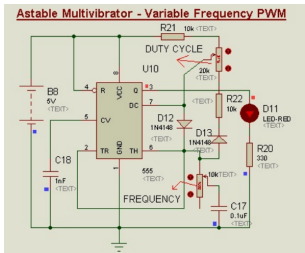
[Schematic Circuit Diagram Linear Ramp Signal Generator Using 555-Timer proteus simulation](#) Ramp Signal Generator Using 555-Timer The astable multivibrator with discharge terminal connected to the threshold terminal offers the least resistance during discharge period of the capacitor. This gives a sharp...



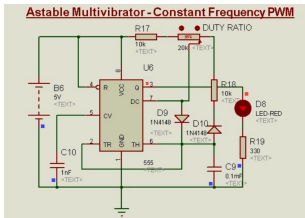
[Schematic Circuit Diagram Voltage Controlled Oscillator \(VCO\) proteus simulation](#) VCO Using 555-Timer The Control Voltage terminal of the IC is internally preset at 2/3 Vcc. When the timer is operating in astable mode, if this voltage is altered externally...



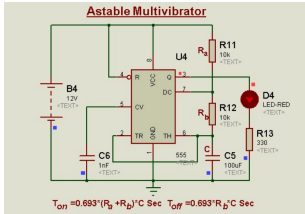
[Schematic Circuit Diagram Sequential Switching Circuit Using 555-Timer proteus simulation](#) The astable multivibrator can be used as a clock pulse generator for digital ICs like counters. CD 4017 is a decade counter, so ten events can be run in sequence...



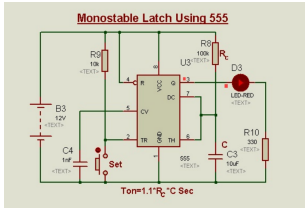
[Schematic Circuit Diagram Variable frequency PWM Using 555-Timer proteus simulation](#) By including a variable resistor in series with the capacitor in the above circuit, frequency can be varied along with the duty ratio. As this resistor is involved in both...



[Schematic Circuit Diagram Constant frequency PWM Using 555-Timer proteus simulation](#) Constant frequency PWM Using 555-Timer With the basic astable circuit, the duty ratio cannot be controlled without affecting the frequency. Using the above circuit, it is possible to maintain a...

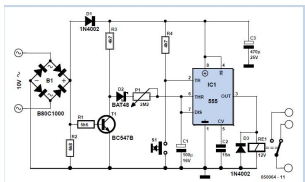
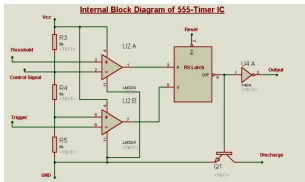


[Schematic Circuit Diagram Astable Multivibrator using 555-Timer proteus simulation](#) The monostable circuit is modified to re-trigger itself by connecting trigger terminal and threshold terminal. As in the monostable circuit, the output is set during the charging period of a...

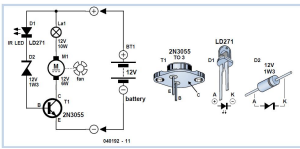


[Schematic Circuit Diagram Monostable Latch using 555-Timer proteus simulation](#) Mono-stable Latch using 555 Using the charging and discharging phases of RC-Circuit as a continuous voltage signal, timing circuits can be designed. When the voltage at trigger input falls from...

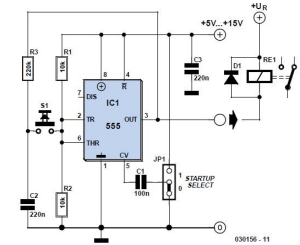
[Schematic Circuit Diagram of Internal block diagram of 555-Timer IC proteus simulation](#) 555-Timer is one of the most popular and mostly used ICs. It best suits for timing/timekeeping related circuits. It consists of two operational amplifiers operated in an open loop or...



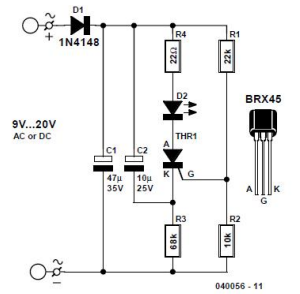
[Extended Timer Range for the 555 Schematic Circuit Diagram](#) Anyone who has designed circuits using the 555 timer cl some time have wished that it could be programmed for longer timing periods. Timing periods greater than a...



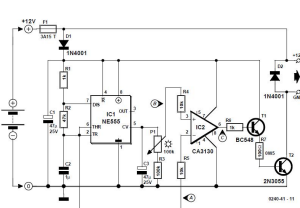
[Garage Timer Schematic Circuit Diagram](#) The circuit described here is a testament to the ingenuity of two young designers from a specialist technical secondary school. The ‘garage timer’ began as a school electronics project and...



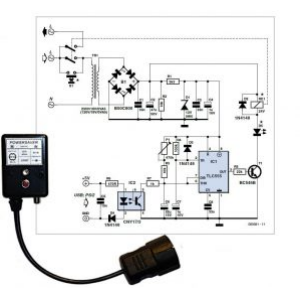
[On/Off Button Schematic Circuit Diagram](#) It features at least once in every Small Circuits collection: the 555 timer. In this simple circuit we give the chip a little more attention than usual (refer to ‘The...



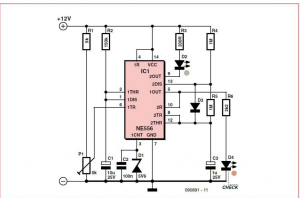
[Unusual LED Blinker Schematic Circuit Diagram](#) This LED blinker manages with only a few components and is dimensioned to operate from an ac supply in the range of 4–16 V (6–24 V dc). As its current...



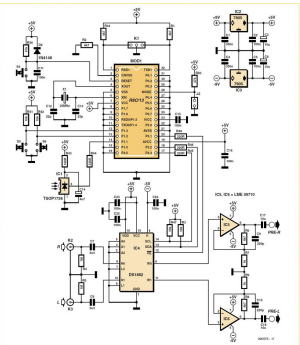
[Direct Current Dimmer Schematic Circuit Diagram](#) This energy saving, a 12-V controller is nearly universally applicable. In addition to controlling battery powered lighting in a car, boat or caravan it is also quite able to control...



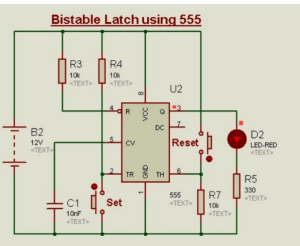
[PC Power Saver Schematic Circuit Diagram](#) This circuit is designed to help minimise the quiescent power consumption of PCs and notebooks, using just our old friend the 555 timer and a relay as the main components....



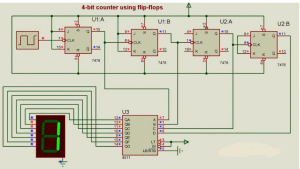
[Voltage Monitor Schematic Circuit Diagram](#) This voltage monitor circuit is based on an Elektor design with a 555 timer IC in the book 302 Circuits, which uses two LEDs (red and green) to indicate whether the...



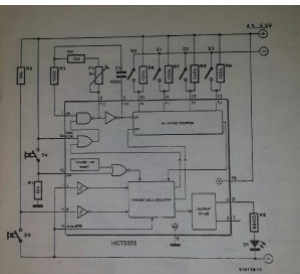
[Remote-controlled Preamp with Digital Pot Schematic Circuit Diagram](#) This circuit is a simple but high-quality preamplifier using a DS1882 digital potentiometer, a device specially designed for audio applications. The potentiometer is controlled over an I2C interface by an R8C/13...



[Schematic Circuit Diagram 555-Timer as a Bistable Latch proteus simulation](#) The RS Latch in the 555 Timer can be used with the Reset and Trigger inputs. The output is set or reset with the momentary inputs applied at these inputs....



[4-bit counter using flip-flops Schematic Circuit Diagram](#) Schematic Diagram: Here we are going to make a flip-flop based 4 bit counter. ie it counts 0000-1111 in a binary system. The clock of the first flip-flop is either...



[Digital 555](#) There is a digital version of the 200 well-known Type 555 timer IC: the HCT5555. The traditional 555 can astable or monostable, within, be used a the timing determined by...

[Simple DC to DC converter using 555 IC Timer](#) To keep the DC to DC converter simple, it contains no preset controls, which means that the level of the output voltage is dependent to some degree on the load....