EE356 – ELECTRONIC PRODUCT DESIGN AND MANUFACTURE

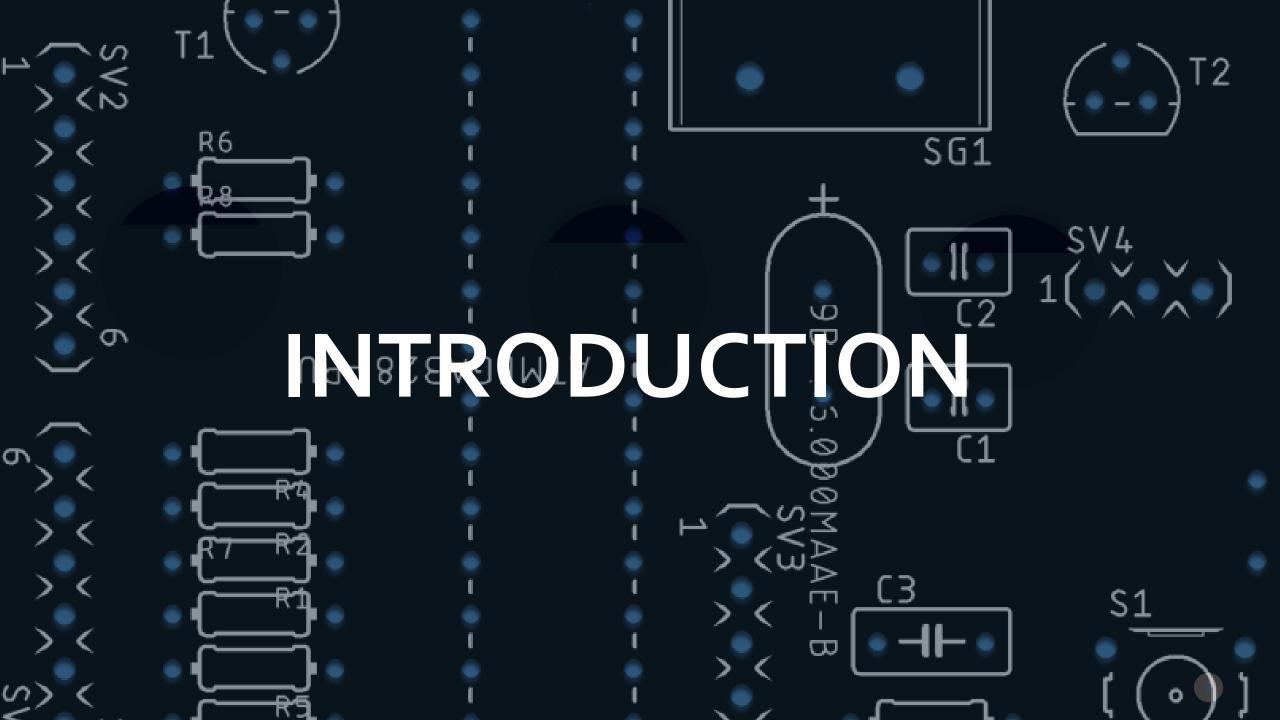
E/17/043 – CHULAWANSA S.M.D.S.

E/17/183 - LAKSHAN G.A.D.

E/17/235 - PARANAWITHANA N.N..K.

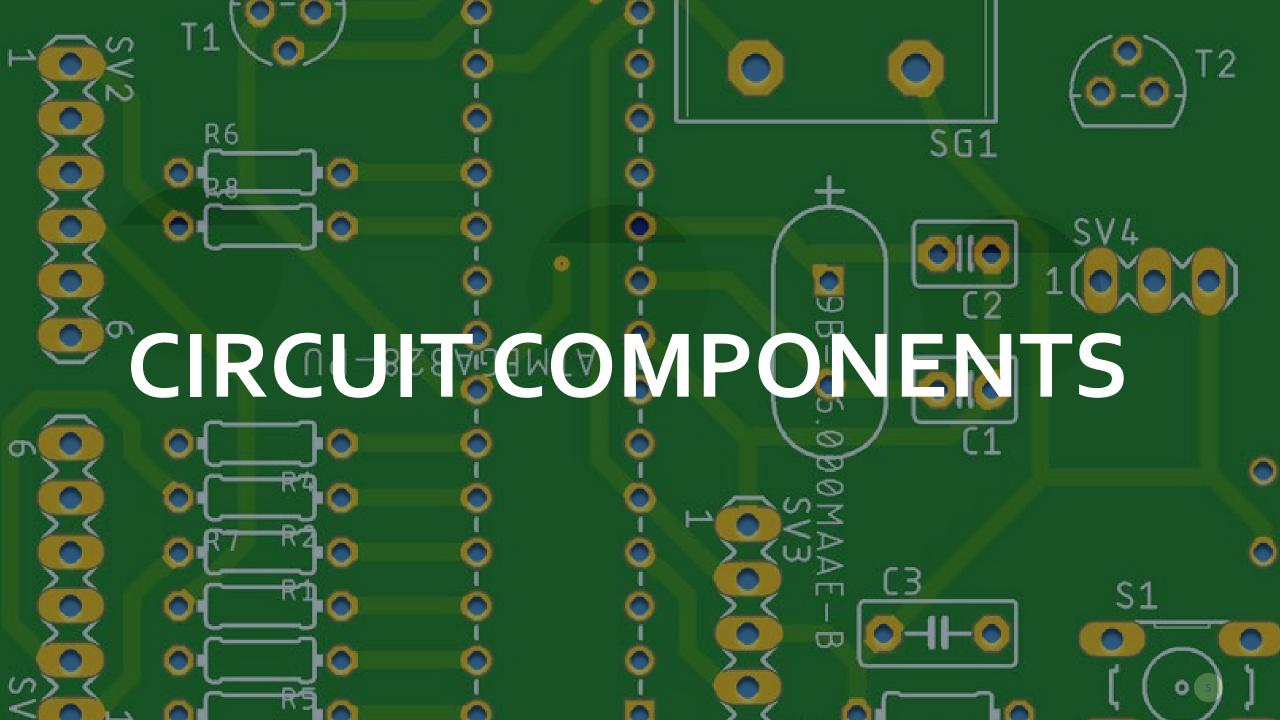


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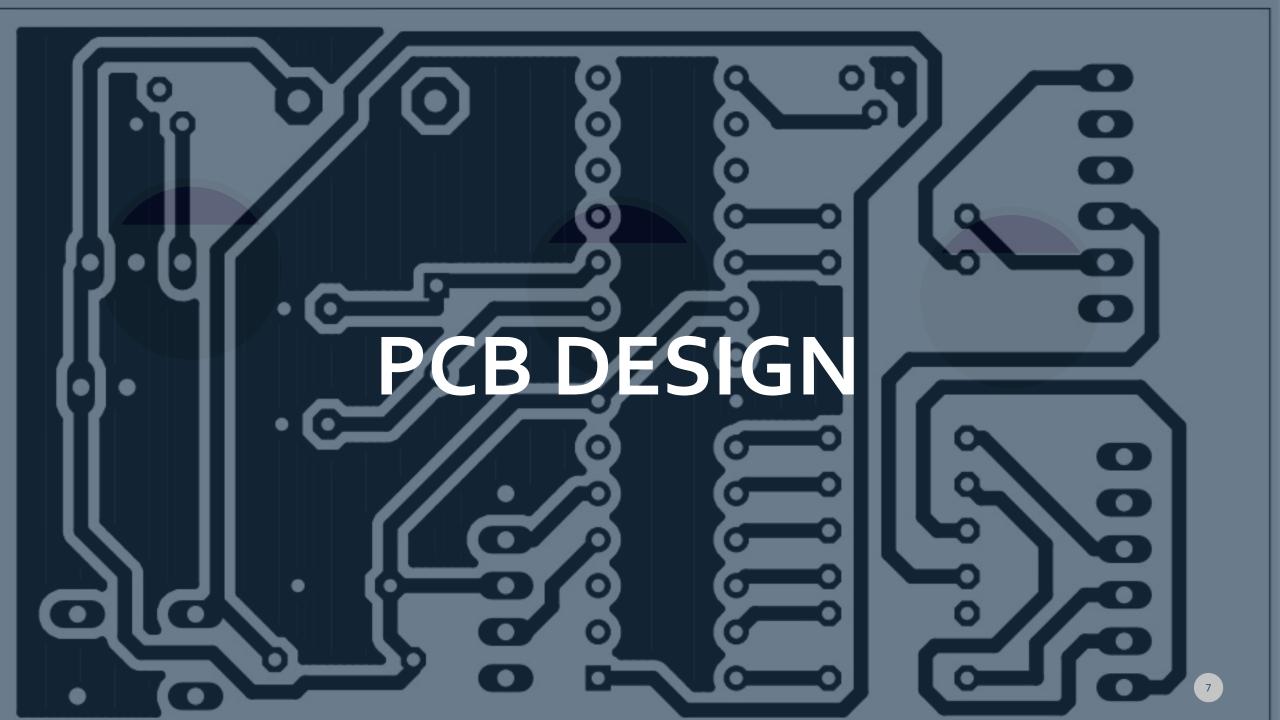


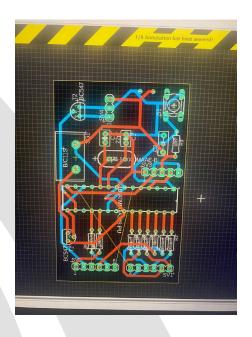
INTRODUCTION

- Electrical timer plug socket is simply a timer that operates an electrical plug socket controlled by the timing mechanism.
- Electrical timer plug socket can be used for any device that is connected to an electrical outlet or plug socket; consisting of lights, televisions, pumps, air conditioners.



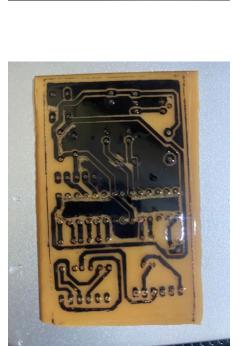
- ATMEGA328PU IC
- 4 Digits 7 Segment LED Display
- Rotary Encoder
- 5V Relay
- Two Way Switch
- AC-DC Converter (230V-5V)
- Buck Converter (5V-3.3V)





economic continues











THE PRODUCT





Timer Display Timer Controller **Switch Rotary Encoder**



FUNCTIONS

- 4 digits 7 segments LED Display
- Rotary encoder allows setting the required timer value.
- . Timer can be set up to 100 minutes
- Rotary encoder switch used to start the timer.
- Timer can be paused with a press of switch.
- Second press resumes.
- Double Press at pause state ends the timer.
- Can be used as a normal plug socket by switch off the timer using the two sided switch.



THANKYOU!