

SUSTAINABLE ICS

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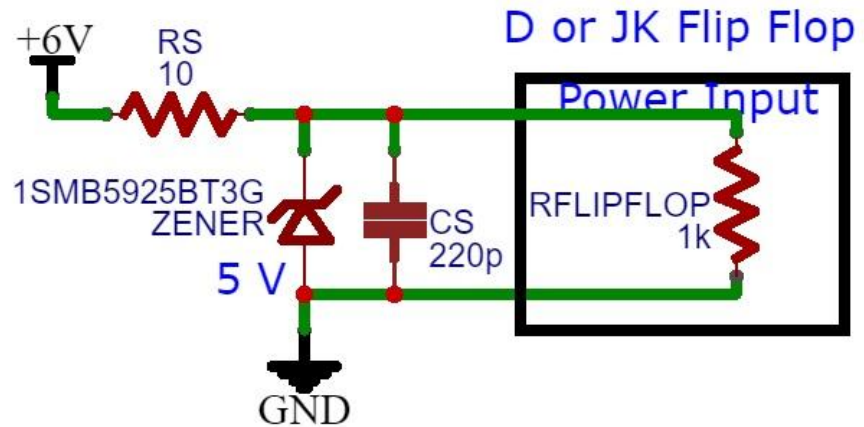
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TTL IC Power Supply

- Transistor Transistor Logic power supply:

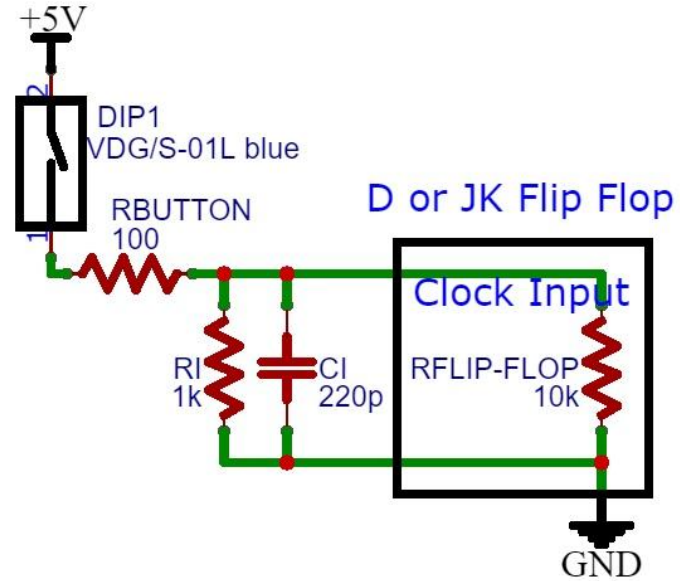
Simple TTL Power Supply





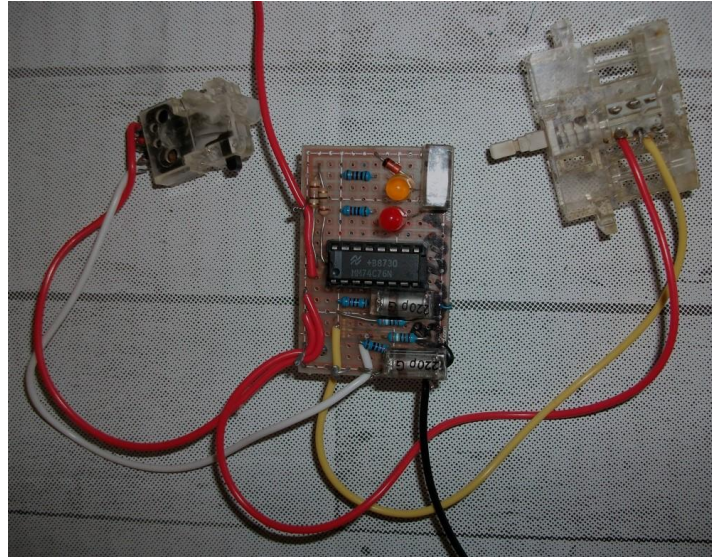
TTL IC Connecting Input

- Transistor Transistor
Logic input:



Button ON/OFF Switch Photo

- You can use D Flip-Flop and JK Flip-Flop:





Button ON/OFF Switch Video

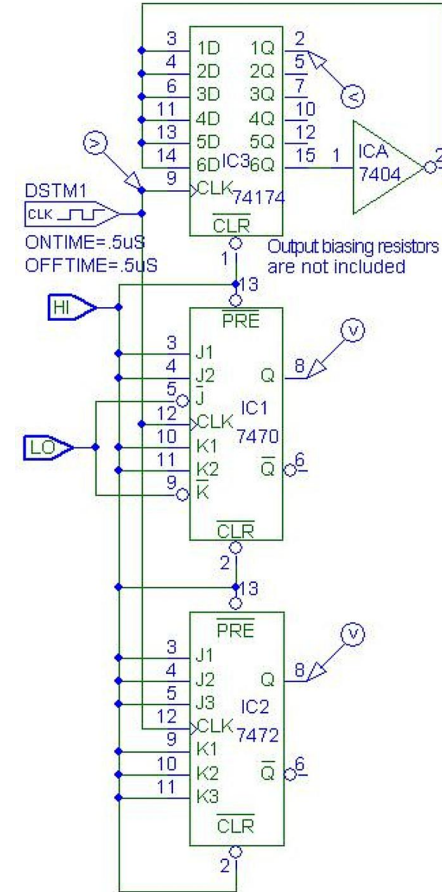
- Please watch this video:

<https://www.youtube.com/shorts/jR7SX5bWVBk>



Button ON-OFF Switch

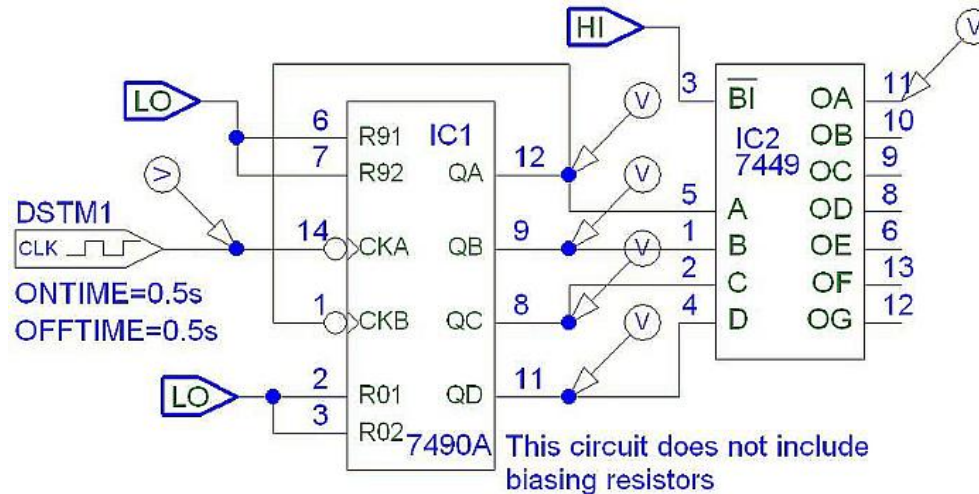
- You can connect used TTL Flip-Flop ICs with wire wrap:





TTL Counters

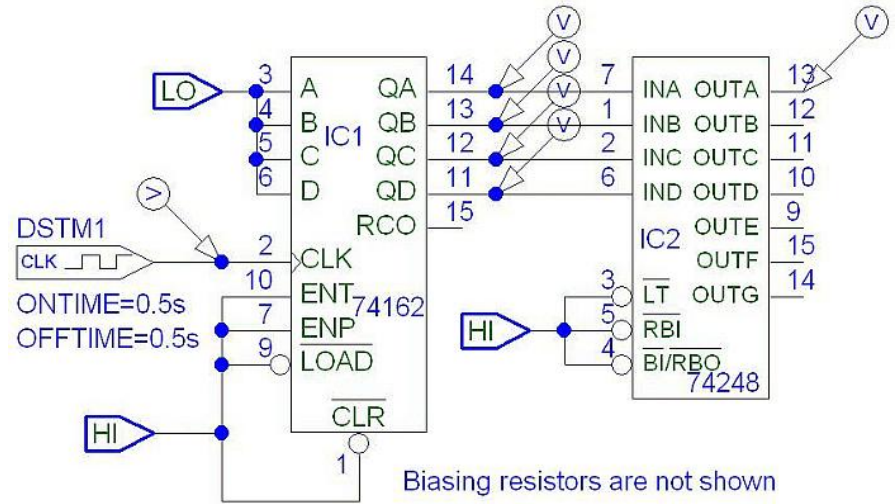
- TTL 7490A Decade Counter:





TTL Counters

- TTL 74162 Decade Counter:

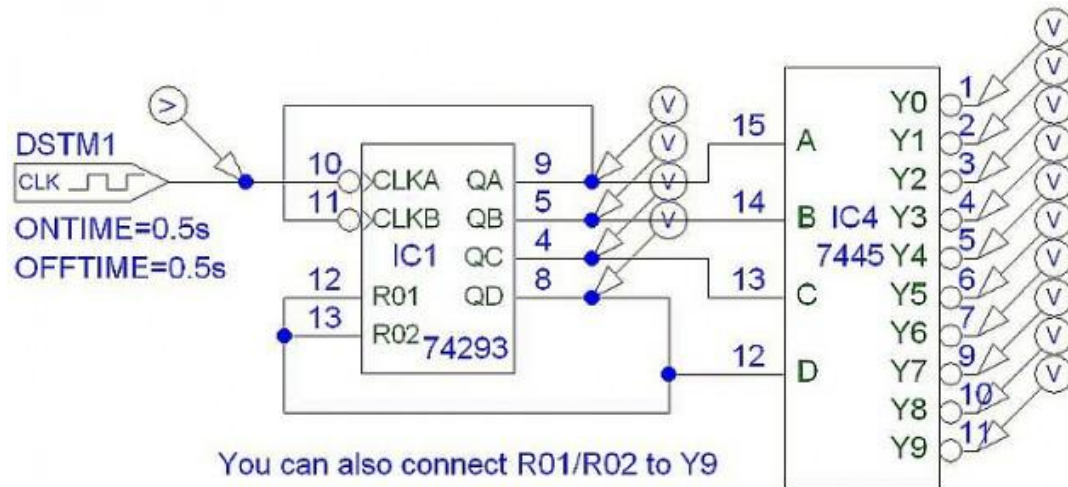


This counter resets to 0000 after exceeding 1001



TTL Counters

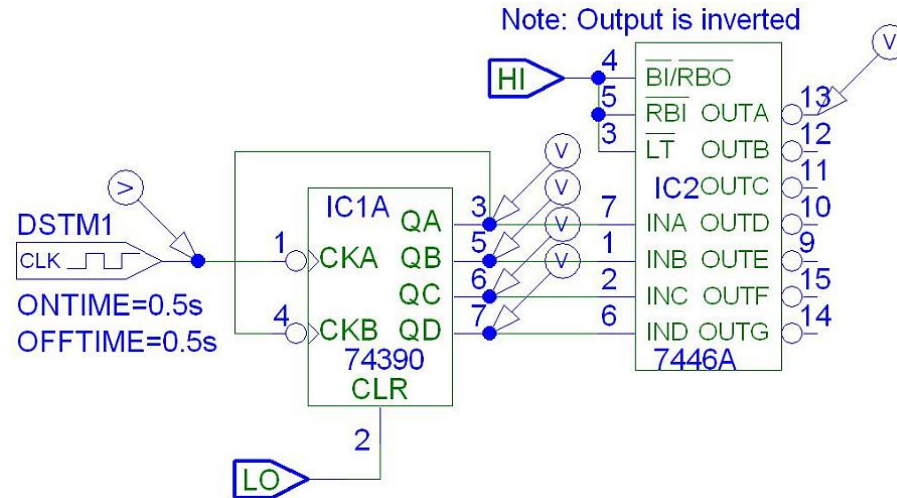
- TTL 74293 Decade Counter:





TTL Counters

- TTL 74390 Decade Counter:





References

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2. <https://hackaday.io/recycledcircuits>
3. <https://instructables.com/member/recycledcomponents>
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5. <https://instructables.com/member/usedcomponents>
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