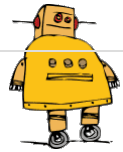


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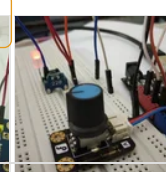
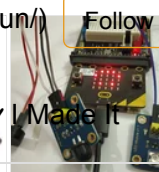


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Interfacing a 2.8 inch SPI TFT that has a ILI9341 chip to an Arduino Uno.



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Step 1: Things Used in This Project.

1. Arduino Uno (https://www.amazon.com/HiLetgo-ATmega328P-Development-Compatible-Microcontroller/dp/B01AR7YJ3O/ref=mp_s_a_1_3?ie=UTF8&qid=1528312516&sr=1-3&m=A30QSGOJR8LMXA&pi=AC_SX236_SY340_FMwebp_QL65&dpPl=1&dpID=51g5b2MOosL&ref=plSrch)
2. 240*320 2.8" SPI TFT LCD Display Touch Panel (https://www.amazon.com/HiLetgo-240X320-Resolution-Display-ILI9341/dp/B073R7BH1B/ref=mp_s_a_1_38?ie=UTF8&qid=1528312566&sr=1-38&m=A30QSGOJR8LMXA&pi=AC_SX236_SY340_QL65)
3. Jumper Wires (<https://amzn.to/2HE3RfR>)
4. Breadboard
5. Resistors 1K Ohm



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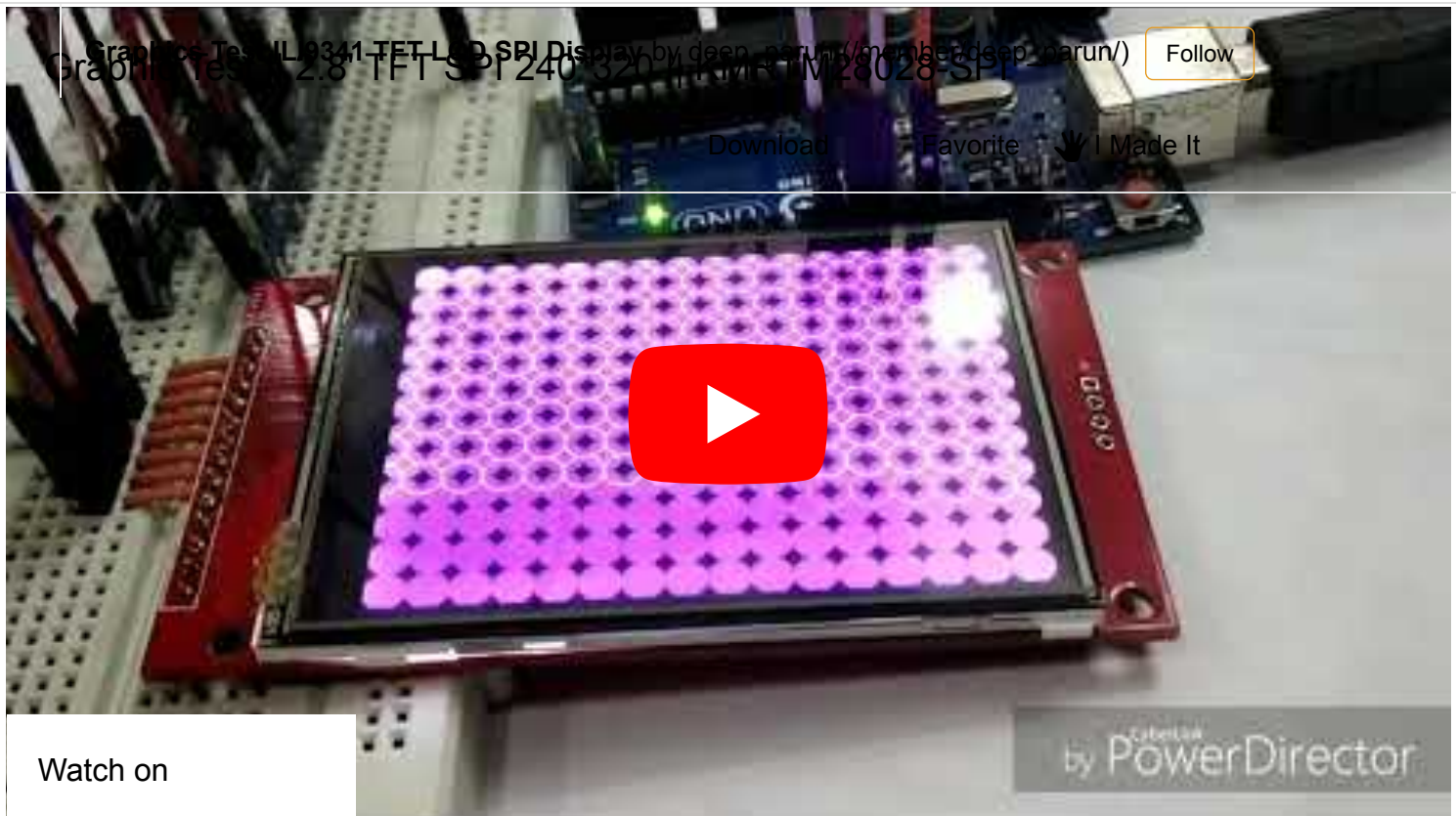
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Step 2: Graphic Test || 2.8' TFT SPI 240*320 || KMRTM28028 :

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Step 3: Interfacing a 2.8 Inch SPI TFT That Has a ILI9341 Chip to an Arduino Uno.

// All you need is eight 1K resistors. Most people use a 4050 IC. //

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Step 4: Images of 2.8' TFT SPI 240*320:

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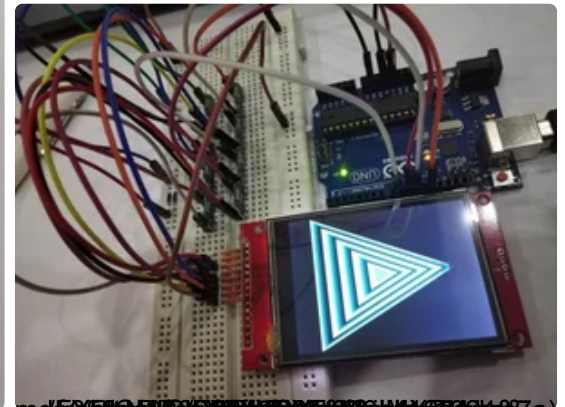
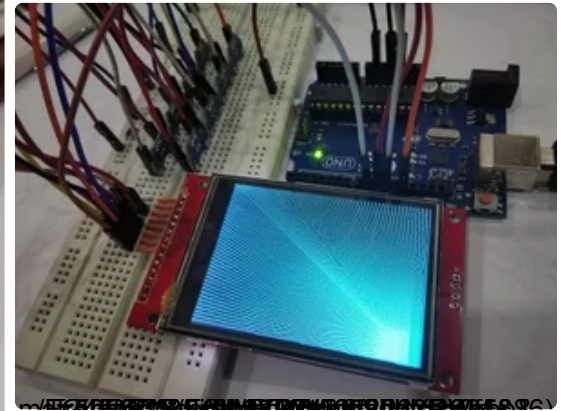
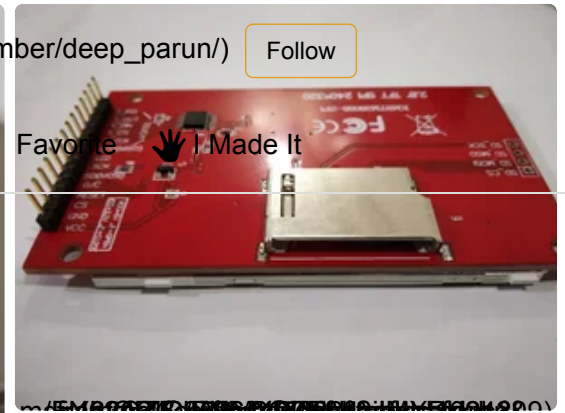
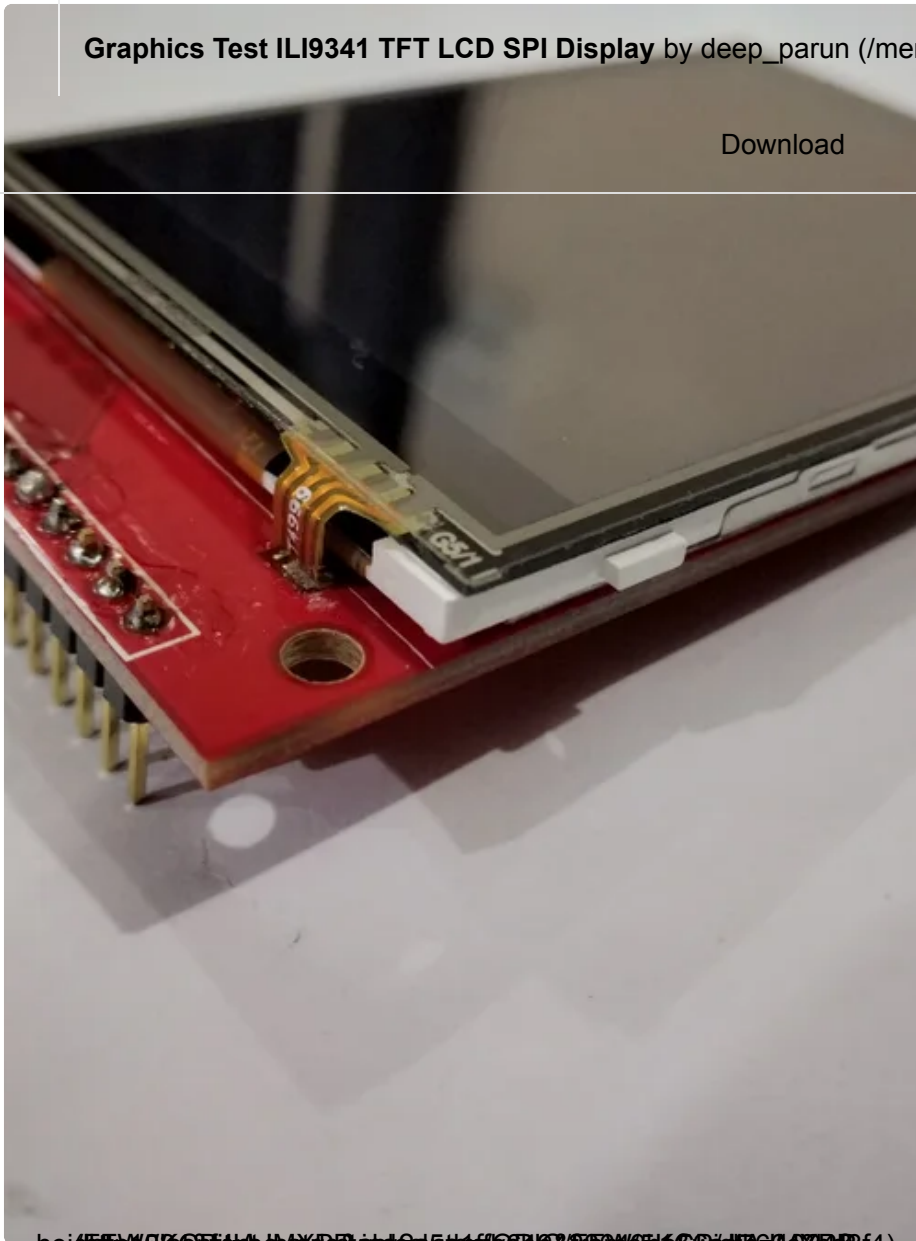
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Step 5: Sketch:



- ```
//Note that the Adafruit LCD has level shifters for 5 volts built into it.//
```



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(/Arduino-Robotic-Arm-Controlled-by-Touch-Interface/)

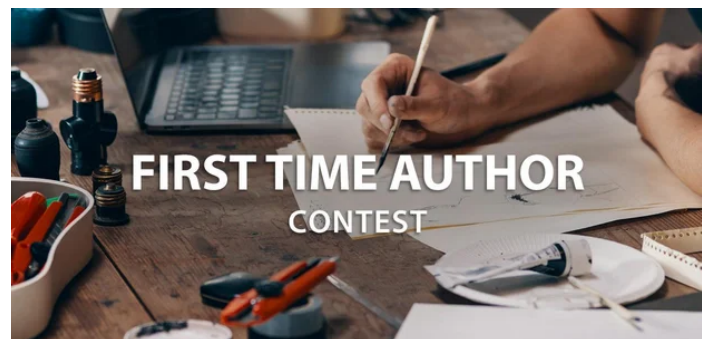
**Arduino Robotic Arm Controlled by  
Touch Interface (/Arduino-Robotic-Arm-  
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(/member/Carlosd132/) Carlosd132 (/member/Carlosd132/) 2 years ago

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i think that the resistors can be avoided if you dont solder the jumper J1 in the back of the screen



(/member/PerchE/) PerchE (/member/PerchE/) 3 years ago

Reply

 Upvote

I don't know, it's not working, only white screen and black flickering.



(/member/tgirard/) tgirard (/member/tgirard/) 4 years ago

Reply

 Upvote

Could you explain why the resisters are needed? Also, How would you use the 4050 IC rather than the resisters. I just purchased two of these LCDs from Amazon and was going to return them because I didn't think they worked. I have the resisters at home and will try the them first. It would be great to see the same schematic picture with the 4050 as well. Most importantly though is the why. I really want to understand why it's all needed and why I'm not seeing anything wired up without the resisters. Thanks !!!!

1 reply 



(/member/paulm171/) paulm171 (/member/paulm171/) 4 years ago

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The breadboard friendly resistors are really cool, are they from the Pi hut?

2 replies ▾

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