

Texas Instruments Electronics Online Challenge

Submitted By: Piper Howard

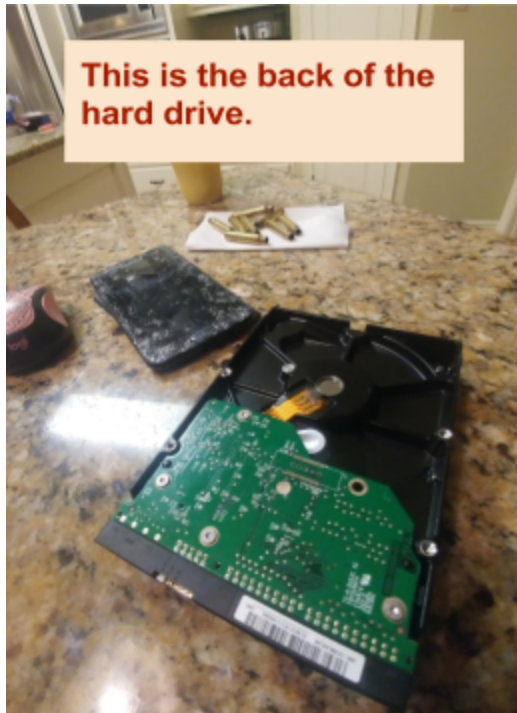
INTRODUCTION

We used a computer hard drive because my daddy said that it was bad. A Western Digital, 320GB, model number WD3200AAJB.



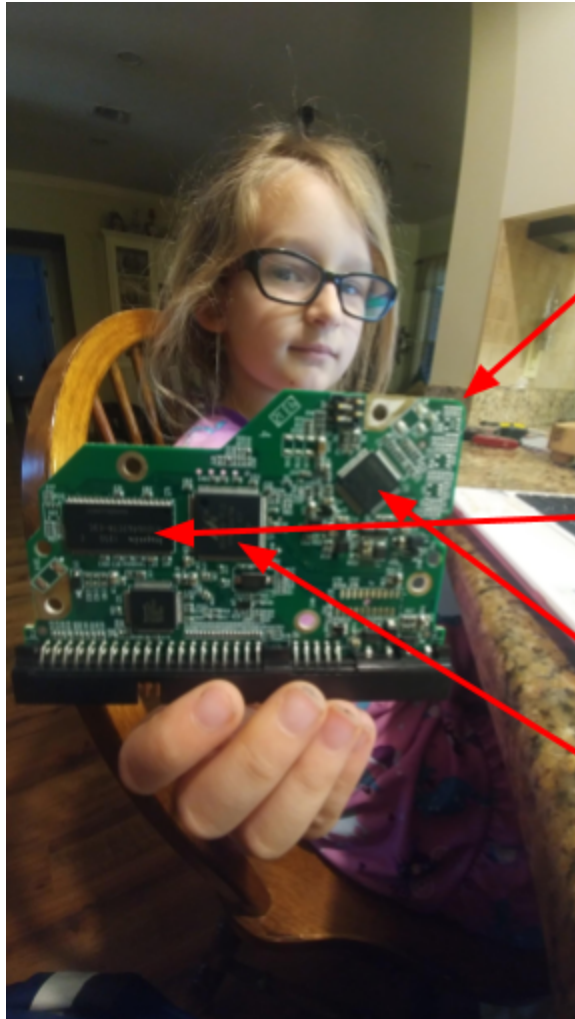
SUMMARY

We took the hard drive apart and located the PCB, or printed circuit board. We did not see any TI components.



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This is the PCB, model #
2060-701596-001, REV A

SK Hynix chip.

Smooth motor
controller chip.

Main IC

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RESEARCH

STMicroelectronics L7251

This circuit controls the disk. The circuit tells the disk motor when to stop, go, how fast, and how slow.

SK Hynix

It is a South Korean memory chip. Hynix is the second largest memory chip maker in the world.

Main IC

It is basically the brain. It tells all the other pieces what to do.

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CONCLUSION

None of these components were made by Texas Instruments. I did find these brands:

1. Marvel
2. SK Hynix
3. STMicroelectronics

I did learn how to take apart a computer hard drive, and how to use my chromebook that I got for Christmas. I also learned how to use Google Docs to create this report!