

Ola 5203T

Texas Instruments Electronics Online Challenge

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Motorola Nextel i880



The electronic device we selected to use was the Motorola Nextel i880. We chose the Motorola Nextel i880 because its key features that made it popular. Those key features include the push-to-talk (PTT) button, front-facing LED screen, and a two mega-pixel camera.

The Motorola Nextel i880 Disassembled



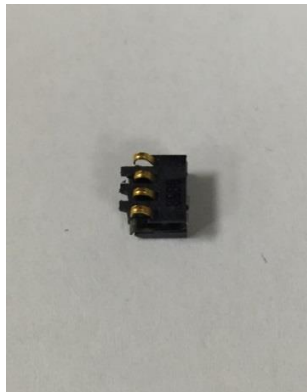
Picture	Description
	<p><u>The Motherboard</u> functions as one of the most essential part of the cell phone. It sends signals to other components to make the phone operate.</p>
	<p><u>The Antenna</u> functions as the part which connects the cell phone to the owner's cell service provider.</p>
	<p><u>The Battery's</u> purpose is to provide power to the cell phone.</p>



The SIM card's purpose is to identify the cell phone to the owner's service provider.



The LED screen's purpose is giving the user an interface so the user can view what options there are to do on the cellphone.



The Battery PIN Connector's purpose is to connect the external battery to the cellphone so that the cellphone can operate. The battery and connector have positive and negative pins to transfer electrical power to the cell phone.



The Headphone Jack's purpose is to allow the user to plug in either earphones, headphones, or headsets.



The Speaker's purpose is to be the default audio output for the cellphone.

Conclusion

In conclusion to writing this report, we learned that the parts that are included in this cellphone is mediocre to the current generation of cellphones. While evaluating the parts of the cellphone, we discovered no known TI components.

	Weight	Display	Camera	Storage	Talk-Time	Standby-Time
iPhone 6	4.55 oz.	4.7 in.	8 mega-pixels	16GB or 64GB	14 hrs.	10 days
Motorola i880	4.33 oz.	2.2 in.	2 mega-pixels	0.02GB or expand w/ SD card	2.8 hrs.	5.4 days

Works Cited

"iPhone 6 - Technical Specifications - Apple." *Apple*. N.p., n.d. Web. 15 Dec. 2015.

<<http://www.apple.com/iphone-6/specs/>>.

"Motorola I880 Specs." *Phone Arena*. N.p., n.d. Web. 15 Dec. 2015.

<http://www.phonearena.com/phones/Motorola-i880_id1772>.