

Electronics Online Challenge

9623Z (Zulu)

By Nigel Grant

For this challenge, I chose A BlackBerry Storm 2 that was no longer in use. When this model was released in October 2009, it was the height of smartphone technology.



The BlackBerry Storm 2 before deconstruction

Parts list:

Lithium ion rechargeable battery- Powers the phone

Verizon Vodafone SIM card- connects the phone to the user's account, preventing fraud and correctly directing calls

x4 piezoelectric discs- gives out small electric charges when something touches or impacts the phone

16 GB memory card- stores data and possibly operating system

Screen driving circuit board- holds and allows connection through phone

AT&S Motherboard- circuit board that interconnects hardware attached to phone

3.2 MP autofocus Camera- allows phone to take pictures

I was not able to identify any TI components.



The AT&S Motherboard taken out of the phone

Something I learned was that there are many components compacted inside a phone. I also learned that taking apart a phone is very difficult and requires special tools because of its small size.



The Screendriving Circuit Board and the 4 piezoelectric discs inside the phone



The back lid and Lithium ion battery taken out of the phone