9090Z Deconstruction Project

We took apart an old Sony Ericsson T616 cell phone we had laying around the house. The T616 is a small cell phone released in 2003. It is one of the first popular cell phones to have a camera. We took it apart because it is quite simple, making it easy to deconstruct. We found a camera, a speaker, a vibration motor, and a joystick. The chips we found were the 5695606 PSA 313 05/1, the Ericsson + ARM VP22238-Y52379.Y130KS0325-1112%2F4CP5A, the Ericsson 3024/2C R1a a 35A8D8J, the Skyworks Cx77302-11 C377207.1 0321 MEXICO, A silicon chip with 2860 3201 on it, the ST M36DR432AD10ZA6 BGP9AH0324, the Ericsson 3014/2036E3J2TR2A chip, and the Ericsson 112013R1A3622T. There are no TI components, only Ericsson and ARM components. The Ericsson + ARM VP22238-Y52379.Y130KS0325-1112%2F4CP5A is the main CPU for the T616. It is a modem processor it is also an Arm microprocessor based Bluetooth baseband controller. The ST M36DR432AD10ZA6 BGP9AH0324 is a RAM chip, the Intel 5695606 PSA 313 05/1 is a Bluetooth module, the Ericsson 3024/2C R1a a 35A8D8J is a GSM band switch chip, the Skyworks Cx77302-11 C377207.1 0321 MEXICO is a radio amplifier, the Ericsson 3014/2036E3J2TR2A is a power source, and the Ericsson 112013R1A3622T’s function is unknown. We get this information from similar chips in the same family that have a known function. We know the Intel 5695606 PSA 313 05/1 is a Bluetooth module because of a Bluetooth symbol on it. We learned about researching information about an esoteric area of research. We also learned about how to organize projects. We also got a better understanding of how these devices so important to our lives work.

Reference: <https://en.wikipedia.org/wiki/Sony_Ericsson_T610> <http://www.soomal.com/pic/10100028292.htm>

<http://www.soomal.com/doc/10100003830.htm>