

## **KYOCERA CORPORATION**

### **Contacts**

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### **Products/Technology**

With sales near 300 billion yen a year, Kyocera is a large company with extensive interest in the electronics area. Near 4 per cent of its business is in ceramic materials for the electronics industry (alumina substrates, semi-fixed potentiometer bases, substrates for resistors, cathode holders and multiform glass). Some 33 per cent of its business is in semiconductor parts (multilayer packages, Cerdip cups and bases, special packages, chip carriers, mother boards, ceramic printed circuit boards, magnetron parts, power transistor stems, SCR housing, etc.). The semiconductor division is expanding with the formation of an LSI division interested in application-specific integrated circuits (ASIC). Kyocera's technology is currently at the level of 1.5 microns, double metal. The company is interested in pursuing further ventures in ASIC with other companies, including foreign organizations.

About 20 per cent of Kyocera's sales come from electronic components including quartz oscillators, chip capacitors, trimmer capacitors, hybrid substrates, silicon on sapphire, ceramic filters, oscillators, piezoelectric ceramic buzzer elements, etc. Kyocera also produces consumer goods, optical and precision instruments, industrial ceramics and other products.

This company spent over 6 billion yen on R&D in 1986. Of interest, the development of an IBM AT compatible, a lap-top computer, a new MSX Computer II and a 3.5 inch, 20 megabyte hard disk (developed jointly with LaPine Technology in the U.S.)