

Circuit Description for the TimeCalculator 125khz Proximity Data Terminal

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The TimeCalculator 125khz proximity terminal is a basic 8-bit microprocessor circuit. Using an 8051 design it employs an 8-bit bus to communicate with memory and an LCD screen. Using bit-banged control lines to communicate with the RTC, Keyboard, and RS-232 port and the RFID front end. All analog circuits for the RFID are enclosed inside the RFID front end IC. Standard LS TTL glue logic is used throughout.