



ADV-CMOS COMMUNICATIONS TERMINAL UNIT (Telecommunication Microcomputer)

Features

- Generates signals compatible with switched telephone networks or packet switched data networks
- Provides Dial Pulse (DP), Dual Tone Multi-Frequency (DTMF), and 0-600 baud modem signaling capabilities
- Low power mode (300 μ A) enables telephone line-powered operation
- External microprocessor address and data bus facilitates memory and I/O expansion
- On-chip memory: 64 bytes RAM, with facilities for external ROM or EPROM

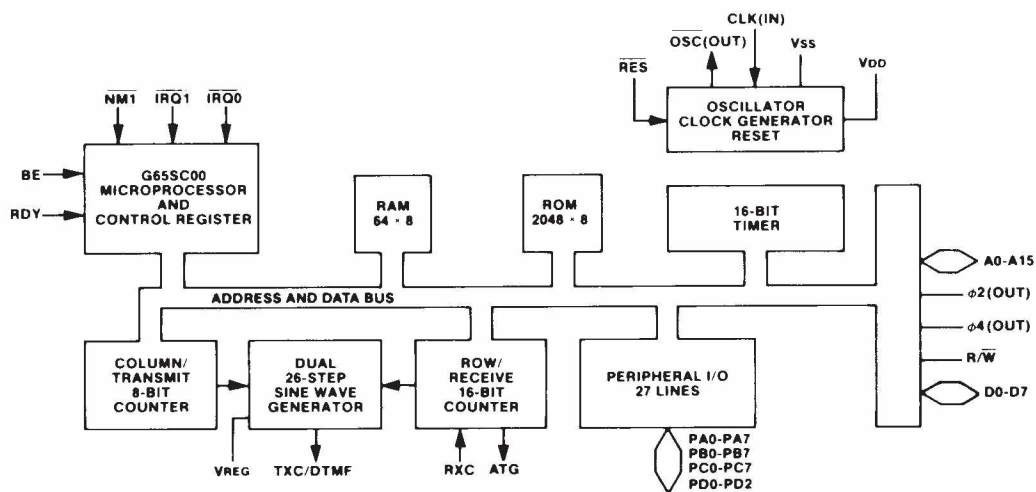
- Standard DTMF and modem frequencies can be generated which are accurate to $\pm 1.0\%$ with a 3.58 MHz crystal
- Two sine wave generators
- 6800 and 6500 bus compatibility
- Utilizes G65SC00 microprocessor as CPU
- 27 TTL compatible I/O lines Bus expandable to address
- 65K bytes of external memory
- Single +5 volt power supply
- Available in 68-pin PLCC

Contact factory for complete data sheet.

Product Description

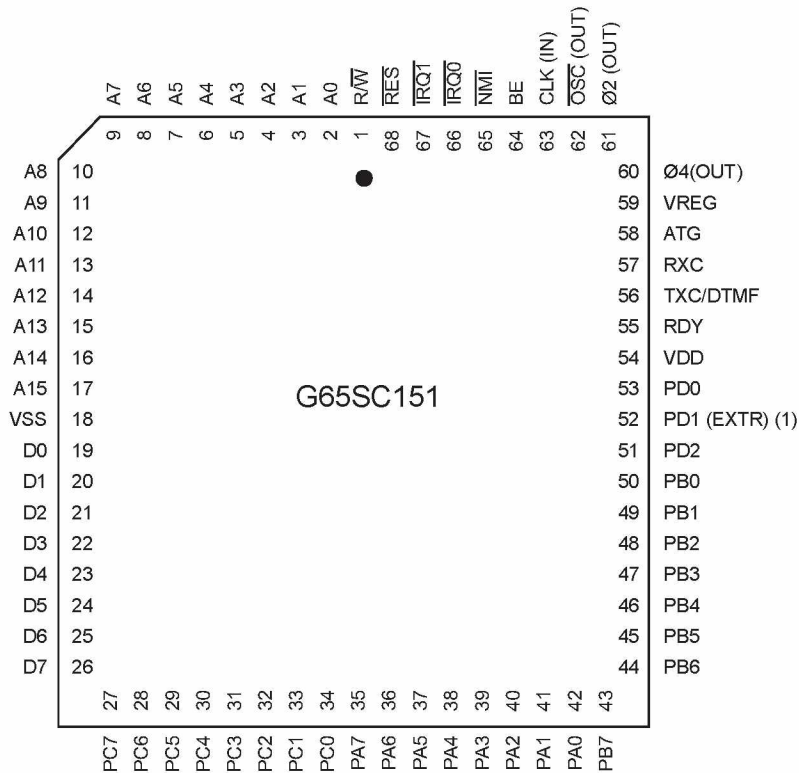
The CMD G65SC151 is configured as a Standard Mask Option to the G65SC150 Communications Terminal Unit (CTU). The G65SC150 CTU offers a variety of mask options which allow the user to configure a CTU that best suits the needs of a particular or unique design application. The G65SC151, however, is offered as a standard product (Standard Option) configuration which includes those options representing the general needs of most application requirements. Included options are detailed on page two of the full data sheet. The G65SC151 is a single chip telecommunications microcomputer manufactured using CMD's advanced CMOS processing technology. The G65SC151 has been optimized for telephone line signaling and data transmission applications. A functional block diagram is included to illustrate major system functions.

Block Diagram





Pin Assignments



Note: EXTR selected only in test and prototype mode.

Ordering Information

Example: G65SC151 P I -2

Product Identification Number

Package

PE — PLCC (68)

Temperature/Processing

I — -40°C to +85°C, ±10% P.S. Tol.

Performance Designator

Designators selected for speed and power specifications

- 1 1MHz
- 2 2MHz