

5.0V PC REAL-TIME CLOCK

FEATURES SUMMARY

- DROP-IN REPLACEMENT FOR PC COMPUTER CLOCK/CALENDAR
- COUNTS SECONDS, MINUTES, HOURS, DAYS, DAY OF THE WEEK, DATE, MONTH, and YEAR WITH LEAP YEAR COMPENSATION
- INTERFACED WITH SOFTWARE AS 128 RAM LOCATIONS:
 - 14 Bytes of Clock and Control Registers
 - 114 Bytes of General Purpose RAM
- SELECTABLE BUS TIMING (Intel/Motorola)
- THREE INTERRUPTS ARE SEPARATELY SOFTWARE-MASKABLE and TESTABLE
 - Time-of-Day Alarm (Once/Second to Once/Day)
 - Periodic Rates from 122µs to 500ms
 - End-of-Clock Update Cycle
- PROGRAMMABLE SQUARE WAVE OUTPUT
- 10 YEARS OF DATA RETENTION AND CLOCK OPERATION IN THE ABSENCE OF POWER
- SELF-CONTAINED BATTERY and CRYSTAL IN THE CAPHAT DIP PACKAGE
- PACKAGING INCLUDES A 28-LEAD SOIC and SNAPHAT® TOP (to be Ordered Separately)
- SOIC PACKAGE PROVIDES DIRECT CONNECTION FOR A SNAPHAT TOP CONTAINS THE BATTERY and CRYSTAL
- PIN and FUNCTION COMPATIBLE WITH bq3285/7A and DS12887

Figure 1. 24-pin PCDIP, CAPHAT™ Package

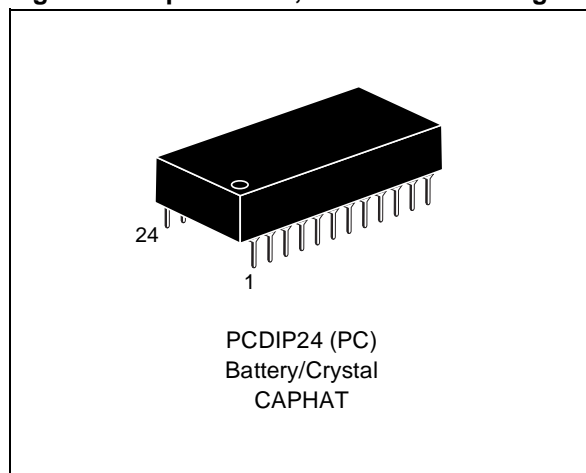


Figure 2. 28-pin SOIC Package

