

Description

PT8381 is a V8 micro -RISC 8 bit microcontroller specially designed for data bank and related applications. It combines a small gate count with a single clock execution for many instructions to deliver a high performance 8-bit microprocessor having the highest performance and a very small footprint. Pin assignments and application circuit are optimized for easy PCB layout and cost saving benefits.

Features

8-Bit Micro-Controller

- RISC Architecture: Single cycle execution for all registers to register
- VHDL Synthesis Code
- Fully Static & Synchronized Design
- Embedded 2K-byte SRAM
- Embedded 32K-byte ROM
- Watch Dog Timer' Halt & Stop Mode
- Up to 220 μ A at 3.0V, 500kHz , <1 μ A in Standby Mode
- Operating Voltage: 2.4V to 5V

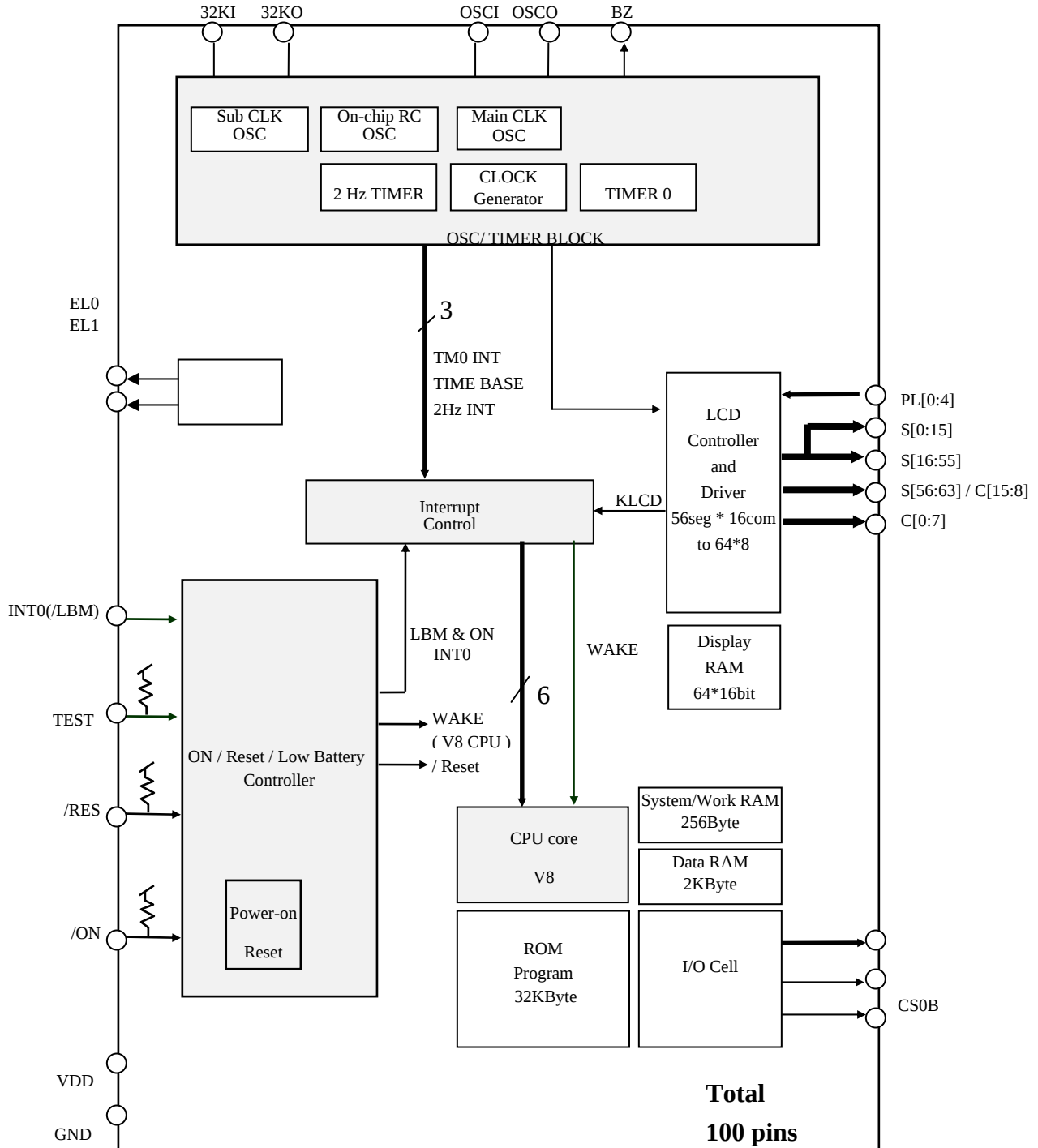
LCD Display Function

- 56 ~ 64 Segment Driver Output Pins
- 8 ~ 16 Common Driver Output Pins
- Display RAM: 64 x 16 bits

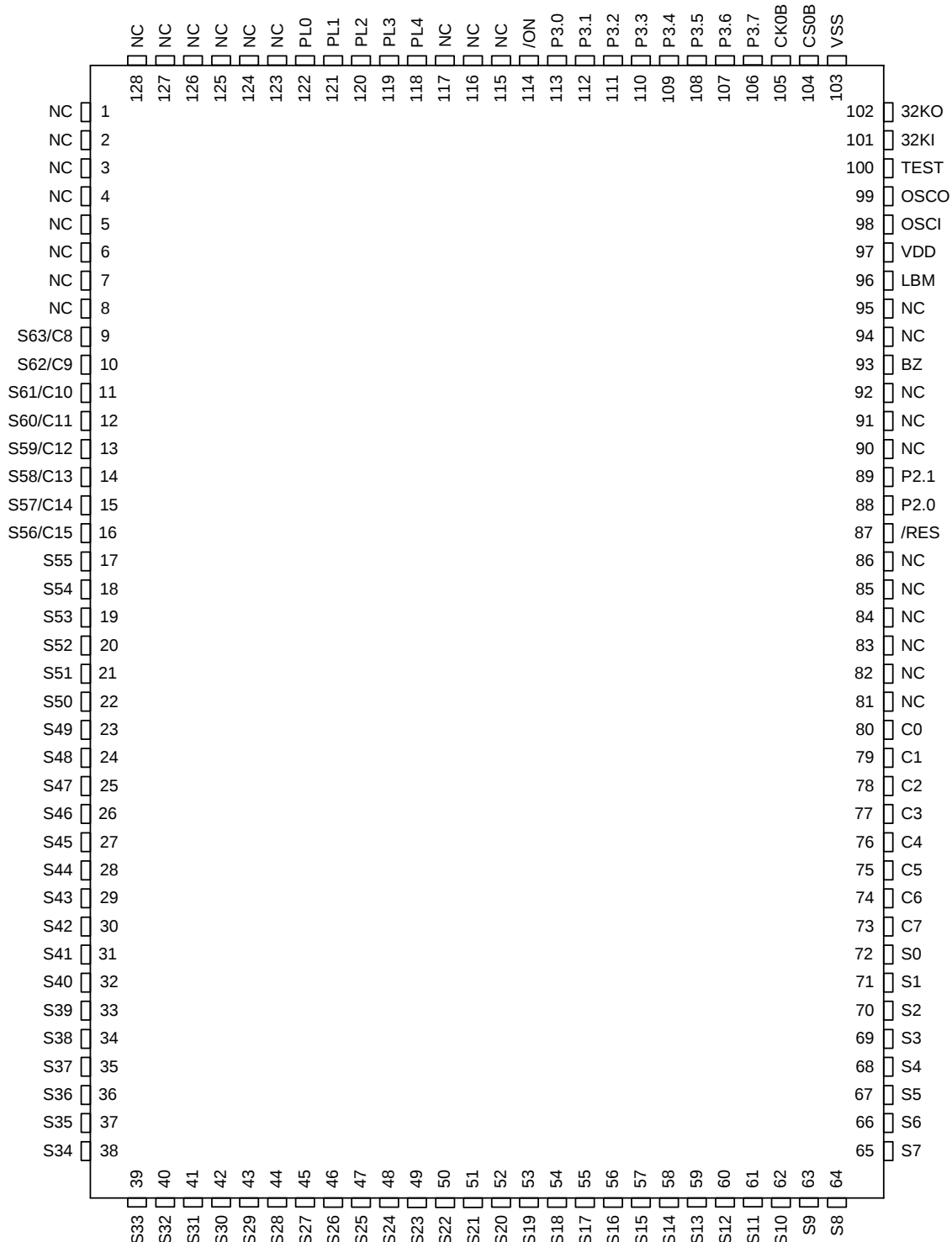
Applications

- Data Bank

Block Diagram



Pin Configuration



Order Information

Valid Part Number	Package Type
PT8381	128 Pins, QFP Package
PT8381-H	100 pins, C.O.B.