



**THE DATASHEET OF  
ICS94230BFT**



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## 94230BFT

**Category:**
**Generic Part:** 94230

**Market Group:** PC CLOCK

**Description:** PC MAIN CLOCK

General Description The ICS94230 is a main clock synthesizer chip for AMD-K7 based systems with VIA KT266 style chipset. This provides all clocks required for such a system. The ICS94230 belongs to ICS new generation of programmable system clock generators. It employs serial programming I2C interface as a vehicle for changing output functions, changing output frequency, configuring output strength, configuring output to output skew, changing spread spectrum amount, changing group divider ratio and dis/ enabling individual clocks. This device also has ICS propriety 'Watchdog Timer' technology which will reset the frequency to a safe setting if the system become unstable from over clocking.

**Output Features:**

- 1 - Differential pair open drain CPU clocks
- 1 - Differential pair push-pull CPU clocks @ 2.5V
- 11 - PCI including 1 free running and 1 early @ 3.3V
- 1 - 48MHz @ 3.3V fixed
- 1 - 24/48MHz @ 3.3V
- 3 - REF @ 3.3V, 14.318MHz.



### Parameters

|                         |                |
|-------------------------|----------------|
| Package                 | SSOP 48 (FV48) |
| Speed                   | NA             |
| Temperature             | C              |
| Voltage                 | 3.3 V          |
| Status                  | Active         |
| Sample                  | No             |
| Minimum Order Quantity  | 1000           |
| Factory Order Increment | 1000           |

### Distributor Inventory

No Pricing information is available from our Distributors at this time.

### Documents

| Type | Title                  | Size  | Revision Date |
|------|------------------------|-------|---------------|
| Misc | PC Clocks Contact Info | 61 KB | 05/29/2007    |

### Package

|                                  |                          |
|----------------------------------|--------------------------|
| Description                      | SSOP 300 MIL, 48LD       |
| Class                            | PLASTIC                  |
| Moisture Sensitivity Level (MSL) | 1                        |
| Category                         | Standard                 |
| Moisture Exposure Floor Life     | Unlimited @ <30°C/85% RH |
| Peak Reflow Temperature          | 225°C                    |
| Rebake Conditions                | NA                       |
| Length                           | 15.9                     |
| Mark                             | F                        |
| Width                            | 7.5                      |
| Pitch                            | 0.64                     |
| Thickness                        | 2.3                      |
| Status                           | Active                   |

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