



**THE DATASHEET OF  
ICS94230BF**



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## 94230BF

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

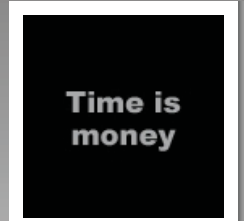
**Market Group:** PC CLOCK

**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 (PV48)
Speed	NA
Temperature	C
Voltage	3.3 V
Status	Active
Sample	Yes
Minimum Order Quantity	120
Factory Order Increment	30

### 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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