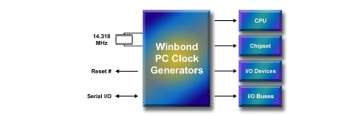




PC Clock Generators Overview

Single-chip Clock Generators from a single 14.318MHz crystal. The chips are designed for 100-CPU based systems and provide features or data-clock programming for the most popular system configurations including CPU, chipset, IO devices and IO buses. System ID is selected by the on-chip programmable mask-programmed technology. Both master and slave modes. Inventory Time and Clock Generators are provided for on-occurrence and system design margin analysis applications.

[Product Lines](#)
[Consumer Logic IC](#)
[Computer Logic IC](#)
[Memory Devices](#)



- | | |
|---|---|
| Key Features <ul style="list-style-type: none"> Single-chip clock generator from one 14.318MHz crystal Clock output to 100-CPU, system-chipset, IO devices, IO buses Winbond's 100-CPU, system-chipset, IO devices, IO buses Winbond's 100-CPU, system-chipset, IO devices, IO buses Winbond's 100-CPU, system-chipset, IO devices, IO buses Winbond's 100-CPU, system-chipset, IO devices, IO buses | Benefits <ul style="list-style-type: none"> Low cost for system clock needs Highly accurate output for better system reliability Supports mask-programmed technology for better time to market Supports mask-programmed technology for better time to market Supports mask-programmed technology for better time to market Supports mask-programmed technology for better time to market |
|---|---|

- Applications**
- Desktop PC motherboards
 - 100-CPU systems
 - 100-CPU based Industrial Computers
 - 100-CPU based Servers
 - 100-CPU based Applications

Product Selection Guide

Part Number	Description	Package	Orderable
W81948-04	100MHz 100MHz 100MHz Clock Gen.	500F48	Request PDF
W81948-10-10A	100MHz 100MHz 100MHz Clock Gen.	500F48	Request PDF
W81948-38-38A	100MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-37-88-88A	100MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-81	100MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-47A-47B	100MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-03A-03B	100MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-8	100MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-14-14A	100MHz 100MHz 100MHz Clock Gen. with 5.5T	500F48	Request PDF
W81948-10-10A	200MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-90	200MHz 100MHz 100MHz Clock Gen. 3.0MHz, with 5.5T	500F48	Request PDF
W81948-300	Step-Down Frequency Via PGM133, 100MHz 100MHz Clock Gen., with 5.5T	500F48	Request PDF
W81948-750	Step-Down Frequency 50 750, Clock Gen. with 5.5T	500F48	Request PDF
W81948-K	Step-Down Frequency Via PGM133 Clock Gen., 3.0MHz, with 5.5T	500F48	Request PDF
W81948-20	Step-Down Frequency 50 200, Clock Gen. with 5.5T	500F48	Request PDF
W81948-200	Step-Down Frequency 50 200, Clock Gen. with 5.5T, Pb-Free	500F48	Request PDF
W81948-200	Step-Down Frequency Via PGM133, 200MHz 100MHz Clock Gen.	500F48	Request PDF
W81948-600	Step-Down Frequency 50 600, Clock Gen.	500F48	Request PDF
W81948-700	Step-Down Frequency 50 700, Clock Gen.	500F48	Request PDF
W81948-800	Step-Down Frequency 50 800, Clock Gen.	500F48	Request PDF
W81948-900	Step-Down Frequency 50 900, Clock Gen.	500F48	Request PDF
W81948-1000	Step-Down Frequency 50 1000, Clock Gen.	500F48	Request PDF
W81948-1100	Step-Down Frequency 50 1100, Clock Gen.	500F48	Request PDF
W81948-1200	Step-Down Frequency 50 1200, Clock Gen.	500F48	Request PDF
W81948-1300	Step-Down Frequency 50 1300, Clock Gen.	500F48	Request PDF
W81948-1400	Step-Down Frequency 50 1400, Clock Gen.	500F48	Request PDF
W81948-1500	Step-Down Frequency 50 1500, Clock Gen.	500F48	Request PDF
W81948-1600	Step-Down Frequency 50 1600, Clock Gen.	500F48	Request PDF
W81948-1700	Step-Down Frequency 50 1700, Clock Gen.	500F48	Request PDF
W81948-1800	Step-Down Frequency 50 1800, Clock Gen.	500F48	Request PDF
W81948-1900	Step-Down Frequency 50 1900, Clock Gen.	500F48	Request PDF
W81948-2000	Step-Down Frequency 50 2000, Clock Gen.	500F48	Request PDF
W81948-2100	Step-Down Frequency 50 2100, Clock Gen.	500F48	Request PDF
W81948-2200	Step-Down Frequency 50 2200, Clock Gen.	500F48	Request PDF
W81948-2300	Step-Down Frequency 50 2300, Clock Gen.	500F48	Request PDF
W81948-2400	Step-Down Frequency 50 2400, Clock Gen.	500F48	Request PDF
W81948-2500	Step-Down Frequency 50 2500, Clock Gen.	500F48	Request PDF
W81948-2600	Step-Down Frequency 50 2600, Clock Gen.	500F48	Request PDF
W81948-2700	Step-Down Frequency 50 2700, Clock Gen.	500F48	Request PDF
W81948-2800	Step-Down Frequency 50 2800, Clock Gen.	500F48	Request PDF
W81948-2900	Step-Down Frequency 50 2900, Clock Gen.	500F48	Request PDF
W81948-3000	Step-Down Frequency 50 3000, Clock Gen.	500F48	Request PDF
W81948-3100	Step-Down Frequency 50 3100, Clock Gen.	500F48	Request PDF
W81948-3200	Step-Down Frequency 50 3200, Clock Gen.	500F48	Request PDF
W81948-3300	Step-Down Frequency 50 3300, Clock Gen.	500F48	Request PDF
W81948-3400	Step-Down Frequency 50 3400, Clock Gen.	500F48	Request PDF
W81948-3500	Step-Down Frequency 50 3500, Clock Gen.	500F48	Request PDF
W81948-3600	Step-Down Frequency 50 3600, Clock Gen.	500F48	Request PDF
W81948-3700	Step-Down Frequency 50 3700, Clock Gen.	500F48	Request PDF
W81948-3800	Step-Down Frequency 50 3800, Clock Gen.	500F48	Request PDF
W81948-3900	Step-Down Frequency 50 3900, Clock Gen.	500F48	Request PDF
W81948-4000	Step-Down Frequency 50 4000, Clock Gen.	500F48	Request PDF
W81948-4100	Step-Down Frequency 50 4100, Clock Gen.	500F48	Request PDF
W81948-4200	Step-Down Frequency 50 4200, Clock Gen.	500F48	Request PDF
W81948-4300	Step-Down Frequency 50 4300, Clock Gen.	500F48	Request PDF
W81948-4400	Step-Down Frequency 50 4400, Clock Gen.	500F48	Request PDF
W81948-4500	Step-Down Frequency 50 4500, Clock Gen.	500F48	Request PDF
W81948-4600	Step-Down Frequency 50 4600, Clock Gen.	500F48	Request PDF
W81948-4700	Step-Down Frequency 50 4700, Clock Gen.	500F48	Request PDF
W81948-4800	Step-Down Frequency 50 4800, Clock Gen.	500F48	Request PDF
W81948-4900	Step-Down Frequency 50 4900, Clock Gen.	500F48	Request PDF
W81948-5000	Step-Down Frequency 50 5000, Clock Gen.	500F48	Request PDF
W81948-5100	Step-Down Frequency 50 5100, Clock Gen.	500F48	Request PDF
W81948-5200	Step-Down Frequency 50 5200, Clock Gen.	500F48	Request PDF
W81948-5300	Step-Down Frequency 50 5300, Clock Gen.	500F48	Request PDF
W81948-5400	Step-Down Frequency 50 5400, Clock Gen.	500F48	Request PDF
W81948-5500	Step-Down Frequency 50 5500, Clock Gen.	500F48	Request PDF
W81948-5600	Step-Down Frequency 50 5600, Clock Gen.	500F48	Request PDF
W81948-5700	Step-Down Frequency 50 5700, Clock Gen.	500F48	Request PDF
W81948-5800	Step-Down Frequency 50 5800, Clock Gen.	500F48	Request PDF
W81948-5900	Step-Down Frequency 50 5900, Clock Gen.	500F48	Request PDF
W81948-6000	Step-Down Frequency 50 6000, Clock Gen.	500F48	Request PDF
W81948-6100	Step-Down Frequency 50 6100, Clock Gen.	500F48	Request PDF
W81948-6200	Step-Down Frequency 50 6200, Clock Gen.	500F48	Request PDF
W81948-6300	Step-Down Frequency 50 6300, Clock Gen.	500F48	Request PDF
W81948-6400	Step-Down Frequency 50 6400, Clock Gen.	500F48	Request PDF
W81948-6500	Step-Down Frequency 50 6500, Clock Gen.	500F48	Request PDF
W81948-6600	Step-Down Frequency 50 6600, Clock Gen.	500F48	Request PDF
W81948-6700	Step-Down Frequency 50 6700, Clock Gen.	500F48	Request PDF
W81948-6800	Step-Down Frequency 50 6800, Clock Gen.	500F48	Request PDF
W81948-6900	Step-Down Frequency 50 6900, Clock Gen.	500F48	Request PDF
W81948-7000	Step-Down Frequency 50 7000, Clock Gen.	500F48	Request PDF
W81948-7100	Step-Down Frequency 50 7100, Clock Gen.	500F48	Request PDF
W81948-7200	Step-Down Frequency 50 7200, Clock Gen.	500F48	Request PDF
W81948-7300	Step-Down Frequency 50 7300, Clock Gen.	500F48	Request PDF
W81948-7400	Step-Down Frequency 50 7400, Clock Gen.	500F48	Request PDF
W81948-7500	Step-Down Frequency 50 7500, Clock Gen.	500F48	Request PDF
W81948-7600	Step-Down Frequency 50 7600, Clock Gen.	500F48	Request PDF
W81948-7700	Step-Down Frequency 50 7700, Clock Gen.	500F48	Request PDF
W81948-7800	Step-Down Frequency 50 7800, Clock Gen.	500F48	Request PDF
W81948-7900	Step-Down Frequency 50 7900, Clock Gen.	500F48	Request PDF
W81948-8000	Step-Down Frequency 50 8000, Clock Gen.	500F48	Request PDF
W81948-8100	Step-Down Frequency 50 8100, Clock Gen.	500F48	Request PDF
W81948-8200	Step-Down Frequency 50 8200, Clock Gen.	500F48	Request PDF
W81948-8300	Step-Down Frequency 50 8300, Clock Gen.	500F48	Request PDF
W81948-8400	Step-Down Frequency 50 8400, Clock Gen.	500F48	Request PDF
W81948-8500	Step-Down Frequency 50 8500, Clock Gen.	500F48	Request PDF
W81948-8600	Step-Down Frequency 50 8600, Clock Gen.	500F48	Request PDF
W81948-8700	Step-Down Frequency 50 8700, Clock Gen.	500F48	Request PDF
W81948-8800	Step-Down Frequency 50 8800, Clock Gen.	500F48	Request PDF
W81948-8900	Step-Down Frequency 50 8900, Clock Gen.	500F48	Request PDF
W81948-9000	Step-Down Frequency 50 9000, Clock Gen.	500F48	Request PDF
W81948-9100	Step-Down Frequency 50 9100, Clock Gen.	500F48	Request PDF
W81948-9200	Step-Down Frequency 50 9200, Clock Gen.	500F48	Request PDF
W81948-9300	Step-Down Frequency 50 9300, Clock Gen.	500F48	Request PDF
W81948-9400	Step-Down Frequency 50 9400, Clock Gen.	500F48	Request PDF
W81948-9500	Step-Down Frequency 50 9500, Clock Gen.	500F48	Request PDF
W81948-9600	Step-Down Frequency 50 9600, Clock Gen.	500F48	Request PDF
W81948-9700	Step-Down Frequency 50 9700, Clock Gen.	500F48	Request PDF
W81948-9800	Step-Down Frequency 50 9800, Clock Gen.	500F48	Request PDF
W81948-9900	Step-Down Frequency 50 9900, Clock Gen.	500F48	Request PDF
W81948-10000	Step-Down Frequency 50 10000, Clock Gen.	500F48	Request PDF