Clock Generator

Part No.	W83115RG-965
Datasheet	Request PDF
Description	The W83115RG-965 is a CK505 Clock Synthesizer for Intel chipsets. The W83115RG-965 provides all clocks required for the high-speed microprocessor and provides step-less frequency programming and 32 different frequencies of CPU, PCI, and SRC clocks setting. The W83115RG-965 also supports SATA and DOT clock outputs. All clocks are externally selectable with smooth transitions. The W83115RG-965 provides I2C serial bus interface to program the registers to enable or disable each clock output and provides -0.5% down type spread spectrum or programmable S.S.T. scale to reduce EMI. The W83115RG-965 accepts a 14.318 MHz reference crystal as its input and runs on a 3.3V supply.
Features	2 pairs of push-pull Differential clock outputs for CPU, 1 free running. 7 pairs of push-pull Differential clock outputs for SRC. 1 pair push-pull Differential clock outputs for CPU/SRC. 1 pair push-pull Differential clock outputs for DOT/SRC. 5 PCI clock outputs, 1 free running. 1 48 MHz clock output for USB. 1 14.318MHz REF clock output. Smooth frequency switch with selections from 100 to 400MHz. Step-less frequency programming, and programmable S.S.T. scale to reduce EMI in M/N mode. I2C 2-wire serial interface and support byte read/write and block read/write. -0.5% down type spread spectrum in H/W and software select mode. Programmable registers to enable/disable each output and select mode. Programmable clock output slew rate control and skew control.
Diagram	N/A
Package	SSOP56
Other Files	N/A
Development Tools	N/A
Others	N/A

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