Clock Generator

Part No.	NCT1063Y-585
Datasheet	Request PDF
Description	The NCT1063Y-585 is a Clock Synthesizer for Intel Calpella platform which compliant with the Intel CK505 specification. The NCT1063Y-585 provides most of the clocks required for a high-speed microprocessor and integrates the regulator and series terminated resistors. The NCT1063Y-585 provides SMbus 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 NCT1063Y-585 accepts a 14.318 MHz reference crystal as its input and runs on single 3.3V supply.
Features	2 pairs of push-pull Differential clock outputs for CPU. 1 pairs of push-pull Differential clock outputs for DOT_96. 1 pair push-pull Differential clock outputs for SRC/SATA selectable. 1 pair push-pull Differential clock outputs for SRC. Amplitude controllable for differential clocks. 2 27MHz outputs, 1 support spread spectrum. 1 14.318MHz REF clock output. SMbus 2-wire serial interface and support byte read/write and block read/write. -0.5% down type spread spectrum in software select mode. Programmable S.S.T. scale to reduce EMI. Programmable registers to enable/disable each output and select modes. Programmable clock outputs slew rate control.
Diagram	N/A
Package	QFN32 Halogen free (Green package)
Other Files	N/A
Development Tools	N/A
Others	N/A

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