




**THE DATASHEET OF
NCT1063Y-585**





Clock Generator

Part No.	NCT1063Y-585
Datasheet	 Request PDF
Description	<p>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.</p> <p>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.</p> <p>The NCT1063Y-585 accepts a 14.318 MHz reference crystal as its input and runs on single 3.3V supply.</p>
Features	<ul style="list-style-type: none"> › 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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