

製品概要

NB3W1200L: 3.3 V 100/133 MHz Differential 1:12 Push-Pull Clock ZDB/Fanout Buffer for PCIe

技術情報は、データシートをご参照ください。

The NB3N1200K and NB3W1200L differential clock buffers are DB1200Z and DB1200ZL compliant and are designed to work in conjunction with a PCIe compliant source clock synthesizer to provide point-to-point clocks to multiple agents. The device is capable of distributing the reference clocks for Intel® QuickPath Interconnect (Intel QPI & UPI), PCIe Gen1/Gen2/Gen3/Gen4, SAS, SATA, and Intel Scalable Memory Interconnect (Intel SMI) applications. The VCO of the device is optimized to support 100 MHz and 133 MHz frequency operation. The NB3N1200K and NB3W1200L utilize pseudo-external feedback topology to achieve low input-to output delay variation. The NB3N1200K is configured with the HCSL buffer type, while the NB3W1200L is configured with the low-power NMOS Push-Pull buffer type.

特長

- 12 Differential Clock Output Pairs @ 0.7 V
 - Low-Power NMOS Push-Pull Compatible Outputs for NB3W1200L
 - Optimized 100 MHz and 133 MHz Operating Frequencies to Meet The Next Generation PCIe Gen 2/Gen 3/ Gen 4 and Intel QPI & UPI Phase Jitter
 - DB1200ZL Compliant
 - 3.3 V $\pm 5\%$ Supply Voltage Operation
 - Fixed-Feedback for Lowest Input-To-Output Delay Variation
 - SMBus Programmable Configurations to Allow Multiple Buffers in a Single Control Network
 - PLL Bypass Configurable for PLL or Fanout Operation
 - Programmable PLL Bandwidth
 - 2 Tri-level Addresses Selection (9 SMBUS Addresses)
- For more features, see the data sheet

アプリケーション

- Industrial
- Networking
- Computing
- Consumer

最終製品

- Desktop
- Notebook
- Switchers/Routers
- Servers
- Set Top Box

電気的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Type	Channels	Input / Output Ratio	Input Level	Output Level	V _{CC} Typ (V)	t _{jitter} ^R MS Typ (ps)	t _{skew(o)} Max (ps)	t _{pd} Typ (ns)	t _R & t _F Max (ps)	f _{max} Clk Typ (MHz)	f _{max} Data Typ (Mbps)	Package Type
NB3W1200LMNG	3.25	Pb-free	Active	Buffer	1	1:12	HCSL	HCSL	3.3	0.00	50	0	87.5	100		QFN-64
		Halide free non AEC-Q and PPAP								0.00				133.33		
NB3W1200LMNTXG	3.25	Pb-free	Active	Buffer	1	1:12	HCSL	HCSL	3.3	0.00	50	0	87.5	100		QFN-64
		Halide free non AEC-Q and PPAP								0.00				133.33		

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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