



CLOCK DEVICES FOR SERVERS

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Clocking Devices

This document lists some of the clocking devices used in server platforms:

- All the suppliers listed have been equally considered.
- There is no particular preference from Intel's point of view.
- Intel does not give any particular recommendation in this document.
- The data is as accurate as the release date of the document. For up-to-date information on schedules, performance, pricing and other, contact the vendor directly.

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Revision History

Revision	Description	Date
1.3	▪ Updated supplier part numbers	August 2020
1.2	▪ Added CK440Q part list ▪ Updated Supplier Contact Information	June 2020
1.1	▪ Hyperlinks to e-mails corrected.	March 2020
1.0	▪ Initial release	March 2020

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Crystals

Device	Manufacturer	MPN	IPN
32.768 kHz	EPSON*	X1A000141000300	C13544-021
	Nihon Dempa Kogyo (NDK)*	NX3215SA32KEXS00A-MU00503	C13544-023
	TXC*	9H03220009	
	HOSONIC*	ETST32.768W125BMPF	
24 MHz	TXC*	7M24070064	D71700-116
	Diodes* Incorporated	FL2400135	D71700-052

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Crystals continued

Device	Manufacturer	MPN	IPN
25 MHz	Nihon Dempa Kogyo (NDK)*	EXS00A-CS11692	D71700-115
	Diodes* Incorporated	FL2500187	D71700-033
	Nihon Dempa Kogyo (NDK)*	EXS00A-CS09866	D71700-008
	TXC*	7M25020001	
48 MHz	Diodes* Incorporated	FL4800057	D71700-058
	TXC*	7M48020003	
	Diodes* Incorporated	FL4800057	

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Crystal Oscillators

Device	Manufacturer	MPN	IPN
32.768 kHz CMOS 3.3V	Diodes* Incorporated	KM3270004	G34258-008
10 MHz CMOS 3.3V	TXC*	7X10020001	D34520-031
25 MHz CMOS 3.3V	HOSONIC*	D2SX25E000003E	E45031-024
25 MHz CMOS 2.5V	Silicon Laboratories Inc.*	510GBA25M0000BAGR	A78486-026
25 MHz CMOS 1.0V	Diodes* Incorporated	FK2500061	D34520-017
	TXC*	7X25020004	
50 MHz CMOS 3.3V	Silicon Laboratories Inc.*	510CBA50M0000BAG	A78486-027
125 MHz CMOS 1.8V	Silicon Laboratories Inc.*	510KBA125M000BAGR	A78486-025

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Device	Manufacturer	MPN	IPN
156.25 MHz	Diodes* Incorporated	UX54F62001	G63831-004
	Nihon Dempa Kogyo (NDK)*	NP5032SC 156.25M ENA4172A	
	Microchip*	SPN92001	H81196-001
322.265625 MHz	Microchip*	MX574BBD322M265 TR	H77101-001
	Texas Instruments*	LMK60K2-322M26SIAR	
	Texas Instruments*	LMK61I2-322M26	J53062-001
644.531250 MHz	Renesas*	XUL536644.531250I	G63831-021

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DBx00H

Device	Manufacturer	MPN	IPN
DB200H	On Semiconductor*	NB3L202KMNTXG	J24311-001
DB400H	On Semiconductor*	NB3L204KMNTXG	J24310-001
DB800H	On Semiconductor*	NB3L208KMNTXG	H70432-001

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DB800ZL

Device	Manufacturer	MPN	IPN
DB800ZL	Renesas*	IDT6INT61041	H24295-001
	Silicon Laboratories Inc.*	Si53108-A01AGMR	H54506-001
	On Semiconductor*	NB3W800LMNTXG	H87486-001
	Renesas*	9ZXL0451EKILFT	K20599-006
	Renesas*	9ZXL0851EKILFT	K63830-001

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DB1200Z/ZL

Device	Manufacturer	MPN	IPN
DB1200Z	Renesas*	9ZX21201BKLFT	H54829-001
	On Semiconductor*	NB3N1200KMNTXG	H13587-001
DB1200ZL	Renesas*	9ZXL1251EKLFT	K20599-015
	On Semiconductor*	NB3W1200LMNTXG	H13585-001
	Silicon Laboratories Inc.*	SI53112-A00AGMR	

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DB1900Z

Device	Manufacturer	MPN	IPN
DB1900Z Rev 1.6	Renesas*	9ZX21901CKLFT	E66519-002
	Microchip*	MDB1900ZBQUMYR01	G20746-002
	On Semiconductor*	NB3N1900KMNTXG	H55392-001
DB1900Z Rev 1.7	Renesas*	9ZX21901DKLFT	J49998-001

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DB2000Q/QL

Device	Manufacturer	MPN	IPN
DB2000Q	Renesas*	9QXL2000BNLGI8	K20599-002
	Diodes* Incorporated	PI6CB332000ZDIEX	
	Microchip*	ZL40292LDF1	
DB2000QL	Renesas*	9QXL2001BNHGI8	K20599-009
	Microchip*	ZL40294	
	Texas Instruments*	CDCDB2000	
	Diodes* Incorporated	PI6CB332001ZBIEX	

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CK420BQ

Device	Manufacturer	MPN	IPN
CK420BQ	Renesas*	932SQ420DGLFT	E65470-003

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CK440Q

Device	Manufacturer	MPN	IPN
CK440Q	Renesas*	9SQ440NQQI8 9SQ440NQQI	K21260-026

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CK-MNG/CK-MNG+

Device	Manufacturer	MPN	IPN
CK-MNG	Renesas*	9FGP202AKLF	D24031-003
CK-MNG+	Renesas*	9FGP204BKLFT	E95226-001

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I²C Clock

Device	Manufacturer	MPN	IPN
I ² C Quad Clock Generator	Silicon Labs*	SI5338M-B09714-GMR	K21260-006
I ² C Real-Time Clock	Maxim Integrated*	DS3231MZ+	K30581-001

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SUPPLIER CONTACT INFORMATION

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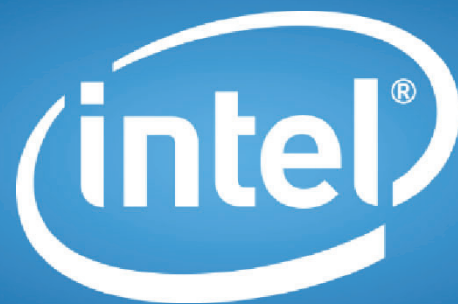
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