

- 1 DIMM: Supports one module inserted in any slot as single-channel memory configuration
- 2 DIMM: Supports one pair of modules inserted into either the A2 slots or the B2 slots that operates in a dual-channel memory configuration
- 4 DIMM: Supports 4 modules inserted into all slots as two pairs DIMMs operating in a dual-channel memory configuration

-Do not combine DIMMs from multiple kits—even ones of the same make and model. Mixing and matching DIMMs can result in failure to boot.

- Purchasing single DIMMs is not recommended because compatibility cannot be guaranteed.

For the best results, please ensure all memory modules are of the same version or have the same date code (D/C) from the same vendor. Check with the memory vendor to get the correct memory modules.

-The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module.

Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

-The stability and compatibility of memory modules with XMP profiles that operate beyond the JEDEC memory standard are not guaranteed.

The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices.

## Z370

### DDR4 4400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<a href="#">G.SKILL</a>	F4-4400C19Q-32GTZSWB	32GB(8GB*4)	19-19-19-39	1.5V		•
<a href="#">G.SKILL</a>	F4-4400C19Q-32GTZKKB	32GB(8GB*4)	19-19-19-39	1.5V		•

### DDR4 4333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<a href="#">G.SKILL</a>	F4-4333C19Q-32GTZSWB	32GB(8GB*4)	19-19-19-39	1.45V		•
<a href="#">G.SKILL</a>	F4-4333C19Q-32GTZKKB	32GB(8GB*4)	19-19-19-39	1.45V		•
<a href="#">CORSAIR</a>	CMK32GX4M4K4333C19 ver4.31	32GB(8GB*4)	19-26-26-46	1.5V		•

### DDR4 4266 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<a href="#">G.SKILL</a>	F4-4266C19Q-32GTZSW	32GB(8GB*4)	19-19-19-39	1.4V		•
<a href="#">G.SKILL</a>	F4-4266C19Q-32GTZKK	32GB(8GB*4)	19-19-19-39	1.4V		•
<a href="#">G.SKILL</a>	F4-4266C19Q-32GTZR	32GB(8GB*4)	19-19-19-39	1.4V		•
<a href="#">G.SKILL</a>	F4-4266C17Q-32GTZSW	32GB(8GB*4)	17-18-18-38	1.45V		•
<a href="#">G.SKILL</a>	F4-4266C17Q-32GTZKK	32GB(8GB*4)	17-18-18-38	1.45V		•
<a href="#">G.SKILL</a>	F4-4266C17Q-32GTZR	32GB(8GB*4)	17-18-18-38	1.45V		•
<a href="#">CORSAIR</a>	CMK32GX4M4K4266C19 ver4.31	32GB(8GB*4)	19-26-26-46	1.45V		•

### DDR4 4133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<a href="#">G.SKILL</a>	F4-4133C19D-16GTZR	16GB(8GB*2)	19-19-19-39	1.35V	•	
<a href="#">G.SKILL</a>	F4-4133C19D-16GTZSWC	16GB(8GB*2)	19-19-19-39	1.35V	•	
<a href="#">G.SKILL</a>	F4-4133C19D-16GTZKKB	16GB(8GB*2)	19-19-19-39	1.35V	•	
<a href="#">G.SKILL</a>	F4-4133C17D-16GTZR	16GB(8GB*2)	17-17-17-37	1.4V	•	
<a href="#">G.SKILL</a>	F4-4133C17D-16GTZSW	16GB(8GB*2)	17-17-17-37	1.4V	•	
<a href="#">G.SKILL</a>	F4-4133C17D-16GTZKK	16GB(8GB*2)	17-17-17-37	1.4V	•	
<a href="#">G.SKILL</a>	F4-4133C19Q-32GTZR	32GB(8GB*4)	19-19-19-39	1.4V	•	•
<a href="#">G.SKILL</a>	F4-4133C19Q-32GTZSWC	32GB(8GB*4)	19-19-19-39	1.4V	•	•
<a href="#">G.SKILL</a>	F4-4133C19Q-32GTZKKB	32GB(8GB*4)	19-19-19-39	1.4V	•	•
<a href="#">G.SKILL</a>	F4-4133C17Q-32GTZR	32GB(8GB*4)	17-17-17-37	1.4V	•	•
<a href="#">G.SKILL</a>	F4-4133C17Q-32GTZSW	32GB(8GB*4)	17-17-17-37	1.4V	•	•
<a href="#">G.SKILL</a>	F4-4133C17Q-32GTZKK	32GB(8GB*4)	17-17-17-37	1.4V	•	•
<a href="#">CORSAIR</a>	CMK16GX4M2B4133C19R ver4.31	16GB(8GB*2)	19-25-25-45R	1.4V	•	•
<a href="#">CORSAIR</a>	CMK32GX4M4E4133C19R ver4.31	32GB(8GB*4)	19-25-25-45R	1.4V	•	•
<a href="#">ADATA</a>	AX4U413338G19-QRS	32GB(8GB*4)	19-20-20-43	1.4V		•

### DDR4 4000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<a href="#">G.SKILL</a>	F4-4000C17D-16GTZSW	16GB(8GB*2)	17-17-17-37	1.35V	•	
<a href="#">G.SKILL</a>	F4-4000C17D-16GTZKK	16GB(8GB*2)	17-17-17-37	1.35V	•	
<a href="#">G.SKILL</a>	F4-4000C17D-16GTZR	16GB(8GB*2)	17-17-17-37	1.35V	•	
<a href="#">G.SKILL</a>	F4-4000C18Q-16GTZ	16GB(4GB*4)	18-22-22-40	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C18Q-32GTZ	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C18Q-32GTZSW	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C18Q-32GTZKW	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C18Q-32GTZR	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C17Q-32GTZSW	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C17Q-32GTZKK	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<a href="#">G.SKILL</a>	F4-4000C17Q-32GTZR	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<a href="#">CORSAIR</a>	CMD16GX4M2E4000C19 ver4.31	16GB(8GB*2)	19-23-23-45	1.35V	•	
<a href="#">CORSAIR</a>	CMD16GX4M2B4000C19 ver4.31	16GB(8GB*2)	19-23-23-45	1.35V	•	
<a href="#">CORSAIR</a>	CMK16GX4M2E4000C19R ver4.31	16GB(8GB*2)	19-23-23-45R	1.35V	•	
<a href="#">CORSAIR</a>	CMK16GX4M2B4000C19R ver4.31	16GB(8GB*2)	19-23-23-45R	1.35V	•	
<a href="#">CORSAIR</a>	CMD32GX4M4E4000C19 ver4.31	32GB(8GB*4)	19-23-23-45	1.35V	•	•
<a href="#">CORSAIR</a>	CMK32GX4M4B4000C19R ver4.31	32GB(8GB*4)	19-23-23-45R	1.35V	•	•
<a href="#">ADATA</a>	AX4U400038G18-QRS	32GB(8GB*4)	18-19-19-39	1.4V	•	•

### DDR4 3866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<a href="#">G.SKILL</a>	F4-3866C19D-8GTZ	8GB(4GB*2)	18-22-22-40	1.35V	•	
<a href="#">G.SKILL</a>	F4-3866C19Q-16GTZ	16GB(4GB*4)	18-22-22-40	1.35V	•	•
<a href="#">G.SKILL</a>	F4-3866C18D-32GTZR	16GB(8GB*2)	18-19-19-39	1.35V	•	
<a href="#">G.SKILL</a>	F4-3866C18Q-32GTZ	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<a href="#">G.SKILL</a>	F4-3866C18Q-32GTZSW	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<a href="#">G.SKILL</a>	F4-3866C18Q-32GTZKW	32GB(8GB*4)	18-19-19-39	1.35V	•	•

<b>G.SKILL</b>	F4-3866C18Q-32GTZR	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMK8GX4M2B3866C18 ver4.24	8GB(4GB*2)	18-22-22-40	1.35V	•	
<b>CORSAIR</b>	CMD8GX4M2B3866C18 ver4.24	8GB(4GB*2)	18-22-22-40	1.35V	•	
<b>CORSAIR</b>	CMD16GX4M2B3866C18 ver4.31	16GB(8GB*2)	18-22-22-40	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M2B3866C18 ver4.31	16GB(8GB*2)	18-22-22-40	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M4B3866C18 ver4.24	16GB(4GB*4)	18-22-22-40	1.35V	•	•
<b>CORSAIR</b>	CMK16GX4M4B3866C18R ver4.24	16GB(4GB*4)	18-22-22-40R	1.35V	•	•
<b>CORSAIR</b>	CMD32GX4M4B3866C18 ver4.31	32GB(8GB*4)	18-22-22-40	1.35V	•	•
<b>CORSAIR</b>	CMK32GX4M4B3866C18R ver4.31	32GB(8GB*4)	18-22-22-40R	1.35V	•	•
<b>TEAM GROUP</b>	TCD44G3866C18ABK	16GB(4GB*4)	18-20-20-39	1.35V	•	•
<b>ADATA</b>	AX4U386638G18-QRS	32GB(8GB*4)	18-19-19-39	1.35V	•	•

### DDR4 3733 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<b>G.SKILL</b>	F4-3733C17D-8GRK	8GB(4GB*2)	17-19-19-39	1.35V	•	
<b>G.SKILL</b>	F4-3733C17D-8GTZ	8GB(4GB*2)	17-19-19-39	1.35V	•	
<b>G.SKILL</b>	F4-3733C17D-8GVK	8GB(4GB*2)	17-19-19-39	1.35V	•	
<b>G.SKILL</b>	F4-3733C17D-16GTZ	16GB(8GB*2)	17-19-19-39	1.35V	•	
<b>G.SKILL</b>	F4-3733C17Q-16GRK	16GB(4GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-16GTZ	16GB(4GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-16GVK	16GB(4GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17D-16GTZ	16GB(8GB*2)	17-19-19-39	1.35V	•	
<b>G.SKILL</b>	F4-3733C17D-16GTZA	16GB(8GB*2)	17-17-17-37	1.35V	•	
<b>G.SKILL</b>	F4-3733C17Q-32GTZ	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-32GTZSW	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-32GTZKW	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-32GTZR	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-64GTZSW	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-64GTZKK	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3733C17Q-64GTZR	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMD8GX4M2B3733C17 ver4.24	8GB(4GB*2)	17-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMK8GX4M2B3733C17 ver4.24	8GB(4GB*2)	17-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMD16GX4M2B3733C17 ver4.31	16GB(8GB*2)	17-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M2B3733C17R ver4.31	16GB(8GB*2)	17-19-19-39R	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M4B3733C17 ver4.24	16GB(4GB*4)	17-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMD32GX4M4B3733C17 ver4.31	32GB(8GB*4)	17-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMK32GX4M4B3733C17R ver4.31	32GB(8GB*4)	17-19-19-39R	1.35V	•	•
<b>APACER</b>	AHU08GGB37CEU5H(EK.16GA6.GFBK2)	16GB(8GB*2)	17-19-19-39	1.35V	•	
<b>SUPERTALENT</b>	F3733UB8G	8GB	17-19-19-39	1.35V	•	•
<b>PATRIOT</b>	PV416G373C7K	16GB(8GB*2)	17-19-19-39	1.35V	•	
<b>G.SKILL</b>	F4-3733C17Q-64GTZKK	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMR64GX4M4C3733C17R ver4.31	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMK64GX4M4K3733C17R ver4.31	64GB(16GB*4)	17-19-19-39R	1.35V	•	•

### DDR4 3600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<b>G.SKILL</b>	F4-3600C17D-8GRK	8GB(4GB*2)	17-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3600C17D-8GTZ	8GB(4GB*2)	17-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3600C17D-8GVK	8GB(4GB*2)	17-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3600C17D-16GVK	16GB(8GB*2)	17-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3600C17D-16GTZ	16GB(8GB*2)	17-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3600C16D-16GVK	16GB(8GB*2)	16-16-16-36	1.35V	•	
<b>G.SKILL</b>	F4-3600C16D-16GTZ	16GB(8GB*2)	16-16-16-36	1.35V	•	
<b>G.SKILL</b>	F4-3600C15D-16GTZ	16GB(8GB*2)	15-15-15-35	1.35V	•	
<b>G.SKILL</b>	F4-3600C17Q-16GVK	16GB(4GB*4)	17-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-16GRK	16GB(4GB*4)	17-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-16GTZ	16GB(4GB*4)	17-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-32GVK	32GB(8GB*4)	17-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-32GTZ	32GB(8GB*4)	17-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-32GTZA	32GB(8GB*4)	17-17-17-37	1.35V	•	•
<b>G.SKILL</b>	F4-3600C16Q-32GTZB	32GB(8GB*4)	16-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C16Q-32GTZSWB	32GB(8GB*4)	16-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C16Q-32GTZBKW	32GB(8GB*4)	16-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-32GTZR	32GB(8GB*4)	17-18-18-38	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-64GTZ	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-64GTZSWB	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-64GTZKWB	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>G.SKILL</b>	F4-3600C17Q-64GTZR	64GB(16GB*4)	17-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMD8GX4M2B3600C18 ver4.24	8GB(4GB*2)	18-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMK8GX4M2B3600C18 ver4.24	8GB(4GB*2)	18-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M2B3600C16R ver4.31	16GB(8GB*2)	16-18-18-36R	1.35V	•	
<b>CORSAIR</b>	CMD16GX4M2B3600C18 ver4.31	16GB(8GB*2)	18-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M2B3600C18 ver4.31	16GB(8GB*2)	18-19-19-39	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M2B3600C18R ver4.31	16GB(8GB*2)	18-19-19-39R	1.35V	•	
<b>CORSAIR</b>	CMR16GX4M2C3600C18 ver4.31	16GB(8GB*2)	18-19-19-39R	1.35V	•	
<b>CORSAIR</b>	CMK16GX4M4B3600C18 ver4.24	16GB(4GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMD32GX4M4B3600C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
<b>CORSAIR</b>	CMK32GX4M4B3600C16R ver4.31	32GB(8GB*4)	16-18-18-36R	1.35V	•	•
<b>CORSAIR</b>	CMD32GX4M4B3600C18 ver4.31	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMK32GX4M4B3600C18 ver4.31	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMK32GX4M4B3600C18R ver4.31	32GB(8GB*4)	18-19-19-39R	1.35V	•	•
<b>CORSAIR</b>	CMR32GX4M4C3600C18 ver4.31	32GB(8GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMD64GX4M4B3600C18 ver4.31	64GB(16GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMR64GX4M4C3600C18 ver4.31	64GB(16GB*4)	18-19-19-39	1.35V	•	•
<b>CORSAIR</b>	CMK64GX4M4B3600C18 ver4.31	64GB(16GB*4)	18-19-19-39	1.35V	•	•
<b>APACER</b>	AHU08GGB36CJU5H(EK.16GA4.GFBK2)	16GB(8GB*2)	18-18-18-42	1.35V	•	
<b>KINGSTON</b>	HX436C17PB3K4/32	32GB(8GB*4)	17-18-18-38	1.35V	•	•
<b>PATRIOT</b>	PV48G360C7K	8GB(4GB*2)	17-18-18-36	1.35V	•	
<b>APACER</b>	AHU08GGB36CEU5H(EK.16GA4.GFBK2)	8GB	17-19-19-39	1.35V	•	•

### DDR4 3466 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
<b>G.SKILL</b>	F4-3466C16D-8GRK	8GB(4GB*2)	16-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3466C16D-8GTZ	8GB(4GB*2)	16-18-18-38	1.35V	•	
<b>G.SKILL</b>	F4-3466C16D-8GVK	8GB(4GB*2)	16-18-18-38	1.35V	•	

G.SKILL	F4-3466C16Q-16GRK	16GB(4GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GVR	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GVK	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GTZ	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GTZKW	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GTZSW	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16D-16GTZSK	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-16GVK	16GB(4GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GVR	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GVK	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GTZ	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-32GTZSW	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-64GTZ	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-64GTZSW	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3466C16Q-64GTZR	64GB(16GB*4)	16-18-18-38	1.35V	•	•
CORSAIR	CMD16GX4M2B3466C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M2B3466C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M2B3466C16R ver4.31	16GB(8GB*2)	16-18-18-36R	1.35V	•	•
CORSAIR	CMR16GX4M2C3466C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMD16GX4M4B3466C16 ver4.24	16GB(4GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M4B3466C16 ver4.24	16GB(4GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M4B3466C16R ver4.24	16GB(4GB*4)	16-18-18-36R	1.35V	•	•
CORSAIR	CMD32GX4M4B3466C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4C3466C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4C3466C16R ver4.31	32GB(8GB*4)	16-18-18-36R	1.35V	•	•
CORSAIR	CMU32GX4M4B3466C16 ver4.24	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMD32GX4M2B3466C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M2B3466C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M2B3466C16R ver4.31	32GB(16GB*2)	16-18-18-36R	1.35V	•	•
CORSAIR	CMK32GX4M4B3466C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M4B3466C16R ver4.31	32GB(8GB*4)	16-18-18-36R	1.35V	•	•
CORSAIR	CMR32GX4M4C3466C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMD64GX4M4B3466C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK64GX4M4B3466C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK64GX4M4B3466C16R ver4.31	64GB(16GB*4)	16-18-18-36R	1.35V	•	•
CORSAIR	CMR64GX4M4C3466C16R ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
APACER	AHU08GGB34CJU5H(EK.16GA3.GGBK2)	16GB(8GB*2)	18-18-18-42	1.35V	•	•
APACER	AHU08GGB34CJU6H(EK.16GA3.GGAK2)	16GB(8GB*2)	18-18-18-42	1.35V	•	•
ZADAK	ZD4-SHD3600C17-08GAS	8GB	17-19-19-39	1.35V	•	•

#### DDR4 3400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
G.SKILL	F4-3400C16D-16GRK	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16D-16GTZ	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16D-16GVK	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16D-32GRK	32GB(16GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16D-32GVR	32GB(16GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16D-32GVK	32GB(16GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16D-32GTZ	32GB(16GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16D-32GVK	32GB(16GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-16GRBD	16GB(4GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-16GRKD	16GB(4GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16Q-16GRBD	16GB(4GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-32GRK	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-32GVK	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-32GTZ	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-32GTZSW	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-32GVK	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-64GRK	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3400C16Q-64GVR	64GB(16GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16Q-64GVK	64GB(16GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16Q-64GTZ	64GB(16GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3400C16Q-64GVK	64GB(16GB*4)	16-18-18-38	1.35V	•	•
CORSAIR	CMD16GX4M4B3400C16 ver. 4.24	16GB(4GB*4)	16-18-18-40	1.35V	•	•
CORSAIR	CMR16GX4M2C3400C16 ver. 4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M4B3400C16 ver. 4.23	16GB(4GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M2B3400C16 ver. 4.23	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMR32GX4M4C3400C16 ver. 4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4B3400C16 ver. 4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4C3400C16 ver. 4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4B3400C16R ver. 4.31	32GB(8GB*4)	16-18-18-36R	1.35V	•	•
CORSAIR	CMU32GX4M4C3400C16R ver. 4.31	32GB(8GB*4)	16-18-18-36R	1.35V	•	•
CORSAIR	CMK32GX4M4B3400C16 ver. 4.23	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M4C3400C16 ver. 4.23	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M4C3400C16R ver. 4.23	32GB(8GB*4)	16-18-18-36R	1.35V	•	•
PATRIOT	PV48G340C6K	8GB(4GB*2)	16-18-18-36	1.35V	•	•
PATRIOT	PV416G340C6K	16GB(8GB*2)	16-18-18-36	1.35V	•	•

#### DDR4 3333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
G.SKILL	F4-3333C16Q-16GRKD	16GB(4GB*4)	16-18-18-36	1.35V	•	•
G.SKILL	F4-3333C16D-16GVR	16GB(8GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16D-16GVK	16GB(8GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16D-16GTZ	16GB(8GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16D-16GTZB	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3333C16D-16GTZKW	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3333C16D-16GTZSW	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3333C16D-16GTZSK	16GB(8GB*2)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3333C16Q-32GVR	32GB(8GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16Q-32GVK	32GB(8GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16Q-32GTZ	32GB(8GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16Q-32GTZB	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3333C16Q-32GTZSW	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3333C16D-32GVR	32GB(16GB*2)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3333C16D-32GVK	32GB(16GB*2)	16-16-16-36	1.35V	•	•

G.SKILL	F4-3333C16D-32GTZ	32GB(16GB*2)	16-16-16-36	1.35V	•
G.SKILL	F4-3333C16D-32GTZB	32GB(16GB*2)	16-18-18-38	1.35V	•
G.SKILL	F4-3333C16D-32GTZKW	32GB(16GB*2)	16-18-18-38	1.35V	•
G.SKILL	F4-3333C16D-32GTZSW	32GB(16GB*2)	16-18-18-38	1.35V	•
G.SKILL	F4-3333C16D-32GTZSK	32GB(16GB*2)	16-18-18-38	1.35V	•
G.SKILL	F4-3333C16Q-64GVR	64GB(16GB*4)	16-16-16-36	1.35V	• •
G.SKILL	F4-3333C16Q-64GVK	64GB(16GB*4)	16-16-16-36	1.35V	• •
G.SKILL	F4-3333C16Q-64GTZ	64GB(16GB*4)	16-16-16-36	1.35V	• •
G.SKILL	F4-3333C16Q-64GTZB	64GB(16GB*4)	16-18-18-38	1.35V	• •
G.SKILL	F4-3333C16Q-64GTZSW	64GB(16GB*4)	16-18-18-38	1.35V	• •
CORSAIR	CMD16GX4M2B3333C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•
CORSAIR	CMK16GX4M2C3333C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•
CORSAIR	CMK16GX4M2B3333C16 ver4.24	16GB(8GB*2)	16-18-18-36	1.35V	•
CORSAIR	CMD16GX4M4B3333C16 ver4.24	16GB(4GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMK16GX4M4B3333C16 ver4.24	16GB(4GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMK16GX4M4B3333C16R ver4.24	16GB(4GB*4)	16-18-18-36R	1.35V	• •
CORSAIR	CMD32GX4M2B3333C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•
CORSAIR	CMD32GX4M4B3333C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMR32GX4M2C3333C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•
CORSAIR	CMR32GX4M4C3333C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMK32GX4M2B3333C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•
CORSAIR	CMK32GX4M4B3333C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMD64GX4M4B3333C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMR64GX4M4C3333C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMK64GX4M4B3333C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	• •
CORSAIR	CMK64GX4M4B3333C16R ver4.31	64GB(16GB*4)	16-18-18-36R	1.35V	• •
A-DATA	AX4U3333W4G16	16GB(4GB*4)	16-16-16-36	1.35V	•
KINGSTON	HX433C16PB3K4/32	32GB(8GB*4)	16-18-18-36	1.35V	• •
KINGSTON	HX433C16PB3K2/16	16GB(8GB*2)	16-18-18-36	1.35V	•

### DDR4 3200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)	
					2 DIMM	4 DIMM
G.SKILL	F4-3200C16D-8GRK	8GB(4GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-8GTZ	8GB(4GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-8GVK	8GB(4GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16Q-16GRR	16GB(4GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-16GRB	16GB(4GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-16GRKD	16GB(4GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-16GTZ	16GB(4GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-16GVK	16GB(4GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16D-16GRK	16GB(8GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-16GTZ	16GB(8GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-16GVR	16GB(8GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-16GVK	16GB(8GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-16GVS	16GB(8GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-16GVKB	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GVGB	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZLG	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZLO	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZB	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZKW	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZKY	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-6GTZKO	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZSW	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-16GTZSK	16GB(8GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C15D-16GVR	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-16GVK	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-16GTZ	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-16GTZKW	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-16GTZKY	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-6GTZKO	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-16GTZSW	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-16GTZSK	16GB(8GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C14D-16GVR	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-16GVK	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-16GTZ	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-16GTZKW	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-16GTZKY	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-6GTZKO	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-16GTZSW	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-16GTZSK	16GB(8GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C15D-32GRK	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GTZ	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GVK	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GVR	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C16D-32GRK	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GTZA	32GB(16GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-32GVK	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GVKA	32GB(16GB*2)	16-16-16-36	1.35V	•	
G.SKILL	F4-3200C16D-32GTZ	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GTZKW	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GTZKY	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GTZKO	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GTZSW	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16D-32GTZSK	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C15D-32GTZ	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GTZKW	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GTZKY	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GTZKO	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GTZSW	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C15D-32GTZSK	32GB(16GB*2)	15-15-15-35	1.35V	•	
G.SKILL	F4-3200C14D-32GVR	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-32GVK	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-32GTZ	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-32GTZKW	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-32GTZKY	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-32GTZKO	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C14D-32GTZSW	32GB(16GB*2)	14-14-14-34	1.35V	•	

G.SKILL	F4-3200C14D-32GTZSK	32GB(16GB*2)	14-14-14-34	1.35V	•	
G.SKILL	F4-3200C16D-32GVK	32GB(16GB*2)	16-18-18-38	1.35V	•	
G.SKILL	F4-3200C16Q-32GRK	32GB(8GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-32GVK	32GB(8GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C16Q-32GVKB	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZB	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZKW	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZKY	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZKO	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZSW	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZSK	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C15Q-32GVR	32GB(8GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C15Q-32GVK	32GB(8GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C15Q-32GTZ	32GB(8GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C15Q-32GTZSW	32GB(8GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C14Q-32GVR	32GB(8GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-32GVK	32GB(8GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-32GTZ	32GB(8GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-32GTZSW	32GB(8GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C16Q-32GVK	32GB(8GB*4)	16-16-16-36	1.35V	•	•
G.SKILL	F4-3200C14Q-32GTZR	32GB(8GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C16Q-32GTZR	32GB(8GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GRK	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GVK	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GTZ	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GTZKW	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GTZKY	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GTZKO	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GTZSW	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C16Q-64GTZSK	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C15Q-64GVR	64GB(16GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C15Q-64GVK	64GB(16GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C15Q-64GTZ	64GB(16GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C15Q-64GTZSW	64GB(16GB*4)	15-15-15-35	1.35V	•	•
G.SKILL	F4-3200C14Q-64GVR	64GB(16GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-64GVK	64GB(16GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-64GTZ	64GB(16GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-64GTZSW	64GB(16GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C16Q-64GVK	64GB(16GB*4)	16-18-18-38	1.35V	•	•
G.SKILL	F4-3200C14Q-64GVR	64GB(16GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C14Q-64GTZR	64GB(16GB*4)	14-14-14-34	1.35V	•	•
G.SKILL	F4-3200C15Q-64GTZR	64GB(16GB*4)	15-15-15-35	1.35V	•	•
CORSAIR	CMK8GX4M2B3200C16 ver4.24	8GB(4GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMD8GX4M2B3200C16 ver4.24	8GB(4GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMD8GX4M2B3200C14 ver4.24	8GB(4GB*2)	14-16-16-35	1.35V	•	
CORSAIR	CMU16GX4M2C3200C16 ver4.24	16GB(8GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMU16GX4M2C3200C16 ver5.39	16GB(8GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMK16GX4M2B3200C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMK16GX4M2B3200C16 ver4.24	16GB(8GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMK16GX4M2B3200C14 ver4.24	16GB(8GB*2)	14-16-16-35	1.35V	•	
CORSAIR	CMR16GX4M2C3200C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMR16GX4M2D3200C16 ver4.31	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMD16GX4M4B3200C15 ver4.24	16GB(4GB*4)	15-17-17-35	1.35V	•	•
CORSAIR	CMD16GX4M4B3200C16 ver4.24	16GB(4GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMD16GX4M4B3200C14 ver4.24	16GB(4GB*4)	14-16-16-35	1.35V	•	•
CORSAIR	CMK16GX4M4B3200C16 ver4.24	16GB(4GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK16GX4M4B3200C15 ver4.24	16GB(4GB*4)	15-17-17-35	1.35V	•	•
CORSAIR	CMK16GX4M4C3200C15 ver4.24	16GB(4GB*4)	15-17-17-35	1.35V	•	•
CORSAIR	CMK16GX4M4B3200C14 ver4.24	16GB(4GB*4)	14-16-16-35	1.35V	•	•
CORSAIR	CMD32GX4M2B3200C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMD32GX4M2C3200C16C ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMU32GX4M2C3200C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMU32GX4M2C3200C16 ver5.39	32GB(16GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMR32GX4M2C3200C16 ver5.39	32GB(16GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMK32GX4M2B3200C16 ver4.31	32GB(16GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMK32GX4M2B3200C14 ver4.31	32GB(16GB*2)	14-16-16-35	1.35V	•	
CORSAIR	CMK32GX4M2B3200C16 ver5.39	16GB(8GB*2)	16-18-18-36	1.35V	•	
CORSAIR	CMD32GX4M4C3200C14C ver4.31	32GB(8GB*4)	14-16-16-35	1.35V	•	•
CORSAIR	CMD32GX4M4B3200C16 ver4.24	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMD32GX4M2C3200C16 ver5.39	16GB(8GB*2)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M4B3200C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M4B3200C16 ver4.24	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK32GX4M4B3200C14 ver4.24	32GB(8GB*4)	14-16-16-35	1.35V	•	•
CORSAIR	CMK32GX4M4D3200C16 ver3.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4C3200C16 ver5.39	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU32GX4M4C3200C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMR32GX4M4C3200C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMR32GX4M4D3200C16 ver4.31	32GB(8GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMD64GX4M4B3200C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMD64GX4M4C3200C16 ver5.39	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK64GX4M4B3200C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMK64GX4M4B3200C16 ver5.39	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU64GX4M4B3200C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMU64GX4M4B3200C16 ver5.39	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMR64GX4M4C3200C16 ver4.31	64GB(16GB*4)	16-18-18-36	1.35V	•	•
CORSAIR	CMR64GX4M4C3200C16 ver5.39	64GB(16GB*4)	16-18-18-36	1.35V	•	•
KINGSTON	HX432C16PB3K4/16	16GB(4GB*4)	16-18-18-36	1.35V	•	•
KINGSTON	HX432C16PB3K4/32	32GB(8GB*4)	16-18-18-36	1.35V	•	•
GEIL	GEX416GB3200C16DC	16GB(8GB*2)	16-16-16-36	1.35V	•	
APACER	AHU08GGB32CDU5H(EK.16GA1.GEBK2)	16GB(8GB*2)	16-18-18-38	1.35V	•	
APACER	AHU08GGB32CDU6H(EK.16GA1.GEAK2)	16GB(8GB*2)	16-18-18-38	1.35V	•	
APACER	AHU16GGB32CDU5H(EK.32GA1.GEBK2)	32GB(16GB*2)	16-18-18-38	1.35V	•	
APACER	AHU16GGB32CDU6H(EK.32GA1.GEAK2)	32GB(16GB*2)	16-18-18-38	1.35V	•	
FORZA	NFMUD480E8-3200DH2A	16GB(8GB*2)	16-18-18-36	1.35V	•	
ADATA	AX4U320038G16-BRS	8GB	16-18-18-36	1.35V	•	•
TEAMGROUP	TF1D416G3200HC16CDC01	16GB(8GB*2)	16-18-18-38	1.35V	•	
TEAMGROUP	TF2D416G3200HC16CDC01	16GB(8GB*2)	16-18-18-38	1.35V	•	
SUPERTALENT	F3200UB4G	4GB	16-18-18-36	1.35V	•	•
SUPERTALENT	F3200UB16G	16GB	16-18-18-36	1.35V	•	•
PATRIOT	PV48G320C6K	8GB(4GB*2)	16-16-16-36	1.35V	•	

<b>PATRIOT</b>	PV416G320C6K	16GB(8GB*2)	16-16-16-36	1.35V	•
<b>PATRIOT</b>	PVE416G320C6KGY	16GB(8GB*2)	16-16-16-36	1.35V	•
<b>PATRIOT</b>	PV432G320C6K	32GB(16GB*2)	16-16-16-36	1.35V	•
<b>KLEVV</b>	IM48GU88A32-GIISEZ	32GB(8GB*4)	16-18-18-38	1.35V	•

### DDR4 3000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
<b>ADATA</b>	AX4U3000316G16-BGZ(XMP)	16GB	16-18-18-36	1.35	•	•	
<b>ADATA</b>	AX4U300038G16-DBZ(XMP)	8GB	16-18-18-36	1.35	•	•	
<b>ADATA</b>	AX4U3000W4G16-BWZ(XMP)	4GB	16-16-16-36	1.35	•	•	
<b>ADATA</b>	AX4U3000W8G16-BWZ(XMP)	8GB	16-16-16-36	1.35	•	•	
<b>Apacer</b>	EK.16GAW.KFBK2(XMP)	8GB	16-16-16-36	-	•	•	
<b>Apacer</b>	AHU08GGB30CDG6H (EK.16GAZ.GEAK2)	2 x 8GB	16-16-16-36	1.35	•	•	
<b>Apacer</b>	AHU08GGB30CDU5H (EK.16GAZ.GEBK2)	2 x 8GB	16-16-16-36	1.35	•	•	
<b>CORSAIR</b>	CMD16GX4M2B3000C15(Ver4.23)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMD16GX4M2B3000C15(Ver5.30)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMD16GX4M4B3000C15(Ver4.23)(XMP)	4 x 4GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMD16GX4M4B3000C15(Ver5.29)(XMP)	4 x 4GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMD32GX4M2B3000C15(Ver5.39)(XMP)	2 x 16GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMD32GX4M4B3000C15(Ver4.23)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMD32GX4M4C3000C15(Ver3.32)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMD32GX4M4C3000C15(Ver5.30)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK16GX4M1B3000C15(Ver3.32)(XMP)	16GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2B3000C15(Ver3.32)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2B3000C15(Ver4.23)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M2B3000C15(Ver5.30)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK16GX4M4B3000C15(Ver5.29)(XMP)	4 x 4GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK32GX4M2B3000C15(Ver4.31)(XMP)	2 x 16GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMK32GX4M4B3000C15(Ver4.24)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK32GX4M4B3000C15(Ver5.29)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK64GX4M4B3000C15(Ver4.31)(XMP)	4 x 16GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMK8GX4M2B3000C15(Ver4.23)(XMP)	2 x 4GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR16GX4M2C3000C15(Ver4.31)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR16GX4M2C3000C15(Ver5.30)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>CORSAIR</b>	CMR32GX4M4C3000C15(Ver3.32)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMR32GX4M4C3000C15(Ver4.31)(XMP)	4 x 8GB	15-17-17-35	1.35	•	•	•
<b>CORSAIR</b>	CMU16GX4M2C3000C15(Ver3.21)(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>crucial</b>	BLE4G4D30AEEA.K8FE(XMP)	4GB	15-16-16-35	1.35	•	•	
<b>crucial</b>	BLE8G4D30AEEA.K16FE(XMP)	8GB	15-16-16-35	1.35	•	•	
<b>crucial</b>	BLT4G4D30AETA.K8FE(XMP)	4GB	15-16-16-35	1.35	•	•	
<b>crucial</b>	BLT8G4D30AETA.K16FE(XMP)	8GB	15-16-16-35	1.35	•	•	
<b>G.SKILL</b>	F4-3000C14Q2-128GVK(XMP)	8 x 16GB	14-14-14-34	1.35	•	•	•
<b>G.SKILL</b>	F4-3000C15D-8GTZB(XMP)	2 x 4GB	15-16-16-35	1.35	•	•	
<b>G.SKILL</b>	F4-3000C15Q-16GRK(XMP)	4 x 4GB	15-15-15-35	1.35	•	•	•
<b>G.SKILL</b>	F4-3000C15Q-16GRR(XMP)	4 x 4GB	15-15-15-35	1.35	•	•	•
<b>G.SKILL</b>	F4-3000C15Q-32GRK(XMP)	4 x 8GB	15-15-15-35	1.35	•	•	
<b>G.SKILL</b>	F4-3000C16Q2-128GVKB(XMP)	8 x 16GB	16-18-18-38	1.35	•	•	•
<b>GeIL</b>	GLR416GB3000C15ADC(XMP)	8GB	15-17-17-35	1.35	•	•	
<b>GeIL</b>	GLR416GB3000C16QC(XMP)	4 x 4GB	16-16-16-36	1.35	•	•	•
<b>GeIL</b>	GWW416GB3000C15DC(XMP)	2 x 8GB	15-17-17-35	1.35	•	•	
<b>Hyper X</b>	HX430C15PB2K4/16(XMP)	4 x 4GB	15-16-16-39	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K2/16(XMP)	2 x 8GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K2/32(XMP)	2 x 16GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K2/8(XMP)	2 x 4GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K4/16(XMP)	4 x 4GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K4/32(XMP)	4 x 8GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K4/64(XMP)	4 x 16GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PB3K8/128(XMP)	8 x 16GB	15-17-17-36	1.35	•	•	•
<b>Hyper X</b>	HX430C15PBK4/32(XMP)	4 x 8GB	15-16-16-39	1.35	•	•	
<b>Hyper X</b>	HX430C15SB2/4(XMP)	4GB	15-17-17-39	1.35	•	•	•
<b>Hyper X</b>	HX430C15SB2K2/8(XMP)	2 x 4GB	15-17-17-39	1.35	•	•	•
<b>Hyper X</b>	HX430C15SB2K4/16(XMP)	4 x 4GB	15-17-17-39	1.35	•	•	•
<b>Hyper X</b>	HX430C15SB2K4/32(XMP)	4 x 8GB	15-17-17-39	1.35	•	•	•
<b>Hyper X</b>	HX430C15SBK2/16(XMP)	2 x 8GB	15-16-16-39	1.35	•	•	
<b>Hyper X</b>	HX430C16PBK4/64(XMP)	4 x 16GB	16-16-16-39	1.35	•	•	•
<b>Klevv</b>	IM44GU48A30-FGGHAZ(XMP)	4GB	15-15-16-36	1.35	•	•	
<b>Klevv</b>	IM44GU48A30-GIIHMC(XMP)	4GB	16-18-18-36	1.35	•	•	
<b>Klevv</b>	IM44GU48N30-FFFHAB(XMP)	4GB	15-15-16-36	1.2	•	•	
<b>Klevv</b>	IM48GU48A30-GIIHMC(XMP)	8GB	16-18-18-36	1.35	•	•	
<b>Klevv</b>	IM48GU88A30-FGGHMZ(XMP)	8GB	15-15-16-36	1.35	•	•	
<b>Klevv</b>	IM48GU88N30-FFFHMB(XMP)	8GB	15-15-16-36	1.2	•	•	
<b>Klevv</b>	IM4AGU88A30-FGGHMZ(XMP)	16GB	15-15-16-36	1.35	•	•	
<b>Klevv</b>	IM4AGU88N30-FFFHMB(XMP)	16GB	15-15-16-36	1.2	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DB2A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DB3A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DC2A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DC3A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DD2A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DD3A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD416E8-3000DH2A(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DB2A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DB3A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DC2A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DC3A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DD2A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DD3A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NFMUD480E8-3000DH2A(XMP)	8GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NMUD416E82-3000DB30(XMP)	16GB	15-17-17-35	-	•	•	
<b>NEO FORZA</b>	NMUD480E82-3000DB30(XMP)	8GB	15-17-17-35	-	•	•	
<b>PATRIOT</b>	PV416G300C6K	2 x 8GB	16-16-16-36	-	•	•	
<b>PATRIOT</b>	PV48G300C6K	2 x 4GB	16-16-16-36	1.35	•	•	
<b>Team</b>	TCD44G3000C16CBK(XMP)	4GB	16-18-18-38	1.35	•	•	
<b>Team</b>	TLRED416G3000HC16CQC01	4 x 4GB	16-18-18-38	1.35	•	•	
<b>Team</b>	TLGD416G3000HC16CQC01	4 x 4GB	16-18-18-38	1.35	•	•	
<b>Team</b>	TDRED416G3000HC16CQC01	4 x 4GB	16-18-18-38	1.35	•	•	
<b>Team</b>	TDGED416G3000HC16CQC01	4 x 4GB	16-18-18-38	1.35	•	•	
<b>Team</b>	TLRED48G3000HC16CDC01	2 x 4GB	16-18-18-38	1.35	•	•	

Team	TLGD48G3000HC16CDC01	2 x 4GB	16-18-18-38	1.35	•	•
Team	TDRED48G3000HC16CDC01	2 x 4GB	16-18-18-38	1.35	•	•
Team	TDGED48G3000HC16CDC01	2 x 4GB	16-18-18-38	1.35	•	•
Team	TFRD48G3000C16CBK(XMP)	8GB	16-18-18-38	1.35	•	•
Team	TLRED432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TLGD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDRED432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDGED432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDPRD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDPGD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	THRD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	THWD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	THBD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDTRD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDTRD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TDTBD432G3000HC16CQC01	4 x 8GB	16-18-18-38	1.35	•	•
Team	TLRED416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TLGD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDRED416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDGED416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDPRD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDPGD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	THRD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	THWD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	THBD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDTRD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDTRD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDTBD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TDTBD416G3000HC16CDC01	2 x 8GB	16-18-18-38	1.35	•	•
Team	TFWD416G3000C16CBK(XMP)	16GB	16-18-18-38	1.35	•	•
Team	TDPRD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	TDPGD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	THRD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	THWD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	THBD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	TDTRD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	TDTWD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	TDTBD464G3000HC16CQC01	4 x 16GB	16-18-18-38	1.35	•	•
Team	TDPRD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	TDPGD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	THRD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	THWD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	THBD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	TDTRD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	TDTWD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	TDTBD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
Team	TDTBD432G3000HC16CDC01	2 x 16GB	16-18-18-38	1.35	•	•
V-color	TL48G30S816RGB(XMP)	8GB	16-18-18-38	1.35	•	•

#### DDR4 2800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
ADATA	AX4U2800316G16(XMP)	16GB	16-16-16-36	1.2	•	•	
ADATA	AX4U2800316G16-SBF(XMP)	16GB	16-16-16-36	1.2	•	•	
ADATA	AX4U280038G17-SBF(XMP)	8GB	17-17-17-36	1.2	•	•	
ADATA	AX4U2800W4G17-BRZ(XMP)	4GB	17-17-17-36	1.2	•	•	
ADATA	AX4U2800W8G15(XMP)	8GB	15-16-16-35	1.25	•	•	
ADATA	AX4U2800W8G17-BRD(XMP)	8GB	17-17-17-36	1.2	•	•	
ADATA	AX4U2800W8G17-BRZ(XMP)	8GB	17-17-17-36	1.2	•	•	
Apacer	78.BAGM8.AF20B(XMP)	4 x 4GB	17-17-17-36	-	•	•	•
Apacer	78.CAGM8.AF30B(XMP)	4 x 8GB	17-17-17-36	-	•	•	•
Apacer	AHU08GGB28CET6H (EK.16GAW.KFAK2)	8GB	17-17-17-36	1.2	•	•	•
Apacer	AHU08GGB28CEU6H (EK.16GAW.GFAK2)	2 x 8GB	17-17-17-36	1.2	•	•	•
Apacer	AHU08GGB28CEU5H (EK.16GAW.GFBK2)	2 x 8GB	17-17-17-36	1.2	•	•	•
CORSAIR	CMD16GX4M4A2800C16(Ver4.23)(XMP)	4 x 4GB	16-18-18-36	1.2	•	•	•
CORSAIR	CMD16GX4M4A2800C16(Ver5.29)(XMP)	4 x 4GB	16-18-18-36	1.2	•	•	•
CORSAIR	CMD32GX4M4A2800C15(Ver5.29)(XMP)	4 x 8GB	15-17-17-36	1.2	•	•	•
CORSAIR	CMD32GX4M4A2800C16(Ver5.29)(XMP)	4 x 8GB	18-18-18-36	1.2	•	•	•
CORSAIR	CMK16GX4M4A2800C16(Ver4.23)(XMP)	4 x 4GB	16-16-18-36	1.2	•	•	•
CORSAIR	CMK16GX4M4A2800C16(Ver5.29)(XMP)	4 x 4GB	16-18-18-36	1.2	•	•	•
CORSAIR	CMK32GX4M4A2800C16(Ver5.29)(XMP)	4 x 8GB	16-18-18-36	1.2	•	•	•
CORSAIR	CMK64GX4M8B2800C14(Ver4.24)(XMP)	8 x 8GB	14-16-16-36	1.35	•	•	•
G.SKILL	F4-2800C14Q-64GVK(XMP)	4 x 16GB	14-14-14-35	1.35	•	•	
G.SKILL	F4-2800C15Q2-128GRKD(XMP)	8 x 16GB	15-15-15-35	1.35	•	•	
G.SKILL	F4-2800C15Q2-64GRK(XMP)	8 x 8GB	15-16-16-35	1.25	•	•	•
G.SKILL	F4-2800C16Q-16GRK(XMP)	4 x 4GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-16GRR(XMP)	4 x 4GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GRK(XMP)	4 x 8GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GRR(XMP)	4 x 8GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVR	4 x 8GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVB	4 x 8GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVK	4 x 8GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVG	4 x 8GB	16-16-16-36	1.2	•	•	•
G.SKILL	F4-2800C16Q-32GVS	4 x 8GB	16-16-16-36	1.2	•	•	•
GeIL	GPR416GB2800C16QC(XMP)	4 x 4GB	16-16-16-36	1.2	•	•	•
GeIL	GPR432GB2800C16QC(XMP)	4 x 8GB	16-16-16-36	1.2	•	•	•
Hyper X	HX428C14PBK8/64(XMP)	8 x 8GB	14-15-15-39	1.35	•	•	•
Hyper X	HX428C14SB2/4(XMP)	4GB	14-16-16-39	1.35	•	•	•
Hyper X	HX428C14SB2/8(XMP)	8GB	14-16-16-39	1.35	•	•	•
Hyper X	HX428C14SB2K2/16(XMP)	2 x 8GB	14-16-16-39	1.35	•	•	•
Hyper X	HX428C14SB2K2/8(XMP)	2 x 4GB	14-16-16-39	1.35	•	•	•
Hyper X	HX428C14SB2K4/16(XMP)	4 x 4GB	14-16-16-39	1.35	•	•	•
Hyper X	HX428C14SB2K4/32(XMP)	4 x 8GB	14-16-16-39	1.35	•	•	•
KINGMAX	GLMG42F-18KIIA-CJBR4(XMP)	8GB	17-17-17-39	1.2	•	•	
Klevv	IMA451U6MFR8N-DG0(Ver1.05)(XMP)	4GB	16-16-16-36	1.2	•	•	
NEO FORZA	NFMUD416E8-2800EB2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EB3A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EC2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EC3A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800ED2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD416E8-2800EH2A(XMP)	16GB	17-17-17-36	-	•	•	
NEO FORZA	NFMUD480E8-2800DB2A(XMP)	8GB	17-17-17-36	-	•	•	

<b>NEO FORZA</b>	NFMUD480E8-2800DB3A(XMP)	8GB	17-17-17-36	-	•	•
<b>NEO FORZA</b>	NFMUD480E8-2800DC2A(XMP)	8GB	17-17-17-36	-	•	•
<b>NEO FORZA</b>	NFMUD480E8-2800DC3A(XMP)	8GB	17-17-17-36	-	•	•
<b>NEO FORZA</b>	NFMUD480E8-2800DD2A(XMP)	8GB	17-17-17-36	-	•	•
<b>NEO FORZA</b>	NFMUD480E8-2800DD3A(XMP)	8GB	17-17-17-36	-	•	•
<b>NEO FORZA</b>	NFMUD480E8-2800DH2A(XMP)	8GB	17-17-17-36	-	•	•
<b>Team</b>	TCD44G2800C16CBK(XMP)	4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLRED416G2800HC16CQC01	4 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLGD416G2800HC16CQC01	4 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDRED416G2800HC16CQC01	4 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDGED416G2800HC16CQC01	4 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLRED48G2800HC16CDC01	2 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLGD48G2800HC16CDC01	2 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDRED48G2800HC16CDC01	2 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDGED48G2800HC16CDC01	2 x 4GB	16-18-18-38	1.2	•	•
<b>Team</b>	TFRD48G2800C16CBK(XMP)	8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLRED432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLGD432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDRED432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDGED432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	THRD432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	THWD432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	THBD432G2800HC16CQC01	4 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLRED416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TLGD416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDRED416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TDGED416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	THRD416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	THWD416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	THBD416G2800HC16CDC01	2 x 8GB	16-18-18-38	1.2	•	•
<b>Team</b>	TFWD416G2800C16CBK(XMP)	16GB	16-18-18-38	1.2	•	•

#### DDR4 2666 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
<b>ADATA</b>	AX4U266638G16-DRZ(XMP)	2 x 8GB	16-16-16-39	1.2	•	•	
<b>ADATA</b>	AX4U2666W4G16-BRZ(XMP)	4GB	16-16-16-39	1.2	•	•	
<b>ADATA</b>	AX4U2666W8G16-QRZ(XMP)	4 x 8GB	16-16-16-39	1.2	•	•	•
<b>CORSAIR</b>	CMD128GX4M8A2666C15(Ver4.31)(XMP)	8 x 16GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M2A2666C15(Ver4.23)(XMP)	2 x 8GB	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMD16GX4M4A2666C15(Ver4.23)(XMP)	4 x 4GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver4.23)(XMP)	4 x 4GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD16GX4M4A2666C16(Ver5.29)(XMP)	4 x 4GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver4.23)(XMP)	4 x 8GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C15(Ver5.29)(XMP)	4 x 8GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD32GX4M4A2666C16(Ver4.23)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMD64GX4M8A2666C15(Ver4.23)(XMP)	8 x 8GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD64GX4M8A2666C15(Ver4.24)(XMP)	8 x 8GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMD8GX4M2A2666C15(Ver4.23)(XMP)	2 x 4GB	15-17-17-35	1.2	•	•	
<b>CORSAIR</b>	CMK128GX4M8A2666C16(Ver5.39)(XMP)	8 x 16GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M2A2666C16(Ver5.29)(XMP)	2 x 8GB	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M2A2666C16(Ver5.30)(XMP)	2 x 8GB	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK16GX4M4A2666C15(Ver4.23)(XMP)	4 x 4GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2666C15(Ver5.29)(XMP)	4 x 4GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver3.21)(XMP)	4 x 4GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver4.23)(XMP)	4 x 4GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK16GX4M4A2666C16(Ver5.29)(XMP)	4 x 4GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M2A2666C16(Ver4.31)(XMP)	2 x 16GB	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK32GX4M2A2666C16R(Ver3.31)(XMP)	2 x 16GB	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver4.23)(XMP)	4 x 8GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C15(Ver5.29)(XMP)	4 x 8GB	15-17-17-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver3.20)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver3.21)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.29)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16(Ver5.30)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK32GX4M4A2666C16R(Ver4.23)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M4A2666C16(Ver3.31)(XMP)	4 x 16GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMK64GX4M4A2666C16(Ver4.31)(XMP)	4 x 16GB	16-18-18-35	1.2	•	•	•
<b>CORSAIR</b>	CMR16GX4M2A2666C16(Ver5.30)(XMP)	2 x 8GB	16-18-18-35	1.2	•	•	
<b>CORSAIR</b>	CMU32GX4M4A2666C16(Ver5.30)(XMP)	4 x 8GB	16-18-18-35	1.2	•	•	•
<b>crucial</b>	BLE4G4D26AFEA.8FAD(XMP)	4GB	16-17-17-36	1.2	•	•	
<b>crucial</b>	BLE8G4D26AFEA.16FAD(XMP)	8GB	16-17-17-36	1.2	•	•	
<b>crucial</b>	BLS16G4D26BFSC.16FBD(XMP)	16GB	16-18-18-38	1.2	•	•	
<b>crucial</b>	BLS4G4D26BFSC.8FBR2(XMP)	4GB	16-18-18-38	1.2	•	•	
<b>crucial</b>	BLS8G4D26BFSC.16FBR2(XMP)	8GB	16-18-18-38	1.2	•	•	
<b>crucial</b>	BLT4G4D26AFTA.8FADG(XMP)	4 x 4GB	16-17-17-36	1.2	•	•	•
<b>crucial</b>	BLT4G4D26AFTA.8FADG(XMP)	4GB	16-17-17-36	1.2	•	•	
<b>crucial</b>	BLT8G4D26AFTA.16FAD(XMP)	4 x 8GB	16-17-17-36	1.2	•	•	•
<b>crucial</b>	BLT8G4D26AFTA.16FAD(XMP)	8GB	16-17-17-36	1.2	•	•	
<b>G.SKILL</b>	F4-2666C15Q-16GRR(XMP)	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GVR	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GVB	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GVG	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GVK	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GVS	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GRK	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-16GRB	4 x 4GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GRR(XMP)	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GVR	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GVB	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GVG	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GVK	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GVS	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GRK	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C15Q-32GRB	4 x 8GB	15-15-15-35	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C16Q2-128GVK(XMP)	8 x 16GB	16-16-16-36	1.2	•	•	•
<b>G.SKILL</b>	F4-2666C16Q2-128GVR	8 x 16GB	16-16-16-36	1.2	•	•	•
<b>Hyper X</b>	HX426C13PB3/16(XMP)	16GB	13-15-15-35	1.35	•	•	•
<b>Hyper X</b>	HX426C13PB3K2/32(XMP)	2 x 16GB	13-15-15-35	1.35	•	•	•
<b>Hyper X</b>	HX426C13PB3K4/64(XMP)	4 x 16GB	13-15-15-35	1.35	•	•	•
<b>Hyper X</b>	HX426C13SB2/4(XMP)	4GB	13-15-15-39	1.35	•	•	
<b>Hyper X</b>	HX426C13SB2/8(XMP)	8GB	13-15-15-39	1.35	•	•	



Hyper X	HX426C13SB2K2/16(XMP)	2 x 8GB	13-15-15-39	1.35	•	•
Hyper X	HX426C13SB2K2/8(XMP)	2 x 4GB	13-15-15-39	1.35	•	•
Hyper X	HX426C13SB2K4/16(XMP)	4 x 4GB	13-15-15-39	1.35	•	•
Hyper X	HX426C13SB2K4/32(XMP)	4 x 8GB	13-15-15-39	1.35	•	•
Hyper X	HX426C15FB/4	4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FB/8	8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK2/16	2 x 8GB	15-15-17-35	1.2	•	•
Hyper X	HX426C15FBK2/16	2 x 8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK2/8	2 x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/16	4 x 4GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15FBK4/32	4 x 8GB	15-15-17-35	1.2	•	•
Hyper X	HX426C15FBK4/32	4 x 8GB	15-17-17-35	1.2	•	•
Hyper X	HX426C15SBK4/64(XMP)	4 x 16GB	15-15-15-35	1.2	•	•
Hyper X	HX426C16FB/16	16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FB2/8(XMP)	8GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FB2K2/16(XMP)	2 x 8GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FB2K4/32(XMP)	4 x 8GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FBK2/32	2 x 16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FBK4/64	4 x 16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FBK4/64	4 x 16GB	16-18-18-39	-	•	•
Hyper X	HX426C16FW/16	16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FWK2/32	2 x 16GB	16-18-18-39	1.2	•	•
Hyper X	HX426C16FWK4/64	4 x 16GB	16-18-18-39	1.2	•	•
Kingston	KVR26N19D8/16	16GB	19-19-19-43	1.2	•	•
Kingston	KVR26N19S8/8	8GB	19-19-19-43	1.2	•	•
Klevv	IM44GU48N26-FFFHAZ(XMP)	4GB	15-15-15-35	1.2	•	•
Klevv	KM4Z4GX1N-2666-15-15-15-35-1	4GB	15-15-15-35	1.2	•	•
Klevv	KM4Z4GX2N-2666-15-15-15-35-1	4GB	15-15-15-35	1.2	•	•
Klevv	KM4Z4GX4N-2666-15-15-15-35-1	4GB	15-15-15-35	1.2	•	•
Klevv	IM48GU88N26-FFFHMZ(XMP)	8GB	15-15-15-35	1.2	•	•
Klevv	KM4Z8GX1N-2666-15-15-15-35-1	8GB	15-15-15-35	1.2	•	•
Klevv	IM4AGU88N26-FFFHMZ(XMP)	16GB	15-15-15-35	1.2	•	•
Klevv	KM4Z16X1N-2666-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•
Klevv	KM4Z16X2N-2666-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•
Klevv	KM4Z16X4N-2666-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•
Klevv	KM4C4GX4N-2666-15-15-15-35-0 (XMP)	4GB	15-15-15-35	1.2	•	•
Klevv	KM4C4GX4N-2666-15-15-15-35-1 (XMP)	4GB	15-15-15-35	1.2	•	•
Klevv	KM4C8GX4N-2666-15-15-15-35-0 (XMP)	8GB	15-15-15-35	1.2	•	•
Klevv	KM4C8GX4N-2666-15-15-15-35-1 (XMP)	8GB	15-15-15-35	1.2	•	•
Micron	MTA16ATF2G64AZ-2G6H1	16GB	19-19-19-43	-	•	•
Micron	MTA8ATF1G64AZ-2G6H1	8GB	19-19-19-43	-	•	•
Team	TCD44G2666C15BBK(XMP)	4GB	15-17-17-35	1.2	•	•
Team	TLRED416G2666HC15BQC01	4 x 4GB	15-17-17-35	1.2	•	•
Team	TLGD416G2666HC15BQC01	4 x 4GB	15-17-17-35	1.2	•	•
Team	TDRED416G2666HC15BQC01	4 x 4GB	15-17-17-35	1.2	•	•
Team	TGDED416G2666HC15BQC01	4 x 4GB	15-17-17-35	1.2	•	•
Team	TLRED48G2666HC15BDC01	2 x 4GB	15-17-17-35	1.2	•	•
Team	TLGD48G2666HC15BDC01	2 x 4GB	15-17-17-35	1.2	•	•
Team	TDRED48G2666HC15BDC01	2 x 4GB	15-17-17-35	1.2	•	•
Team	TGDED48G2666HC15BDC01	2 x 4GB	15-17-17-35	1.2	•	•
Team	TFRD416G2666C15BBK(XMP)	16GB	15-17-17-35	1.2	•	•
Team	THRD464G2666HC15BQC01	4 x 16GB	15-17-17-35	1.2	•	•
Team	THWD464G2666HC15BQC01	4 x 16GB	15-17-17-35	1.2	•	•
Team	THBD464G2666HC15BQC01	4 x 16GB	15-17-17-35	1.2	•	•
Team	THRD432G2666HC15BDC01	2 x 16GB	15-17-17-35	1.2	•	•
Team	THWD432G2666HC15BDC01	2 x 16GB	15-17-17-35	1.2	•	•
Team	THBD432G2666HC15BDC01	2 x 16GB	15-17-17-35	1.2	•	•
Team	TFWD48G2666C15BBK(XMP)	8GB	15-17-17-35	1.2	•	•
Team	TLRED432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	TLGD432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	TDRED432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	TGDED432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	THRD432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	THWD432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	THBD432G2666HC15BQC01	4 x 8GB	15-17-17-35	1.2	•	•
Team	TLRED416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•
Team	TLGD416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•
Team	TDRED416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•
Team	TGDED416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•
Team	THRD416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•
Team	THWD416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•
Team	THBD416G2666HC15BDC01	2 x 8GB	15-17-17-35	1.2	•	•

#### DDR4 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
ADATA	AD4U2400W4G17-B	4GB	15-15-15-35	1.2	•	•	
ADATA	AD4U2400W8G17-B	8GB	15-15-15-35	1.2	•	•	
ADATA	AX4U2400316G16-DRD(XMP)	16GB	16-16-16-39	1.2	•	•	
ADATA	AX4U2400316G16-SBF(XMP)	16GB	16-16-16-36	1.2	•	•	
ADATA	AX4U240038G16-BRS-R(XMP)	8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U240038G16-SBF(XMP)	8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U2400W8G16-BRZ(XMP)	8GB	16-16-16-39	1.2	•	•	
ADATA	AX4U2400W8G16-DRD(XMP)	8GB	16-16-16-39	1.2	•	•	
Apacer	78.B1GMS.4050B	4 x 4GB	17-17-17-39	-	•	•	
Apacer	78.C1GMS.4010B	4 x 8GB	17-17-17-39	-	•	•	•
Apacer	EK.08G2T.GEC(XMP)	8GB	16-16-16-36	-	•	•	
Apacer	AU08GGB24CEYBGC (EL.08G2T.GFM)	8GB	17-17-17-39	1.2	•	•	
Apacer	AHU08GGB24CDT7G (EK.08G2T.KEC)	8GB	16-16-16-36	1.2	•	•	
Apacer	AHU08GGB24CDU7G (EK.08G2T.GEC)	8GB	16-16-16-36	1.2	•	•	
Apacer	AHU08GGB24CDU6H (EK.16GAT.GEAK2)	2 x 8GB	16-16-16-36	1.2	•	•	
Apacer	AHU08GGB24CDU5H (EK.16GAT.GEBK2)	2 x 8GB	16-16-16-36	1.2	•	•	
CORSAIR	CMD16GX4M4A2400C14(Ver4.23)(XMP)	4 x 4GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMD32GX4M4A2400C14(Ver4.23)(XMP)	4 x 8GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK128GX4M8A2400C14(Ver5.30)(XMP)	8 x 16GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK16GX4M2A2400C16(Ver3.31)(XMP)	2 x 8GB	16-16-16-39	1.2	•	•	
CORSAIR	CMK16GX4M2Z2400C16(Ver3.31)	2 x 8GB	16-16-16-39	1.2	•	•	

CORSAIR	CMK16GX4M4A2400C14(Ver4.23)(XMP)	4 x 4GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C14(Ver4.23)(XMP)	4 x 8GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK32GX4M4A2400C16(Ver3.31)(XMP)	4 x 8GB	16-16-16-39	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C14(Ver3.31)(XMP)	4 x 16GB	14-16-16-31	1.2	•	•	•
CORSAIR	CMK64GX4M4A2400C14(Ver4.31)(XMP)	4 x 16GB	14-16-16-31	1.2	•	•	•
crucial	BLS16G4D240FSB.16FBD(XMP)	16GB	16-16-16-39	1.2	•	•	•
crucial	BLS4G4D240FSB.8FBD(XMP)	4GB	16-16-16-39	1.2	•	•	•
crucial	BLS8G4D240FSBK.8FBD(XMP)	8GB	16-16-16-39	1.2	•	•	•
crucial	CT16G4DFD824A.16FB1	16GB	17-17-17-39	1.2	•	•	•
crucial	CT16G4DFD824A.C16FDR1	16GB	17-17-17-39	1.2	•	•	•
crucial	CT8G4DFS824A.8FB1	8GB	17-17-17-39	1.2	•	•	•
G.SKILL	F4-2400C14Q2-128GRK(XMP)	8 x 16GB	14-14-14-34	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GRR(XMP)	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GVR	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GVB	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GVG	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GVK	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GVS	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GRK	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-16GRB	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GRK(XMP)	8 x 16GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GVK(XMP)	8 x 16GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-128GVR	8 x 16GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q2-64GRK(XMP)	8 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GRR(XMP)	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GVR	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GVB	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GVG	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GVK	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GVS	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GRK	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2400C15Q-32GRB	4 x 8GB	15-15-15-35	1.2	•	•	•
GeIL	GFR416GB2400C16S(XMP)	16GB	16-16-16-36	1.2	•	•	•
GeIL	GFR432GB2400C16D(XMP)	16GB	16-16-16-36	1.2	•	•	•
GeIL	GLR464GB2400C14QC(XMP)	4 x 16GB	14-14-14-35	1.2	•	•	•
GeIL	GPR416GB2400C15QC(XMP)	4 x 4GB	15-15-15-35	1.2	•	•	•
GeIL	GPR432GB2400C15QC(XMP)	4 x 8GB	15-15-15-35	1.2	•	•	•
GeIL	GPR432GB2400C16QC(XMP)	4 x 8GB	16-16-16-36	1.2	•	•	•
Hyper X	HX424C12PB2K4/16(XMP)	4 x 4GB	12-13-13-35	1.2	•	•	•
Hyper X	HX424C12SB2/4(XMP)	4GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C12SB2/8(XMP)	8GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C12SB2K2/16(XMP)	2 x 8GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C12SB2K2/16(XMP)	2 x 8GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C12SB2K4/16(XMP)	4 x 4GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C12SB2K4/32(XMP)	4 x 8GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C12SB2K4/32(XMP)	4 x 8GB	12-14-14-35	1.35	•	•	•
Hyper X	HX424C15B2K4/32(XMP)	4 x 8GB	15-15-15-35	1.2	•	•	•
Hyper X	HX424C15FB/4	4GB	15-15-5-35	1.2	•	•	•
Hyper X	HX424C15FB/8(XMP)	8GB	15-15-15-35	1.2	•	•	•
Hyper X	HX424C15FB/8(XMP)	8GB	15-15-15-35	1.2	•	•	•
Hyper X	HX424C15FBK2/16	2 x 16GB	15-15-15-35	1.2	•	•	•
Hyper X	HX424C15FBK2/8	2 x 4GB	15-15-5-35	1.2	•	•	•
Hyper X	HX424C15FBK4/16	4 x 4GB	15-15-5-35	1.2	•	•	•
Hyper X	HX424C15FBK4/16	4 x 4GB	15-15-15-35	1.2	•	•	•
Hyper X	HX424C15FBK4/32	4 x 8GB	15-15-15-35	1.2	•	•	•
Hyper X	HX424C15FBK4/64	4 x 16GB	15-15-15-35	1.2	•	•	•
J&A	AD4U24001716-16M	16GB	17-17-17-39	-	•	•	•
J&A	JAD4U24001708-04M	4GB	17-17-17-39	-	•	•	•
J&A	JAD4U24001708-08M	8GB	17-17-17-39	-	•	•	•
KINGMAX	GLLF62F-DAKZIG-CLBU	4GB	17-17-17-39	-	•	•	•
KINGMAX	GLLH22F-18KIIA-CFBU2	16GB	17-17-17-39	-	•	•	•
Kingston	KVR24N17D8/16	16GB	17-17-17-39	1.2	•	•	•
Kingston	KVR24N17D8/8	8GB	17-17-17-39	1.2	•	•	•
Kingston	KVR24N17S8/4	4GB	17-17-17-39	1.2	•	•	•
Kingston	KVR24N17S8/8	8GB	17-17-17-39	1.2	•	•	•
Klevv	IM44GU48N24-FFFHAB(XMP)	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B4GX1N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B4GX2N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B4GX4N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	IM44GU48N24-FFFHAZ(XMP)	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z4GX1N-2400-15-15-15-35-1	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z4GX2N-2400-15-15-15-35-1	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z4GX4N-2400-15-15-15-35-1	4GB	15-15-15-35	1.2	•	•	•
Klevv	IM48GU88N24-FFFHMB(XMP)	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B8GX1N-2400-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B8GX2N-2400-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B8GX4N-2400-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	IM48GU88N24-FFFHMZ(XMP)	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z8GX1N-2400-15-15-15-35-1	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z8GX2N-2400-15-15-15-35-1	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z8GX4N-2400-15-15-15-35-1	8GB	15-15-15-35	1.2	•	•	•
Klevv	IM4AGU88N24-FFFHMB(XMP)	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B16X1N-2133-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B16X2N-2133-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	IM4AGU88N24-FFFHMZ(XMP)	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z16X1N-2400-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z16X2N-2400-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4Z16X4N-2400-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Micron	MTA16ATF2G64AZ-2G3B1	16GB	17-17-17-39	1.2	•	•	•
Micron	MTA8ATF1G64AZ-2G3B1	8GB	17-17-17-39	1.2	•	•	•
panram	W4U2400PS-8G	8GB	14-14-14-31	-	•	•	•
PATRIOT	PSD416G24002	16GB	17-17-17-39	1.2	•	•	•
PATRIOT	PSD44G240081	4GB	16-16-16-39	1.2	•	•	•
PATRIOT	PSD48G240081	8GB	17-17-17-39	1.2	•	•	•
PATRIOT	PSD48G240082	8GB	17-17-17-39	1.2	•	•	•
PATRIOT	PV432G240C5QK(XMP)	4 x 8GB	15-15-15-35	1.2	•	•	•
PATRIOT	PVE416G240C5KRD(XMP)	2 x 8GB	15-15-15-35	-	•	•	•
PATRIOT	PVE48G240C5KRD(XMP)	2 x 4GB	15-15-15-35	-	•	•	•
SK Hynix	HMA81GU6AFR8N-UH	8GB	17-17-17-39	-	•	•	•
SK Hynix	HMA82GU6AFR8N-UH	16GB	17-17-17-39	-	•	•	•
SK Hynix	HMA851U6AFR6N-UH	4GB	17-17-17-39	-	•	•	•

Team	TCD44G2400C14BK(XMP)	4GB	14-16-16-31	1.2	•	•
Team	TLRED416G2400HC14QC01	4 x 4GB	14-16-16-31	1.2	•	•
Team	TLGD416G2400HC14QC01	4 x 4GB	14-16-16-31	1.2	•	•
Team	TDRED416G2400HC14QC01	4 x 4GB	14-16-16-31	1.2	•	•
Team	TDGED416G2400HC14QC01	4 x 4GB	14-16-16-31	1.2	•	•
Team	TLRED48G2400HC14DC01	2 x 4GB	14-16-16-31	1.2	•	•
Team	TLGD48G2400HC14DC01	2 x 4GB	14-16-16-31	1.2	•	•
Team	TDRED48G2400HC14DC01	2 x 4GB	14-16-16-31	1.2	•	•
Team	TDGED48G2400HC14DC01	2 x 4GB	14-16-16-31	1.2	•	•
Team	TCD48G2400C14BK(XMP)	8GB	14-16-16-31	1.2	•	•
Team	TLRED432G2400HC14QC01	4 x 8GB	14-16-16-31	1.2	•	•
Team	TLGD432G2400HC14QC01	4 x 8GB	14-16-16-31	1.2	•	•
Team	TDRED432G2400HC14QC01	4 x 8GB	14-16-16-31	1.2	•	•
Team	TDGED432G2400HC14QC01	4 x 8GB	14-16-16-31	1.2	•	•
Team	TLRED416G2400HC14DC01	2 x 8GB	14-16-16-31	1.2	•	•
Team	TLGD416G2400HC14DC01	2 x 8GB	14-16-16-31	1.2	•	•
Team	TDRED416G2400HC14DC01	2 x 8GB	14-16-16-31	1.2	•	•
Team	TDGED416G2400HC14DC01	2 x 8GB	14-16-16-31	1.2	•	•
Team	TED416G2400C16BK	16GB	16-16-16-39	1.2	•	•
Team	TED464G2400C16QC01	4 x 16GB	16-16-16-39	1.2	•	•
Team	TPRD464G2400HC16QC01	4 x 16GB	16-16-16-39	1.2	•	•
Team	TPD464G2400HC16QC01	4 x 16GB	16-16-16-39	1.2	•	•
Team	TED432G2400C16DC01	2 x 16GB	16-16-16-39	1.2	•	•
Team	TPRD432G2400HC16DC01	2 x 16GB	16-16-16-39	1.2	•	•
Team	TPD432G2400HC16DC01	2 x 16GB	16-16-16-39	1.2	•	•
Team	TED416G2400C1601	16GB	16-16-16-39	1.2	•	•
Team	TPRD416G2400HC1601	16GB	16-16-16-39	1.2	•	•
Team	TPD416G2400HC1601	16GB	16-16-16-39	1.2	•	•
Team	TED48G2400C16BK	8GB	16-16-16-39	1.2	•	•
Team	TED432G2400C16QC01	4 x 8GB	16-16-16-39	1.2	•	•
Team	TPRD432G2400HC16QC01	4 x 8GB	16-16-16-39	1.2	•	•
Team	TPD432G2400HC16QC01	4 x 8GB	16-16-16-39	1.2	•	•
Team	TED416G2400C16DC01	2 x 8GB	16-16-16-39	1.2	•	•
Team	TPRD416G2400HC16DC01	2 x 8GB	16-16-16-39	1.2	•	•
Team	TPD416G2400HC16DC01	2 x 8GB	16-16-16-39	1.2	•	•
Team	TED48G2400C1601	8GB	16-16-16-39	1.2	•	•
Team	TPRD48G2400HC1601	8GB	16-16-16-39	1.2	•	•
Team	TPD48G2400HC1601	8GB	16-16-16-39	1.2	•	•
Team	TFRD44G2400C15ABK(XMP)	4GB	15-15-15-35	1.2	•	•
Team	TDTRD416G2400HC15AQC01	4 x 4GB	15-15-15-35	1.2	•	•
Team	TDTWD416G2400HC15AQC01	4 x 4GB	15-15-15-35	1.2	•	•
Team	TDTBD416G2400HC15AQC01	4 x 4GB	15-15-15-35	1.2	•	•
Team	TDTRD48G2400HC15ADC01	2 x 4GB	15-15-15-35	1.2	•	•
Team	TDTWD48G2400HC15ADC01	2 x 4GB	15-15-15-35	1.2	•	•
Team	TDTBD48G2400HC15ADC01	2 x 4GB	15-15-15-35	1.2	•	•
Team	TDTRD44G2400HC15A01	4GB	15-15-15-35	1.2	•	•
Team	TDTWD44G2400HC15A01	4GB	15-15-15-35	1.2	•	•
Team	TDTBD44G2400HC15A01	4GB	15-15-15-35	1.2	•	•
Team	TFRD48G2400C15ABK(XMP)	8GB	15-15-15-35	1.2	•	•
Team	TDTRD432G2400HC15AQC01	4 x 8GB	15-15-15-35	1.2	•	•
Team	TDTWD432G2400HC15AQC01	4 x 8GB	15-15-15-35	1.2	•	•
Team	TDTBD432G2400HC15AQC01	4 x 8GB	15-15-15-35	1.2	•	•
Team	TDTRD416G2400HC15ADC01	2 x 8GB	15-15-15-35	1.2	•	•
Team	TDTWD416G2400HC15ADC01	2 x 8GB	15-15-15-35	1.2	•	•
Team	TDTBD416G2400HC15ADC01	2 x 8GB	15-15-15-35	1.2	•	•
Team	TDTRD48G2400HC15A01	8GB	15-15-15-35	1.2	•	•
Team	TDTWD48G2400HC15A01	8GB	15-15-15-35	1.2	•	•
Team	TDTBD48G2400HC15A01	8GB	15-15-15-35	1.2	•	•
Team	TFWD416G2400C15BBK(XMP)	16GB	15-17-17-35	1.2	•	•
Team	TDTRD464G2400HC15BQC01	4 x 16GB	15-17-17-35	1.2	•	•
Team	TDTWD464G2400HC15BQC01	4 x 16GB	15-17-17-35	1.2	•	•
Team	TDTBD464G2400HC15BQC01	4 x 16GB	15-17-17-35	1.2	•	•
Team	TDTRD432G2400HC15BDC01	2 x 16GB	15-17-17-35	1.2	•	•
Team	TDTWD432G2400HC15BDC01	2 x 16GB	15-17-17-35	1.2	•	•
Team	TDTBD432G2400HC15BDC01	2 x 16GB	15-17-17-35	1.2	•	•
Team	TDTRD416G2400HC15B01	16GB	15-17-17-35	1.2	•	•
Team	TDTWD416G2400HC15B01	16GB	15-17-17-35	1.2	•	•
Team	TDTBD416G2400HC15B01	16GB	15-17-17-35	1.2	•	•
V-color	TC48G24S817-IMS	8GB	17-17-17-39	1.2	•	•
V-color	TD4G8C17-UH	4GB	15-15-15-36	1.2	•	•
V-color	TD8G16C17-UH	8GB	17-17-17-39	1.2	•	•

#### DDR4 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	Timing	Voltage	DIMM socket support (Optional)		
					1 DIMM	2 DIMM	4 DIMM
Apacer	78.B1GM3.AF00B	4 x 4GB	15-15-15-36	1.2	•	•	•
Apacer	78.C1GM3.AF10B	4 x 8GB	15-15-15-36	1.2	•	•	•
Apacer	AHU08GGB13CGT7G (EK.08G2R.KDC)	4 x 8GB	15-15-15-36	1.2	•	•	•
Apacer	AHU08GGB13CGU7G (EK.08G2R.GDC)	8GB	15-15-15-36	1.2	•	•	•
Apacer	AU08GGB13CDYBGC (EL.08G2R.GDM)	8GB	15-15-15-36	1.2	•	•	•
CENTURY MICRO INC	CD8G-D4U2133	8GB	15-15-15-36	-	•	•	•
CENTURY MICRO INC	CK8GX4-D4U2133	4 x 8GB	15-15-15-35	1.2	•	•	•
CORSAIR	CMD16GX4M4B2133C10(Ver3.20)(XMP)	4 x 4GB	10-12-12-31	1.35	•	•	•
CORSAIR	CMD16GX4M4B2133C10(Ver3.20)(XMP)	4 x 4GB	10-12-12-31	1.35	•	•	•
CORSAIR	CMK16GX4M4A2133C13(Ver4.23)(XMP)	4 x 4GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M2A2133C13(Ver4.31)(XMP)	2 x 16GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C13(Ver4.23)(XMP)	4 x 8GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C15(Ver3.20)	4 x 8GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK32GX4M4A2133C15(Ver5.29)	4 x 8GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMK64GX4M8A2133C13(Ver3.20)(XMP)	8 x 8GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMK64GX4M8A2133C13(Ver4.23)(XMP)	8 x 8GB	13-15-15-28	1.2	•	•	•
CORSAIR	CMV16GX4M1A2133C15	16GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMV16GX4M1A2133C15	16GB	15-15-15-36	-	•	•	•

CORSAIR	CMV4GX4M1A2133C15	4GB	15-15-15-36	1.2	•	•	•
CORSAIR	CMV8GX4M1A2133C15	8GB	15-15-15-36	1.2	•	•	•
crucial	CT16G4DFS8213.16FB1	16GB	15-15-15-36	1.2	•	•	•
crucial	CT4G4DFS8213.8FA2	4GB	15-15-15-36	1.2	•	•	•
crucial	CT4G4DFS8213.8FB1	4GB	15-15-15-36	1.2	•	•	•
crucial	CT8G4DFS8213.16FA1	8GB	15-15-15-37	1.2	•	•	•
crucial	CT8G4DFS8213.8FB1	8GB	15-15-15-36	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GRR	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GVR	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GVB	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GVG	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GVK	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GVS	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GRK	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-16GRB	4 x 4GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q2-128GVK	8 x 16GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q2-128GVR	8 x 16GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q2-64GRR	8 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q2-64GRB	8 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GRR	4 x 8GB	15-15-15-35	-	•	•	•
G.SKILL	F4-2133C15Q-32GVR	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GVB	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GVG	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GVK	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GVS	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GRK	4 x 8GB	15-15-15-35	1.2	•	•	•
G.SKILL	F4-2133C15Q-32GRB	4 x 8GB	15-15-15-35	1.2	•	•	•
GelL	GPR416GB2133C15QC	4 x 4GB	15-15-15-36	1.2	•	•	•
GelL	GPR432GB2133C15QC	4 x 8GB	15-15-15-36	1.2	•	•	•
Hyper X	HX421C13SB/4(XMP)	4GB	13-13-13-36	1.2	•	•	•
Hyper X	HX421C13SB/8(XMP)	8GB	13-13-13-36	1.2	•	•	•
Hyper X	HX421C13SBK2/16(XMP)	2 x 8GB	13-13-13-36	1.2	•	•	•
Hyper X	HX421C13SBK2/8(XMP)	2 x 4GB	13-13-13-36	1.2	•	•	•
Hyper X	HX421C13SBK4/16(XMP)	4 x 4GB	13-13-13-36	1.2	•	•	•
Hyper X	HX421C13SBK4/32(XMP)	4 x 8GB	13-13-13-36	1.2	•	•	•
Hyper X	HX421C14FB/4	4GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FB/8	8GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FB2K4/32(XMP)	4 x 8GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK2/16	2 x 8GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK2/8	2 x 4GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK4/16	4 x 4GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK4/32	4 x 8GB	14-14-14-35	1.2	•	•	•
Hyper X	HX421C14FBK4/64	4 x 16GB	15-15-15-35	1.2	•	•	•
Hyper X	HX421C14FBK8/64	8 x 8GB	14-14-14-35	1.2	•	•	•
Kingston	KVR21N15D8/16	16GB	15-15-15-36	1.2	•	•	•
Kingston	KVR21N15D8/8	8GB	15-15-15-36	1.2	•	•	•
Kingston	KVR21N15D8/8	8GB	15-15-15-37	1.2	•	•	•
Kingston	KVR21N15S8/4	4GB	15-15-15-36	1.2	•	•	•
Kingston	KVR21N15S8/4	4GB	15-15-15-37	1.2	•	•	•
Klevv	IM44GU48N21-FFFHAB(XMP)	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B4GX1N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B4GX2N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B4GX4N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	IM48GU88N21-FFFHMB(XMP)	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B8GX1N-2133-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B8GX2N-2133-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B8GX4N-2133-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	IM4AGU88N21-FFFHMB(XMP)	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B16X1N-2133-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B16X2N-2133-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4B16X4N-2133-15-15-15-35-0	16GB	15-15-15-35	1.2	•	•	•
Klevv	KM4C4GX4N-2133-15-15-15-35-0	4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4C4GX4N-2133-15-15-15-35-1	4 x 4GB	15-15-15-35	1.2	•	•	•
Klevv	KM4C8GX4N-2133-15-15-15-35-0	8GB	15-15-15-35	1.2	•	•	•
Klevv	KM4C8GX4N-2133-15-15-15-35-1	4 x 8GB	15-15-15-35	1.2	•	•	•
Micron	MTA16ATF1G64AZ-2G1A1	8GB	15-15-15-37	1.2	•	•	•
Micron	MTA16ATF2G64AZ-2G1B1	16GB	15-15-15-36	1.2	•	•	•
Micron	MTA8ATF1G64AZ-2G1B1	8GB	15-15-15-36	1.2	•	•	•
Micron	MTA8ATF51264AZ-2G1A2	4GB	15-15-15-36	-	•	•	•
panram	W4U2133PS-8G	8GB	16-16-16-36	-	•	•	•
SanMax	SMD-4G28HP-21P	4GB	15-15-15-37	-	•	•	•
SanMax	SMD-8G28HP-21P	8GB	15-15-15-37	-	•	•	•
Silicon Power	SP004GBLFU213N01	4GB	15-15-15-37	-	•	•	•
Silicon Power	SP008GBLFU213N01	8GB	15-15-15-37	-	•	•	•
SK Hynix	HMA41GU6MFR8N-TF	8GB	15-15-15-37	1.2	•	•	•
SK Hynix	HMA41GU7AFR8N-TF	8GB	15-15-15-36	-	•	•	•
SK Hynix	HMA451U7AFR8N-TF	4GB	15-15-15-36	-	•	•	•
SK Hynix	HMA82GU6MFR8N-TF	16GB	15-15-15-36	-	•	•	•
SK Hynix	HMA82GU7MFR8N-TF	16GB	15-15-15-36	-	•	•	•
SUPER TALENT	FBU2B008GM	8GB	15-15-15-36	1.2	•	•	•
Team	TED416G2133C15BK	16GB	15-15-15-36	1.2	•	•	•
Team	TED464G2133C15QC01	4 x 16GB	15-15-15-36	1.2	•	•	•
Team	TPRD464G2133HC15QC01	4 x 16GB	15-15-15-36	1.2	•	•	•
Team	TPD464G2133HC15QC01	4 x 16GB	15-15-15-36	1.2	•	•	•
Team	TED432G2133C15DC01	2 x 16GB	15-15-15-36	1.2	•	•	•
Team	TPRD432G2133HC15DC01	2 x 16GB	15-15-15-36	1.2	•	•	•
Team	TPD432G2133HC15DC01	2 x 16GB	15-15-15-36	1.2	•	•	•
Team	TED44GM2133C15ABK	4GB	15-15-15-36	1.2	•	•	•
Team	TED48GM2133C15BK	8GB	15-15-15-36	1.2	•	•	•
Team	TED432G2133C15QC01	4 x 8GB	15-15-15-36	1.2	•	•	•
Team	TPRD432G2133HC15QC01	4 x 8GB	15-15-15-36	1.2	•	•	•
Team	TPD432G2133HC15QC01	4 x 8GB	15-15-15-36	1.2	•	•	•
Team	TED416G2133C15DC01	2 x 8GB	15-15-15-36	1.2	•	•	•
Team	TPRD416G2133HC15DC01	2 x 8GB	15-15-15-36	1.2	•	•	•
Team	TPD416G2133HC15DC01	2 x 8GB	15-15-15-36	1.2	•	•	•
UMAX	84G44G93MC-21OMCALGF15	4GB	15-15-15-36	-	•	•	•
UMAX	84G48G93MC-21OMCGNGF15	8GB	15-15-15-36	-	•	•	•
V-color	TC48G21S815-IMS	8GB	15-15-15-36	1.2	•	•	•