Memory Configuration for Supermicro X14SXX/X14DXX/ B14SBX/B14DBX Series Motherboards

based on

The Intel® Xeon® 6700/6500-Series Processors with P-cores or The Intel® Xeon® 6700-Series Processors E-cores

USER'S GUIDE

Revision 1.0a

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Memory Support for the X14/B14 Series Motherboards

This document provides the user with an easy-to-use guide for proper memory configuration and installation for the X14/B14 series motherboards utilizing RDIMM/3DS RDIMM DDR5 (288-pin) ECC memory with speeds up to 6400 MT/s (1DPC) or 5200 MT/s (2DPC) memory modules. Additionally, the Intel® Xeon® 6700/6500-series processors with P-cores supports MRDIMM DDR5 memory modules with speed up to 8000 MT/s (1DPC).

Note: This memory configuration user's guide is written for Supermicro X14/B14 motherboards based on the Intel® Xeon® 6700/6500-series processors with P-cores or Intel® Xeon® 6700-series processors with E-cores.

To ensure proper memory installation, please carefully follow the information and instructions provided in this user's guide.

1. ESD Precautions

Electrostatic Discharge (ESD) can damage electronic components including memory modules. To avoid damaging your DIMM modules, it is important to handle them carefully. The following measures are generally sufficient to protect your equipment from ESD.

Precautions

- Use a grounded wrist strap designed to prevent static discharge.
- Handle the memory module by its edges only.
- Put the memory modules into the antistatic bags when not in use.
- Check the Supermicro website for recommended memory modules.

2. Memory Installation Sequence

To maximize memory capacity, the rule of thumb is to populate all DIMM slots available on the motherboard, including all blue slots and black slots.

Memory modules for the X14/B14 Series motherboards are populated using the "Fill First" method. The blue memory slot of each channel is considered the "first DIMM module" of the channel, and the black memory slot, the second module of the channel. When installing memory modules, be sure to populate the blue memory slots first and then populate the black slots. Using unbalanced memory topology such as populating two DIMMs in one channel while populating one DIMM in another channel on the same motherboard will result in reduced memory performance.

3. General Memory Population Requirements

1. Be sure to use the memory modules of the same type and speed on the motherboard. Mixing of memory modules of different types and speeds is not allowed.

2. Populating memory slots with a pair of DIMM modules of the same type and size will result in interleaved memory, which will improve memory performance.

3. Populating memory slots with mixed one DIMM per channel (1DPC) and two DIMMs per channel (2DPC) with an odd number of DIMMs in one processor will result in a unbalanced DIMM population. Unbalanced DIMM populations will affect channel interleave operation and decrease the memory performance, so it is not recommended.

The Intel Xeon 6700/6500-Series Processors with P-cores

DDR5-6400 Memory Support for the Intel® Xeon® 6700/6500-Series Processors with P-cores

Type	Ranks Per DIMM and Data Width (Stack)	DIMM Capacity (GB)						Channel Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)	
		DRAM Density							
		16 Gb		24 Gb		32 Gb		1DPC/2SPC	2DPC/2SPC
		1DPC	2DPC	1DPC	2DPC	1DPC	2DPC	+1.1 V	
RDIMM	1Rx8	16 GB	-	24 GB	-	-	-	6400, 6000, 5600, 5200, 4800 (DDR5-6400 rated RDIMMs only)	5200, 4800 (DDR5-6400 rated RDIMMs only)
	1Rx4	32 GB	-	48 GB	-	-	-		
	2Rx8	32 GB	32 GB	48 GB	-	-	-		
	2Rx4	64 GB*	64 GB*^	96 GB*	96 GB*^	128 GB*	128 GB*^		
3DS RDIMM	8Rx4	-	256 GB	-	-	-	-		
	4Rx4	-	-	-	-	256 GB*^	256 GB*^		
MRDIMM	2Rx8	32 GB	-	-	-	-	-	8000, 7200 (MRDIMM-8800 only)	N/A
	2Rx4	64 GB	-	-	-	-	-		

Notes:

- The items with asterisk (*) are supported in 1S/2S/4S systems. The items with circumflex (^) are supported in 8S systems. All others support 1S/2S only.

- MRDIMM is supported with only 1DPC configurations only.

- Intel Xeon 6700/6500-Series Processors with P-cores support up to 5200 MT/s speed in 2DPC configuration with 6400 MT/s DIMMs only. 5600 MT/s DIMMs are not supported.

- Intel Xeon 6700/6500-Series Processors with P-cores supports 1DIMM per processor socket with the following DIMM configurations only: 16 GB 1Rx8 and 32 GB 2Rx8.

CXL Memory Configuration Support for the Intel® Xeon® 6700/6500-Series Processors with P-cores									
Native DDR5 Memory Per Socket				CXL Memory Per Socket					
Slot 1 DIMM Ranks	Slot 1 DIMM Capacity (GB)	DIMM Type	DRAM Density (Gb)	CXL Memory Channels	CXL Memory Type	CXL Capacity Per Device/ Module	CXL Interleave	CXL Mode	4S and 8S Support
2Rx4	96	10x4	24	2+2	DDR5 x8	96 GB	1x4*, 2x2, 4x1	1LM+Vol	Yes
2Rx4	128	10x4	32	2+2	DDR4 x8, DDR5 x8	128 GB	1x4*, 2x2, 4x1	1LM+Vol	Yes
2Rx4	128	10x4	32	2+2	DDR5 x8	128 GB	hetero 1x2*	Hetero	Yes
2Rx4	64	10x4	16	2+2+2	DDR5 x8	128 GB	1x6*, 2x3, 3x2	1LM+Vol	No
2Rx4	64	10x4	16	2	DDR5 x8	128 GB	1x2*	1LM+Vol	No
2Rx4	64	10x4	16	1+1	DDR5 x16	2ch 128 GB	1x2*	Intel Flat Memory Mode	No

Notes:

- The items with asterisk (*) are the default settings in BIOS
- The Intel Xeon 6700-series processors with P-cores CXL memory configurations are 1DPC ('slot 1') only for native DDR5
- CXL Memory Channel: number of devices per root port, with root ports separated by "+", e.g. 2+2+2+2 = four root ports populated with two devices per root port
- CXL Interleave: sets x ways, e.g. 2x4 = One set of two modules, interleaved four-way
- CXL Modes:
  - 1LM + Vol = DDR5 ('1LM') and (volatile) CXL memory visible to SW as separate tiers, separately interleaved
  - Flat Memory Mode = HW manages data movement between DDR5 and CXL memory, total capacity visible to SW

The Intel Xeon 6700-Series Processors with E-cores (Only DDR5-6400 Rated RDIMMs are supported)

DDR5-6400 Memory Support for the Intel® Xeon® 6700-Series Processors with E-cores									
Type	Ranks Per DIMM and Data Width (Stack)	DIMM Capacity (GB)						Channel Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)	
		DRAM Density							
		16 Gb		24 Gb		32 Gb		1DPC/2SPC	2DPC/2SPC
		1DPC	2DPC	1DPC	2DPC	1DPC	2DPC	+1.1 V	
RDIMM	1Rx4	32 GB	-	-	-	-	-	6400, 6000, 5600, 5200, 4800 (DDR5-6400 rated RDIMMs only)	N/A
	2Rx8	32 GB	-	-	-	-	-		N/A
	2Rx4	64 GB	64 GB	96 GB	96 GB	-	-		5200, 4800 (DDR5-6400 rated RDIMMs only)
	2Rx4	-	-	-	-	128 GB	128 GB		
3DS RDIMM	4Rx4	-	-	-	-	256 GB	256 GB		

Notes:

- Intel Xeon 6700-Series Processors with E-cores supports up to 5200 MT/s speed in 2DPC configuration with 6400 MT/s DIMMs only. 5600 MT/s DIMMs are not supported.

- Intel Xeon 6700-Series Processors with E-cores supports 1DIMM per processor socket with the following DIMM configuration only: 32 GB 2Rx8.

CXL Memory Configuration Support for the Intel® Xeon® 6700-Series Processors with E-cores								
Native DDR5 Memory Per Socket				CXL Memory Per Socket				
Slot 1 DIMM Ranks	Slot 1 DIMM Capacity (GB)	DIMM Type	DRAM Density (Gb)	CXL Memory Channels	CXL Memory Type	CXL Capacity Per Device/ Module	CXL Inter-leave	CXL Mode
2Rx4	64	10x4	16	2+2	DDR5 x8	64 GB	1x4*, 2x2, 4x1	1LM+Vol
2Rx4	64	10x4	16	1+1	DDR5 x16	128 GB	1x2*, 2x1	1LM+Vol
1Rx4	32	10x4	16	2	DDR5 x8	128 GB	1x2*	Intel Flat Memory Mode

Notes:

- The items with asterisk (*) are the default settings in BIOS
- The Intel Xeon 6700-series processors with E-cores CXL memory configurations are 1DPC ('slot 1') only for native DDR5
- CXL Memory Channel: number of devices per root port, with root ports separated by "+", e.g. 2+2+2+2 = four root ports populated with two devices per root port
- CXL Interleave: sets x ways, e.g. 2x4 = One set of two modules, interleaved four-way
- CXL Modes:
  - 1LM + Vol = DDR5 ('1LM') and (volatile) CXL memory visible to SW as separate tiers, separately interleaved
  - Flat Memory Mode = HW manages data movement between DDR5 and CXL memory, total capacity visible to SW

4. DIMM Population Guidelines for Optimal Performance

For optimal memory performance, follow the instructions listed in the tables below when populating memory modules.

4.1 Key Parameters for DIMM Configuration

The Intel Xeon 6700/6500-Series Processors with P-cores

DIMM mixing of any type, size, density, and vendor are not allowed for Intel Xeon 6700/6500-series processors with P-cores.

The Intel Xeon 6700-Series Processors with E-cores

DIMM mixing of any type, size, density, and vendor are not allowed for Intel Xeon 6700-series processors with E-cores.

4.2 Memory Population Tables for the X14SXX/B14SBX Series Motherboards

For your system memory to work properly, please follow the memory population tables below to install your memory modules on the X14SXX/B14SBX series motherboards (Note below).

The Intel Xeon 6700/6500-Series Processors with P-cores

DDR5-6400 Memory Support for the Intel® Xeon® 6700/6500-Series Processors with P-cores										
Type	Ranks Per DIMM and Data Width (Stack)	DIMM Capacity (GB)						Channel Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)		
		DRAM Density								
		16 Gb		24 Gb		32 Gb		1DPC/2SPC	2DPC/2SPC	
		1DPC	2DPC	1DPC	2DPC	1DPC	2DPC	+1.1 V		
RDIMM	1Rx8	16 GB	-	24 GB	-	-	-	6400, 6000, 5600, 5200, 4800 (DDR5-6400 rated RDIMMs only)	5200, 4800 (DDR5-6400 rated RDIMMs only)	
	1Rx4	32 GB	-	48 GB	-	-	-			
	2Rx8	32 GB	32 GB	48 GB	-	-	-			
	2Rx4	64 GB*	64 GB*^	96 GB*	96 GB*^	128 GB*	128 GB*^			
3DS RDIMM	8Rx4	-	256 GB	-	-	-	-			
	4Rx4	-	-	-	-	256 GB*^	256 GB*^			
MRDIMM	2Rx8	32 GB	-	-	-	-	-	8000, 7200 (MRDIMM-8800 only)	N/A	
	2Rx4	64 GB	-	-	-	-	-			

Notes:

- The items with asterisk (*) are supported in 1S/2S/4S systems. The items with circumflex (^) are supported in 8S systems. All others support 1S/2S only.
- MRDIMM is supported with only 1DPC configurations only.
- Intel Xeon 6700/6500-Series Processors with P-cores supports up to 5200 MT/s speed in 2DPC configuration with 6400 MT/s DIMMs only. 5600 MT/s DIMMs are not supported.
- Intel Xeon 6700/6500-Series Processors with P-cores supports 1DIMM per processor socket with the following DIMM configurations only: 16 GB 1Rx8 and 32 GB 2Rx8.

CXL Memory Configuration Support for the Intel® Xeon® 6700/6500-Series Processors with P-cores									
Native DDR5 Memory Per Socket				CXL Memory Per Socket					
Slot 1 DIMM Ranks	Slot 1 DIMM Capacity (GB)	DIMM Type	DRAM Density (Gb)	CXL Memory Channels	CXL Memory Type	CXL Capacity Per Device/ Module	CXL Interleave	CXL Mode	4S and 8S Support
2Rx4	96	10x4	24	2+2	DDR5 x8	96 GB	1x4*, 2x2, 4x1	1LM+Vol	Yes
2Rx4	128	10x4	32	2+2	DDR4 x8, DDR5 x8	128 GB	1x4*, 2x2, 4x1	1LM+Vol	Yes
2Rx4	128	10x4	32	2+2	DDR5 x8	128 GB	hetero 1x2*	Hetero	Yes
2Rx4	64	10x4	16	2+2+2	DDR5 x8	128 GB	1x6*, 2x3, 3x2	1LM+Vol	No
2Rx4	64	10x4	16	2	DDR5 x8	128 GB	1x2*	1LM+Vol	No
2Rx4	64	10x4	16	1+1	DDR5 x16	2ch 128 GB	1x2*	Intel Flat Memory Mode	No

Note: Refer to page 5 for more detailed information.

The Intel Xeon 6700-Series Processors with E-cores (Only DDR5-6400 Rated RDIMMs are supported)

DDR5-6400 Memory Support for the Intel® Xeon® 6700-Series Processors with E-cores									
Type	Ranks Per DIMM and Data Width (Stack)	DIMM Capacity (GB)						Channel Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)	
		DRAM Density							
		16 Gb		24 Gb		32 Gb		1DPC/2SPC	2DPC/2SPC
		1DPC	2DPC	1DPC	2DPC	1DPC	2DPC	+1.1 V	
RDIMM	1Rx4	32 GB	-	-	-	-	-	6400, 6000, 5600, 5200, 4800 (DDR5-6400 rated RDIMMs only)	N/A
	2Rx8	32 GB	-	-	-	-	-		N/A
	2Rx4	64 GB	64 GB	96 GB	96 GB	-	-		5200, 4800 (DDR5-6400 rated RDIMMs only)
	2Rx4	-	-	-	-	128 GB	128 GB		
RDIMM 3DS	4Rx4	-	-	-	-	256 GB	256 GB		

Notes:

- Intel Xeon 6700-Series Processors with E-cores supports up to 5200 MT/s speed in 2DPC configuration with 6400 MT/s DIMMs only. 5600 MT/s DIMMs are not supported.
- Intel Xeon 6700-Series Processors with E-cores supports 1DIMM per processor socket with following DIMM configuration only: 32 GB 2Rx8.

CXL Memory Configuration Support for the Intel® Xeon® 6700-Series Processors with E-cores								
Native DDR5 Memory Per Socket				CXL Memory Per Socket				
Slot 1 DIMM Ranks	Slot 1 DIMM Capacity (GB)	DIMM Type	DRAM Density (Gb)	CXL Memory Channels	CXL Memory Type	CXL Capacity Per Device/ Module	CXL Inter-leave	CXL Mode
2Rx4	64	10x4	16	2+2	DDR5 x8	64 GB	1x4*, 2x2, 4x1	1LM+Vol
2Rx4	64	10x4	16	1+1	DDR5 x16	128 GB	1x2*, 2x1	1LM+Vol
1Rx4	32	10x4	16	2	DDR5 x8	128 GB	1x2*	Intel Flat Memory Mode

Note: Refer to page 7 for more detailed information.

Memory Population for the X14SXX/B14SBX Series Motherboards (with 8 DIMM Slots)

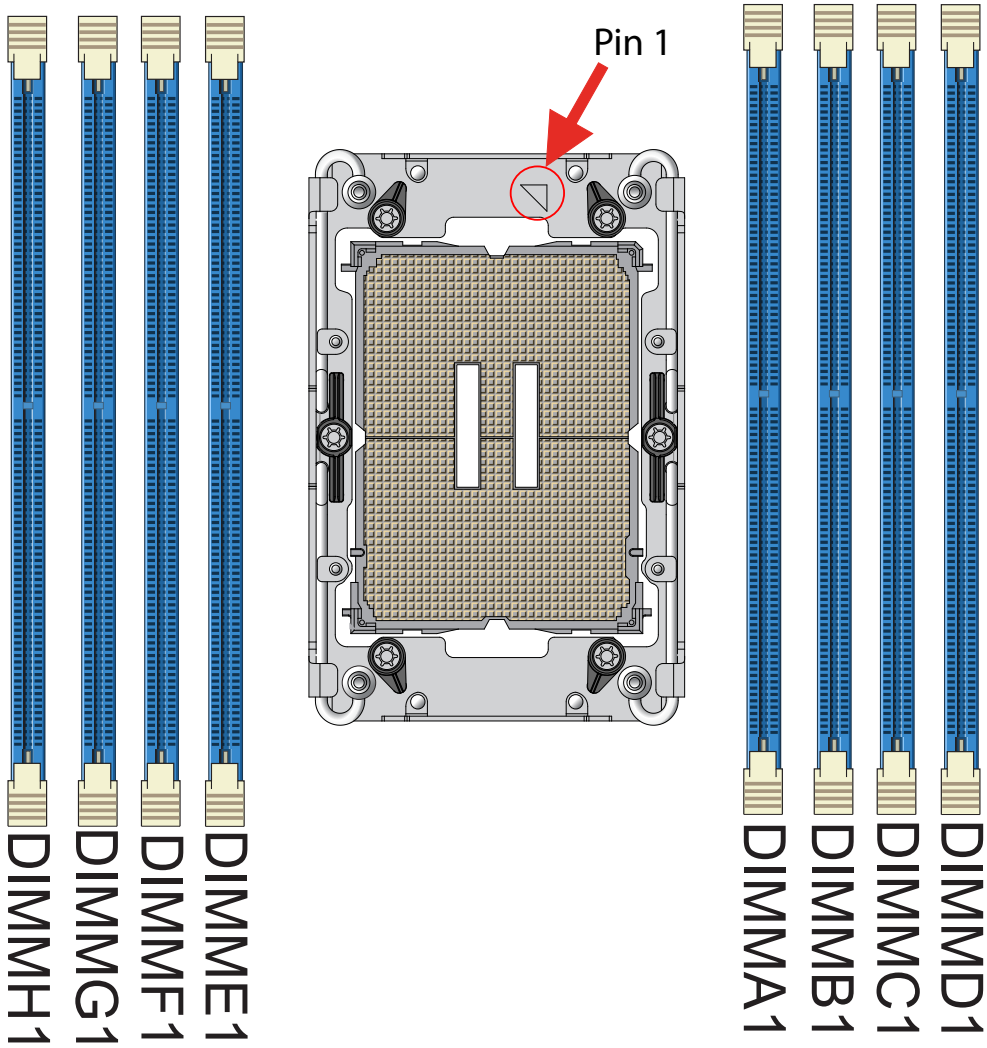
Note: The memory table below supports the X14SXX/B14SBX Series motherboards with eight DIMM memory slots onboard.

Intel® Xeon® 6700/6500-Series Processors with P-cores DDR5 Memory Population Table (1 processor and 8-DIMM slots)	
DIMM Counts	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1

Intel® Xeon® 6700-Series Processors with E-cores DDR5 Memory Population Table (1 processor and 8-DIMM slots)	
DIMM Counts	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1

Notes:

- DIMMs must be all DDR5-6400 rated RDIMMs or all MRDIMM.
- 2DPC population is only supported with RDIMM, and not supported with MRDIMM.
- All DIMMs in a channel must have the same number of ranks (unless explicitly specified otherwise).
- x8 DIMMs and x4 DIMMs cannot be mixed in the same channel or same processor socket.
- Vendor mixing is not allowed.



Memory Population on X14SXX/B14SBX Series Motherboards with 8 DIMMs Installed

Note: The drawing above shows DIMM module population for each processor installed on the motherboard. Please install your processors starting with Socket 1.

Memory Population for the X14SXX/B14SBX Series Motherboards (with 16 DIMM Slots)

Note: The memory table below supports the X14SXX/B14SBX Series motherboards with 16 DIMM memory slots onboard.

Intel® Xeon® 6700/6500-Series Processors with P-cores DDR5 Memory Population Table (1 processor and 16-DIMM slots, 1 DPC)	
DIMM Counts	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1

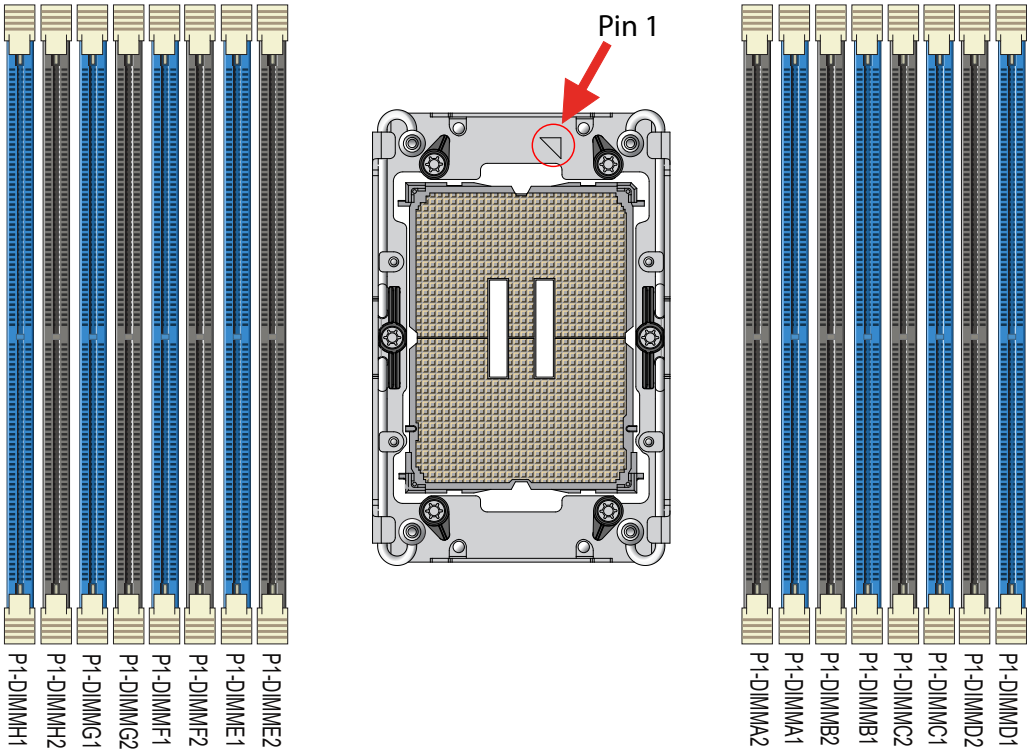
Intel® Xeon® 6700/6500-Series Processors with P-cores DDR5 Memory Population Table (1 processor and 16-DIMM slots, 2 DPC)	
DIMM Counts	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs	P1-DIMMA1/P1-DIMMA2/P1-DIMMC1/P1-DIMMC2/P1-DIMME1/P1-DIMME2/P1-DIMMG1/ P1-DIMMG2
1 Processor and 8 DIMMs	P1-DIMMB1/P1-DIMMB2/P1-DIMMD1/P1-DIMMD2/P1-DIMMF1/P1-DIMMF2/P1-DIMMH1/ P1-DIMMH2
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1
1 Processor and 12 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/P1-DIMME1/ P1-DIMME2/P1-DIMMF1/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1
1 Processor and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMB2/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/ P1-DIMMD2/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMF2/P1-DIMMG1/P1-DIMMG2/ P1-DIMMH1/P1-DIMMH2

Intel® Xeon® 6700-Series Processors with E-cores DDR5 Memory Population Table (1 processor and 16-DIMM slots, 1 DPC)	
DIMM Counts	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1

Intel® Xeon® 6700-Series Processors with E-cores DDR5 Memory Population Table (1 processor and 16-DIMM slots, 2 DPC)	
DIMM Counts	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs	P1-DIMMA1/P1-DIMMA2/P1-DIMMC1/P1-DIMMC2/P1-DIMME1/P1-DIMME2/P1-DIMMG1/ P1-DIMMG2
1 Processor and 8 DIMMs	P1-DIMMB1/P1-DIMMB2/P1-DIMMD1/P1-DIMMD2/P1-DIMMF1/P1-DIMMF2/P1-DIMMH1/ P1-DIMMH2
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1
1 Processor and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMB2/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/ P1-DIMMD2/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMF2/P1-DIMMG1/P1-DIMMG2/ P1-DIMMH1/P1-DIMMH2

Notes:

- DIMMs must be all DDR5-6400 rated RDIMMs or all MRDIMM.
- 2DPC population is only supported with RDIMM, and not supported with MRDIMM.
- All DIMMs in a channel must have the same number of ranks (unless explicitly specified otherwise).
- x8 DIMMs and x4 DIMMs cannot be mixed in the same channel or same processor socket.
- Vendor mixing is not allowed.



Memory Population on X14SXX/B14SBX Series Motherboards with 16 DIMMs Installed

Note: The drawing above shows DIMM module population for each processor installed on the motherboard. Please install your processors starting with Socket 1.

4.3 Memory Population Tables for the X14DXX/B14DBX Series Motherboards

For your system memory to work properly, please follow the memory population tables below to install the memory modules on your motherboard.

The Intel Xeon 6700/6500-Series Processors with P-cores

DDR5-6400 Memory Support for the Intel® Xeon® 6700/6500-Series Processors with P-cores									
Type	Ranks Per DIMM and Data Width (Stack)	DIMM Capacity (GB)						Channel Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)	
		DRAM Density							
		16 Gb		24 Gb		32 Gb		1DPC/2SPC	2DPC/2SPC
		1DPC	2DPC	1DPC	2DPC	1DPC	2DPC	+1.1 V	
RDIMM	1Rx8	16 GB	-	24 GB	-	-	-	6400, 6000, 5600, 5200, 4800 (DDR5-6400 rated RDIMMs only)	5200, 4800 (DDR5-6400 rated RDIMMs only)
	1Rx4	32 GB	-	48 GB	-	-	-		
	2Rx8	32 GB	32 GB	48 GB	-	-	-		
	2Rx4	64 GB*	64 GB*^	96 GB*	96 GB*^	128 GB*	128 GB*^		
3DS RDIMM	8Rx4	-	256 GB	-	-	-	-		
	4Rx4	-	-	-	-	256 GB*^	256 GB*^		
MRDIMM	2Rx8	32 GB	-	-	-	-	-	8000, 7200 (MRDIMM-8800 only)	N/A
	2Rx4	64 GB	-	-	-	-	-		

Notes:

- The items with asterisk (*) are supported in 1S/2S/4S systems. The items with circumflex (^) are supported in 8S systems. All others support 1S/2S only.
- MRDIMM is supported with only 1DPC configurations only.
- Intel Xeon 6700/6500-Series Processors with P-cores supports up to 5200 MT/s speed in 2DPC configuration with 6400 MT/s DIMMs only. 5600 MT/s DIMMs are not supported.
- Intel Xeon 6700/6500-Series Processors with P-cores supports 1DIMM per processor socket with the following DIMM configurations only: 16 GB 1Rx8 and 32 GB 2Rx8.

CXL Memory Configuration Support for the Intel® Xeon® 6700/6500-Series Processors with P-cores									
Native DDR5 Memory Per Socket				CXL Memory Per Socket					
Slot 1 DIMM Ranks	Slot 1 DIMM Capacity (GB)	DIMM Type	DRAM Density (Gb)	CXL Memory Channels	CXL Memory Type	CXL Capacity Per Device/ Module	CXL Interleave	CXL Mode	4S and 8S Support
2Rx4	96	10x4	24	2+2	DDR5 x8	96 GB	1x4*, 2x2, 4x1	1LM+Vol	Yes
2Rx4	128	10x4	32	2+2	DDR4 x8, DDR5 x8	128 GB	1x4*, 2x2, 4x1	1LM+Vol	Yes
2Rx4	128	10x4	32	2+2	DDR5 x8	128 GB	hetero 1x2*	Hetero	Yes
2Rx4	64	10x4	16	2+2+2	DDR5 x8	128 GB	1x6*, 2x3, 3x2	1LM+Vol	No
2Rx4	64	10x4	16	2	DDR5 x8	128 GB	1x2*	1LM+Vol	No
2Rx4	64	10x4	16	1+1	DDR5 x16	2ch 128 GB	1x2*	Intel Flat Memory Mode	No

Note: Refer to page 5 for more detailed information.

The Intel Xeon 6700-Series Processors with E-cores (Only DDR5-6400 Rated RDIMMs are supported)

DDR5-6400 Memory Support for the Intel® Xeon® 6700-Series Processors with E-cores									
Type	Ranks Per DIMM and Data Width (Stack)	DIMM Capacity (GB)						Channel Speed (MT/s); Voltage (V); Slots per Channel (SPC) and DIMMs per Channel (DPC)	
		DRAM Density							
		16 Gb		24 Gb		32 Gb		1DPC/2SPC	2DPC/2SPC
		1DPC	2DPC	1DPC	2DPC	1DPC	2DPC	+1.1 V	
RDIMM	1Rx4	32 GB	-	-	-	-	-	6400, 6000, 5600, 5200, 4800 (DDR5-6400 rated RDIMMs only)	N/A
	2Rx8	32 GB	-	-	-	-	-		N/A
	2Rx4	64 GB	64 GB	96 GB	96 GB	-	-		5200, 4800 (DDR5-6400 rated RDIMMs only)
	2Rx4	-	-	-	-	128 GB	128 GB		
3DS RDIMM	4Rx4	-	-	-	-	256 GB	256 GB		

Notes:

- Intel Xeon 6700-Series Processors with E-cores supports up to 5200 MT/s speed in 2DPC configuration with 6400 MT/s DIMMs only. 5600 MT/s DIMMs are not supported.
- Intel Xeon 6700-Series Processors with E-cores supports 1DIMM per processor socket with the following DIMM configuration only: 32 GB 2Rx8.

CXL Memory Configuration Support for the Intel® Xeon® 6700-Series Processors with E-cores								
Native DDR5 Memory Per Socket				CXL Memory Per Socket				
Slot 1 DIMM Ranks	Slot 1 DIMM Capacity (GB)	DIMM Type	DRAM Density (Gb)	CXL Memory Channels	CXL Memory Type	CXL Capacity Per Device/ Module	CXL Inter-leave	CXL Mode
2Rx4	64	10x4	16	2+2	DDR5 x8	64 GB	1x4*, 2x2, 4x1	1LM+Vol
2Rx4	64	10x4	16	1+1	DDR5 x16	128 GB	1x2*, 2x1	1LM+Vol
1Rx4	32	10x4	16	2	DDR5 x8	128 GB	1x2*	Intel Flat Memory Mode

Note: Refer to page 7 for more detailed information.

4.3.1 Memory Population for the X14DXX/B14DBX Series Motherboards (with 16 DIMM Slots)

Note: The following memory population table supports Supermicro X14DXX/B14DBX series motherboards with 16 DIMM memory slots onboard.

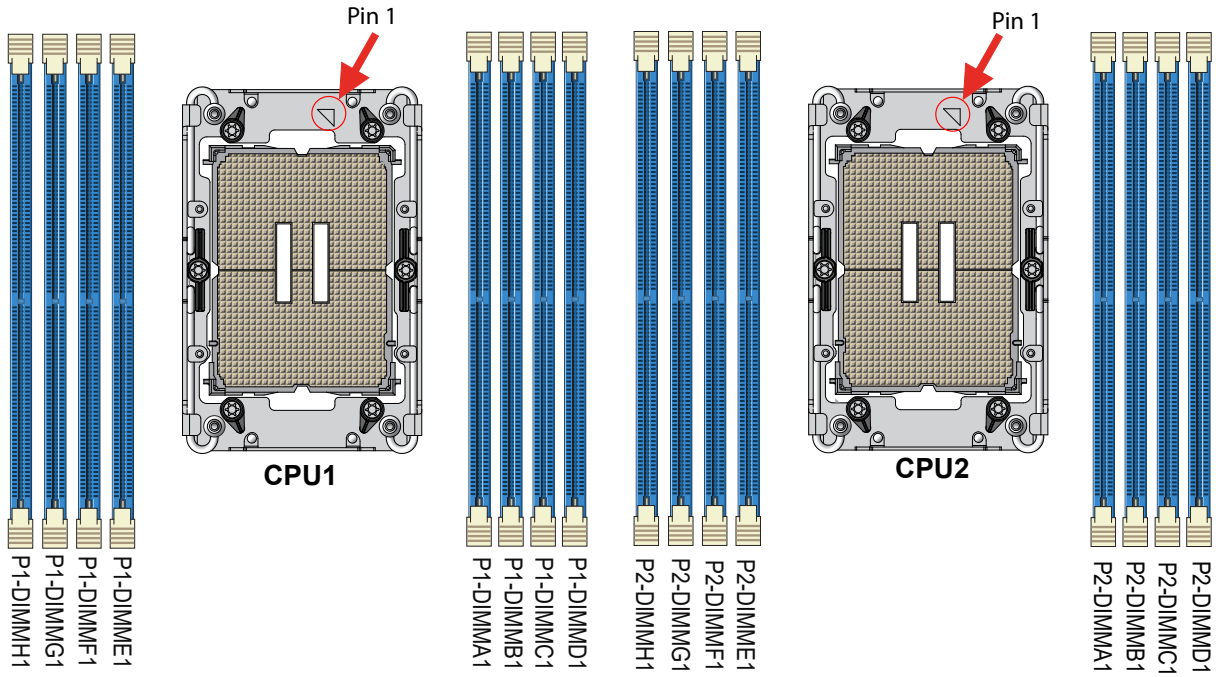
Memory Population Table (with 16 DIMM Slots)

Intel® Xeon® 6700/6500-Series Processors with P-cores DDR5 Memory Population Table (2 processors and 16-DIMM slots, 1 DPC)	
1 Processor:	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1
2 Processors:	***Memory Population Sequence***
2 Processors and 2 DIMMs (Recommended)	P1-DIMMA1 P2-DIMMA1
2 Processors and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1 P2-DIMMA1/P2-DIMMC1/P2-DIMME1/P2-DIMMG1
2 Processors and 8 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1 P2-DIMMB1/P2-DIMMD1/P2-DIMMF1/P2-DIMMH1
2 Processors and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1 P2-DIMMA1/P2-DIMMB1/P2-DIMMC1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

Intel® Xeon® 6700-Series Processors with E-cores DDR5 Memory Population Table (2 processors and 16-DIMM slots, 1 DPC)	
1 Processor:	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1
2 Processors:	***Memory Population Sequence***
2 Processors and 2 DIMMs (Recommended)	P1-DIMMA1 P2-DIMMA1
2 Processors and 8 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1 P2-DIMMA1/P2-DIMMC1/P2-DIMME1/P2-DIMMG1
2 Processors and 8 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1 P2-DIMMB1/P2-DIMMD1/P2-DIMMF1/P2-DIMMH1
2 Processors and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1 P2-DIMMA1/P2-DIMMB1/P2-DIMMC1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

Notes:

- DIMMs must be all DDR5-6400 rated RDIMMs or all MRDIMM.
- 2DPC population is only supported with RDIMM, and not supported with MRDIMM.
- All DIMMs in a channel must have the same number of ranks (unless explicitly specified otherwise).
- x8 DIMMs and x4 DIMMs cannot be mixed in the same channel or same processor socket.
- Vendor mixing is not allowed.



Memory Population on X14DXX/B14DBX Series Motherboards with 16 DIMMs Installed

Note: The drawing above shows DIMM module population for each processor installed on the motherboard. Please install your processors starting with processor Socket 1.

4.3.2 Memory Population for the X14DXX/B14DBX Series Motherboards with 32 DIMM Slots

Note: The memory table below supports the X14DXX/B14DBX series motherboards with 32 DIMM memory slots.

Memory Population Table (with 32 DIMM Slots)

Intel® Xeon® 6700/6500-Series Processors with P-cores DDR5 Memory Population Table (2 processors and 32-DIMM slots, 1 DPC)	
1 Processor:	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1
2 Processors:	***Memory Population Sequence***
2 Processors and 2 DIMMs (Recommended)	P1-DIMMA1 P2-DIMMA1
2 Processors and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1 P2-DIMMA1/P2-DIMMC1/P2-DIMME1/P2-DIMMG1
2 Processors and 8 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1 P2-DIMMB1/P2-DIMMD1/P2-DIMMF1/P2-DIMMH1
2 Processors and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1 P2-DIMMA1/P2-DIMMB1/P2-DIMMC1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1

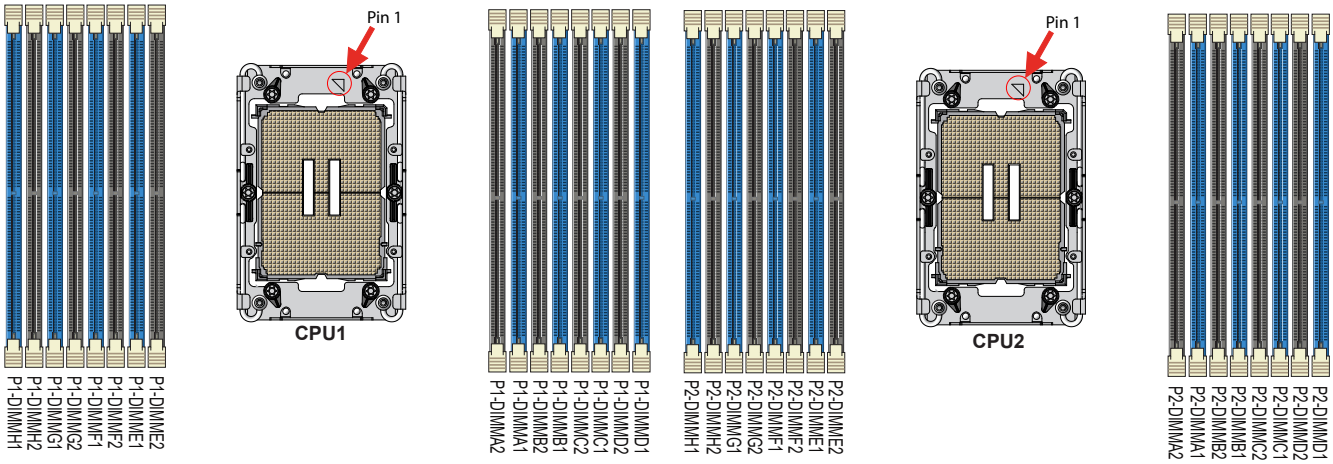
Intel® Xeon® 6700/6500-Series Processors with P-cores DDR5 Memory Population Table (2 processors and 32-DIMM slots, 2 DPC)	
1 Processor:	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs	P1-DIMMA1/P1-DIMMA2/P1-DIMMC1/P1-DIMMC2/P1-DIMME1/P1-DIMME2/P1-DIMMG1/P1-DIMMG2
1 Processor and 8 DIMMs	P1-DIMMB1/P1-DIMMB2/P1-DIMMD1/P1-DIMMD2/P1-DIMMF1/P1-DIMMF2/P1-DIMMH1/P1-DIMMH2
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1
1 Processor and 12 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1
1 Processor and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMB2/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/P1-DIMMD2/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMF2/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1/P1-DIMMH2
2 Processors:	***Memory Population Sequence***
2 Processors and 2 DIMMs (Recommended)	P1-DIMMA1 P2-DIMMA1
2 Processors and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1 P2-DIMMA1/P2-DIMMC1/P2-DIMME1/P2-DIMMG1
2 Processors and 8 DIMMs (Recommended)	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1 P2-DIMMB1/P2-DIMMD1/P2-DIMMF1/P2-DIMMH1
2 Processors and 16 DIMMs	P1-DIMMA1/P1-DIMMA2/P1-DIMMC1/P1-DIMMC2/P1-DIMME1/P1-DIMME2/P1-DIMMG1/P1-DIMMG2 P2-DIMMA1/P2-DIMMA2/P2-DIMMC1/P2-DIMMC2/P2-DIMME1/P2-DIMME2/P2-DIMMG1/P2-DIMMG2
2 Processors and 16 DIMMs	P1-DIMMB1/P1-DIMMB2/P1-DIMMD1/P1-DIMMD2/P1-DIMMF1/P1-DIMMF2/P1-DIMMH1/P1-DIMMH2 P2-DIMMB1/P2-DIMMB2/P2-DIMMD1/P2-DIMMD2/P2-DIMMF1/P2-DIMMF2/P2-DIMMH1/P2-DIMMH2
2 Processors and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1 P2-DIMMA1/P2-DIMMB1/P2-DIMMC1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1
2 Processors and 24 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1 P2-DIMMA1/P2-DIMMA2/P2-DIMMB1/P2-DIMMC1/P2-DIMMC2/P2-DIMMD1/P2-DIMME1/P2-DIMME2/P2-DIMMF1/P2-DIMMG1/P2-DIMMG2/P2-DIMMH1"
2 Processors and 32 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMB2/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/P1-DIMMD2/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMF2/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1/P1-DIMMH2 P2-DIMMA1/P2-DIMMA2/P2-DIMMB1/P2-DIMMB2/P2-DIMMC1/P2-DIMMC2/P2-DIMMD1/P2-DIMMD2/P2-DIMME1/P2-DIMME2/P2-DIMMF1/P2-DIMMF2/P2-DIMMG1/P2-DIMMG2/P2-DIMMH1/P2-DIMMH2

Intel® Xeon® 6700-Series Processors with E-cores DDR5 Memory Population Table (2 processors and 32-DIMM slots, 1 DPC)	
1 Processor:	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1
2 Processors:	***Memory Population Sequence***
2 Processors and 2 DIMMs (Recommended)	P1-DIMMA1 P2-DIMMA1
2 Processors and 8 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1 P2-DIMMA1/P2-DIMMC1/P2-DIMME1/P2-DIMMG1
2 Processors and 8 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1 P2-DIMMB1/P2-DIMMD1/P2-DIMMF1/P2-DIMMH1
2 Processors and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/ P1-DIMMH1 P2-DIMMA1/P2-DIMMB1/P2-DIMMC1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1/P2-DIMMG1/ P2-DIMMH1

Intel® Xeon® 6700-Series Processors with E-cores DDR5 Memory Population Table (2 processors and 32-DIMM slots, 2 DPC)	
1 Processor:	***Memory Population Sequence***
1 Processor and 1 DIMM (Recommended)	P1-DIMMA1
1 Processor and 4 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1
1 Processor and 4 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1
1 Processor and 8 DIMMs	P1-DIMMA1/P1-DIMMA2/P1-DIMMC1/P1-DIMMC2/P1-DIMME1/P1-DIMME2/P1-DIMMG1/P1-DIMMG2
1 Processor and 8 DIMMs	P1-DIMMB1/P1-DIMMB2/P1-DIMMD1/P1-DIMMD2/P1-DIMMF1/P1-DIMMF2/P1-DIMMH1/P1-DIMMH2
1 Processor and 8 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1
1 Processor and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMB2/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/ P1-DIMMD2/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMF2/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1/P1-DIMMH2
2 Processors:	***Memory Population Sequence***
2 Processors and 2 DIMMs (Recommended)	P1-DIMMA1 P2-DIMMA1
2 Processors and 8 DIMMs	P1-DIMMA1/P1-DIMMC1/P1-DIMME1/P1-DIMMG1 P2-DIMMA1/P2-DIMMC1/P2-DIMME1/P2-DIMMG1
2 Processors and 8 DIMMs	P1-DIMMB1/P1-DIMMD1/P1-DIMMF1/P1-DIMMH1 P2-DIMMB1/P2-DIMMD1/P2-DIMMF1/P2-DIMMH1
2 Processors and 16 DIMMs	P1-DIMMA1/P1-DIMMA2/P1-DIMMC1/P1-DIMMC2/P1-DIMME1/P1-DIMME2/P1-DIMMG1/P1-DIMMG2 P2-DIMMA1/P2-DIMMA2/P2-DIMMC1/P2-DIMMC2/P2-DIMME1/P2-DIMME2/P2-DIMMG1/P2-DIMMG2
2 Processors and 16 DIMMs	P1-DIMMB1/P1-DIMMB2/P1-DIMMD1/P1-DIMMD2/P1-DIMMF1/P1-DIMMF2/P1-DIMMH1/P1-DIMMH2 P2-DIMMB1/P2-DIMMB2/P2-DIMMD1/P2-DIMMD2/P2-DIMMF1/P2-DIMMF2/P2-DIMMH1/P2-DIMMH2
2 Processors and 16 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMB1/P1-DIMMC1/P1-DIMMD1/P1-DIMME1/P1-DIMMF1/P1-DIMMG1/P1-DIMMH1 P2-DIMMA1/P2-DIMMB1/P2-DIMMC1/P2-DIMMD1/P2-DIMME1/P2-DIMMF1/P2-DIMMG1/P2-DIMMH1
2 Processors and 32 DIMMs (Recommended)	P1-DIMMA1/P1-DIMMA2/P1-DIMMB1/P1-DIMMB2/P1-DIMMC1/P1-DIMMC2/P1-DIMMD1/ P1-DIMMD2/P1-DIMME1/P1-DIMME2/P1-DIMMF1/P1-DIMMF2/P1-DIMMG1/P1-DIMMG2/P1-DIMMH1/P1-DIMMH2 P2-DIMMA1/P2-DIMMA2/P2-DIMMB1/P2-DIMMB2/P2-DIMMC1/P2-DIMMC2/P2-DIMMD1/ P2-DIMMD2/P2-DIMME1/P2-DIMME2/P2-DIMMF1/P2-DIMMF2/P2-DIMMG1/P2-DIMMG2/P2-DIMMH1/P2-DIMMH2

Notes:

- DIMMs must be all DDR5-6400 rated RDIMMs or all MRDIMM.
- 2DPC population is only supported with RDIMM, and not supported with MRDIMM.
- All DIMMs in a channel must have the same number of ranks (unless explicitly specified otherwise).
- x8 DIMMs and x4 DIMMs cannot be mixed in the same channel or same processor socket.
- Vendor mixing is not allowed.



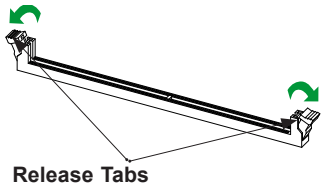
Memory Population on X14DXX/B14DBX Series Motherboards with 32 DIMMs Installed

Note: The drawing above shows DIMM module population for each processor installed on the motherboard. Please install your processors starting with Socket 1.

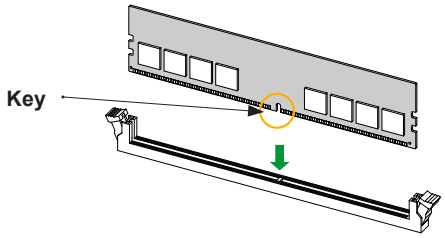
DIMM Installation

1. Insert the desired number of DIMMs into the memory slots based on the recommended DIMM population tables in the previous section. Locate DIMM memory slots on your motherboard. Please note that all graphics shown in this guide are for illustration only. Your motherboard may look different from the drawing on the right.

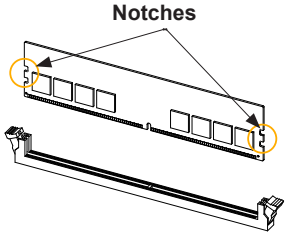
2. Push the release tabs outwards on both ends of the DIMM slot to unlock it.



3. Align the key of the DIMM module with the DIMM socket key on the memory slot.

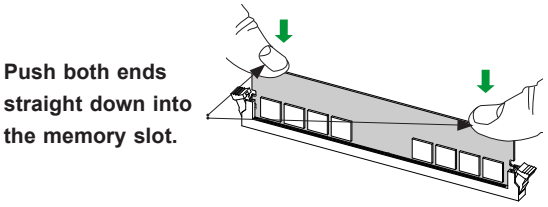


4. Align the notches on both ends of the module against the latches on the ends of the slot.



5. Push both ends of the module straight down into the slot until the module snaps into place.

6. Press the release tabs to the lock positions to secure the DIMM module into the slot.



Warning! Please do not use excessive force when pressing the release tabs on the ends of the DIMM socket to avoid causing any damage to the DIMM module or the DIMM socket. Please handle DIMM modules with care. Carefully follow all the instructions given on Page 1 of this chapter to avoid ESD-related damages done to your memory modules or components.

DIMM Removal

Press both release tabs on the ends of the DIMM module to unlock it. Once the DIMM module is loosened, remove it from the memory slot.