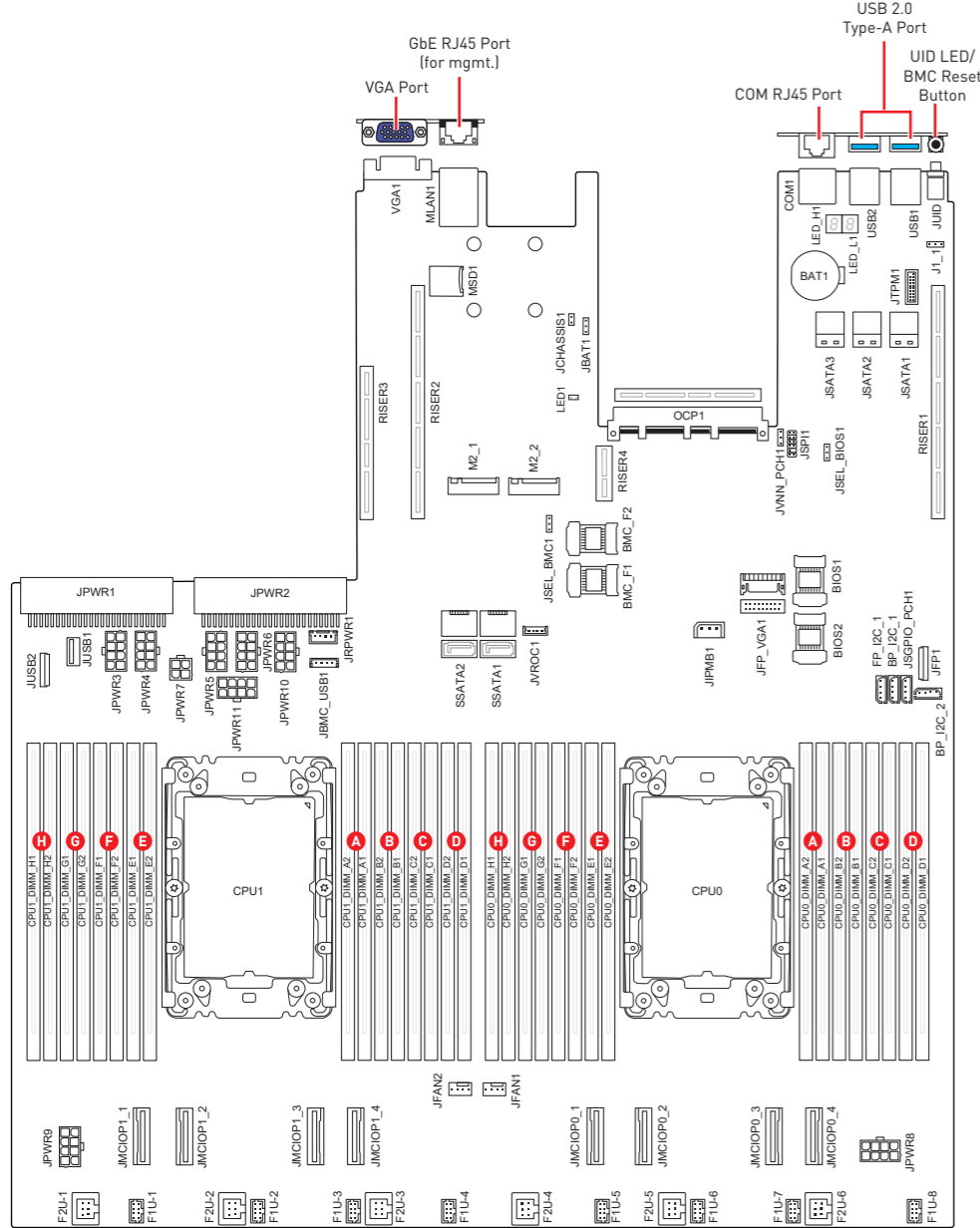
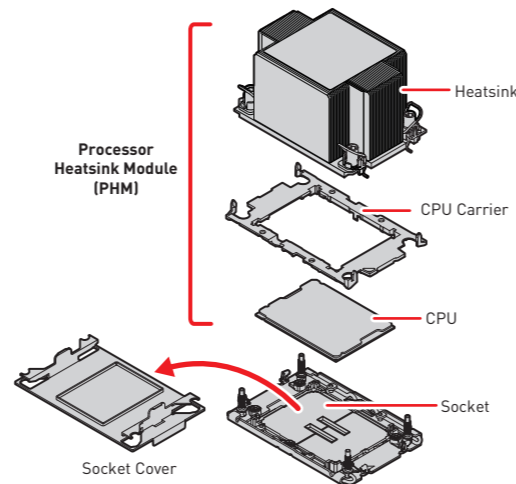


S2205/S1205

QUICK START GUIDE



CPU and Heatsink Installation



1. Check the **CPU** and the **CPU carrier** for their Pin 1 indicators.
2. Align their **Pin 1 indicators** before inserting the CPU into the CPU carrier. If installed properly, the CPU will snap into the side snap latches on the carrier and the carrier will latch firmly to the processor.
3. Remove the protective film on the base of heatsink if any.
4. Align Pin 1 indicator of CPU carrier and the corner cutout of the heatsink. Gently press the heatsink down to engage the carrier's latching mechanism to the heatsink at four corners. A clicking sound will be heard when latched properly.
5. Verify that the carrier and heatsink are firmly latched as one **Processor Heatsink Module (PHM)**.
6. Place the PHM on top of the motherboard CPU socket with Pin 1 indicators aligned.
7. Tighten all screws on the PHM in diagonal sequences to secure it to the motherboard.



Important

Please refer to the following table for the corresponding CPU carrier.

CPU Package Type	SP XCC	SP MCC/ EE LCC	SPR HBM
CPU Carrier Code	E1A	E1B	E1C

Connectors, Jumpers and LED Indicators

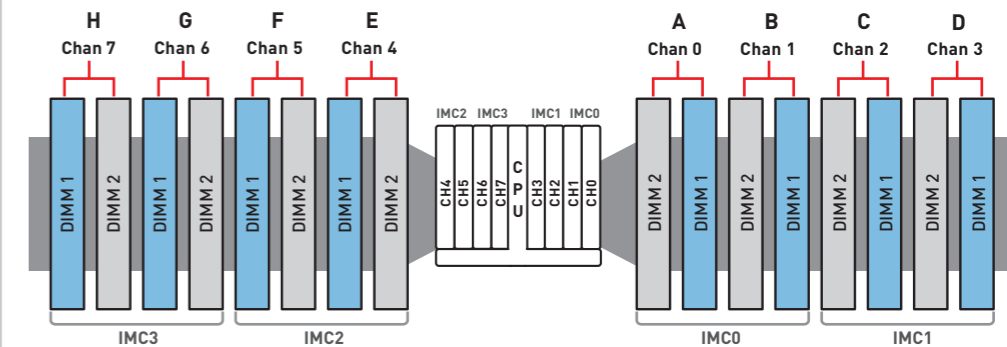
Name	Description
JPWR1~2	CRPS power connectors
JPWR3~6, JPWR10~11	8-pin GPU power connectors
JPWR8~9	8-pin HDD BP power connectors
JPWR7	4-pin rear BP power connector
JMCIOP0_1~4	MCIO 8i connectors
JMCIOP1_1~4	
SSATA1~2	SATA 3.0 DOM ports (6Gb/s)
JSATA1~3	Slimline SAS 4i connectors (12 x SATA 3.0)
M2_1~2	M.2 slots (M Key, PCIe 3.0 x2, 22110/ 2280)
MSD1	Micro SD card slot
RISER1	PCIe 4.0 x 32 slot (from CPU0)
RISER2	PCIe 4.0 x 32 slot (from CPU1)
RISER3	PCIe 4.0 x 16 slot (from CPU1)
RISER4	Fixed slot (supports PCIe power)
OCP1	OCP 3.0 LAN mezzanine slot (supports OCP NIC 3.0 SFF)
JFAN1~2	CPU fan connectors
F1U1~8	1U system fan connectors
F2U1~6	2U system fan connectors
JUSB1	USB 2.0 Type-A port
JUSB2	USB 2.0 FPC connector
USB1~2	USB 2.0 Type-A ports (on rear side)
JFP1	Front panel FPC connector
JFP_VGA1	Front VGA header
JTPM1	SPI TPM header
JVROC1	VROC header
FP_I2C_1, BP_I2C_1~2	I2C headers
JSGPIO_PCH1	Rear BP SGPIO header
JIPMB1	IPMB header
JCHASSIS1	Chassis intrusion header

Name	Description
COM1	COM RJ45 port (on rear side)
MLAN1	GbE RJ45 port (for mgmt., on rear side)
VGA1	VGA port (on rear side)
JSELE_BIOS1	BIOS select jumper (default pin 1-2, BIOS1)
JSELE_BMC1	BMC select jumper (default pin 1-2, BMC_F1)
JBAT1	CMOS clear jumper (default pin 1-2, normal)
J1_1	UID / BMC select jumper (default pin 1-2, UID button)
LED_H1, LED_L1	Port 80 debug LEDs
LED1	BMC heartbeat LED

Memory

The server board supports **RDIMMs** and **3DS RDIMMs**.

The **4th Gen Intel® Xeon® Scalable Processors** support memory speeds up to **4800MT/s (1DPC)** and **4400MT/s (2DPC)**, while the **5th Gen Intel® Xeon® Scalable Processors** elevate memory speeds up to **5600MT/s (1DPC)** and **4400MT/s (2DPC)**.



IMC#	IMC3								IMC2								IMC0				IMC1			
	Channel		H		G		F		E		A		B		C		D							
	Chan 7	Chan 6	Chan 5	Chan 4	Chan 0	Chan 1	Chan 2	Chan 3																
DDR5	H1	H2	G1	G2	F1	F2	E1	E2	A2	A1	B2	B1	C2	C1	D2	D1								
									V															
1+0																								
2+0																								
4+0																								
6+0																								
8+0																								
12+0																								
16+0																								

"V" indicates DIMMs are populated with **DDR5**.



Important

There should be at least one **DDR5 DIMM** populated.

CPU

Dual 4th/5th Gen Intel® Xeon® Scalable processors

Front Panel FPC Connector

JFP1					
1 26					
1	P3V3_AUX	2	P3V3_AUX	3	NA
4	FP ID LED+	5	PWR_LED-	6	FP ID LED-
7	P3V3	8	SYS_FLT_LED-	9	SYS_ERR_LED-
10	M.2 SSD_ACT_LED-	11	PWR_ON_BTN-	12	NIC1_LED+
13	GND	14	NIC1_LED-	15	SYS_RST_BTN-
16	SMB_DAT	17	SMB_CLK	18	GND
19	FP_ID_BTN-	20	NA	21	NA
22	NA	23	NIC2_LED+	24	NIC2_LED-
25	GND	26	GND		