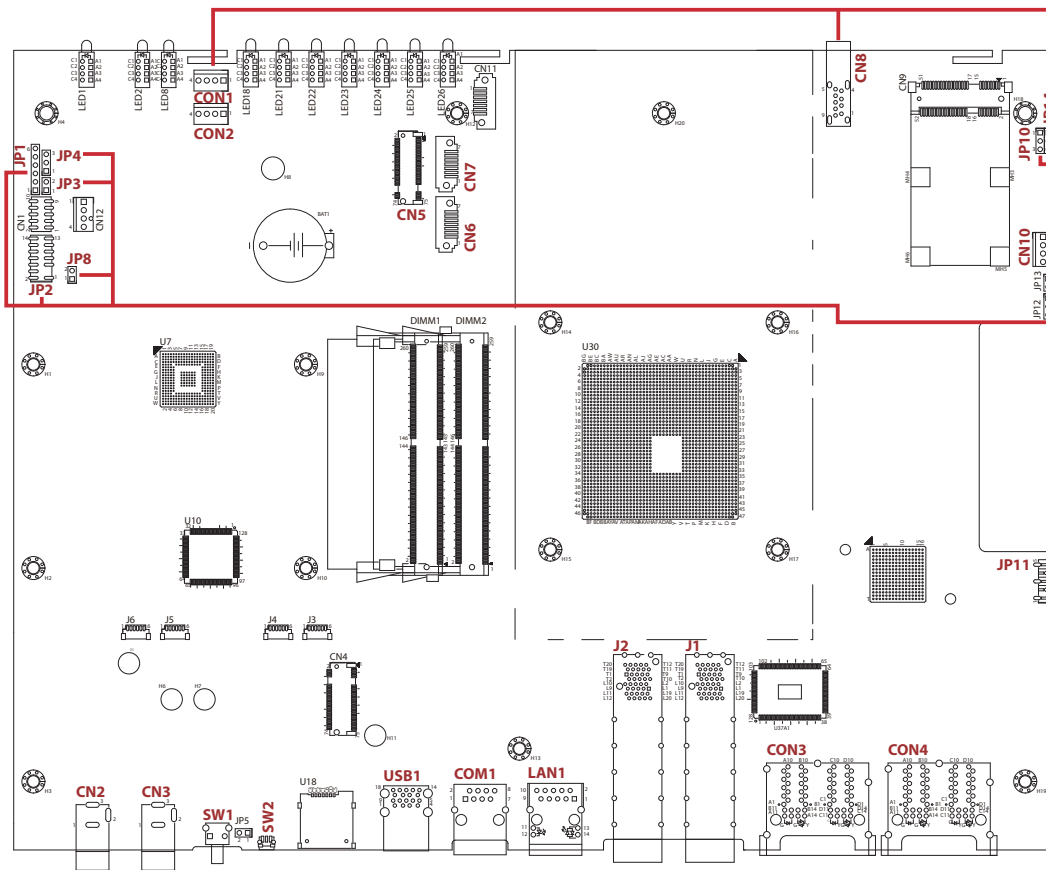


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CON1: SATA PWR Connector

Pin	Description
1	P12V_AUX
2	GND
3	GND
4	P5V

CON2: SATA PWR Connector

Pin	Description
1	P12V_AUX
2	GND
3	GND
4	P5V

CN8: USB 3.0 Connector (Vertical)

Pin	Description	Pin	Description
1	V5USB	6	USB3RP
2	USB2N0	8	USB3TN
3	USB2P0	9	USB3TP
5	USB3RN	4,7	USB_GND

JP10: Clear RTC Jumper

Pin	Description
1	NC
2	RST_SRTCST_N
3	GND

JP14: Clear COMS Jumper

Pin	Description
1	NC
2	RST_SOC_RTEST_N
3	GND

JP1: CPLD JTAG

Pin	Description
1	P3V3_CPLD
2	GND
3	JTAG_PLD_TCK
4	JTAG_PLD_TDO
5	JTAG_PLD_TDI
6	JTAG_PLD_TMS

JP4: SMB1 UART Connector

Pin	Description
1	U7_V20
2	GND
3	U7_U18

JP8: ME Recover

Pin	Description
1	JTAG_SEL
2	GND

JP3: CPLD Remote Update

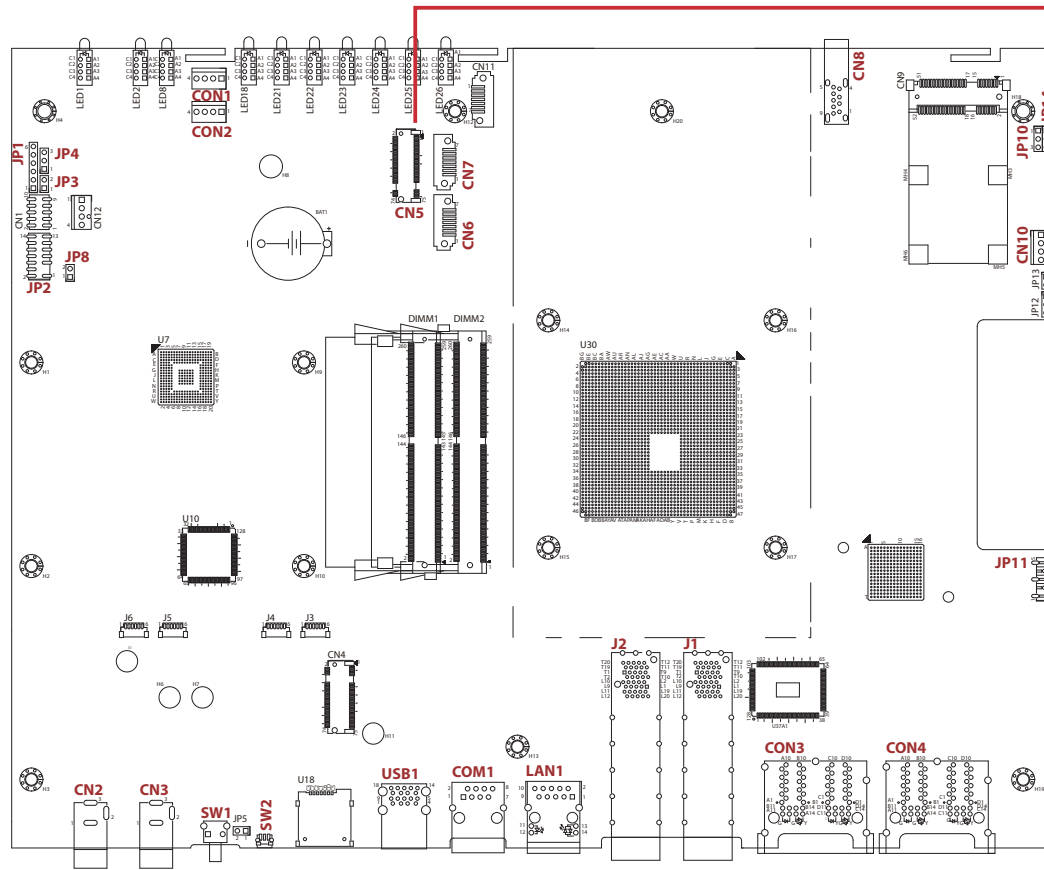
Pin	Description
1	JTAG_SEL
2	GND

JP2: TPM

Pin	Description	Pin	Description
1	GND	2	LPC_CLK_TPM
3	-	4	LPC_FRAME_N
5	LPC_AD2	6	RST_TPM_N
7	LPC_AD1	8	LPC_AD3
9	GND	10	LPC_AD0
11	LPC_SERIRQ	12	P3V3_SOC
13	GND	14	GND

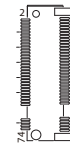


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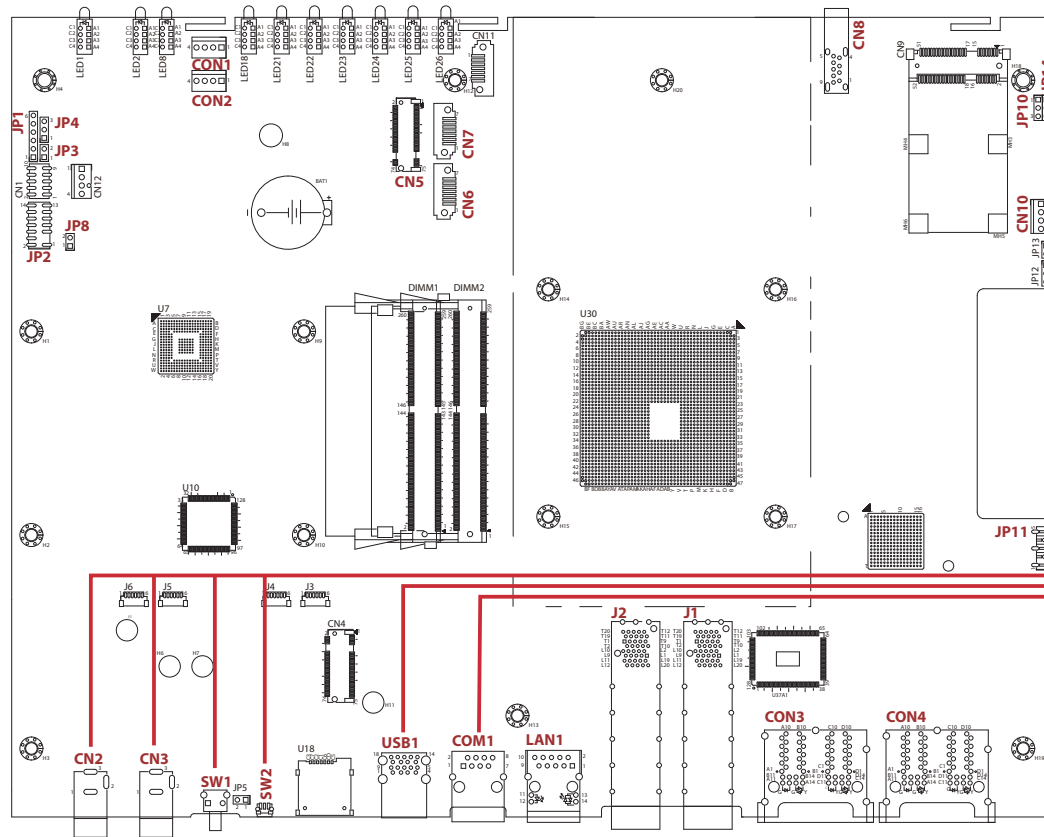


● **CN5: M.2 Key M SATA SSD Connector**

Pin	Description	Pin	Description
1	SSD_DET_N	2	P3V3_SSD
3	GND	4	P3V3_SSD
5	NC	6	NC
7	NC	8	NC
9	GND	10	M.2_ACT_LED1
11	NC	12	P3V3_SSD
13	NC	14	P3V3_SSD
15	GND	16	P3V3_SSD
17	NC	18	P3V3_SSD
19	NC	20	NC
21	GND	22	NC
23	NC	24	NC
25	NC	26	NC
27	GND	28	NC
29	NC	30	NC
31	NC	32	NC
33	GND	34	NC
35	NC	36	NC
37	NC	38	NGFF_DEVSLP
39	GND	40	NC
41	SATA2_RXP	42	NC
43	SATA2_RXN	44	NC
45	GND	46	NC
47	SATA2_TXN	48	NC
49	SATA2_TXP	50	SSD_RST_N
51	GND	52	SSD_CLKREQ#
53	CLK_100M_M2_SSD_N	54	MFG_CLK2
55	CLK_100M_M2_SSD_P	56	NC
57	GND	58	NC
59	Mechanical Key	60	Mechanical Key
61	Mechanical Key	62	Mechanical Key
63	Mechanical Key	64	Mechanical Key
65	Mechanical Key	66	Mechanical Key
67	Mechanical Key	68	CLK_32K_SUSCLK_SOC
69	GND	70	P3V3_SSD
71	GND	72	P3V3_SSD
73	GND	74	P3V3_SSD
75	GND		



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CN10: FAN Connector

Pin	Description
1	GND
2	P12V_FAN
3	FAN1_IN_CON
4	FAN1_PWM_OUT

JP11: MCU Pin

Pin	Description
1	MCU1_NMCLR
2	MCU1_Vdd
3	GND
4	MCU1_PGED
5	MCU1_PGEC

CN2: DC_IN JACK

Pin	Description
1	DC_IN
2	GND
3	GND

CN3: DC_IN JACK

Pin	Description
1	DC_IN
2	GND
3	GND

SW2: Reset Button

Pin	Description
1	GND
2	ACPI_BTN_IN#
3	GND
4	GND

SW1: Power Button

Pin	Description
1	GND
2	PWRBTN#_IN
3	GND
4	GND

USB1: USB3.0 Connector

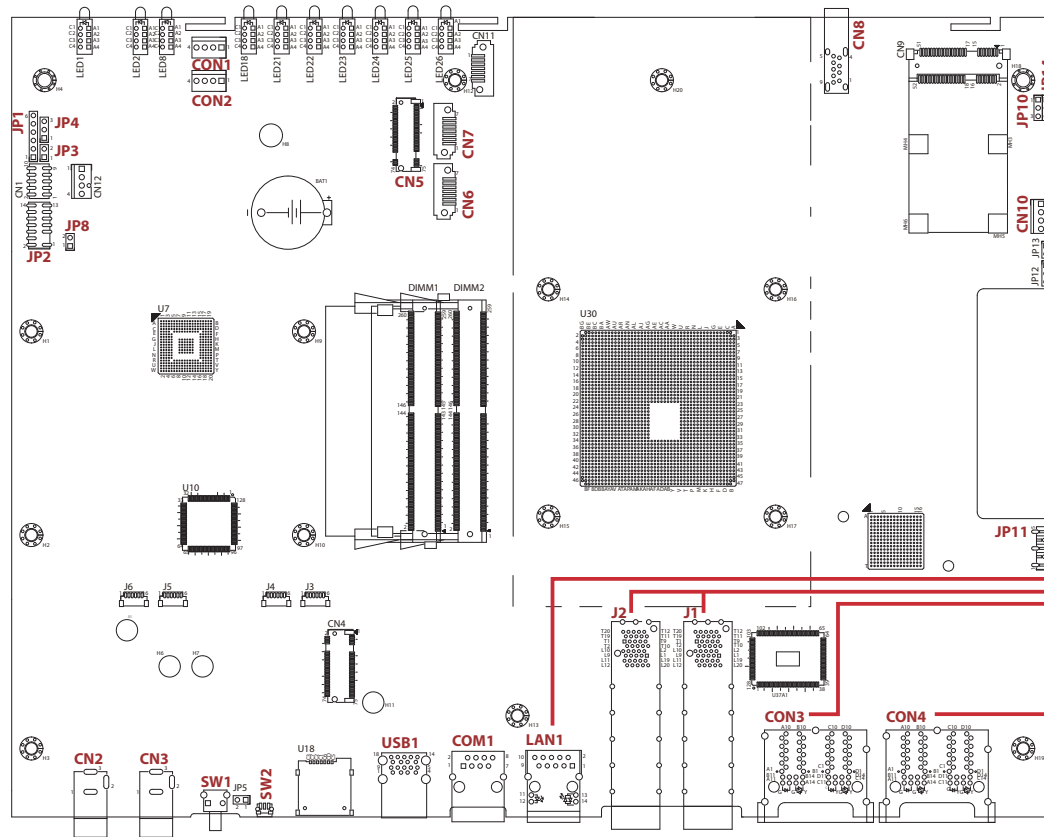
Pin	Description	Pin	Description
1	V5USB	10	V5USB
2	USB2N0	11	USB2N0
3	USB2P0	12	USB2P0
4	USB_GND	13	USB_GND
5	USB3RN	14	USB3RN
6	USB3RP	15	USB3RP
7	USB_GND	16	USB_GND
8	USB3TN	17	USB3TN
9	USB3TP	18	USB3TP

COM1: Console Port (RJ45)

Pin	Description	Pin	Description
1	SP_RTS1	2	SP_DTR1
3	SP_TXD1	4	GND
5	SP_DCD1	6	SP_RXD1
7	SP_DSR1	8	SP_CTS1



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LAN1: MGMT Port for RJ45

Pin	Description	Pin	Description
1	LAN_MDIP	2	LAN_MDIN0
3	LAN_MDIP	4	LAN_MDIN0
5	GND	6	GND
7	LAN_MDIP	8	LAN_MDIN0
9	LAN_MDIP	10	LAN_MDIN0
11	VCC3_LED	12	LED2_ACT_N
13	LED0_L1000_N	14	LED1_L2500_N

J1, J2: 10G SFP+ Connector

Pin	Description	Pin	Description
1	VEET	11	VEER
2	TXFAULT	12	RD-
3	TX_DISABLE	13	RD+
4	SDA	14	VEER
5	SCL	15	VCCR
6	MOD-ABS	16	VCCT
7	RS0	17	VEET
8	RX_LOS	18	TD+
9	RS1	19	TD-
10	VEER	20	VEET

CON3: GBE RJ45 LAN Port form Marvell phy

Pin	Description	Pin	Description
A1	MDX1+	A2	MDX1-
A3	MDX2+	A4	MDX2-
A5	MDX3+	A6	MDX3-
A7	MDX4+	A8	MDX4-
A9	T_VCC	A10	T_GND
A11	LED_A+	A12	LED_A-
A13	LED_B+	A14	LED_B-
MH1	CGND1	MH2	CGND2

CON4: GBE RJ45 LAN Port form Intel I350

Pin	Description	Pin	Description
A1	MDX1+	A2	MDX1-
A3	MDX2+	A4	MDX2-
A5	MDX3+	A6	MDX3-
A7	MDX4+	A8	MDX4-
A9	T_VCC	A10	T_GND
A11	LED_A+	A12	LED_A-
A13	LED_B+	A14	LED_B-
MH1	CGND1	MH2	CGND2