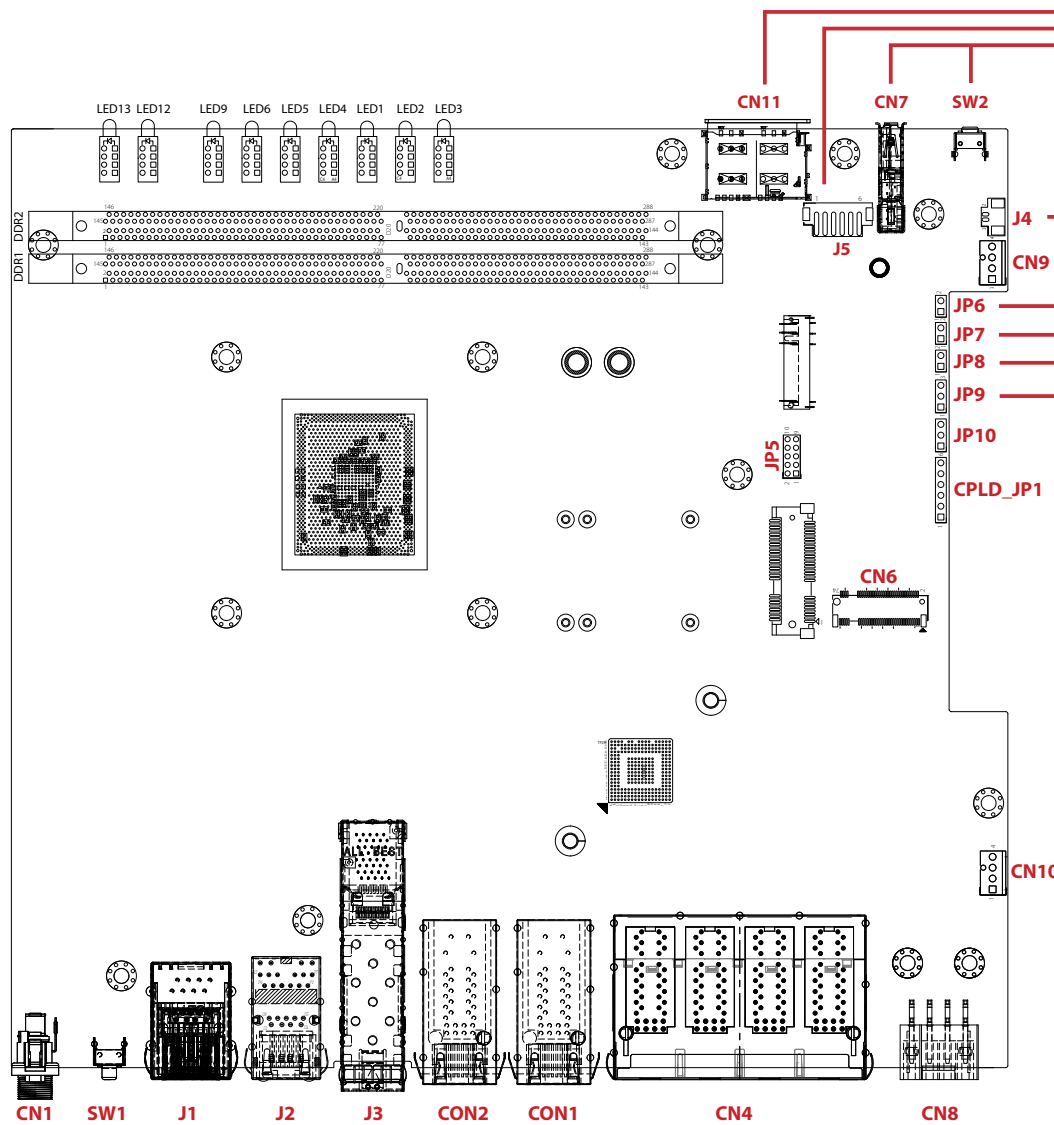


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CN11: SIM Card Connector(4G)

Pin	Signal	Pin	Signal
1C1	UIM1_PWR_F	2C1	UIM2_PWR_F
1C2	LTE_UIM1_RESET_R	2C2	LTE_UIM2_RESET_R
1C3	LTE_UIM1_CLK_R	2C3	LTE_UIM2_CLK_R
1C5	GND	2C5	GND
1C6	LTE_UIM1_VPP	2C6	LTE_UIM2_VPP
1C7	LTE_UIM1_DATA_R	2C7	LTE_UIM2_DATA_R
1CD	LTE_SIM_DETECT1_R	2CD	LTE_SIM_DETECT2_R

J5: Wi-fi 5G Connector

Pin	Signal	Pin	Signal
1	P3V7_5G	2	P3V7_5G
3	mmWave_En_1	4	mmWave_1P85
5	GND	6	GND

CN7: USB3.0

Pin	Signal
1	P5V_USB
2	USB2_P0-
3	USB2_P0+
4	GND
5	USB3_RX_D0-
6	USB3_RX_D0+
7	GND
8	USB3_TX_D0-
9	USB3_TX_D0+

SW2: Reset Button

Pin	Signal
1	GND
2	RW_SW_RST
3	GND
4	GND

J4: CLEAR CMOS JUMP Connector

Pin	Signal
1	GND
2	VBAT
3	GND
4	GND

CN9 CN10: Fan Connector

Pin	Signal
1	GND
2	P12V
3	TACH
4	PWM

JP6: CPLD Debug Connector

Pin	Signal
1	CPLD_DEBUG_MODE_N
2	GND

JP7: SoC_IERR_N Connector (Flash)

Pin	Signal
1	P3V3_STBY
2	SOC_IERR_N

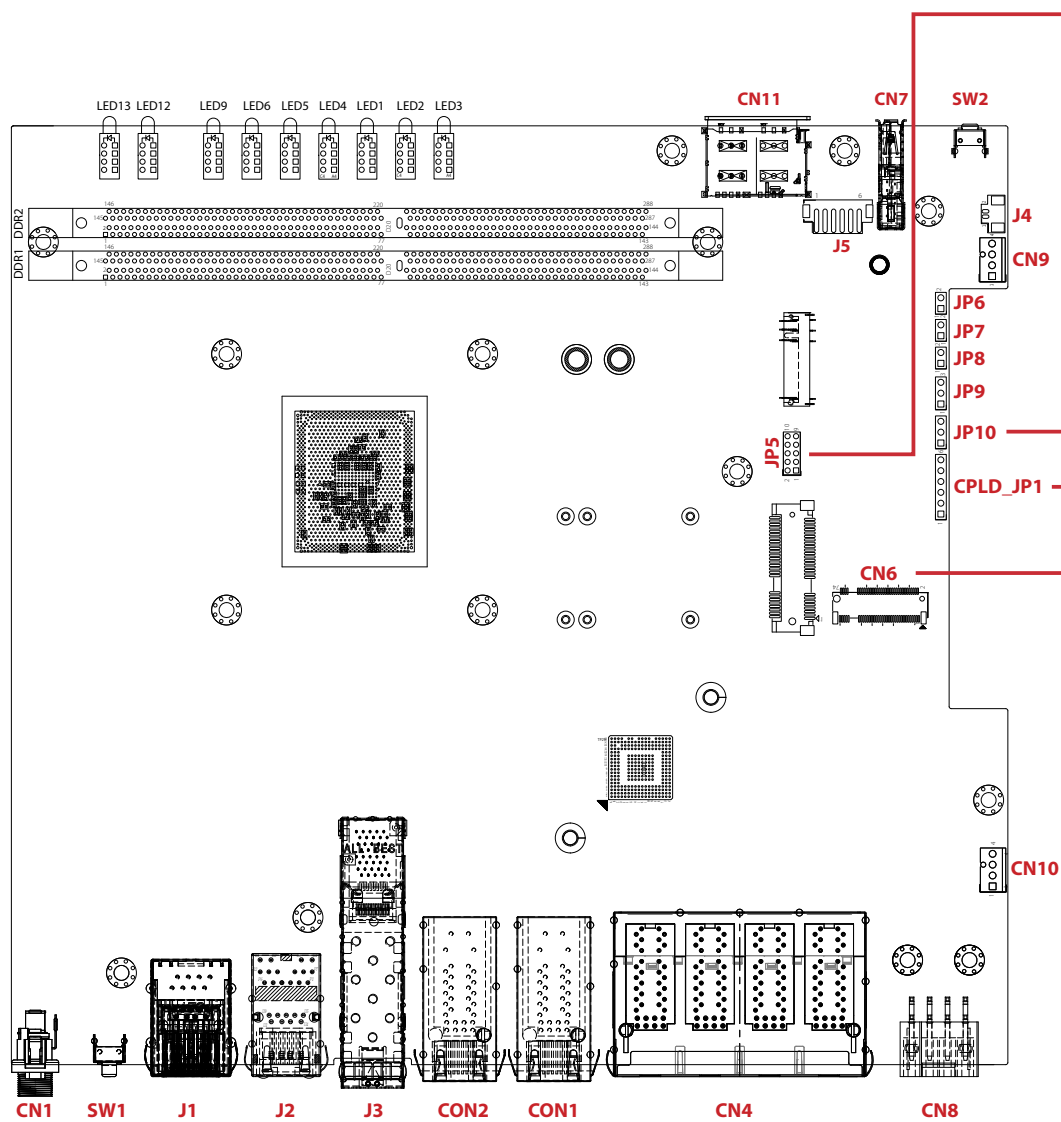
JP8: ME RECOVER MODE Connector

Pin	Signal
NC	Normal (DEFAULT)
1-2	ME RECOVER MODE

JP9: RTC Clear

Pin	Signal
1-2	Normal
2-3	Clear CMOS

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JP5: GPIO

Pin	Signal	Pin	Signal
1	P5V	2	GND
3	SIO_GPIN1	4	SIO_GPOUT1
5	SIO_GPIN2	6	SIO_GPOUT2
7	SIO_GPIN3	8	SIO_GPOUT3
9	SIO_GPIN4	10	SIO_GPOUT4

JP10: PMC Clear

Pin	Signal
1-2	Normal
2-3	Clear PMC

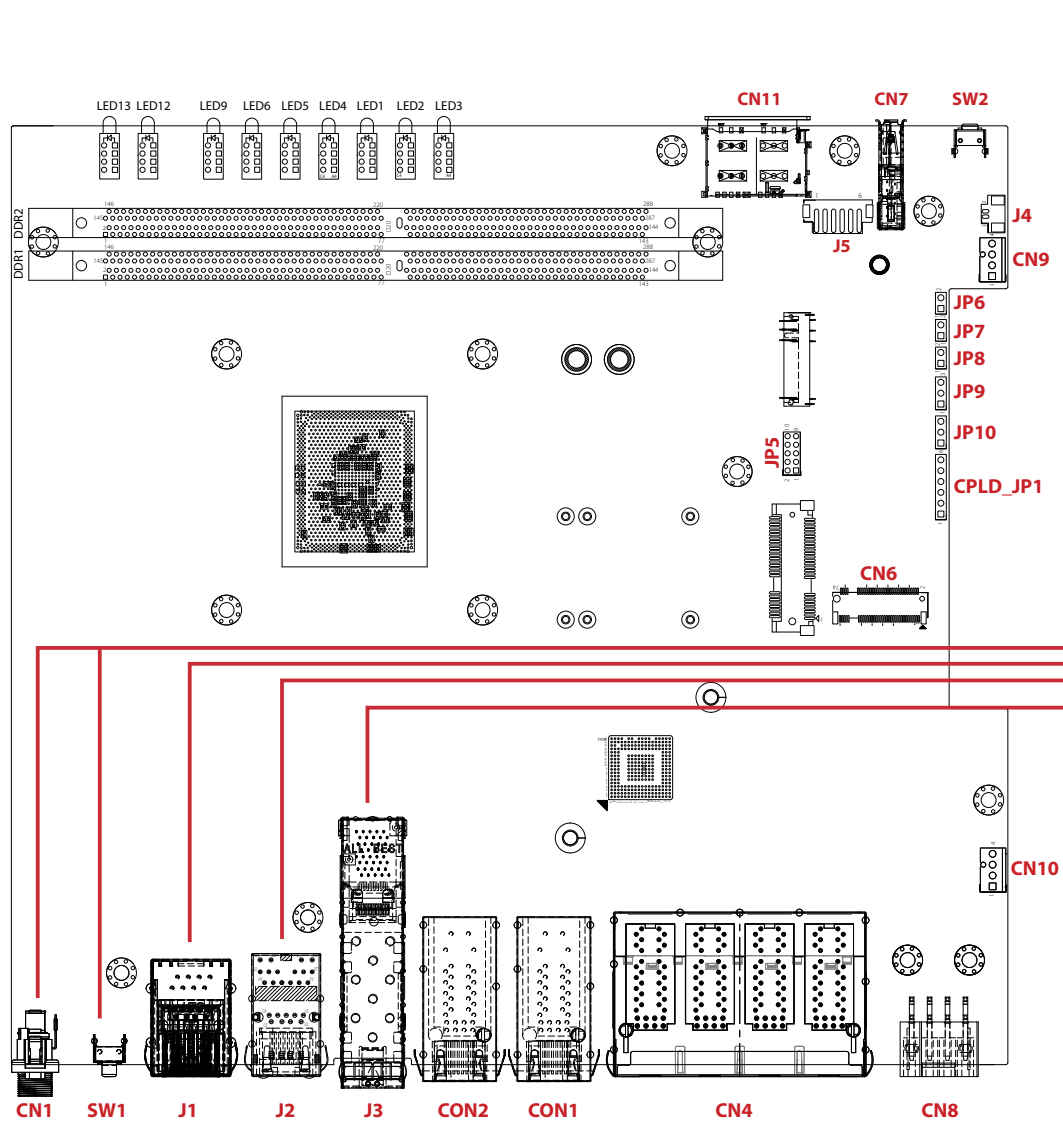
JP1: CPLD Connector

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

CN6: M.2 SSD

Pin	Signal	Pin	Signal	Pin	Signal
1	GND	26	NC	51	GND
2	3.3V	27	GND	52	CLKREQ#
3	GND	28	NC	53	CLK_D-
4	3.3V	29	NC	54	CLK_D+
5	NC	30	NC	55	NC
6	NC	31	NC	56	NC
7	GND	32	NC	57	GND
8	NC	33	GND	58	NC
9	NC	34	NC	59	NC
10	NC	35	NC	60	NC
11	NC	36	NC	61	NC
12	3.3V	37	NC	62	NC
13	NC	38	DEVS_LP	63	NC
14	3.3V	39	GND	64	NC
15	GND	40	NC	65	NC
16	3.3V	41	SATA_RX_D+	66	NC
17	NC	42	NC	67	NC
18	3.3V	43	SATA_RX_D-	68	SUSCLK
19	NC	44	NC	69	NC
20	NC	45	GND	70	3.3V
21	NC	46	NC	71	GND
22	NC	47	SATA_TX_D-	72	3.3V
23	NC	48	SATA_TX_D+	73	GND
24	NC	49	NC	74	3.3V
25	NC	50	PERST#	75	GND

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CN1: DC-12V Power Connector

Pin	Signal
1	GND
2	GND
3	DC_IN

SW1: DC-12V Power Connector

Pin	Signal
2	GND
1	PWR_BTN_CAL_N

J1: Console Port & USB3.0

Pin	Signal	Pin	Signal
1	USB_PORT1_VBUS	P1	SP_RTS1_R
2	USB2_P1-	P2	SP_DTR1_R
3	USB2_P1+	P3	SP_TXD1_R
4	GND	P4	SP_DCD1_R
5	USB3_RX_D1-	P5	GND

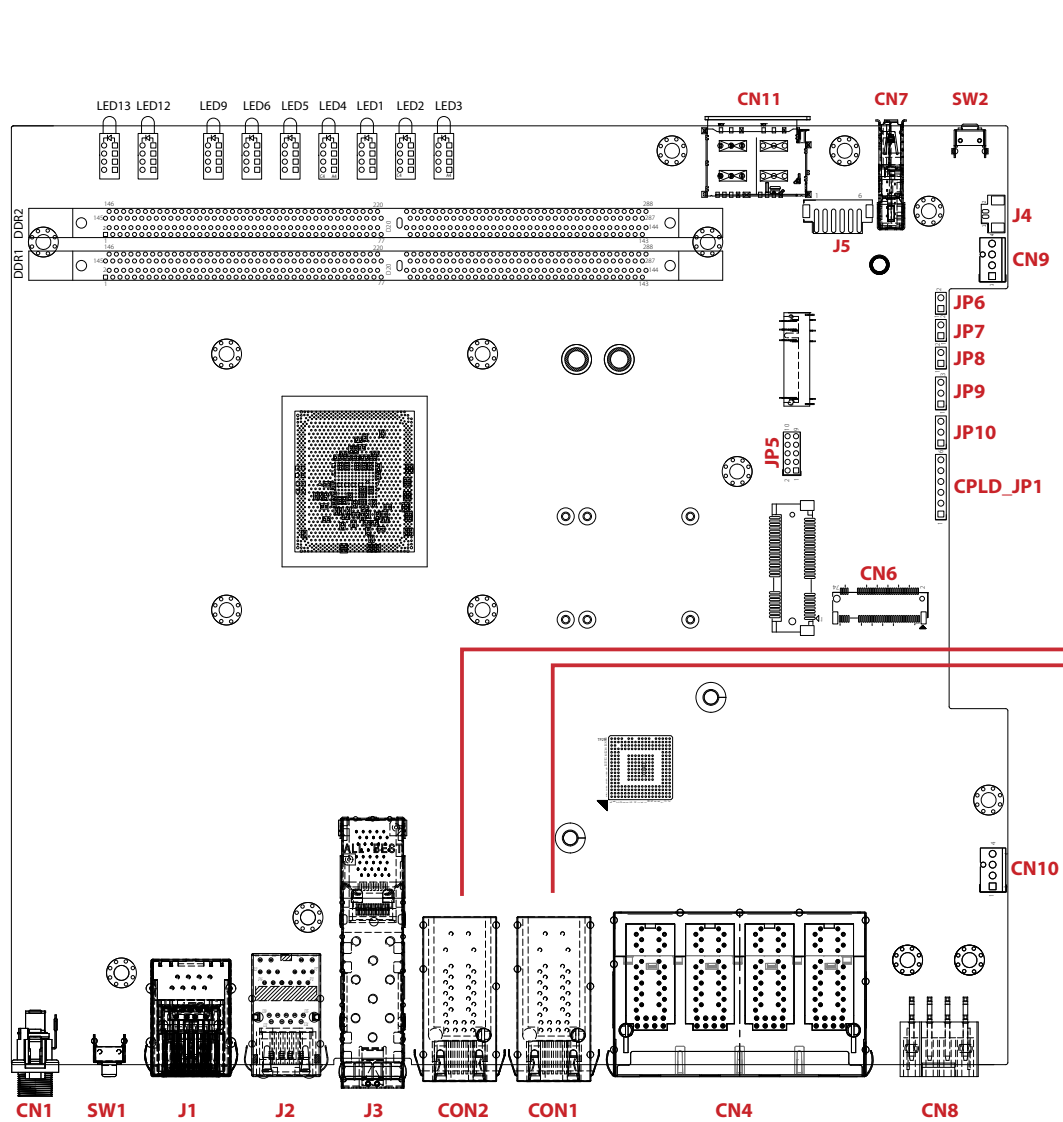
J2: MGMT Port & USB3.0

Pin	Signal	Pin	Signal
1	USB_PORT2_VBUS	11	LAN3_TX0P
2	USB2_P2-	12	LAN3_TX0N
3	USB2_P2+	13	LAN3_TX1P
4	GND	14	LAN3_TX1N
5	USB3_RX_D2-	15	LAN3_TX2P
6	USB3_RX_D2+	16	LAN3_TX2N
7	GND	17	LAN3_TX3P
8	USB3_TX_D2-	18	LAN3_TX3N
9	USB3_TX_D2+		
L1	LAN3_LED_LINK100#	L3	LAN3_LED_ACT#
L2	LAN3_LED_LINK1G#	L4	P3V3_STBY

J3: LAN Connector

Pin	Signal	Pin	Signal
T1	GND	T20	GND
T2	TxFault1	T19	1_SFP+_TD-
T3	TxDisable1	T18	1_SFP+_TD+
T4	P10G_Sda1	T17	GND
T5	P10G_Scl1	T16	3P3V_SFP1_T
T6	ModABS1_L	T15	3P3V_SFP1_R
T7	1_RS0	T14	GND
T8	RxLOS1	T13	1_SFP+_RD+
T9	1_RS1	T12	1_SFP+_RD-
T10	GND	T11	GND
L1	GND	L20	GND
L2	TxFault2	L19	2_SFP+_TD-
L3	TxDisable2	L18	2_SFP+_TD+
L4	P10G_Sda2	L17	GND
L5	P10G_Scl2	L16	3P3V_SFP2_T
L6	ModABS2_L	L15	3P3V_SFP2_R
L7	2_RS0	L14	GND
L8	RxLOS2	L13	2_SFP+_RD+
L9	2_RS1	L12	2_SFP+_RD-
L10	GND	L11	GND

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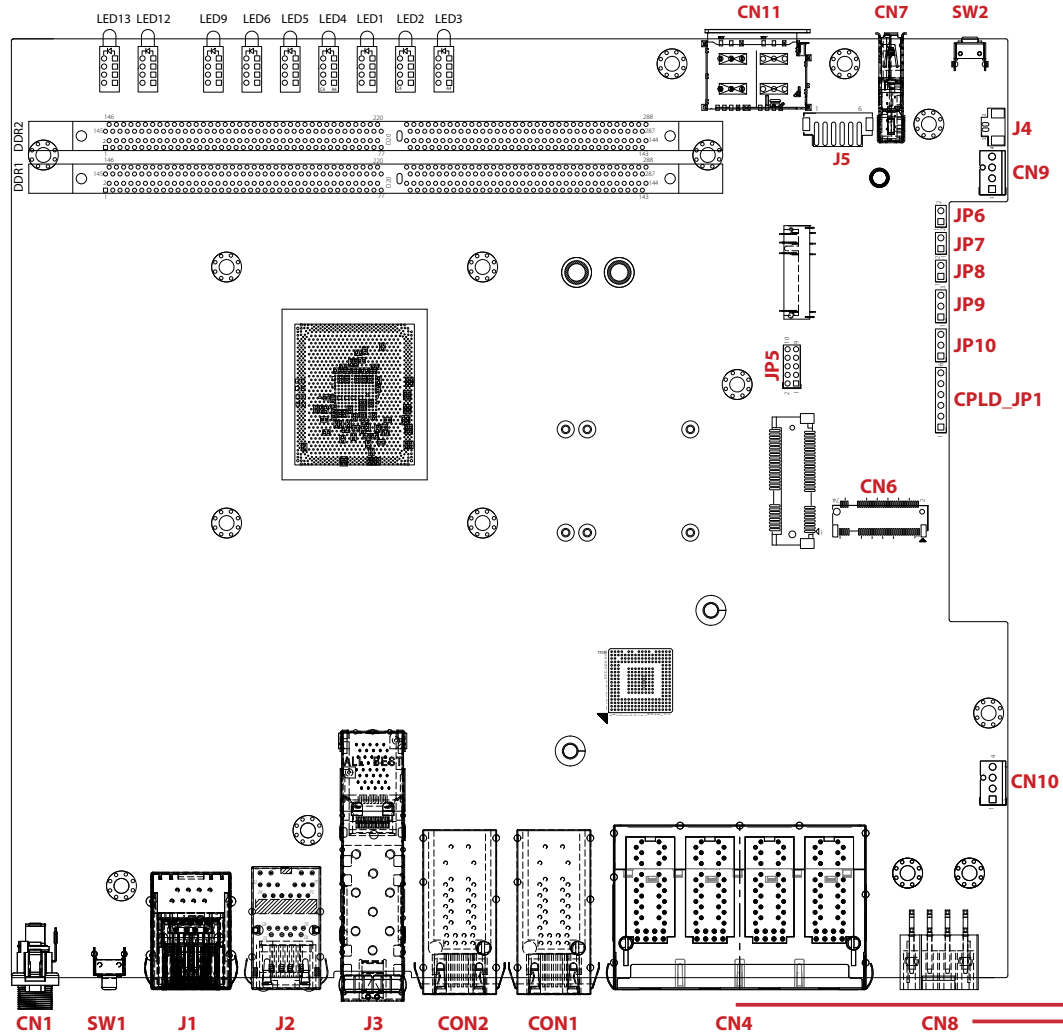
CON2: LAN Connector

Pin	Signal	Pin	Signal
A1	Port3_TX0N	B1	LAN2_MDIN0
A2	Port3_TX0P	B2	LAN2_MDIP0
A3	Port3_TX1N	B3	LAN2_MDIN1
A4	Port3_TX1P	B4	LAN2_MDIP1
A5	Port3_TX2N	B5	LAN2_MDIN2
A6	Port3_TX2P	B6	LAN2_MDIP2
A7	Port3_TX3N	B7	LAN2_MDIN3
A8	Port3_TX3P	B8	LAN2_MDIP3
A9	GND	B9	GND
A10	GND	B10	GND
AL4	P3V3	BL4	P3V3
AL3	P1_LED2	BL3	P3_LED2
AL1	P1_LED1	BL1	P3_LED1
AL2	P1_LED0	BL2	P3_LED0
L5	P10G_Scl2	L16	3P3V_SFP2_T
L6	ModABS2_L	L15	3P3V_SFP2_R
L7	2_RS0	L14	GND
L8	RxLOS2	L13	2_SFP+_RD+
L9	2_RS1	L12	2_SFP+_RD-
L10	GND	L11	GND

CON1: LAN Connector

Pin	Signal	Pin	Signal
A1	LAN1_MDIN0	B1	LAN2_MDIN0
A2	LAN1_MDIP0	B2	LAN2_MDIP0
A3	LAN1_MDIN1	B3	LAN2_MDIN1
A4	LAN1_MDIP1	B4	LAN2_MDIP1
A5	LAN1_MDIN2	B5	LAN2_MDIN2
A6	LAN1_MDIP2	B6	LAN2_MDIP2
A7	LAN1_MDIN3	B7	LAN2_MDIN3
A8	LAN1_MDIP3	B8	LAN2_MDIP3
A9	GND	B9	GND
A10	GND	B10	GND
AL4	P3V3	BL4	P3V3
AL3	LAN1_LED_ACT_N	BL3	LAN2_LED_ACT_N
AL1	LAN1_LED_LINK1000_N	BL1	LAN1_LED_LINK1000_N
AL2	LAN1_LED_LINK2500_N	BL2	LAN2_LED_LINK2500_N
L5	P10G_Scl2	L16	3P3V_SFP2_T
L6	ModABS2_L	L15	3P3V_SFP2_R
L7	2_RS0	L14	GND
L8	RxLOS2	L13	2_SFP+_RD+
L9	2_RS1	L12	2_SFP+_RD-
L10	GND	L11	GND

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CN4: LAN Connector

Pin	Signal	Pin	Signal
A1	P_LAN2_MDIO0P	B1	P_LAN1_MDIO0P
A2	P_LAN2_MDIO0N	B2	P_LAN1_MDIO0N
A3	P_LAN2_MDIO1P	B3	P_LAN1_MDIO1P
A4	P_LAN2_MDIO1N	B4	P_LAN1_MDIO1N
A5	P_LAN2_MDIO2P	B5	P_LAN1_MDIO2P
A6	P_LAN2_MDIO2N	B6	P_LAN1_MDIO2N
A7	P_LAN2_MDIO3P	B7	P_LAN1_MDIO3P
A8	P_LAN2_MDIO3N	B8	P_LAN1_MDIO3N
A9	GND	B9	GND
A10	GND	B10	GND
AL4	P3V3	BL4	P3V3
AL3	PORT2_ACT_N	BL3	PORT1_ACT_N
AL1	PORT2_L100_N	BL1	PORT1_L100_N
AL2	P1_LED0	BL2	P3_LED0
L5	P10G_Scl2	L16	3P3V_SFP2_T
L6	ModABS2_L	L15	3P3V_SFP2_R
L7	2_RS0	L14	GND
L8	RxLOS2	L13	2_SFP+_RD+
L9	2_RS1	L12	2_SFP+_RD-
L10	GND	L11	GND

CN8: DC-54V Power Connector

Pin	Signal
1	Vmain_54V
2	POE_AGND
3	NA
4	P54V_PG
5	NA-
6	NA
7	POE_AGND
8	POE_AGND