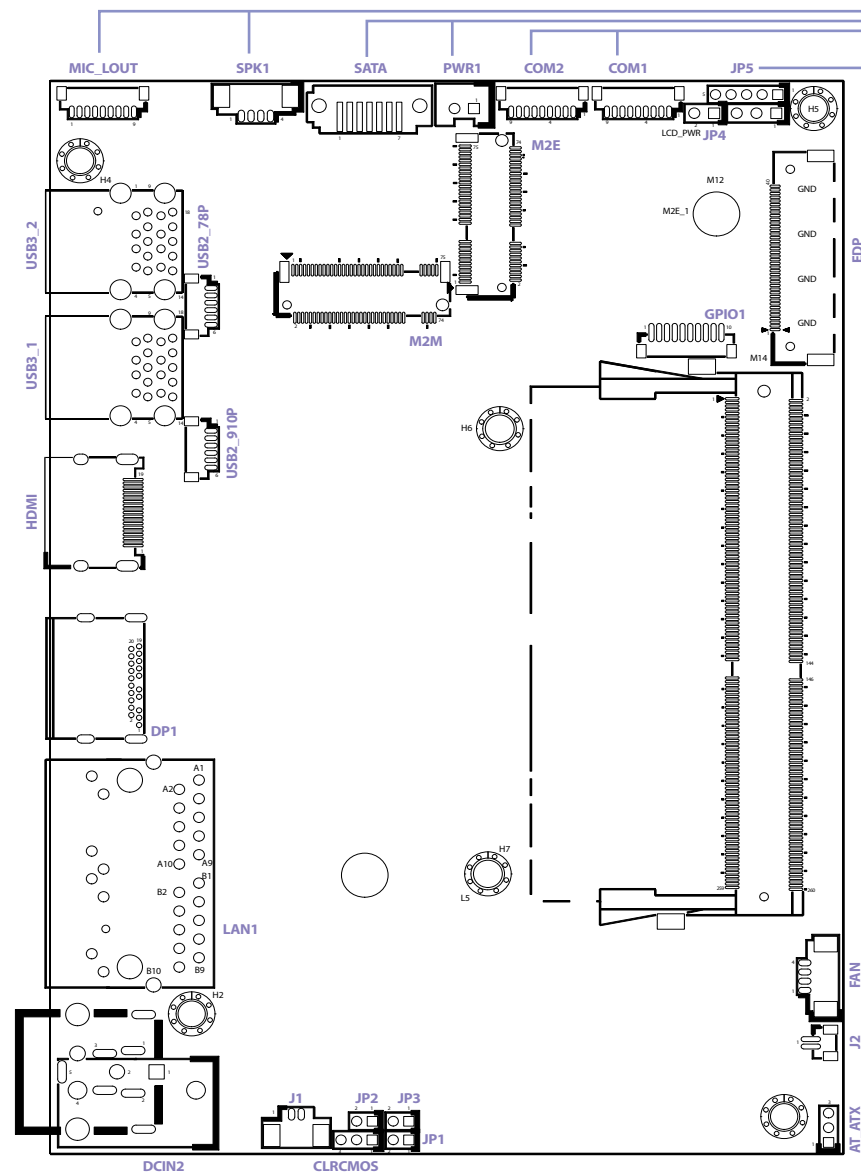


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MIC_LOUT1: MIC&LINE Out Connector

Pin	Function
1	LOUT_R
2	LOUT_JD
3	GND
4	LOUT_L
5	GND
6	MIC_R
7	MIC_JD
8	MIC_L
9	GND

SATA: SATA Connector

Pin	Function
1	GND
2	SATA_TXP
3	SATA_TXN
4	GND
5	SATA_RXN
6	SATA_RXP
7	GND

COM1,COM2: COM Port Connector

Pin	Function
1	RI
2	CTS
3	RTS
4	DSR
5	GND
6	DTR
7	TXD
8	RXD
9	DCD

JP5: RI Connector

Pin	Function
1	RI1
2	COM1_RI
3	+5V
4	COM1_RI
5	+12V

SPK1: Speaker Connector

Pin	Function
1	OUT_L+
2	OUT_L-
3	OUT_R+
4	OUT_R-

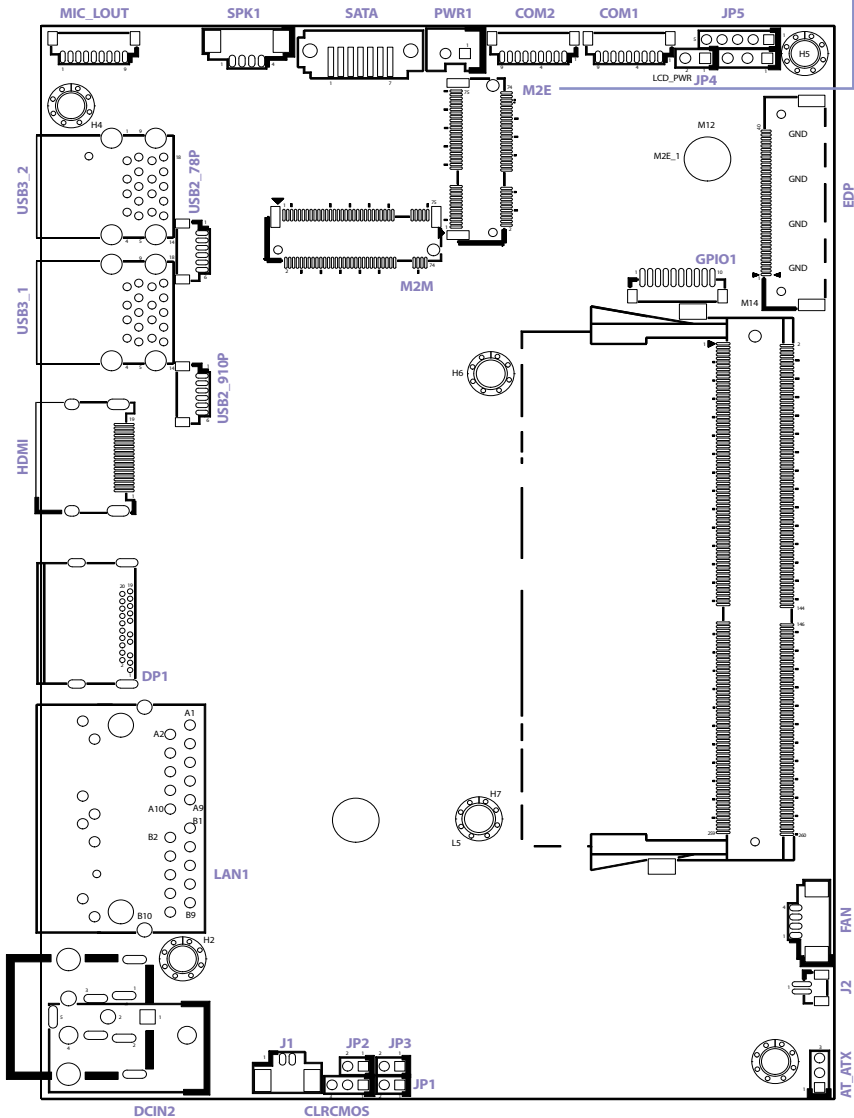
PWR1: SATA Power Connector

Pin	Function
1	+5V
2	GND

JP4: 12V Header

Pin	Function
1	12V
2	GND

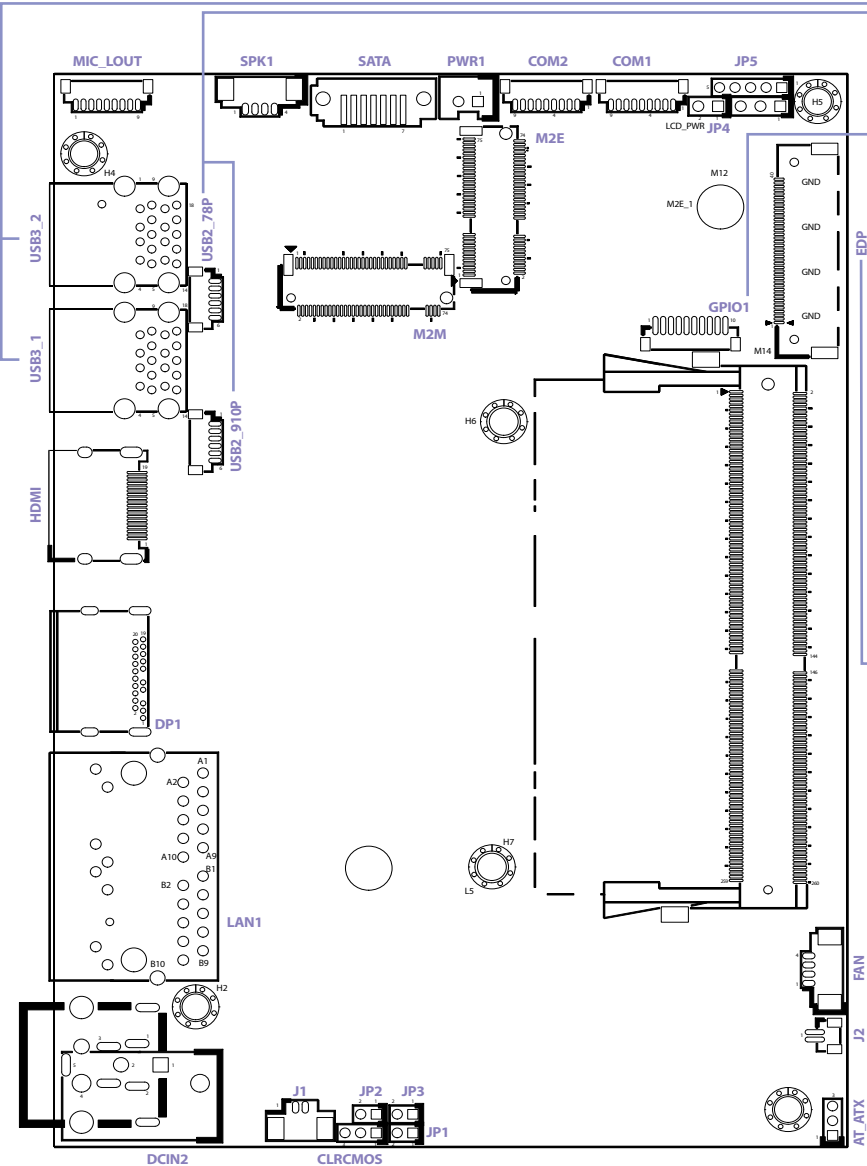
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M2E (2230_M2E)

Pin	Definition	Pin	Definition
1	GND	2	3VSB
3	USBP	4	3VSB
5	USBN	6	NC
7	GND	8	NC
9	NC	10	NC
11	NC	12	NC
13	NC	14	NC
15	NC	16	NC
17	NC	18	NC
19	NC	20	NC
21	NC	22	NC
23	NC	32	NC
33	GND	34	NC
35	PCIE_TXP	36	NC
37	PCIE_TXN	38	NC
39	GND	40	NC
41	PCIE_RXP	42	NC
43	PCIE_RXN	44	NC
45	GND	46	NC
47	CLK_PCIEP	48	NC
49	CLK_PCIEN	50	SUSCLK
51	GND	52	PLTRST#
53	CLKREQ#	54	BT_DISABLE#
55	WAKE#	56	WIFI_DISABLE#
57	GND	58	NC
59	NC	60	NC
61	NC	62	NC
63	GND	64	NC
65	NC	66	NC
67	NC	68	NC
69	GND	70	NC
71	NC	72	3VSB
73	NC	74	3VSB
75	GND	76	

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USB3_1,USB3_2: USB3.0 Connector

Pin	Signal	Pin	Signal
1	VCC	10	+5V
2	DATA0-	11	USB2_2N
3	DATA0+	12	USB2_2P
4	GND	13	GND
5	SluA_SSRX-	14	USB3_RX1N
6	SluA_SSRX+	15	USB3_RX1P
7	GND	16	GND
8	SluA_SSTX-	17	USB3_TX1N
9	SluA_SSTX+	18	USB3_TX1P

USB2_78P1, USB2_910P1:
Internal USB2.0 x2 Port

Pin	Signal
1	GND
2	USB2N
3	USB2P
4	USB1N
5	USB1P
6	+5V

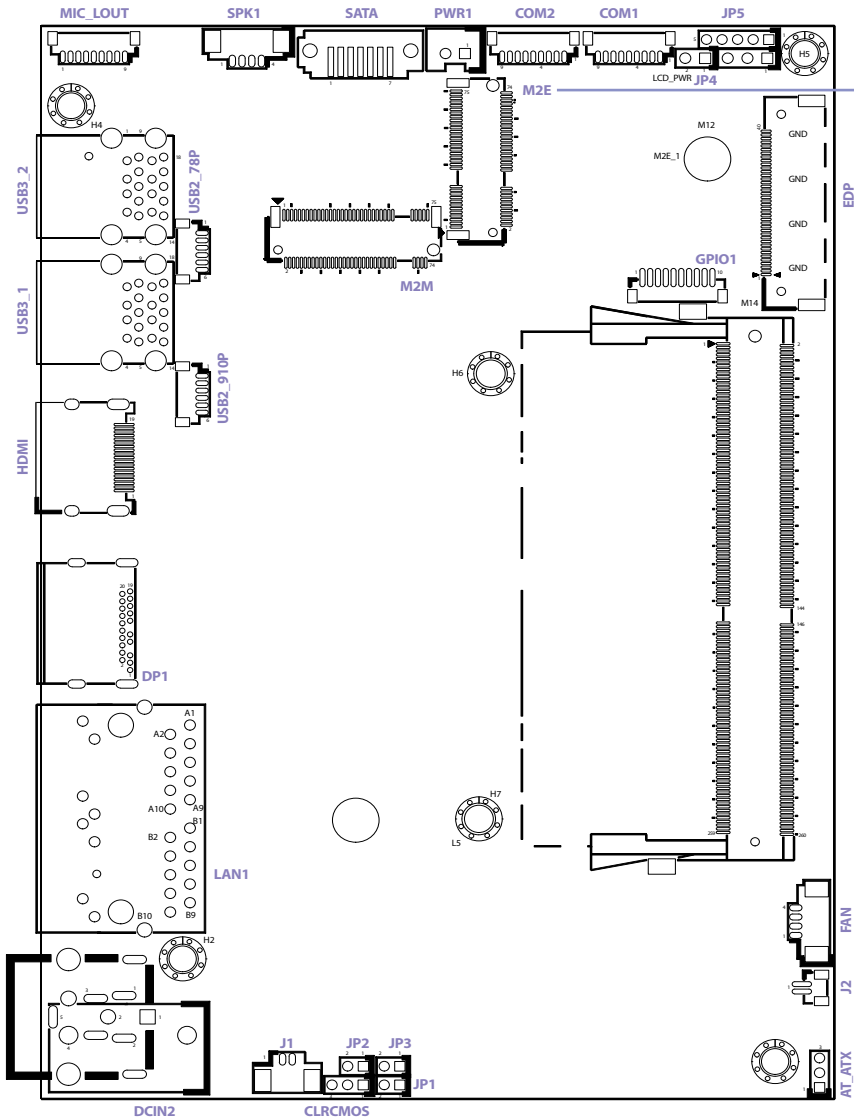
GPIO1: GPIO Connector

Pin	Signal
1	+5V
2	GND
3	I2C_CLK
4	I2C_DATA
5	GPIO_PIN5
6	GPIO_PIN6
7	GPIO_PIN7
8	GPIO_PIN8
9	GPIO_PIN9
10	GPIO_PIN10

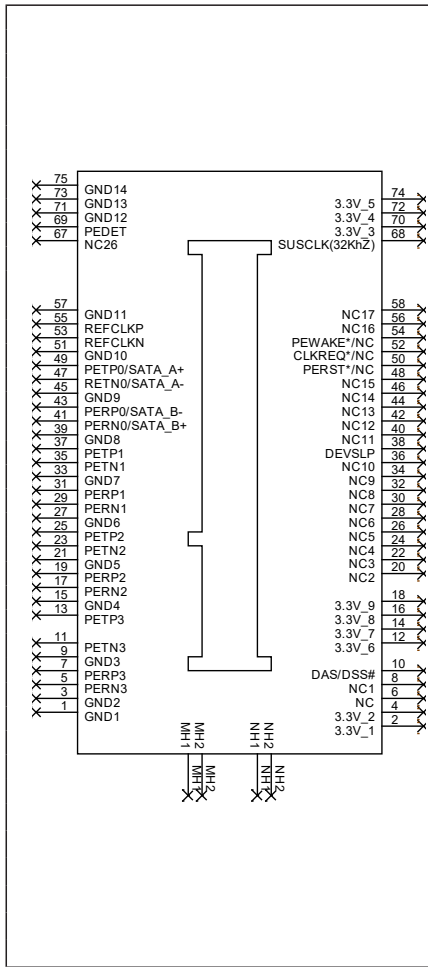
EDP1: eDP Connector

Pin	Signal	Pin	Signal
1	EDP_D3-	21	GND
2	EDP_D3+	22	NC
3	GND	23	GND
4	EDP_D2-	24	GND
5	EDP_D2+	25	GND
6	GND	26	EDP_AUXP
7	EDP_D1-	27	EDP_AUXN
8	EDP_D1+	28	GND
9	GND	29	GND
10	EDP_D0-	30	GND
11	EDP_D0+	31	HPD
12	GND	32	EDP_BKLT_EN
13	NC	33	EDP_BKLT_CTRL
14	NC	34	NC
15	NC	35	NC
16	NC	36	+12V
17	GND	37	+12V
18	+V_PANEL (3.3V or 5V)	38	+12V
19	+V_PANEL (3.3V or 5V)	39	+12V
20	+V_PANEL (3.3V or 5V)	40	NC

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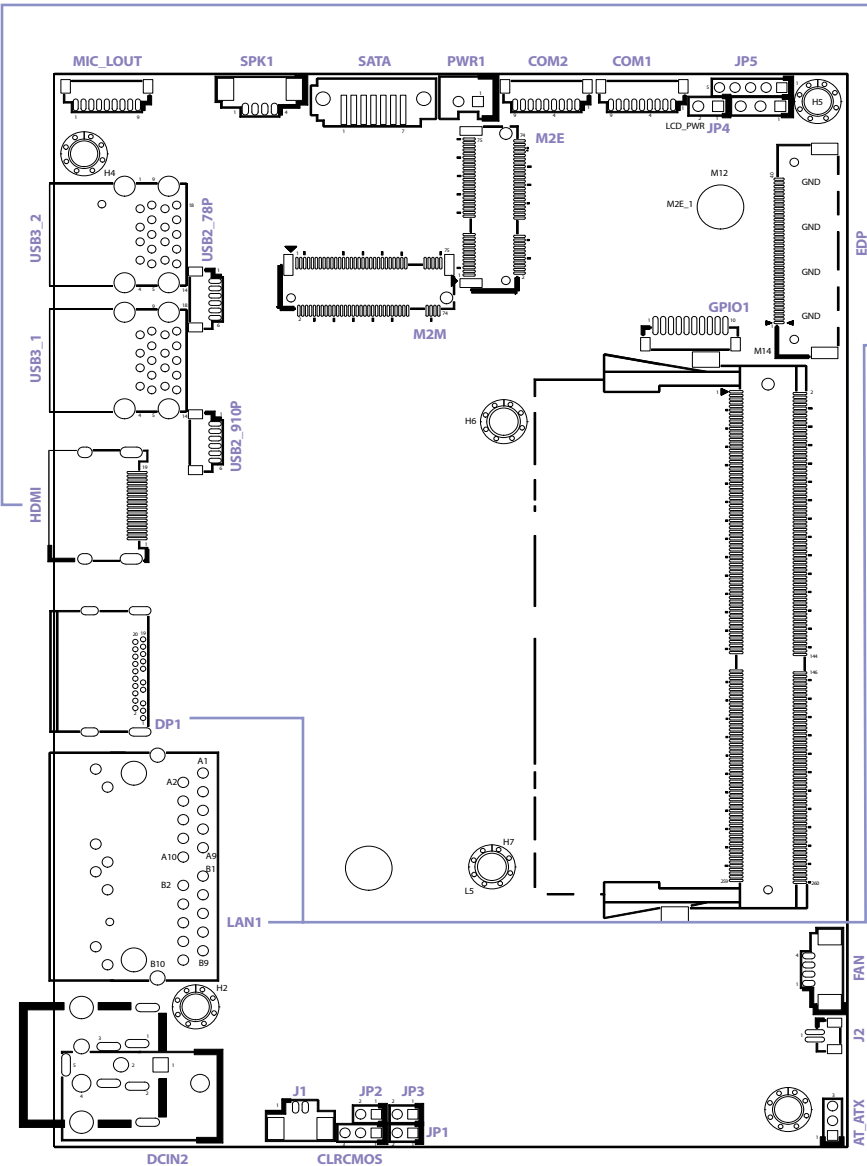


M2M (2280_2242_M2M)



Pin	Definition	Pin	Definition
1	GND	2	+3VSB
3	GND	4	+3VSB
5	PCIE4_RXN	6	NC
7	PCIE4_RXP	8	NC
9	GND	10	M2M_LED#
11	PCIE4_RXN	12	+3VSB
13	PCIE4_RXP	14	+3VSB
15	GND	16	+3VSB
17	PCIE3_RXN	18	+3VSB
19	PCIE3_RXP	20	NC
21	GND	22	NC
23	PCIE3_RXN	24	NC
25	PCIE3_RXP	26	NC
27	GND	28	NC
29	PCIE2_RXN	30	NC
31	PCIE2_RXP	32	NC
33	GND	34	NC
35	PCIE2_RXN	36	NC
37	PCIE2_RXP	38	DEVSLP
39	GND	40	NC
41	SATA_RXP(PCIE1_RXP)	42	NC
43	SATA_RXN(PCIE1_RXN)	44	NC
45	GND	46	NC
47	SATA_TXN(PCIE1_TXN)	48	NC
49	SATA_TXP(PCIE1_TXP)	50	RESET#
51	GND	52	CLKREQ#
53	CLK_PCIEN	54	WAKE#
55	CLK_PCIEP	56	NC
57	GND	58	NC
67	NC	68	NC
69	M2M_PEDET	70	+3VSB
71	GND	72	+3VSB
73	GND	74	+3VSB
75	GND	76	3VSB
35	PCIETXN18	73	GND
36	NC	74	3VSB
37	PCIETXP18	75	GND
38	DEVSLP_0		

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HDMI: Connector

Pin	Function	Pin	Function
1	D2+	11	GND
2	D2- SHIELD	12	CLKN
3	D1+	13	NC
4	D1- SHIELD	14	NC
5	D0+	15	SCL
6	D0- SHIELD	16	SDA
7	CK+	17	GND
8	CK- SHIELD	18	+5V
9	NC	19	HPD
10	SCL		
11	SDA		
12	PGND		
13	+5V		
14	HPD		
15	MH1		
16	MH2		
17	MH3		
18	MH4		
19	MH5		
20	MH6		

DP1: Connector

Pin	Function
1	DP0
2	GND
3	DN0
4	DP1
5	GND
6	DN1
7	DP2
8	GND
9	DN2
10	DP3
11	GND
12	DN3
13	CONFIG1
14	CONFIG2
15	AUXP
16	GND
17	AUXN
18	HPD
19	GND
20	+3V

LAN1: Connector

Pin	Function
1	MDI_0P
2	MDI_0N
3	MDI_1P
4	MDI_1N
5	MDI_2P
6	MDI_2N
7	MDI_3P
8	MDI_3N
9	CT
10	GND
11	LINK1000#
12	LINK100#
13	ACTLED#
14	+3VSB

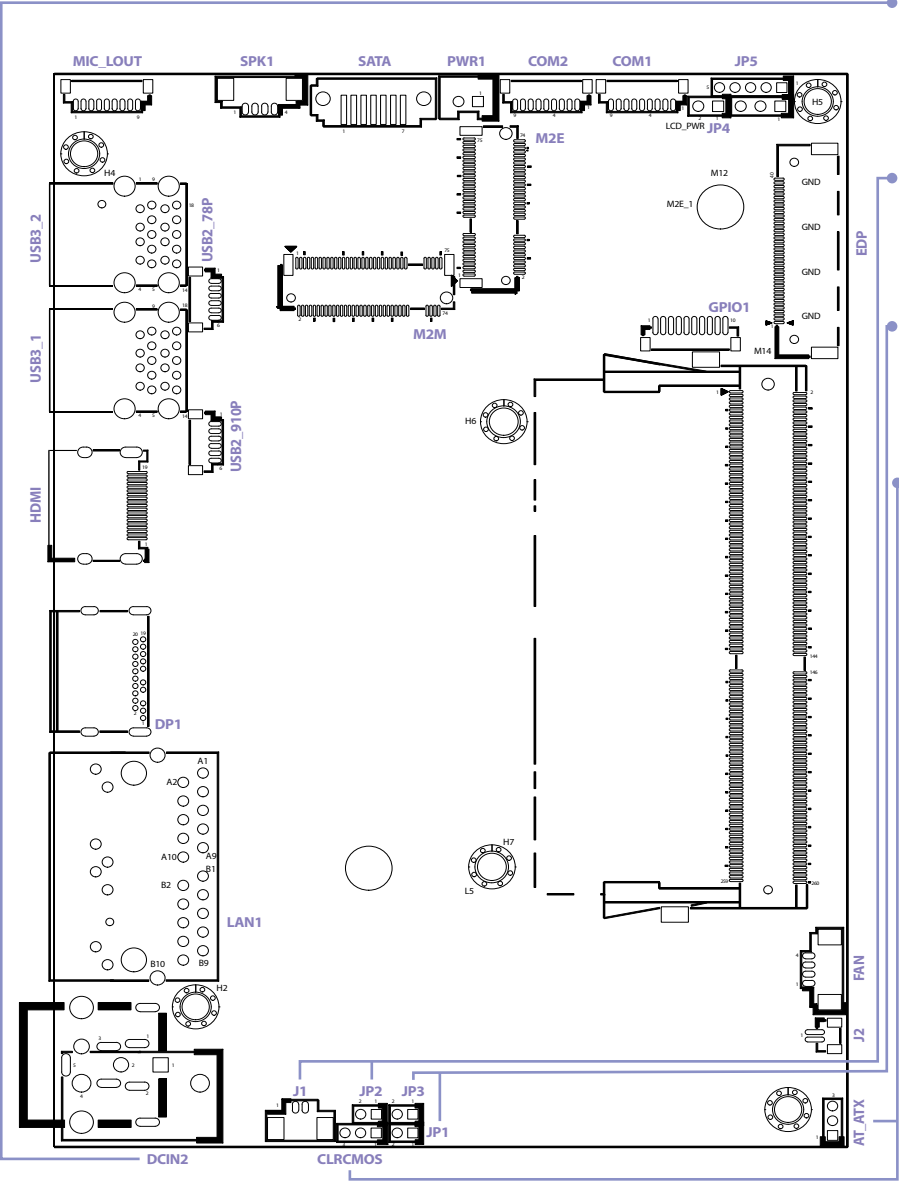
FAN: Connector

Pin	Function
1	GND
2	+12V
3	FAN SPEED DETECT
4	FAN SPEED CONTROL

J2: System Power Button

Pin	Function
1	GND
2	PWRBTN#

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• **DCIN2: DC Power Input Jack (+12V only)**

	Pin	Function	Pin	Function
	1	+12VSUS	4	GND
	2	+12VSUS	5	CGND
	3	GND		

• **J1: Battery Connector**

	Pin	Function
	1	GND
	2	BAT

• **JP2: HDD LED Connector**

	Pin	Function
	1	HDD_LED+
	2	HDD_LED-

• **JP3: System Rest Mutton**

	Pin	Function
	1	GND
	2	RESET#

• **JP1: Power LED Connector**

	Pin	Function
	1	PWR_LED-
	2	PWR_LED+

• **CLRCMOS: Clear CMOS**

	Pin	Function
	1	Normal (default)
	2	Clear CMOS

• **AT_ATX: ATX/AT Mode Select**

	Pin	Function
	1-2	AT
	2-3	ATX (default)