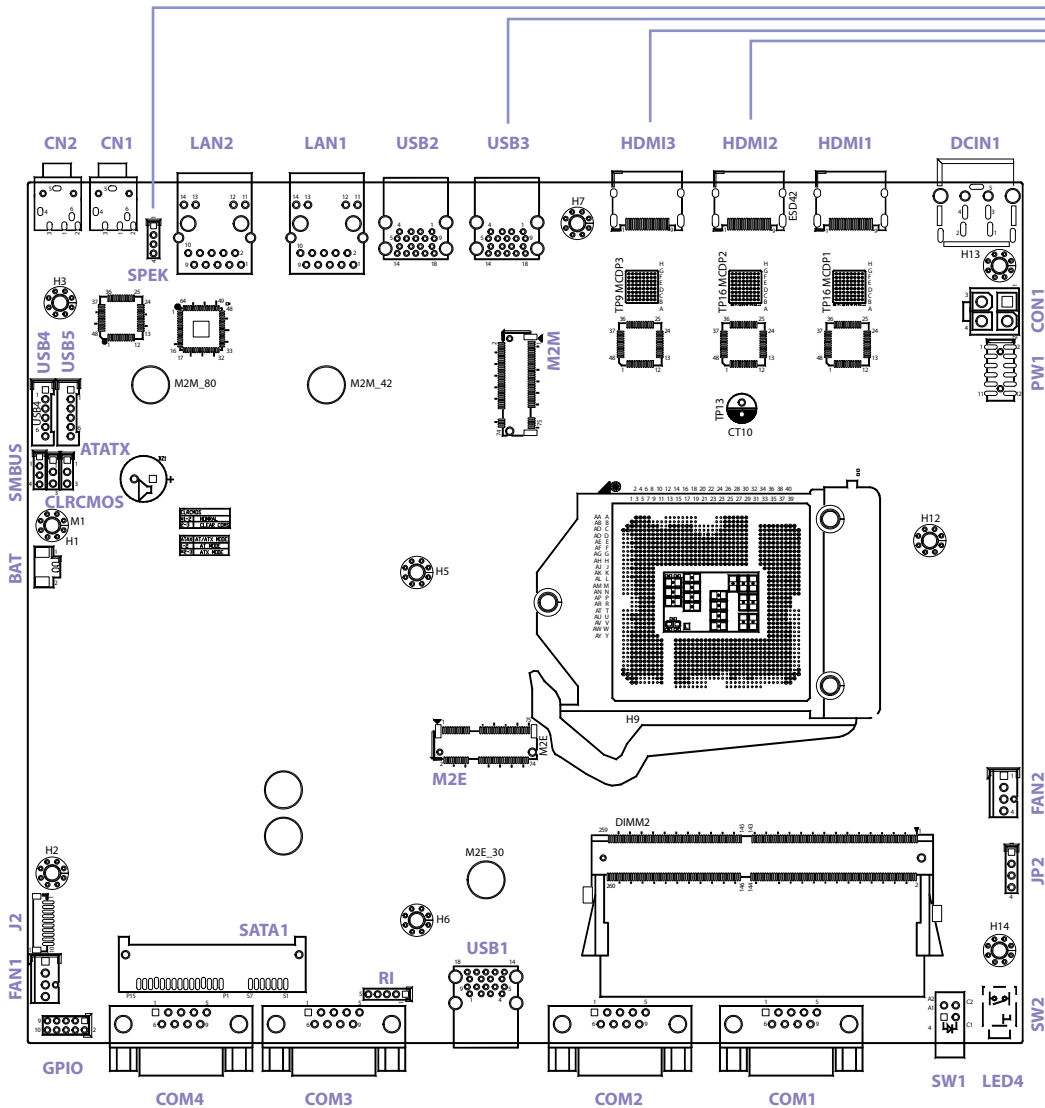


NDiS B560/B560S Quick Reference Guide



SPEAK: SPEK PIN Headwe Connector

1	Pin	Signal	Pin	Signal
2	1	OUT-LR+_C	2	OUT-LR-_C
3	3	GND	4	OUT-RR+_C
4	5	OUT-RR-_C		

USB3: USB3.1 Connector

Pin	Description	Pin	Description
1	5VUSB3	2	USB2N_1
3	USB2P_1	4	GND
5	S_USB31_RXN1	6	S_USB31_RXP1
7	GND	8	USB31_TXN1
9	USB31_TXP1	10	5VUSB3
11	USB2N_2	12	USB2P_2
13	GND	14	S_USB31_RXN2
15	S_USB31_RXP2	16	GND
17	USB31_TXN2	18	USB31_TXP2
MH1	REAR_GND	MH2	REAR_GND
MH3	REAR_GND	MH4	REAR_GND

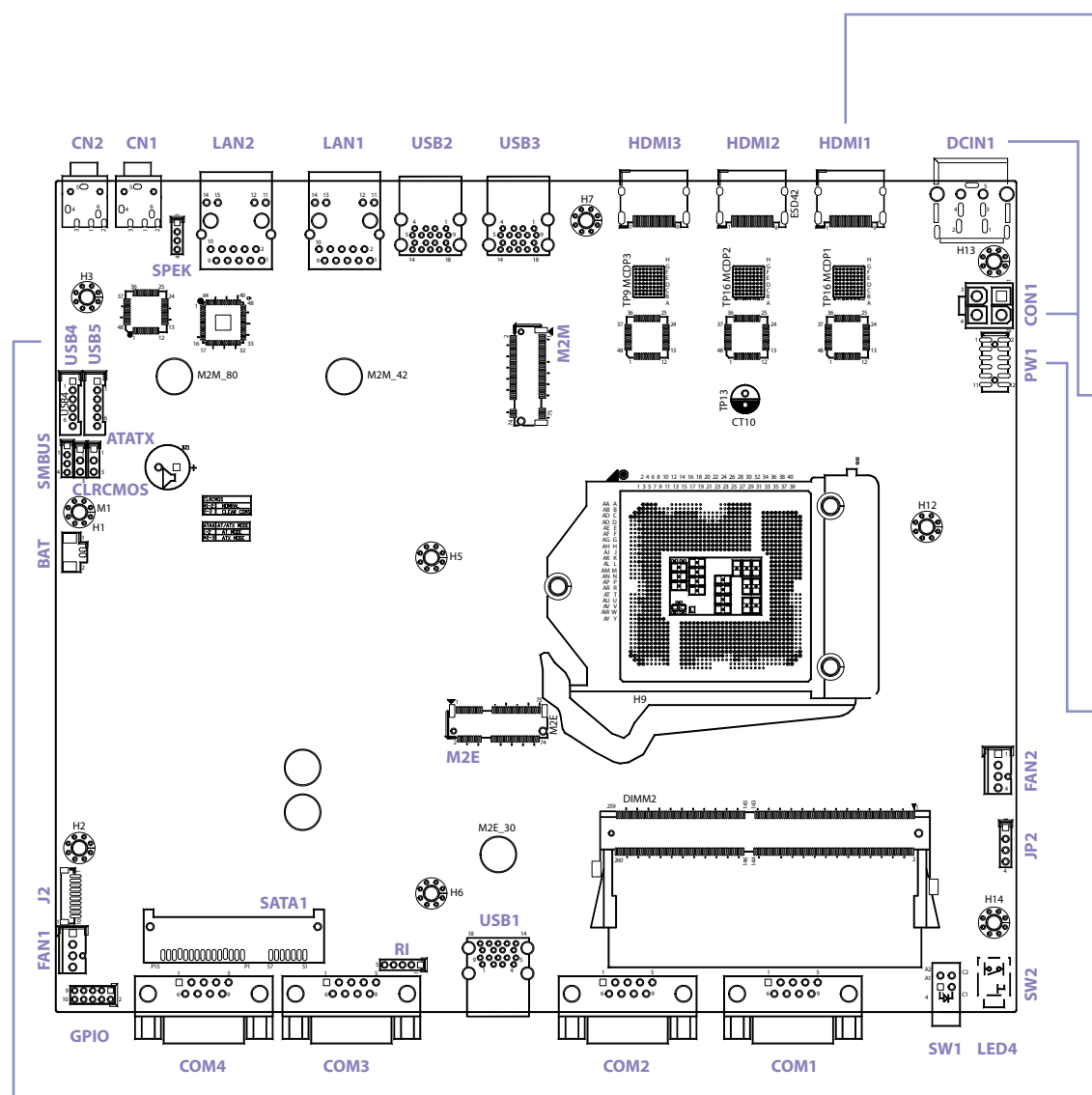
HDMI3: HDMI3 Connector (NDiS B560-Q370 Only)

Pin	Description	Pin	Description
1	HDMI3_TX2_P_CN	2	GND
3	HDMI3_TX2_N_CN	4	HDMI3_TX1_P_CN
5	GND	6	HDMI3_TX1_N_CN
7	HDMI3_TX0_P_CN	8	GND
9	HDMI3_TX0_N_CN	10	HDMI3_CLK_P_CN
11	GND	12	HDMI3_CLK_N_CN
13	HDMI3_CEC	14	NC
15	HDMI3_SCL	16	HDMI3_SDA
17	GND	18	HDMI3_PWR_C
19	HDMI3_HPD_C	MH1	REAR_GND
MH2	REAR_GND	MH3	REAR_GND
MH4	REAR_GND		

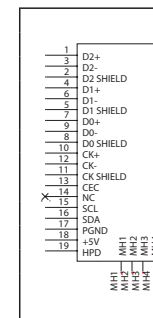
HDMI2: HDMI2 Connector

Pin	Description	Pin	Description
1	HDMI2_TX2_P_CN	2	GND
3	HDMI2_TX2_N_CN	4	HDMI2_TX1_P_CN
5	GND	6	HDMI2_TX1_N_CN
7	HDMI2_TX0_P_CN	8	GND
9	HDMI2_TX0_N_CN	10	HDMI2_CLK_P_CN
11	GND	12	HDMI2_CLK_N_CN
13	HDMI2_CEC	14	NC
15	HDMI2_SCL	16	HDMI2_SDA
17	GND	18	HDMI2_PWR_C
19	HDMI2_HPD_C	MH1	REAR_GND
MH2	REAR_GND	MH3	REAR_GND
MH4	REAR_GND		

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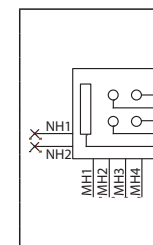


HDMI1: HDMI1 Connector



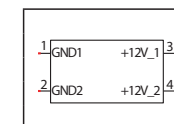
Pin	Description	Pin	Description
1	HDMI1_TX2_P_CN	2	GND
3	HDMI1_TX2_N_CN	4	HDMI1_TX1_P_CN
5	GND	6	HDMI1_TX1_N_CN
7	HDMI1_TX0_P_CN	8	GND
9	HDMI1_TX0_N_CN	10	HDMI1_CLK_P_CN
11	GND	12	HDMI1_CLK_N_CN
13	HDMI1_CEC	14	NC
15	HDMI1_SCL	16	HDMI1_SDA
17	GND	18	HDMI1_PWR_C
19	HDMI1_HPD_C	MH1	REAR_GND
MH2	REAR_GND	MH3	REAR_GND
MH4	REAR_GND		

DCIN1: DC IN Connector



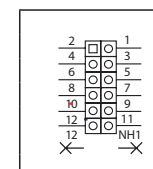
Pin	Description
1	12VSB
2	12VSB
3	GND
4	GND
5	GND
MH1	REAR_GND
MH2	REAR_H_GND
MH3	REAR_H_GND
MH4	REAR_GND

CON1: CON1 Connector



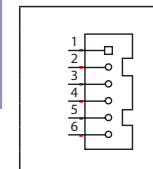
Pin	Description
1	GND
2	GND
3	12VSB
4	12VSB

PW1: DC IN for NTK-B560-PW Connector



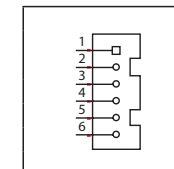
Pin	Description	Pin	Description
1	12VSB	2	GND
3	12VSB	4	GND
5	12VSB	6	GND
7	12VSB	8	GND
9	12VSB	10	GND
11	12VSB	12	GND

USB4: USB2.0 Pin Header Connector (NDiS B560-Q370 Only)



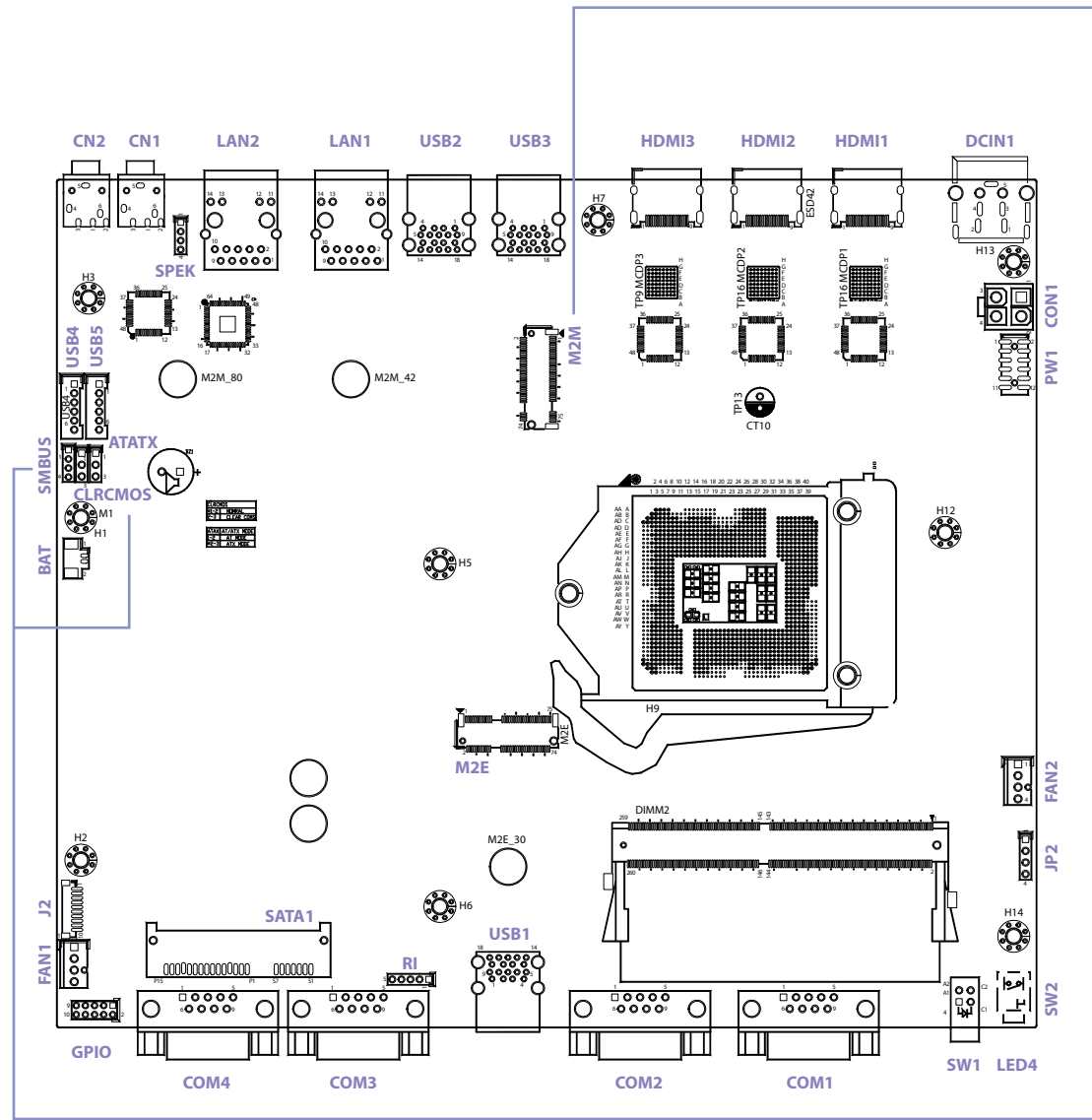
Pin	Description
1	P5V_USB_P10
2	USB2N_10
3	USB2P_10
4	USB2N_11
5	USB2P_11
6	GND

USB5: USB2.0 Pin Header Connector (NDiS B560-Q370 Only)



Pin	Description
1	P5V_USB_P1213
2	USB2N_12
3	USB2P_12
4	USB2N_13
5	USB2P_13
6	GND

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M2M: NGFF Key M Connector

Pin	Signal	Pin	Signal
1	GND	39	GND
2	3VSB	40	NC
3	GND	41	PCIEXP17
4	3VSB	42	NC
5	H_PCIERXN20	43	PCIEXP17
6	NC	44	NC
7	H_PCIERXN20	45	GND
8	NC	46	NC
9	GND	47	PCIEXP17
10	DSS#_1	48	NC
11	PCIEXP20	49	PCIEXP17
12	3VSB	50	M2_PLTRSTN1
13	PCIEXP20	51	GND
14	3VSB	52	SRCCLKREQ3N
15	GND	53	I_CLKOUTPCIE3
16	3VSB	54	I_WAKEN
17	H_PCIERXN19	55	I_CLKOUTPCIE3
18	3VSB	56	NC
19	H_PCIEXP19	57	GND
20	NC	58	NC
21	GND	59	NC
22	NC	60	NC
23	PCIEXP19	61	NC
24	NC	62	NC
25	PCIEXP19	63	NC
26	NC	64	NC
27	GND	65	NC
28	NC	66	NC
29	H_PCIERXN18	67	NC
30	NC	68	I_SUSCLK2
31	H_PCIEXP18	69	S_SATAXPICIE4
32	NC	70	3VSB
33	GND	71	NC
34	NC	72	3VSB
35	PCIEXP18	73	GND
36	NC	74	3VSB
37	PCIEXP18	75	GND
38	DEVSLP_0		

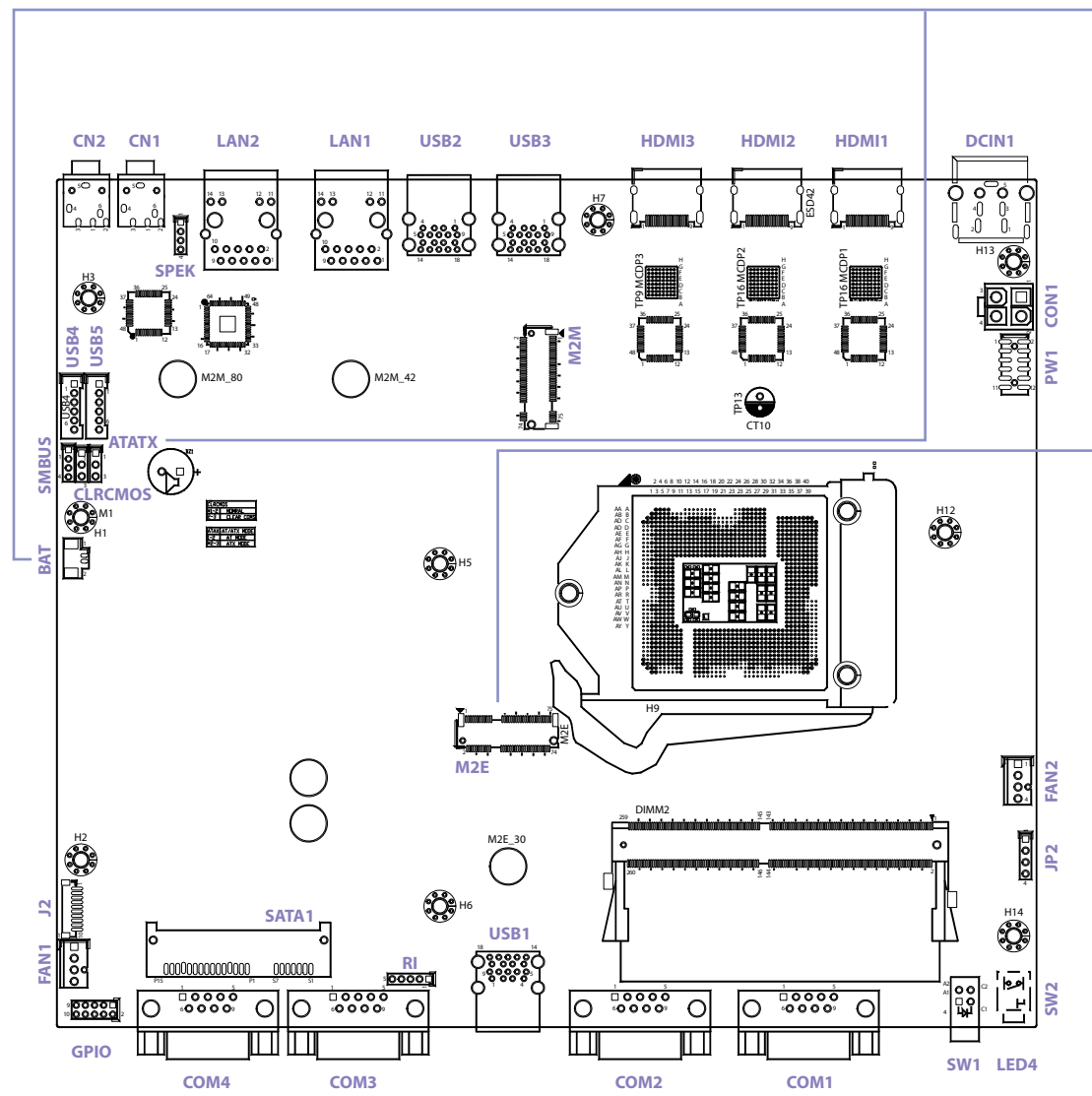
SMBUS: SMABUS Pin Header

Pin	Description
1	VCC3
2	SMB_CLK
3	SMB_DATA
4	GND

CLRCMOS: Clear CMOS

Pin	Description
1	NC
2	S_RTCRST#
3	USB2P_12

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ATATX: AT/ATX SEL Connector

	Pin	Description
	1	ATX_AT
	2	S_PWRBTN#
3	PBT_SW	

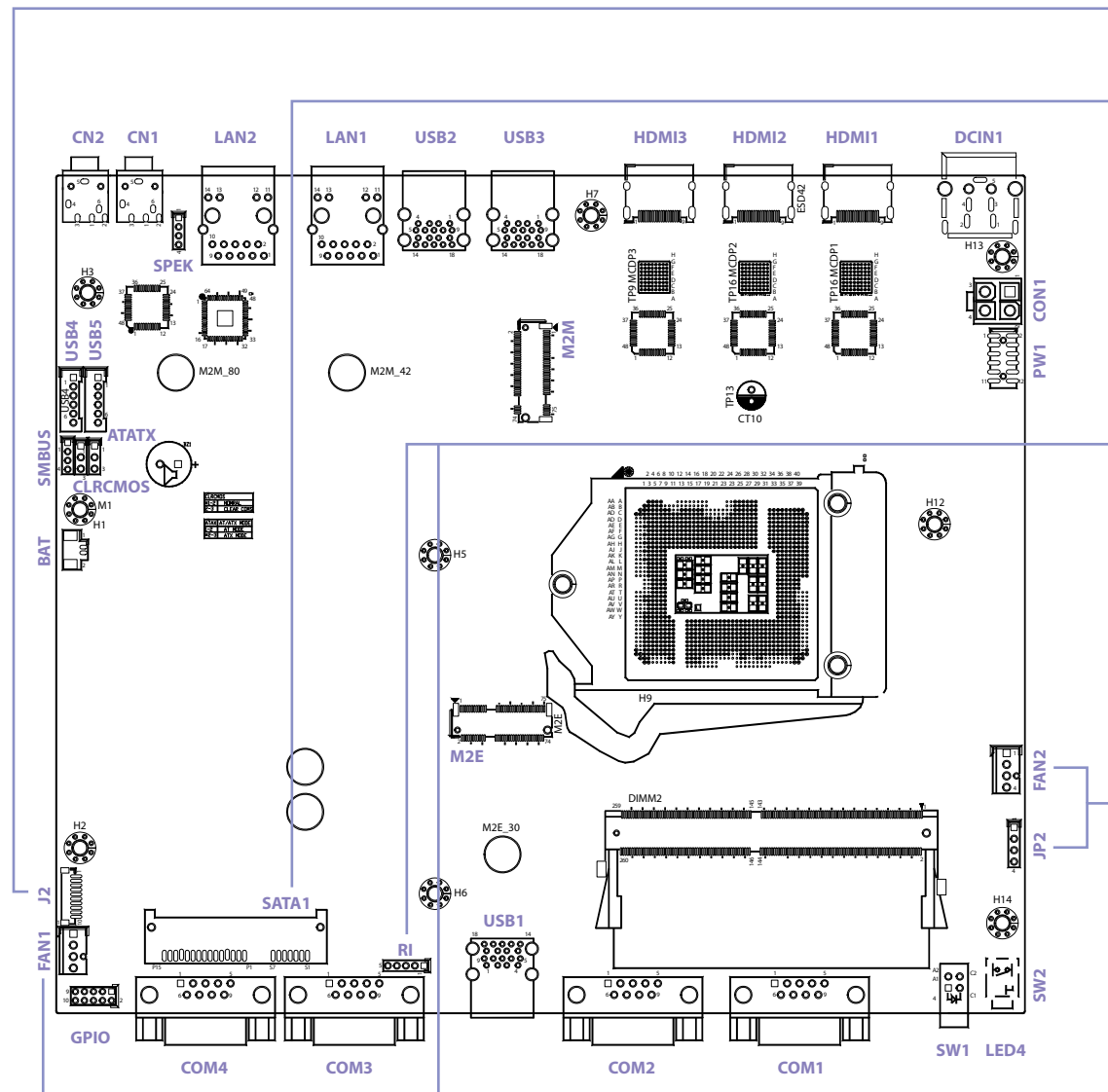
BAT: BAT Connector

	Pin	Description
	1	3V_BAT1
2	GND	

M2E: NGFF Key E Connector

Pin	Signal	Pin	Signal
1	GND	39	GND
2	NGFF_3V3	40	M2E_CLINK_DATA_WLAN
3	M2E_USBP	41	H_PCIEXP8
4	NGFF_3V3	42	M2E_CLINK_CLK_WLAN
5	M2E_USBN	43	H_PCIEXN8
6	NC	44	NC
7	H_PCIEXP20	45	GND
8	NC	46	NC
9	NC	47	I_CLKOUTPCIEP7
10	NC	48	NC
11	NC	49	I_CLKOUTPCIEP7
12	NC	50	PCIEREQ#_NGFF_R
13	NC	51	GND
14	NC	52	CONFIG_0
15	NC	53	SRCCLKREQ7N
16	NC	54	CONFIG_1
17	NC	55	I_WAKEN
18	GND3VSB	56	CONFIG_2
19	NC	57	GND
20	NC	58	NC
21	NC	59	M2E_PCIE_TXP1
22	NC	60	NC
23	NC	61	M2E_PCIE_TXN1
24	NC	62	NC
25	NC	63	GND
26	NC	64	NC
27	NC	65	H_PCIEXP7
28	NC	66	RST_M2E
29	NC	67	H_PCIEXN7
30	NC	68	SRCCLKREQ6N
31	NC	69	GND
32	NC	70	I_WAKEN
33	GND	71	I_CLKOUTPCIEP6
34	NC	72	NGFF_3V3
35	M2E_PCIE_TXP0	73	I_CLKOUTPCIEP6
36	NC	74	NGFF_3V3
37	M2E_PCIE_TXN0	75	GND
38	M2E_CLINK_RST_WLAN_N		

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J2: Port 80 Connector

	Pin	Description	Pin	Description
	1	GND	6	ESPI_IO2
	2	SIO_PLTRSTN	7	ESPI_IO1
	3	CLKOUT_LPC1	8	ESPI_IO0
	4	ESPI_CS0#	9	SERIRQ
	5	ESPI_IO3	10	VCC3
	MH1	GND	MH2	GND

SATA1: SATA Connector

	Pin	Description	Pin	Description
	S1	GND	S2	SATA_TXP2
	S3	SATA_TXN2	S4	GND
	S5	SATA_RXN2	S6	SATA_RXP2
	S7	GND	P1	NC
	P2	NC	P3	NC
	P4	GND	P5	GND
	P6	GND	P7	SATA_5V
	P8	SATA_5V	P9	SATA_5V
	P10	GND	P11	NC
	P12	GND	P13	NC
	P14	NC	P15	NC

FAN1: FAN1 Connector

	Pin	Description
	1	GND
	2	VCC12
	3	FANIN1
	4	FANOUT1

RI: RI Connector

	Pin	Description
	1	VCC5
	2	RI_VCC12_VCC5
	3	VCC12
	4	RI_VCC12_VCC5
	5	COM3RIL

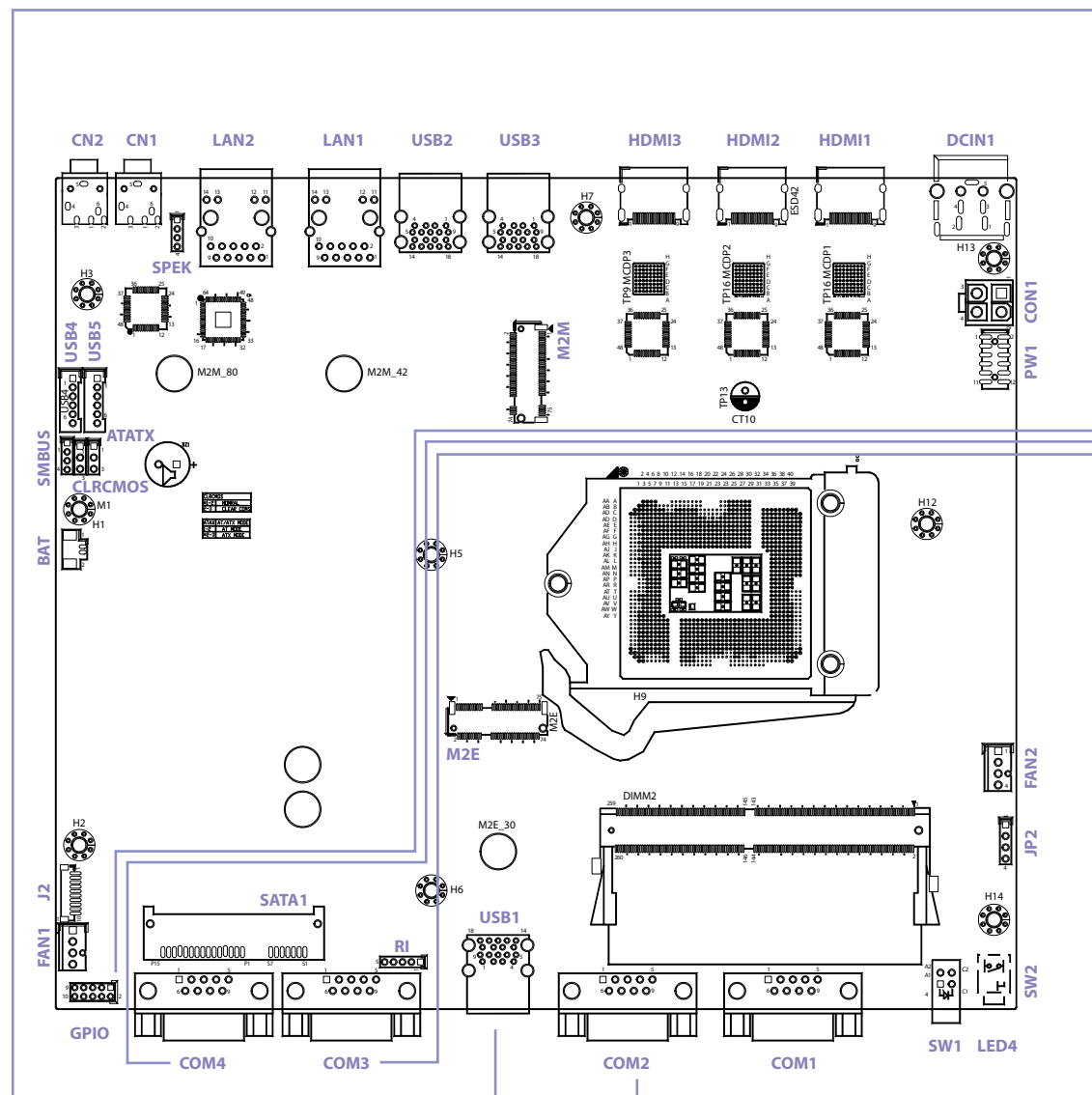
FAN2: FAN2 Connector

	Pin	Description
	1	GND
	2	VCC12
	3	FANIN2
	4	FANOUT2

JP2: Reset/Put Connector

	Pin	Description
	1	H_PWRBTN#_M
	2	GND
	3	GND
	4	PM_RESET#_J

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USB1: USB3.1 Connector (NDiS B560S Only USB2.0)

Pin	Description	Pin	Description
1	5VUSB1	12	USB2P_6
2	USB2N_5	13	GND
3	USB2P_5	14	S_USB31_RXN6
4	GND	15	S_USB31_RXP6
5	S_USB31_RXN5	16	GND
6	S_USB31_RXP5	17	USB31_TXN6
7	GND	18	USB31_TXP6
8	USB31_TXN5	MH1	FRONT_GND
9	USB31_TXP5	MH2	FRONT_GND
10	5VUSB1	MH3	FRONT_GND
11	USB2N_6	MH4	FRONT_GND

GPIO: GPIO Connector

Pin	Description	Pin	Description
1	GPIO_PWR	6	GPI1_IN
2	GND	7	GPO2_OUT
3	GPO0_OUT	8	GPI2_IN
4	GPI0_IN	9	GPO3_OUT
5	GPO1_OUT	10	GPI3_IN

COM4: COM4 Comport Connector

Pin	Description	Pin	Description
1	COM4DCDL	2	COM4RXD
3	COM4TXD	4	COM4DTRL
5	GND	6	COM4DSRL
7	COM4RTSL	8	COM4CTSL
9	COM4RIL		
MH1	FRONT_GND	MH2	FRONT_GND

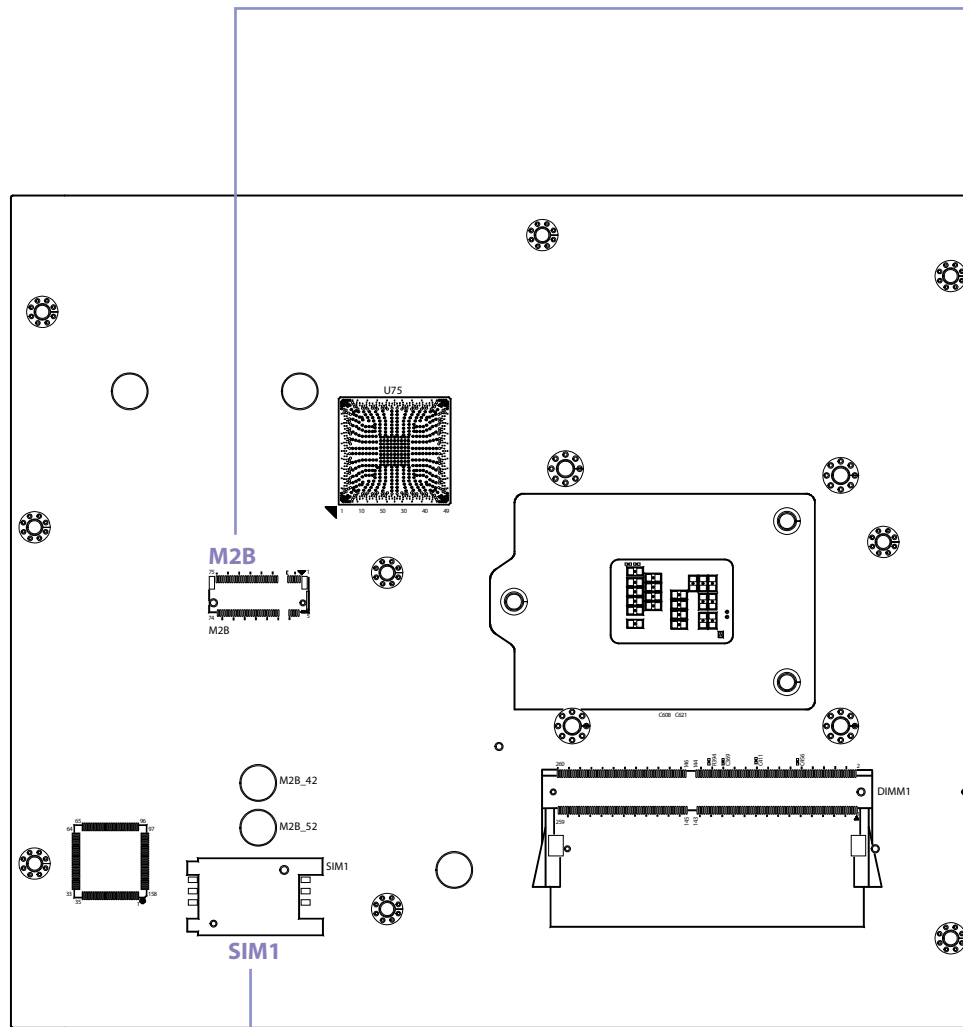
COM3: COM3 Comport Connector

Pin	Description	Pin	Description
1	COM3DCDL	2	COM3RXD
3	COM3TXD	4	COM3DTRL
5	GND	6	COM3DSRL
7	COM3RTSL	8	COM3CTSL
9	RI_VCC12_VCC5		
MH1	FRONT_GND	MH2	FRONT_GND

COM2: COM2 Comport Connector

Pin	Description	Pin	Description
1	COM2DCDL	2	COM2RXD
3	COM2TXD	4	COM2DTRL
5	GND	6	COM2DSRL
7	COM2RTSL	8	COM2CTSL
9	COM2RIL		
MH1	FRONT_GND	MH2	FRONT_GND

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M2B: NGFF Key B Connector

Pin	Signal	Pin	Signal
1	GND	39	GND
2	3VSB	40	NC
3	GND	41	PCIERXP17
4	3VSB	42	NC
5	H_PCIERXN20	43	PCIERXN17
6	NC	44	NC
7	H_PCIERXP20	45	GND
8	NC	46	NC
9	GND	47	PCIETXN17
10	DSS#_1	48	NC
11	PCIETXN20	49	PCIETXP17
12	3VSB	50	M2_PLTRSTN1
13	PCIETXP20	51	GND
14	3VSB	52	SRCLKREQ3N
15	GND	53	I_CLKOUTPCIEN3
16	3VSB	54	I_WAKEN
17	H_PCIERXN19	55	I_CLKOUTPCIEP3
18	3VSB	56	NC
19	H_PCIERXP19	57	GND
20	NC	58	NC
21	GND	59	NC
22	NC	60	NC
23	PCIETXN19	61	NC
24	NC	62	NC
25	PCIETXP19	63	NC
26	NC	64	NC
27	GND	65	NC
28	NC	66	NC
29	H_PCIERXN18	67	NC
30	NC	68	I_SUSCLK2
31	H_PCIERXP18	69	S_SATAXPICIE4
32	NC	70	3VSB
33	GND	71	NC
34	NC	72	3VSB
35	PCIETXN18	73	GND
36	NC	74	3VSB
37	PCIETXP18	75	GND
38	DEVSLP_0		

SIM1: SIM Card Connector

Pin	Description	Pin	Description
C1	UIM_PWR	MH1	GND
C2	UIM_RESET	MH2	GND
C5	GND	CD	GND
C6	UIM_VPP	COM	GND