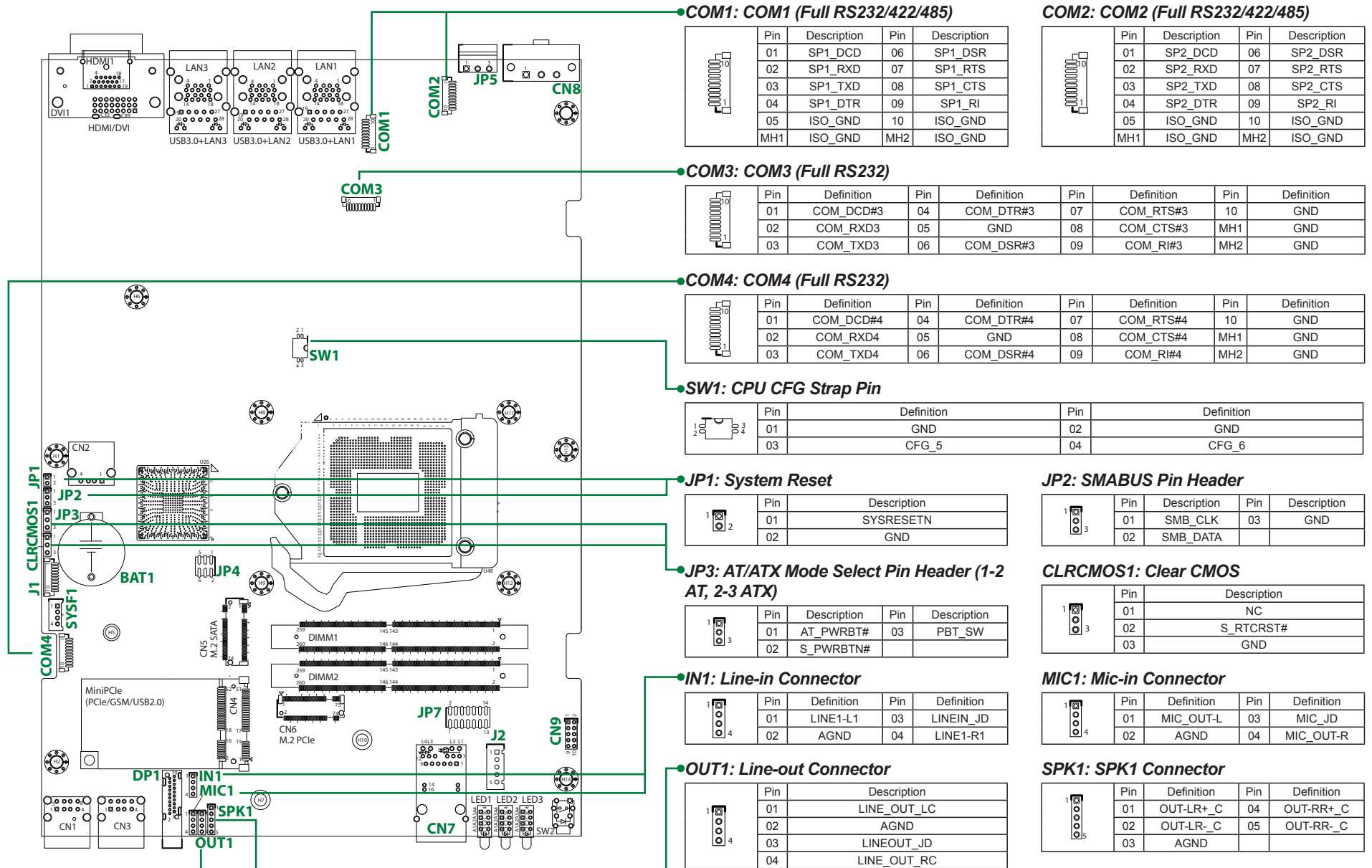


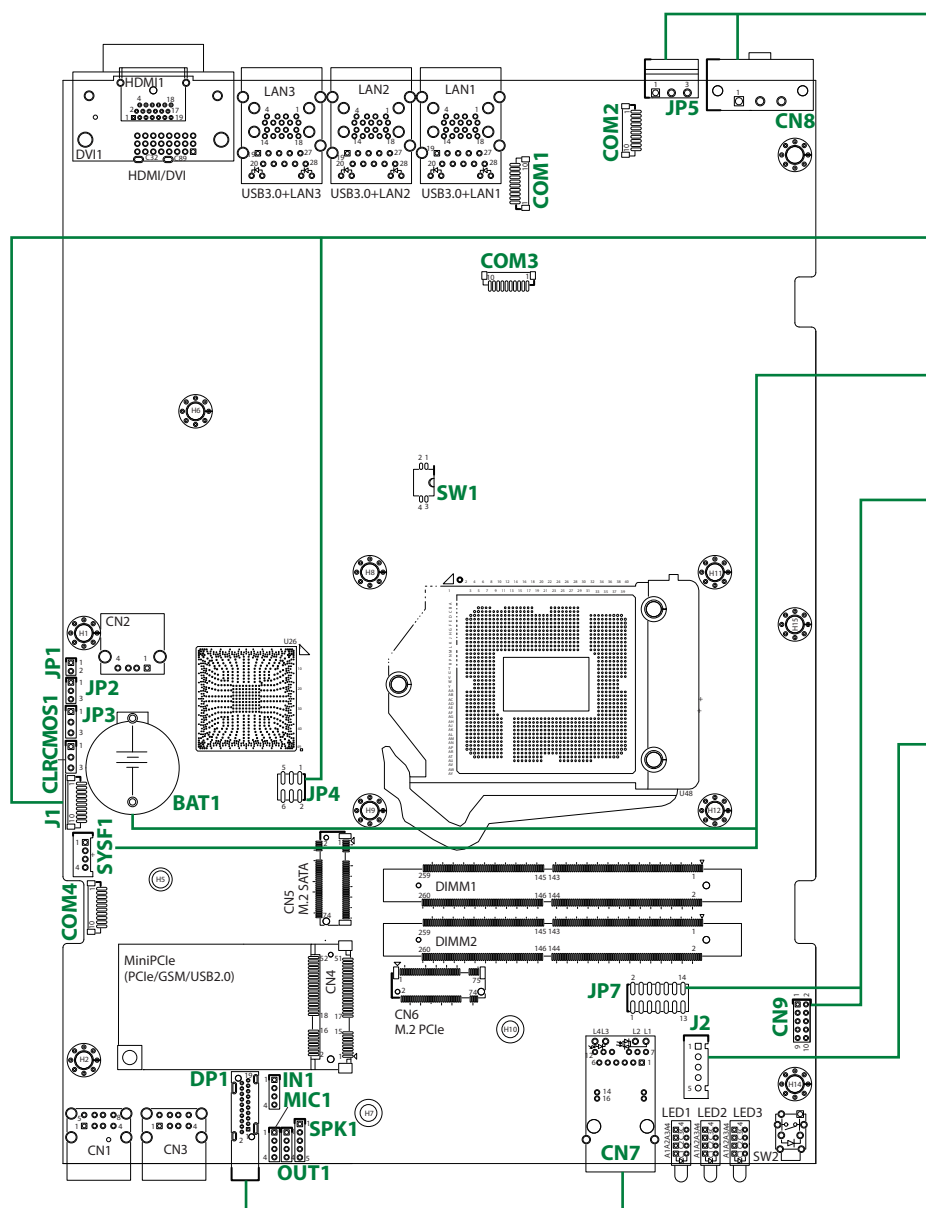
# NISE 3900 Quick Reference Guide

Ver A. (P/N: 60177A0739X00)



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• **JP5: Remote Power on/off & S3**

Pin	Signal Name
01	PWRBTN#_J
02	GND
03	I_SLPS3N

• **J1: Port 80**

Pin	Description	Pin	Description
01	GND	06	ESPI_IO2
02	PLTRST#_BUFF_1	07	ESPI_IO1
03	CLKOUT_LPC1	08	ESPI_IO0
04	ESPI_CS0#	09	SERIRQ
05	ESPI_IO3	10	VCC3
MH1	GND	MH2	GND

• **BAT1: RTC Battery Connector**

Pin	Definition
01	3V_BAT1
02	GND

• **JP7: LED Pin Header**

Pin	Definition	Pin	Definition
01	TX1_P	02	COM1_TXLEDN
03	RX1_P	04	COM1_RXLEDN
05	TX2_P	06	COM2_TXLEDN
07	RX2_P	08	COM2_RXLEDN
09	SIO_GP81LED_P	10	SIO_GP81
11	SIO_GP80LED_P	12	SIO_GP80
13	LAN2_ACT#_LED_P	14	LAN2LEDACTN

• **J2: POE Power**

Pin	Definition	Pin	Definition
01	VIN_M	02	GND
03	NC	04	VPORTPOSALTA
05	VPORTNEGALTA		

• **DP1: DP**

Pin	Definition	Pin	Definition
01	LANE0_P	11	GND
02	GND	12	LANE3_N
03	LANE0_N	13	CONFIG1
04	LANE1_P	14	CONFIG2
05	GND	15	AUX_P
06	LANE1_N	16	GND
07	LANE2_P	17	AUX_N
08	GND	18	DPHPD
09	LANE2_N	19	GND
10	LANE3_P	20	3V3DPPWR

**CN8: DC-in**

Pin	Definition	Pin	Definition
01	VIN_1	NH1	NC
02	VIN_VSS	NH2	NC
03	VINPIN3		

**JP4: BIOS Pin Header**

Pin	Definition
01	+3V3_SPI
02	GND
03	CS#_0
04	CLK_0
05	DO_0
06	DI_0

**SYSF1: SYS FAN BOX Header**

Pin	Definition	Pin	Definition
01	GND	02	VCC12
03	FAN_TAC2	04	FAN_CTL2

**CN9: GPIO Pin Header**

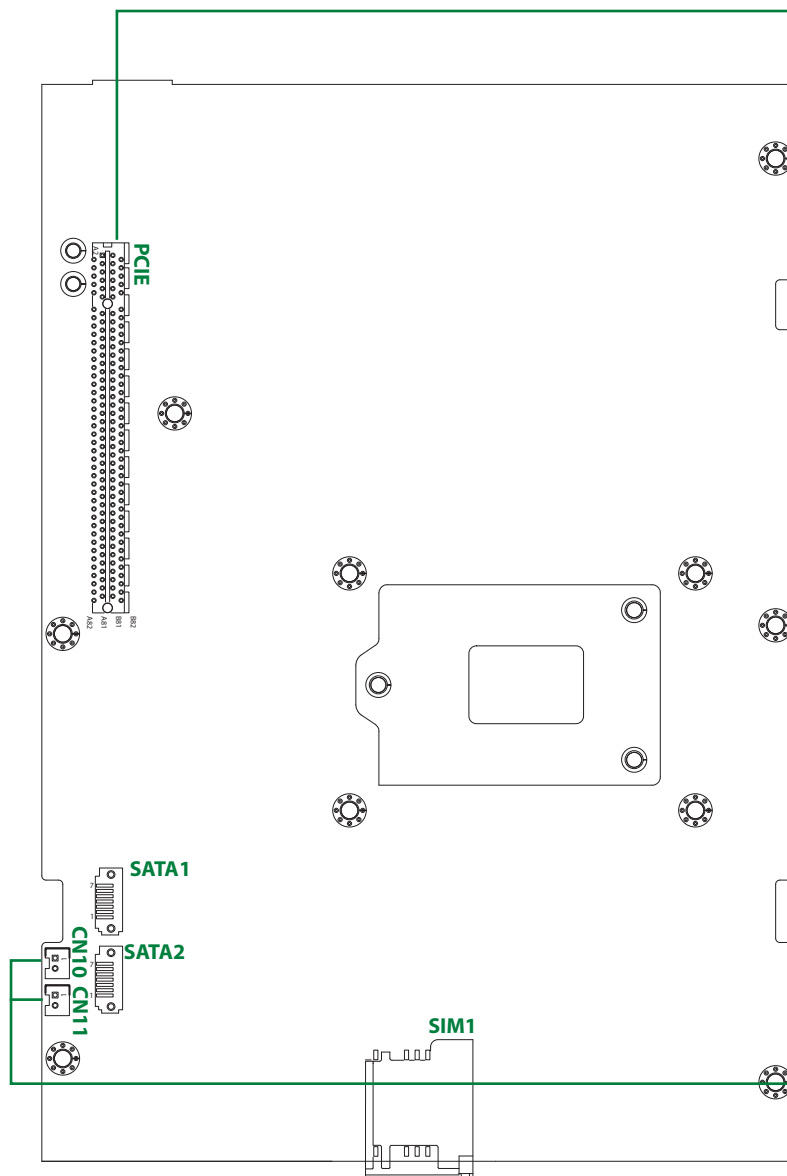
Pin	Definition	Pin	Definition
01	GPIO_PWR	02	GND
03	GPO0_OUT	04	GPIO_IN
05	GPO1_OUT	06	GPIO_IN
07	GPO2_OUT	08	GPIO_IN
09	GPO3_OUT	10	GPIO_IN

**CN7: RJ45 Connector (LAN4\_POE) - Option**

Pin	Definition	Pin	Definition
01	NC	13	VPORTPOSALTA
02	LAN4MDI2N	14	VPORTNEGALTA
03	LAN4MDI2P	15	NC
04	LAN4MDI1P	16	NC
05	LAN4MDI1N	L1	LAN4LINK1GN
06	NC	L2	LAN4100NCON
07	NC	L3	LAN4LEDACTN
08	LAN4MDI3P	L4	LAN4ACTCON
09	LAN4MDI3N	NH1	NC
10	LAN4MDI0N	NH2	NC
11	LAN4MDI0P	MH1	FRONT_GND
12	NC	MH2	FRONT_GND

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## •PCIE: PEGX16

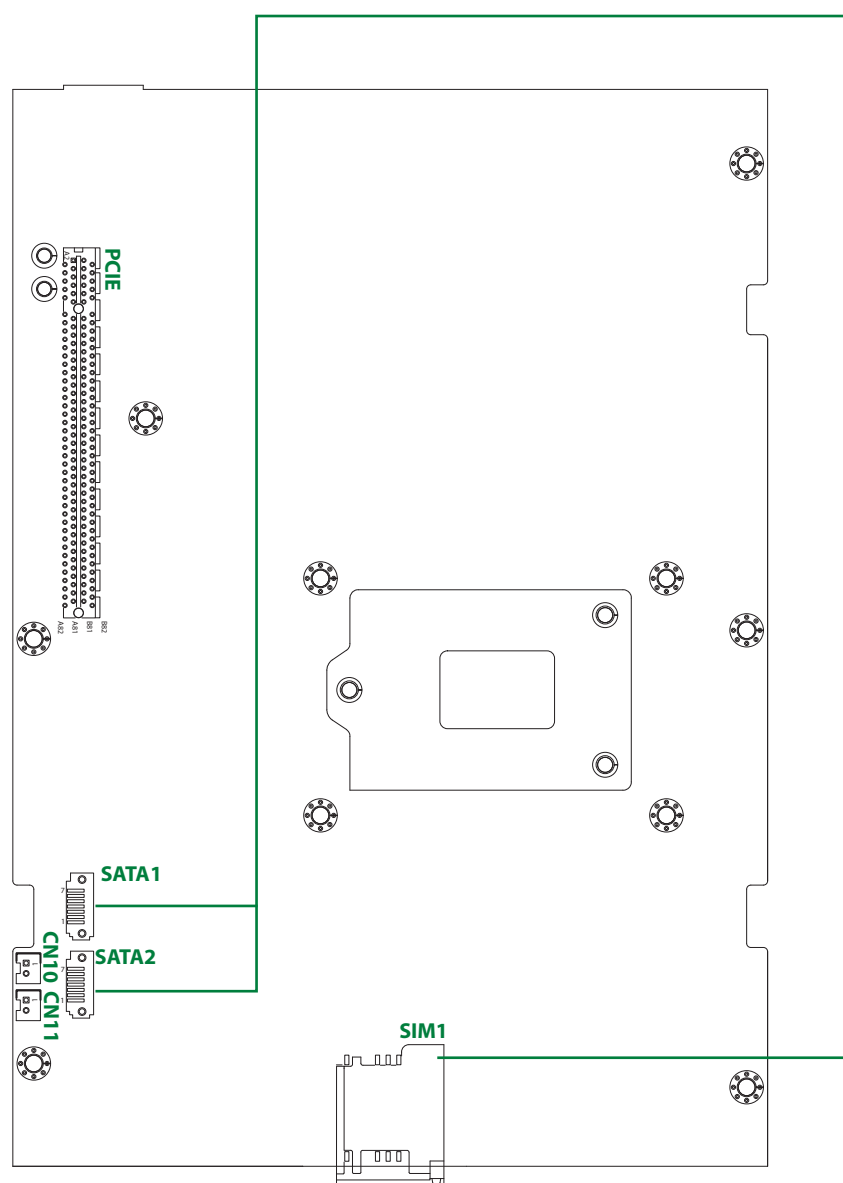
Pin	Definition	Pin	Definition	Pin	Definition	Pin	Definition
A01	PCIEX_PRSENT1	A42	GND	B01	VCC12	B42	PEG_TXN6_C
A02	VCC12	A43	PEG_RXP6	B02	VCC12	B43	GND
A03	VCC12	A44	PEG_RXN6	B03	VCC12	B44	GND
A04	GND	A45	GND	B04	GND	B45	PEG_TXP7_C
A05	PCIEX16_TCK	A46	GND	B05	PCIEX_SMCLK	B46	PEG_TXN7_C
A06	PCIEX16_TDI	A47	PEG_RXP7	B06	PCIEX_SMDAT	B47	GND
A07	PCIEX16_TDO	A48	PEG_RXN7	B07	GND	B48	PRSENT2#_3
A08	PCIEX16_TMS	A49	GND	B08	VCC3	B49	GND
A09	VCC3	A50	NC	B09	PCIEX16_TRST#	B50	PEG_TXP8_C
A10	VCC3	A51	GND	B10	3VSB	B51	PEG_TXN8_C
A11	PCIEX16PLTRSTN	A52	PEG_RXP8	B11	3VSB	B52	GND
A12	GND	A53	PEG_RXN8	B12	FAN_TAC2 (NC)	B53	GND
A13	I_CLKOUTPCIEP9	A54	GND	B13	GND	B54	PEG_TXP9_C
A14	I_CLKOUTPCIEN9	A55	GND	B14	PEG_TXP0_C	B55	PEG_TXN9_C
A15	GND	A56	PEG_RXP9	B15	PEG_TXN0_C	B56	GND
A16	PEG_RXP0	A57	PEG_RXN9	B16	GND	B57	GND
A17	PEG_RXN0	A58	GND	B17	PRSENT2#_1_C	B58	PEG_TXP10_C
A18	GND	A59	GND	B18	GND	B59	PEG_TXN10_C
A19	FAN_CTL2 (NC)	A60	PEG_RXP10	B19	PEG_TXP1_C	B60	GND
A20	GND	A61	PEG_RXN10	B20	PEG_TXN1_C	B61	GND
A21	PEG_RXP1	A62	GND	B21	GND	B62	PEG_TXP11_C
A22	PEG_RXN1	A63	GND	B22	GND	B63	PEG_TXN11_C
A23	GND	A64	PEG_RXP11	B23	PEG_TXP2_C	B64	GND
A24	GND	A65	PEG_RXN11	B24	PEG_TXN2_C	B65	GND
A25	PEG_RXP2	A66	GND	B25	GND	B66	PEG_TXP12_C
A26	PEG_RXN2	A67	GND	B26	GND	B67	PEG_TXN12_C
A27	GND	A68	PEG_RXP12	B27	PEG_TXP3_C	B68	GND
A28	GND	A69	PEG_RXN12	B28	PEG_TXN3_C	B69	GND
A29	PEG_RXP3	A70	GND	B29	GND	B70	PEG_TXP13_C
A30	PEG_RXN3	A71	GND	B30	NC	B71	PEG_TXN13_C
A31	VCC12	A72	PEG_RXP13	B31	PRSENT2#_2	B72	GND
A32	NC	A73	PEG_RXN13	B32	GND	B73	GND
A33	NC	A74	GND	B33	PEG_TXP4_C	B74	PEG_TXN14_C
A34	VCC12	A75	GND	B34	PEG_TXN4_C	B75	PEG_TXN14_C
A35	PEG_RXP4	A76	PEG_RXP14	B35	GND	B76	GND
A36	PEG_RXN4	A77	PEG_RXN14	B36	GND	B77	GND
A37	GND	A78	GND	B37	PEG_TXP5_C	B78	PEG_TXN15_C
A38	GND	A79	GND	B38	PEG_TXN5_C	B79	PEG_TXN15_C
A39	PEG_RXP5	A80	PEG_RXP15	B39	GND	B80	GND
A40	PEG_RXN5	A81	PEG_RXN15	B40	GND	B81	PRSENT2#_4
A41	GND	A82	GND	B41	PEG_TXP6_C	B82	NC

## •CN10/CN11: SATA Power Connector

Pin	Definition
01	VCC5
02	GND

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## SATA1: SATA Signal Connector

Pin	Definition
01	GND
02	SATA_TXP2
03	SATA_TXN2
04	GND
05	SATA_RXN2
06	SATA_RXP2
07	GND

## SATA2: SATA Signal Connector

Pin	Definition
01	GND
02	SATA_TXP3
03	SATA_TXN3
04	GND
05	SATA_RXN3
06	SATA_RXP3
07	GND

## SIM1: SIM Card Connector

Pin	Definition
C1	UIM_PWR
C2	UIM_RESET
C3	UIM_CLK
C5	GND
C6	UIM_VPP
C7	UIM_DATA
MH1	GND
MH2	GND
CD	GND
COM	GND

Quick reference guide is subject to change without prior notice. For any update, please visit our website: [www.nexcom.com](http://www.nexcom.com)

=Pin1 [ \* ]=Default setting

