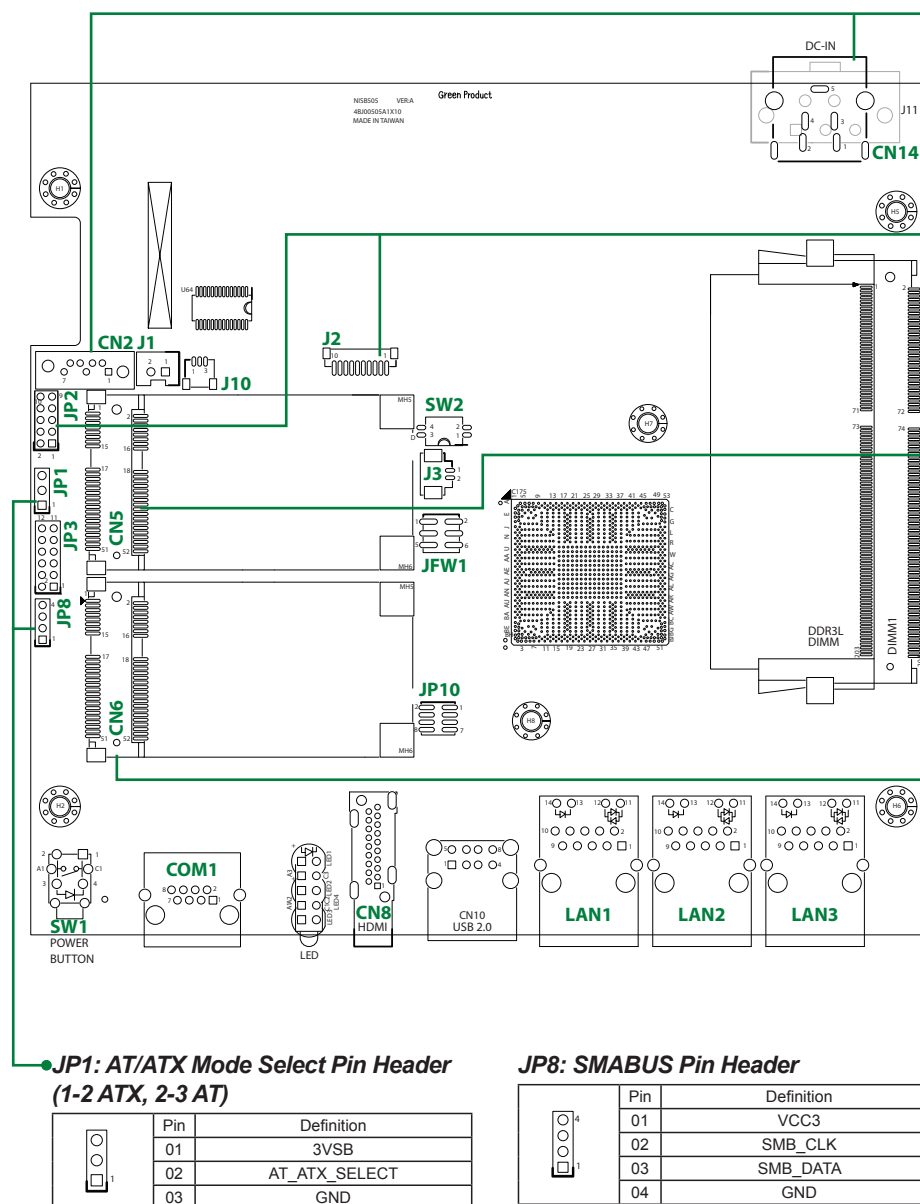


# NISE 505 Quick Reference Guide

Ver A. (P/N: 60177A0726X00)



**CN2: SATA Signal Connector**

Pin	Definition	Pin	Definition
01	GND	02	SATA_TXP0_C
03	SATA_TXN0_C	04	GND
05	SATA_RXN0_C	06	SATA_RXP0_C
07	GND		

**CN14: DC-in**

Pin	Definition	Pin	Definition
01	VIN_VSS	02	VIN_1
03	VIN_VSS	04	VIN_1
05	R_GND		
MH1	R_GND	MH2	R_GND
MH3	R_GND	MH4	R_GND
NH1	NA	NH2	NA

**JP2: GPIO Pin Header**

Pin	Definition	Pin	Definition
01	VCC5	02	GND
03	ICH_GPO0_OUT	04	ICH_GPIO_IN
05	ICH_GPO1_OUT	06	ICH_GPIO1_IN
07	ICH_GPO2_OUT	08	ICH_GPIO2_IN
09	ICH_GPO3_OUT	10	ICH_GPIO3_IN

**J2: Port 80**

Pin	Definition	Pin	Definition
01	GND	06	LPC_AD2
02	EC_PLTRST#	07	LPC_AD1
03	DEBUG_LPC3MHz	08	LPC_AD0
04	LPC_FRAME#	09	VCC3LPC_SERIRQ
05	LPC_AD3	10	VCC3
MH1	GND	MH2	GND

**CN5: mini-PCIe Connector (mSATA/USB)**

Pin	Definition	Pin	Definition	Pin	Definition	Pin	Definition
1	N/A	14	N/A	27	GND	40	GND
2	3VSB_MINI1	15	GND	28	V1P5S_1	41	3VSB_MINI1
3	N/A	16	N/A	29	GND	42	N/A
4	GND	17	N/A	30	EC_SMBCLK	43	GND
5	N/A	18	GND	31	SATA_TXN1_C	44	N/A
6	V1P5S_1	19	N/A	32	EC_SMBDATA	45	N/A
7	N/A	20	MINICARD2DIS#	33	SATA_TXP1_C	46	N/A
8	N/A	21	GND	34	GND	47	N/A
9	GND	22	N/A	35	GND	48	V1P5S_1
10	N/A	23	SATA_RXP1_C	36	MINI1USBN	49	N/A
11	N/A	24	3VSB_MINI1	37	GND	50	GND
12	N/A	25	SATA_RXN1_C	38	MINI1USBP	51	3VSB_MINI1
13	N/A	26	GND	39	3VSB_MINI1	52	3VSB_MINI1

**CN6: mini-PCIe Connector (Wi-Fi/USB)**

Pin	Definition	Pin	Definition	Pin	Definition	Pin	Definition
01	PCIEWAKE#	14	N/A	27	GND	40	GND
02	3VSB_MINI2	15	GND	28	V1P5S_2	41	3VSB_MINI2
03	N/A	16	N/A	29	GND	42	N/A
04	GND	17	N/A	30	EC_SMBCLK	43	GND
05	N/A	18	GND	31	TXN0_R	44	N/A
06	V1P5S_2	19	N/A	32	EC_SMBDATA	45	N/A
07	MINICARD2CLKREQ#	20	MINICARD2DIS#	33	TXP0_R	46	N/A
08	N/A	21	GND	34	GND	47	N/A
09	GND	22	EC_PLTRST#	35	GND	48	V1P5S_2
10	N/A	23	RXN0_R	36	MINI2USBN	49	N/A
11	PCIE_CLKN0	24	3VSB_MINI2	37	GND	50	GND
12	N/A	25	RXP0_R	38	MINI2USBP	51	N/A
13	PCIE_CLKP0	26	GND	39	3VSB_MINI2	52	3VSB_MINI2

**JP1: AT/ATX Mode Select Pin Header (1-2 ATX, 2-3 AT)**

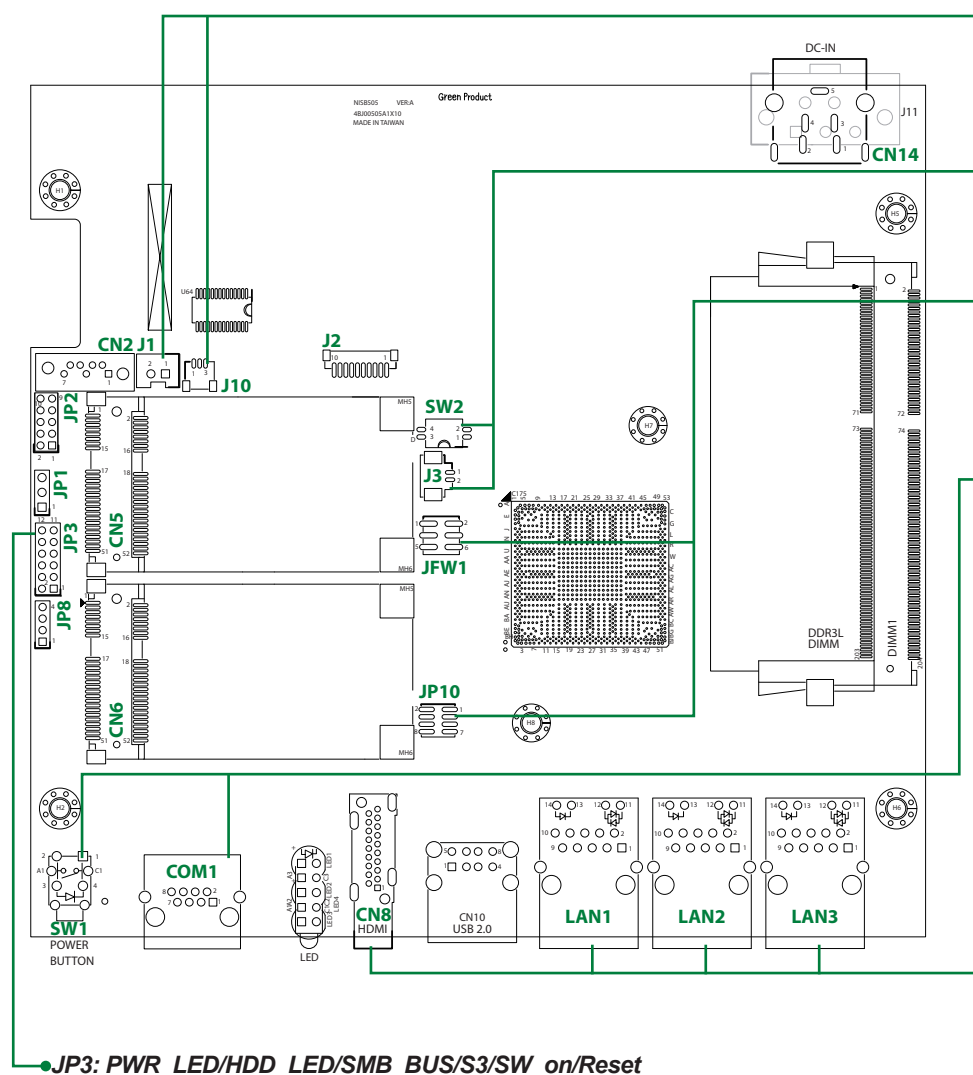
Pin	Definition
01	3VSB
02	AT_ATX_SELECT
03	GND

**JP8: SMABUS Pin Header**

Pin	Definition
01	VCC3
02	SMB_CLK
03	SMB_DATA
04	GND

# NISE 505 Quick Reference Guide

Ver A. (P/N: 60177A0726X00)



● **J1: SATA Power Connector**

Pin	Definition
01	GND
02	VCC5

● **SW2: Clear CMOS/ME**

Pin	Definition	Pin	Definition
01	SRTC_RST#	02	RTC_TEST#
03	GND	04	GND

● **JFW1: BIOS Pin Header**

Pin	Definition	Pin	Definition
01	VCC	02	GND
03	CS#0	04	CLK
05	SO	06	SI

● **SW1: Power Button**

Pin	Definition	Pin	Definition
01	GND	02	EC_PWRBT#
03	EC_PWRBT#	04	GND
A1	PWR_SW_P	C1	PWR_SW_N
MH1	GND	MH2	GND

● **CN8: HDMI Connector**

Pin	Definition	Pin	Definition
01	HDMI_DATA2_P_C	02	GND
03	HDMI_DATA2_N_C	04	HDMI_DATA1_P_C
05	GND	06	HDMI_DATA1_N_C
07	HDMI_DATA0_P_C	08	GND
09	HDMI_DATA0_N_C	10	HDMI_CLK_P_C
11	GND	12	HDMI_CLK_N_C
13	HDMI_CEC	14	NC
15	HDMI_CTRL_CLK_C	16	HDMI_CTRL_DAT_C
17	GND	18	HDMI_PWR
19	HDMI_HPD_R		
MH1	CHASSIS_GND	MH2	GND
MH3	CHASSIS_GND	MH4	GND

● **J10: EC Programmable Connector**

Pin	Definition	Pin	Definition
01	EC_SMBCLK	02	EC_SMBDATA
03	GND		
MH1	GND	MH2	GND

● **J3: RTC Connector**

Pin	Definition	Pin	Definition
01	GND	02	VBAT_L
MH1	NA	MH2	NA

● **JP10: SPI and I2C Pin Header**

Pin	Definition	Pin	Definition
01	3VSB	02	GND
03	3V3_SPI_CS	04	3V3_SPI_MISO
05	3V3_SPI_MOSI	06	3V3_SPI_CLK
07	3P3_I2C_CLK	08	3P3_I2C_DATA

● **COM1: Com1 (Full RS232)**

Pin	Definition	Pin	Definition
01	COM1_RTS#	05	GND
02	COM1_DTR#	06	COM1_RXD
03	COM1_TXD	07	COM1_DSR#
04	GND	08	COM1_CTS#
MH1	COM1_MH1	MH2	COM1_MH2
NH1	NA	NH2	NA

● **LAN1/2/3: RJ45 Connector (LAN1/LAN2/LAN3)**

Pin	Definition	Pin	Definition
01	LAN_MDI0P_1	02	LAN_MDI0N_1
03	LAN_MDI1P_1	04	LAN_MDI1N_1
05	LAN1TCT	06	GND
07	LAN_MDI2P_1	08	LAN_MDI2N_1
09	LAN_MDI3P_1	10	LAN_MDI3N_1
11	LAN_LED_LINKIG#	12	LAN_LINK
13	LAN_LED_ACT#	14	LAN_ACTPW
MH1	CHASSIS_GND	MH2	CHASSIS_GND

● **JP3: PWR\_LED/HDD\_LED/SMB\_BUS/S3/SW\_on/Reset**

Pin	Definition	Pin	Definition	Pin	Definition
01	PWR_LED_N	05	3VSB	09	EC_PWRBT#
02	VCC5	06	GND	10	GND
03	SATA_LED#	07	SLP_S3#	11	PM_RESET#_J
04	VCC5	08	PS_ON#	12	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