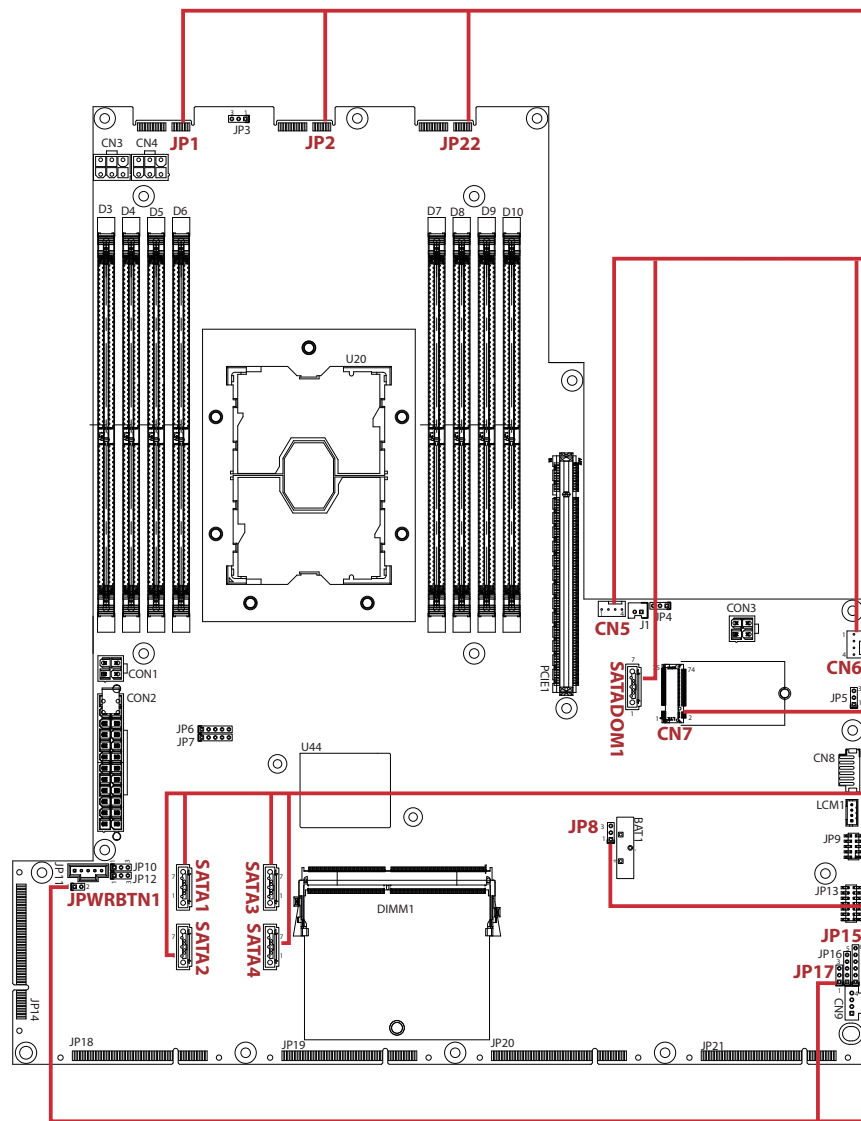


# NSA 7141 Quick Reference Guide



## JP1/JP2/JP22: FAN (Module)

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
A1	module insert detect	A12	GND	B4	GND	B14	FAN speed control
A2	12V	A15	GND	B7	GND	B15	FAN speed reply
A3	12V	A18	GND	B8	3.3V	B16	GND
A4	GND	B1	12V	B10	3.3V	B18	GND
A9	3.3V	B2	12V	B12	P3V3		
A10	3.3V	B3	5V	B13	GND		

## CN5/CN6: System FAN

Pin	Signal
01	GND
02	12V
03	FAN speed reply
04	FAN speed control

## SATADOM1: SATA DOM

Pin	Signal	Pin	Signal
01	GND	05	SATA RXP/RXN
02	SATA TXP/TXN	06	SATA RXP/RXN
03	SATA TXP/TXN	07	P5V
04	GND		

## CN7: M.2 Socket

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
02	P3V3	33	GND	45	GND	70	P3V3
03	GND	38	DEVSLP	47	SATA TXP/TXN	71	GND
04	P3V3	39	GND	49	SATA TXP/TXN	72	P3V3
05	GND	41	SATA RXP/RXN	51	GND	73	GND
27	GND	43	SATA RXP/RXN	57	GND	74	P3V3

## SATA1/SATA2/SATA3/SATA4: SATA CONN

Pin	Signal	Pin	Signal
01	GND	05	SATA RXP/RXN
02	SATA TXP/TXN	06	SATA RXP/RXN
03	SATA TXP/TXN	07	GND
04	GND		

## JP8: RTC Clear

Pin	Signal
01	3.3V Battery
02	RTC clear (to PCH)
03	GND

## JP15: CPLD Programming Header/CPLD Boundary Scan Header

Pin	Signal	Pin	Signal
01	P3V3	04	JTAG_PLD_TDO
02	GND	05	JTAG_PLD_TDI
03	JTAG_PLD_TCK	06	JTAG_PLD_TMS

## JPWRBTN1: Power Button

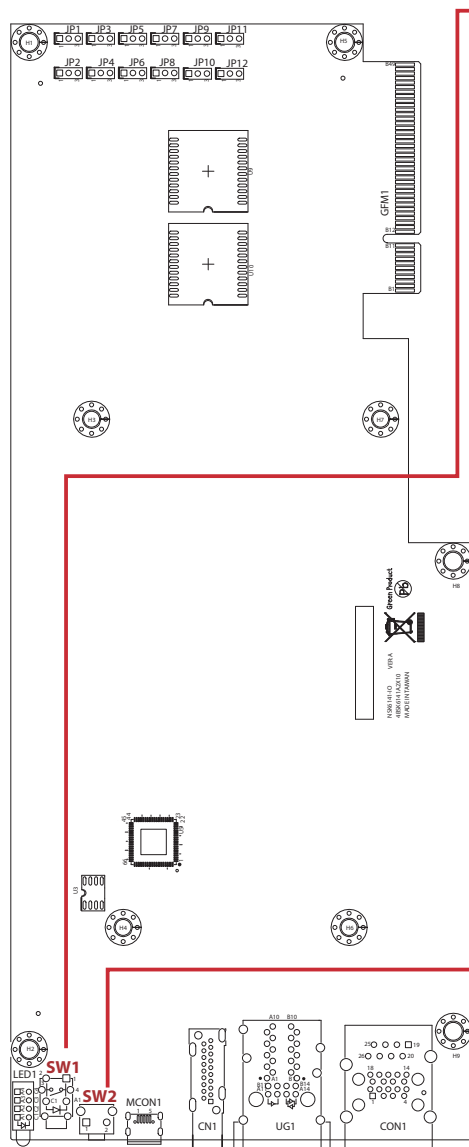
Pin	Signal
01	PWRBTN (to PCH)
02	GND

## JP17: AT/ATX Mode Selection

Pin	Signal
01	P3V3
02	AT/ATX
03	GND



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## SW1: Power Button

Pin	Signal
01	PWRBTN (to PCH)
02	GND
03	GND
04	PWRBTN (to PCH)
A1	LED on button (Anode)
C1	LED on button (Cathode)

## SW2: Reset Button

Pin	Signal
01	GND
02	RSTBTN (to PCH)

