

GIADA DT-B150DL-H Quick Installation Guide-V1.0

Tips:

How to identify the first pin of the jumpers and connectors.

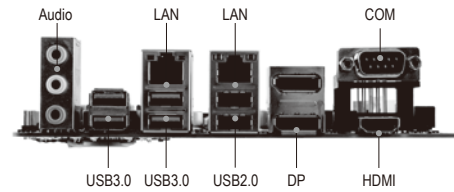
1. The first pin is marked as "1" or solder pad or bold lines or triangular symbols.
2. The red line on the cable or other marks show that they should be connected with the first pin of the socket.

Warning!

Please adopt appropriate screw and proper installation methods (including board allocation, CPU and heat sink installation, etc.); otherwise, the board may be damaged.

Connectors and Jumpers:

Back Panel Interface:

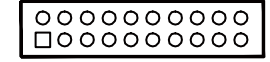


1. ATX 12V (12V Power receptacle)

This board has special 12V power receptacle for CPU. For better and more stable processor power supply, we suggest keeping the connection on this socket. The definitions of the pins are described below (when power supply with 20-pin outlet is used, please make sure the numbers are matched correctly):

Pin#	Definition
1	GND
2	GND
3	12V
4	12V

2. J_HDMI (J_HDMI Header)



Pin#	Definition	Pin#	Definition
1	DAC_5V	2	GND
3	HDMI_C_HPD	4	GND
5	HDMI_C_TX2_DN_L	6	HDMI_C_TX2_DP_L
7	GND	8	HDMI_C_TX1_DP_L
9	HDMI_C_TX1_DN_L	10	GND
11	HDMI_C_TX1_DN_L	12	HDMI_C_TX0_DP_L
13	GND	14	HDMI_C_CLK_DP_L
15	HDMI_C_CLK_DN_L	16	GND
17	HDMI_C_SDA	18	HDMI_C_SCL
19	GND	20	GND

12. F_COM (Front end COM port)

Be used with modems, serial printers, remote display terminals and serial devices, COM1 with +5V power supply.



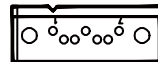
Pin#	Definition	Pin#	Definition
1	NDCDA	2	NSINA
3	NSOUTA	4	NDTRA
5	GND	6	NDSRA
7	NRTSA	8	NCTSA
9	COM_PWR	10	N/A

13. MiniPCle (Mini-PCle expanded slots)

Mini-PCle1 support SATA2, for example, can use SATA SSD etc. Mini-PCle2 support PCIe 1X signal, can use MiniPCle WiFi module etc.

11. SATA (Serial ATA flat-cable sockets)

Blue color socket is SATAIII and Black color socket is SATAII.

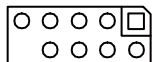


Pin#	Definition	Pin#	Definition
1	GND	6	SATA_RXP0
2	GND	7	SATA_RXN0
3	SATA_TXP0	8	GND
4	SATA_TXN0	9	GND
5	GND		

10. F_PANEL (Front-end control panel)

Be used connect the power switch, reset switch, chassis intrusion switch/sensor and system status indicator on the chassis.

- 1-3 HDD-LED
- 2-4 PWR-LED
- 5-7 RESET-SWITCH
- 6-8 PWR-SWITCH



Pin#	Definition	Pin#	Definition
1	+HDLED	2	PLED+
3	-HDLED	4	PLED-
5	-RESET	6	PBTNJ_SIO
7	GND	8	GND
9	N/A	10	N/A

9. SYS_FAN

Be used for connecting chassis fan.

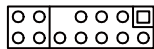
Pin#	Definition
1	GND
2	12V
3	FAN_TAC2

8. AUTO_PW (Auto Power on)



Pin#	Definition
1-2	Disable
2-3	Enable

7. F_USB1 (Front Panel USB2.0 Header)



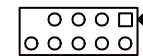
Pin#	Definition	Pin#	Definition
1	+5V	2	+5V
3	USBN1	4	USBN2
5	USBP1	6	USBP2
7	GND	8	GND
9	N/A	10	PLED+
11	PBTNJ_SIO	12	+HDLED
13	USB_5VSB	14	USB_5VSB

6. CPU_FAN

Be used for connecting CPU fan.

Pin#	Definition
1	GND
2	+12V
3	FAN_TAC1
4	FAN_CTL1

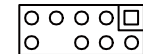
3. F_USB2 (Front-end USB2.0 Pin)



Be used extension the front USB ports.

Pin#	Definition	Pin#	Definition
1	+5V	2	+5V
3	USB2.0_N1	4	USB2.0_N2
5	USB2.0_P1	6	USB2.0_P2
7	GND	8	GND
9	N/A	10	GND

4. F_AUDIO (Front Panel Audio Header)



Be used connect to the second line-out and MIC in jacks that are at the front panel of your system.

Pin#	Definition	Pin#	Definition
1	MIC_L	2	GND
3	MIC_R	4	N/A
5	FRONT_R	6	F_IO_SENCE
7	GND	8	N/A
9	FRONT_L	10	F_IO_SENCE

5. CLR_CMOS

Pin#	Definition
1	GND
2	CLR_CMOS

If you encounter the following,
 a) CMOS data becomes corrupted.
 b) You forgot the supervisor or user password.
 You can reconfigure the system with the default values stored in the ROM BIOS.
 To load the default values stored in the ROM BIOS, please follow the steps below.
 1. Power-off the system and unplug the power cord.
 2. Short Pin1 and Pin2 for 3-5 seconds, then back to default setting
 3. Plug the power cord and power on the system.