

N5150E ATX



Features

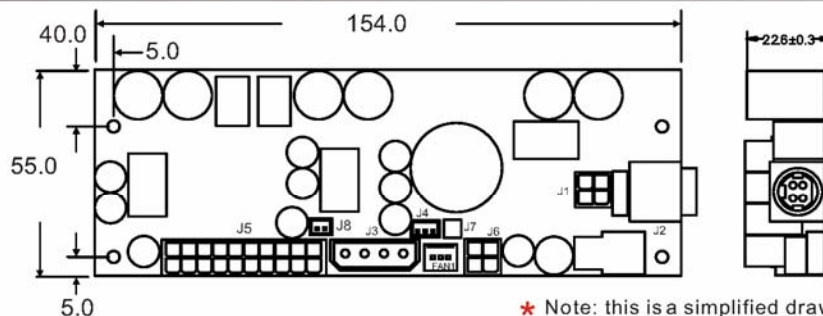
- High efficiency
- Output over-current protection
- DC soft start function, low inrush current
- RoHS Compliant
- No minimum load required

GENERAL

Applicable for general PC panels with 24V to ATX system boards.



MECHANICAL

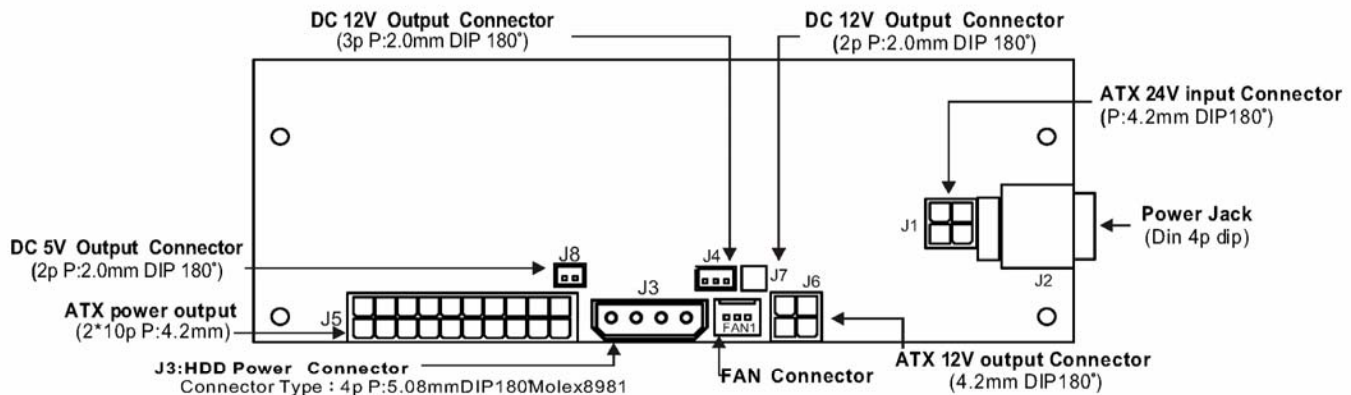


* Note: this is a simplified drawing and some components are not marked in detail.
Please contact our sales representative if you need further product information.

Specifications

Input Voltage	: 24V DC
Load Range	: 3.3V: 10A 5V and 5Vsd: 12A 12V: 10A -12V: 0.5A
Ripple And Noise	: 5V: Less than 100mV 3.3V: Less than 66mV 5Vsb: 100mV 12V: 120mV -12V: 200mV
Line Regulation	: Less than $\pm 2.5\%$ at rated load with $\pm 10\%$ change in input voltage
Load Regulation	: 5V: Less than $\pm 5\%$ +12V: Less than $\pm 5\%$ -12V: $\pm 5\%$ + 3.3V: Less than $\pm 5\%$
Efficiency	: 88%
Altitude	: 0 to 10000ft
Operating Temp	: 0°~50°C
Storage Temp.	: -20°~70°C
Humidity	: 10~90% non-condensing
Dimension	: 154x55x22.5(mm)

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Pin Assignment:

J1:ATX 4Pin 24V input Connector

Connector Type : P:4.2mm DIP180° Molex87427

Pin	Symbol
1	GND
2	GND
3	DC 24V Input
4	DC 24V Input

J2:Power Jack

Connector Type : Din 4p dip Power Jack QuickLock

Pin	Symbol
1	DC 24V Input
2	GND
3	DC 24V Input
4	GND

J3:HDD Power Connector

Connector Type : 4p P:5.08mmDIP180Molex8981

Pin	Symbol
1	DC 12V Output
2	GND
3	GND
4	DC 5V Output

J4:DC 12V Output Connector

Connector Type : 3p P:2.0mm DIP 180°

Pin	Symbol
1	DC +12V Output
2	DC +12V Output
3	DC +12V Output

J6:ATX 4Pin 12V output Connector

Connector Type : P:4.2mm DIP180°Molex8 7427

Pin	Symbol
1	GND
2	GND
3	DC +12V Output
4	DC +12V Output

J5:ATX power output

Connector Type : 2*10p P:4.2mm Molex87427

Pin	Symbol
1	+3.3V
2	+3.3V
3	GND
4	+5V
5	GND
6	+5V
7	GND
8	Power Good
9	5V SB(stand by +5V)
10	+12V
11	+3.3V
12	- 12V
13	GND
14	PS_ON(soft on/off)
15	GND
16	GND
17	GND
18	(NC)
19	+5V
20	+5V

J7:DC 12V Output Connector

Connector Type : 2p P:2.0mm DIP 180°

Pin	Symbol
1	DC 12V Output
2	GND

J8:DC 5V Output Connector

Connector Type : 2p P:2.0mm DIP 180°

Pin	Symbol
1	DC 5V Output
2	GND

FAN1:FAN Connector

Pin	Symbol
1	GND
2	DC+12V
3	Sense