

WP12-80

9~36V to 12V 80W DC/DC Converter Module



KEY FEATURES

- High efficiency DC-DC Power Converter board
- Low inrush current Power Converter board
- Output over-current protection
- Wide range voltage input



SPECIFICATIONS

System Specification

Input Voltage	9V to 36V DC	Load Range	12V 6.67A
Power Consumption	80W	Ripple And Noise	Less than 120mV
Line Regulation	Less than $\pm 1\%$ at rated 9~36V input voltage	Load Regulation	Less than $\pm 5\%$
Efficiency	Up to 90% (Full loading)	Protection	OCP protection OVP protection

Certification

Certification CE, FCC

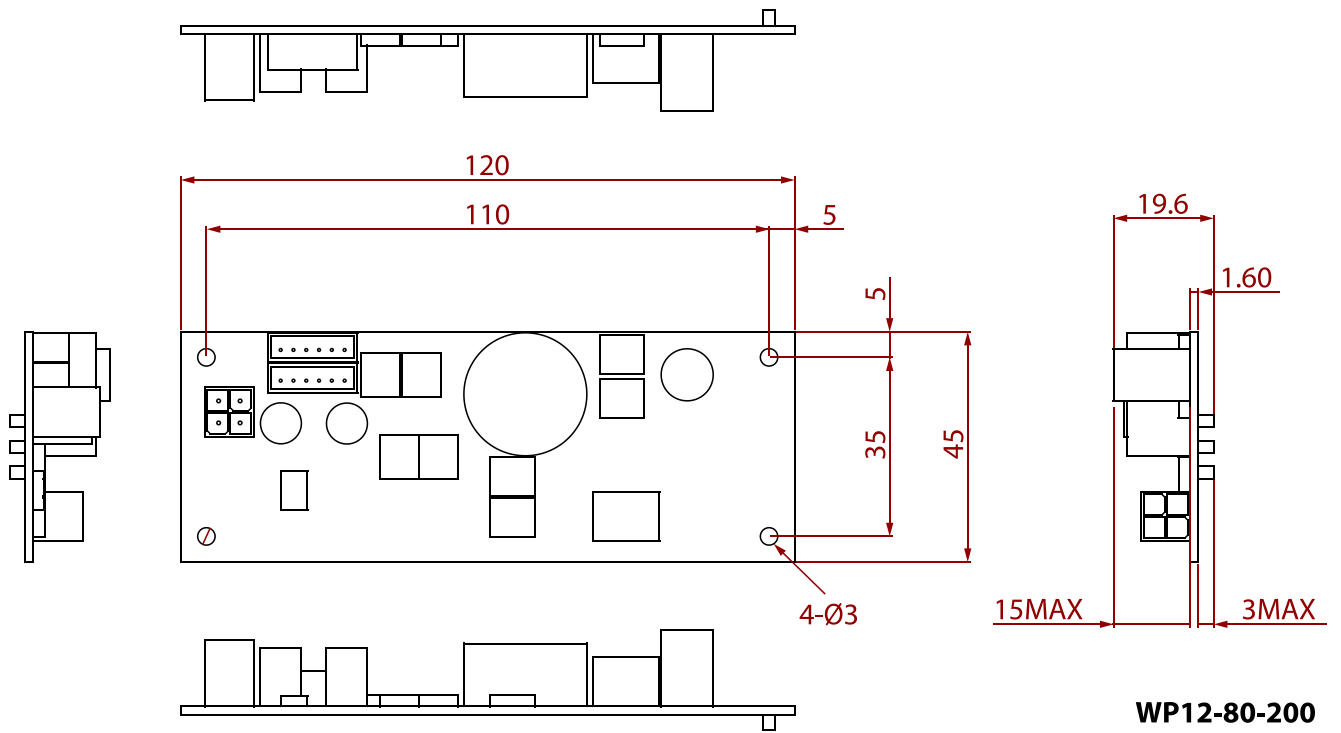
Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C	Altitude	0 to 10000ft

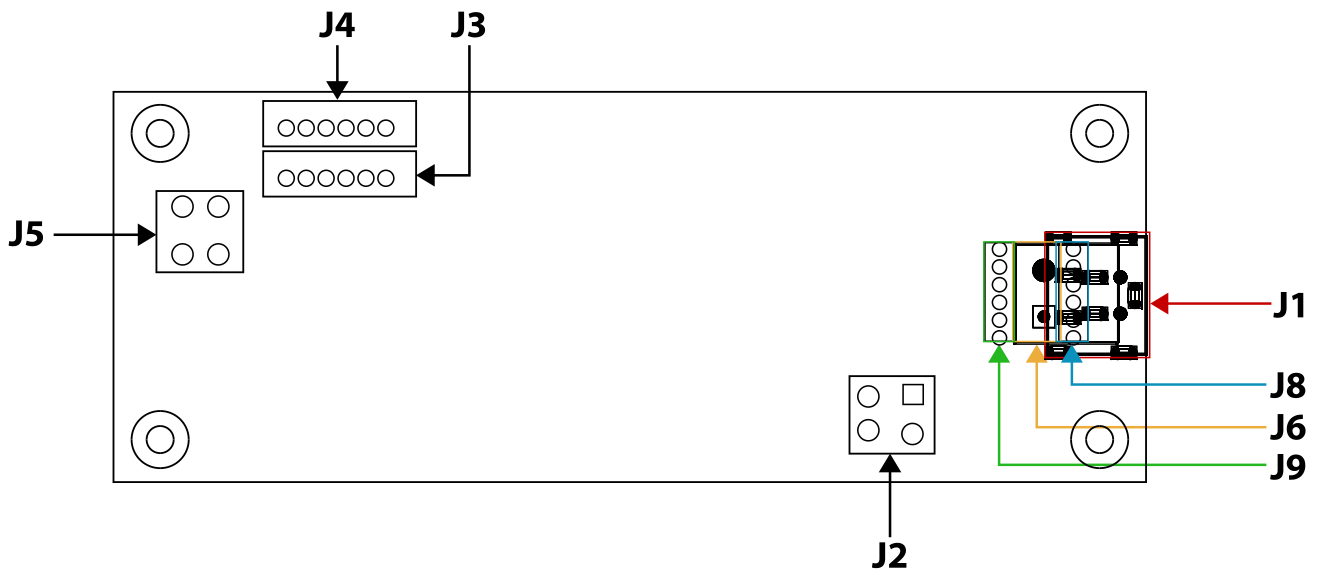
Mechanical

Dimension 120 x 45 x 19.6 mm

DIMENSIONS UNIT:MM



Pin Assignment:



J1:Power Jack

Connector Type : Din 4p dip Power Jack QuickLock

Pin	Symbol
1	DC 8-36V Input
2	GND
3	DC 8-36V Input
4	GND

J2:ATX DC input Connector

Connector Type : P:4.2mm DIP180'Molex 87427

Pin	Symbol
1	GND
2	GND
3	DC 8-36V Input
4	DC 8-36V Input

J3: DC output 1

Connector Type : 1*6p P:2.50mm DIP 180°

Pin	Symbol
1	12V
2	GND
3	GND
4	GND
5	12V
6	12V

J4:DC output 2

Connector Type : 1*6p P:2.50mm DIP 180°

Pin	Symbol
1	12V
2	GND
3	GND
4	GND
5	12V
6	12V

J5:ATX Output Connector

Connector Type : P:4.2mm DIP 180°Molex 87427

Pin	Symbol
1	GND
2	GND
3	12V
4	12V

J6: Power Input

Connector Type : 2p Terminal DT-29-B0 1W-02

Pin	Symbol
1	DC 8-36V Input
2	GND

J8: input Connector

Connector Type: 6p P: 1*6p P:2.50mm DIP 180°

Pin	Symbol
1	DC 8-36V Input
2	DC 8-36V Input
3	DC 8-36V Input
4	GND
5	GND
6	GND

J9: input Connector

Connector Type: 6p P: 1*6p P:2.50mm DIP 180°

Pin	Symbol
1	DC 8-36V Input
2	DC 8-36V Input
3	DC 8-36V Input
4	GND
5	GND
6	GND

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.