

WP12-40C

9~36V to 12V 40W DC/DC Converter Module



KEY FEATURES

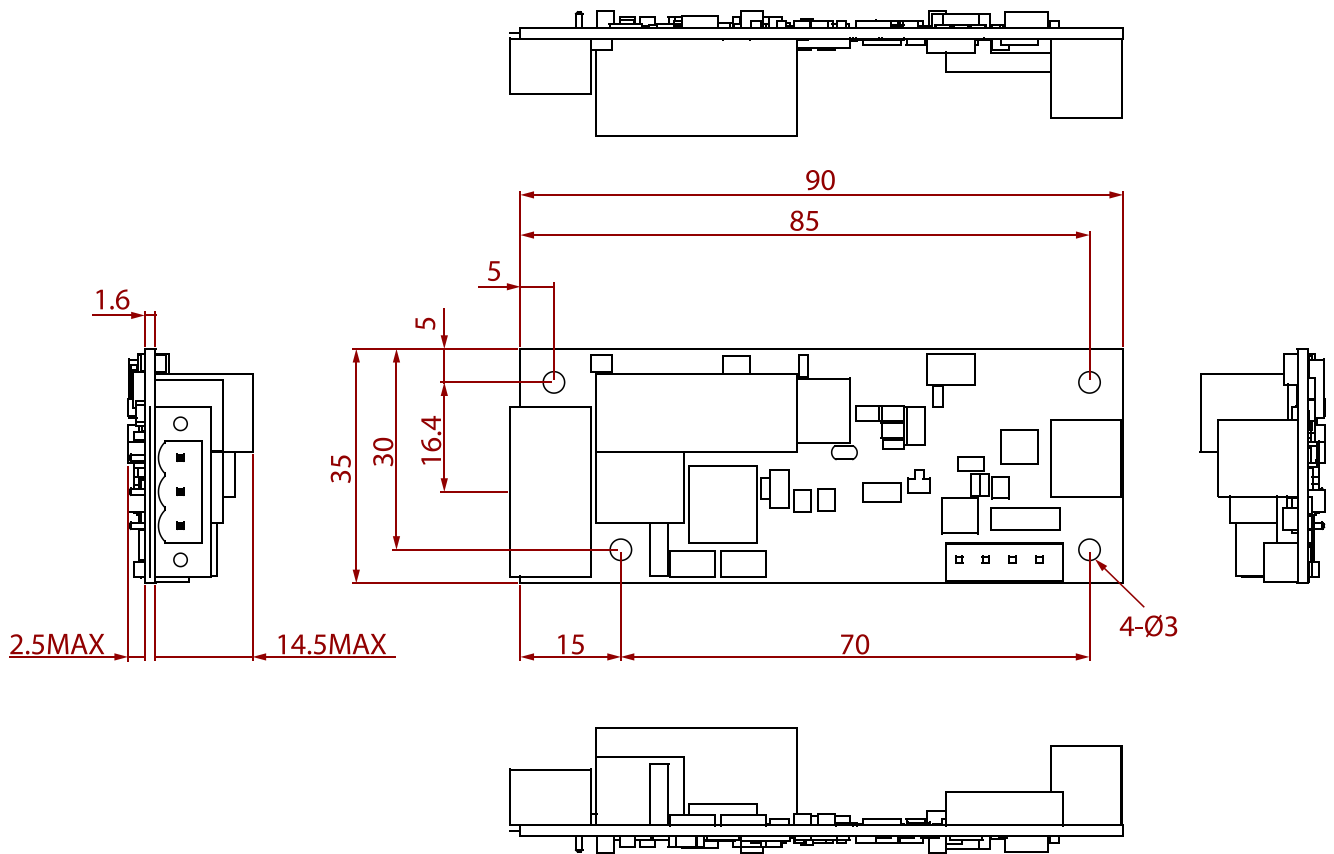
- High efficiency DC-DC Converter Module
- Low inrush current
- Output over-current protection
- Wide range voltage input



SPECIFICATIONS

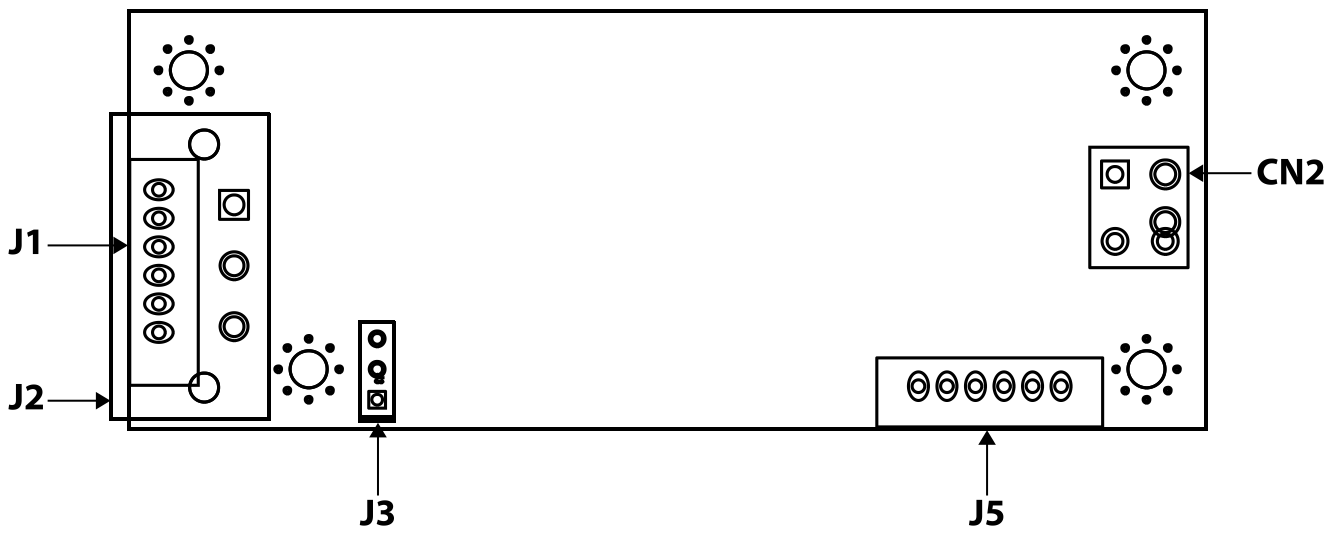
System Specification			
Input Voltage	9V to 36V DC	Load Range	12V 3.3A
Power Consumption	40W	Ripple And Noise	Less than 120mV
Line Regulation	Less than $\pm 1\%$ at rated 9~36V input voltage	Load Regulation	Less than $\pm 5\%$
Efficiency	Up to 90% (Full loading)	Protection	OCP protection OVP protection
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	90 x 35 x 18.6 mm		

DIMENSIONS UNIT:MM



WP12-40C-120

Pin Assignment:



J1: input Connector

Connector Type: 4p P: 1*6p P:2.50mm DIP 180°

Pin	Symbol
1	ING_IN
2	VIN-
3	VIN-
4	VIN-
5	VIN+
6	VIN+

J5: DC 12V output 1

Connector Type: 4p P: 1*6p P:2.50mm DIP 180°

Pin	Symbol
1	DC_OUT
2	GND
3	GND
4	GND
5	DC_OUT
6	DC_OUT

J2: input Connector

Connector Type: 4p P: Terminal Block 3P DT-29

Pin	Symbol
1	Vin+
2	Vin-
3	IGN_IN

CN2: DC 12V output 2

Connector Type: 4p P: 4p P:4.2mmDIP180°Molex87427

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

J3: input Connector

Connector Type: 4p P: 1*3p P:2.54mm DIP 180°

Pin	Symbol
1	IGN_ISO
2	IGN_IN
3	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.