

24V / 12V Converter Board Specification Sheet

Model No. DC002 (Part No.: CPCB-DC002-3-)

Main Feature:

- ⊙ Thermal shutdown and current limit protection
- ⊙ Low power standby mode, IQ typically 80 μ A
- ⊙ 150kHz fixed frequency internal oscillator
- ⊙ Wide Input voltage range: 24V $\pm$ 25%
- ⊙ Operating temperature : -10°C ~60°C
- ⊙ Guaranteed 3A output load current
- ⊙ Excellent line and load regulation
- ⊙ Output voltage 12V $\pm$ 5%
- ⊙ RoHS compliant
- ⊙ High efficiency

Electrical Characteristics:

No.	Parameter	Conditions	Min	Typ	Max
1	Output Voltage	Vin 24V , 0.2A $\leq$ Load $\leq$ 3A	11.4V	12V	12.6V
2	Efficiency	Vin 24V , Load 3A		90%	
3	Osc. Frequency	TJ=-40 °C to 125 °C	110KHz	150KHz	173KHz

Connector Description:

Connector List:

Connector	Description	Note
CON2	Input	PH 2.0mm, 4Pin , 180°
J2	Output	PH 2.0mm, 9Pin , 180°

Pin Definition of Connector:

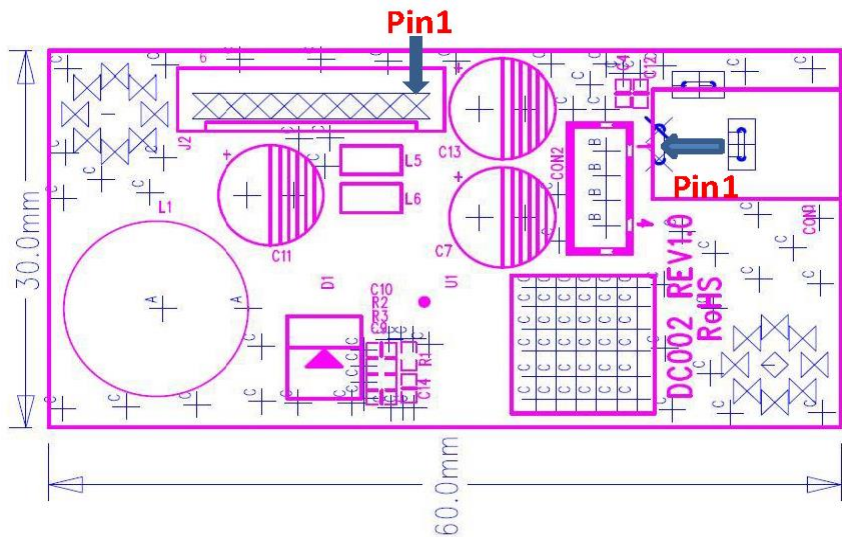
CON2: Input Connector (2.0 mm 4Pin DIP)

Pin	Description	Note
1,2	24V Input	
3,4	GND	

J2: Output Connector (2.0 mm 9Pin DIP)

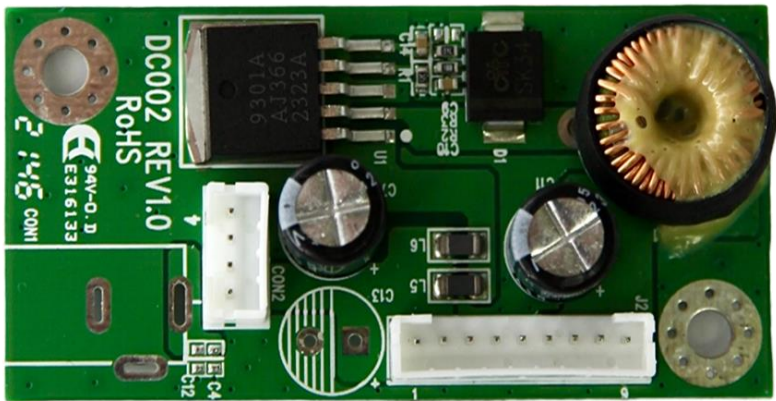
Pin	Description	Note
1,2	24V Output	
3,4,5	GND	
6,7,8,9	12V Output	

Board Dimension :60mm*30mm



PCB Thickness	1.6mm
PSB Horizontal size	60.0mm
PCB Vertical Size	30.0mm
PCB Height (PCB with components)	<20mm
Screw Holes	D=4.0mm

Board Photo :



※Specifications and product design are subject to change without notice.