

9V / 35V Converter Board Specification Sheet

Model No. DC004 (Part No.: CPCB-DC004-2S--)

Main Feature:

- ⊙ 4A /8V or 3A /12V output load current , total output power 36W max.
- ⊙ Low current consumption, Standby-by mode 1μA
- ⊙ Thermal shutdown and current limit protection
- ⊙ High speed oscillator frequency: 600KHz max
- ⊙ Wide Input voltage range: 9V~35V $\pm$ 10%
- ⊙ Operating temperature : -12°C~70°C
- ⊙ Excellent line and load regulation
- ⊙ Output voltage 8V & 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/12V		90%	
3	Osc. Frequency	TJ=-40 °C to 125 °C	200KHz	200KHz	600KHz

Connector Description:

Connector List:

Connector	Description	Note
CN1	Input	DC jack ϕ 2.5
CN2	Input	Header with flanges 5.08mm, 3Pin
CON1	Input	PH 2.0mm, 4Pin , 180°
CON2	Output	PH 2.0mm, 9Pin , 180°
CON3	Output	PH 2.0mm, 8Pin , 180°

Pin Definition of Connector:

CN2: Input Connector (5.08 mm 3Pin DIP)

Pin	Description	Note
1	9V~35V Input	
2,3	GND	

CON1: Input Connector (2.0 mm 4Pin DIP)

Pin	Description	Note
1,2	9V~35V Input	
3,4	GND	

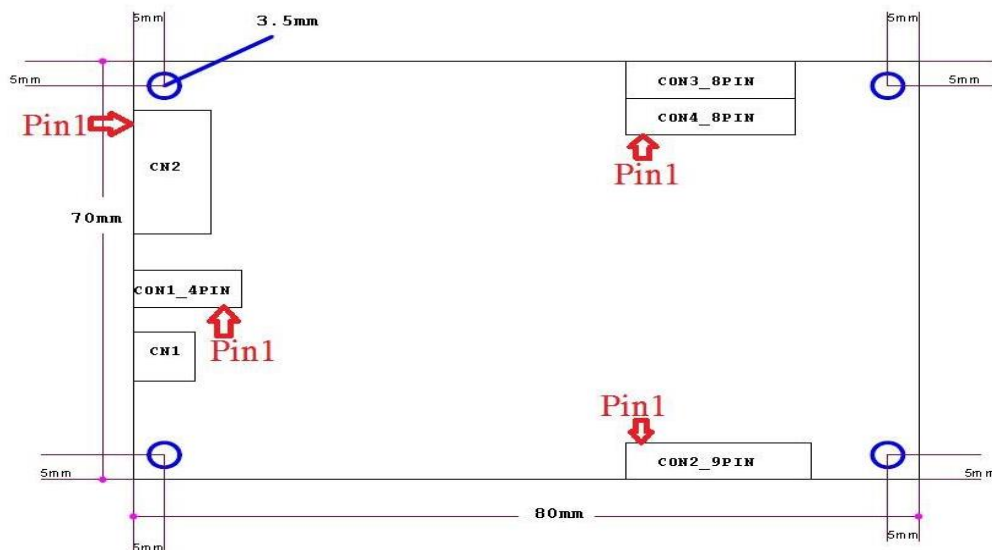
CON2: Output Connector (2.0 mm 9Pin DIP)

Pin	Description	Note
1,2	9V~35V Output	
3,4,5	GND	
6,7,8,9	12V Output	

CON3: Output Connector (2.0 mm 8Pin DIP)

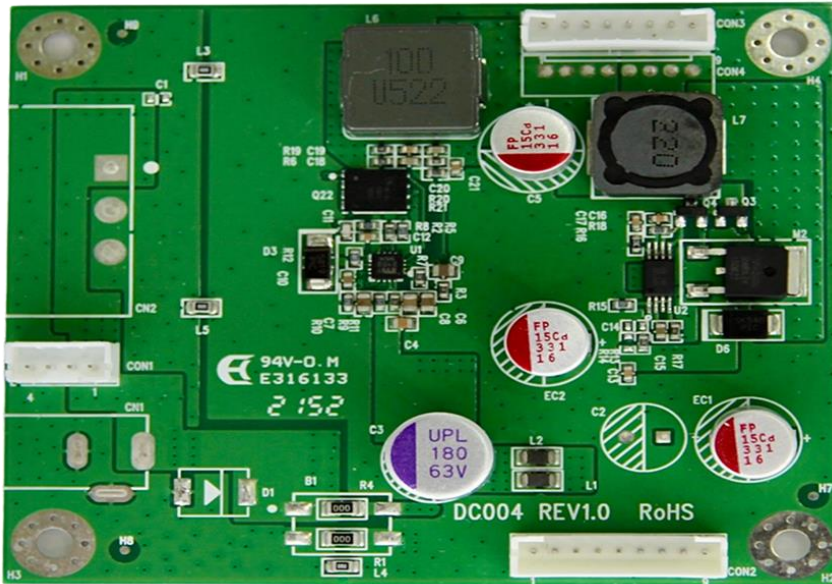
Pin	Description	Note
1,2,3,4	8V Output	
6,7,8,9	GND	

Board Dimension :80mm*70mm



PCB Thickness	1.6mm
PSB Horizontal size	80.0mm
PCB Vertical Size	70.0mm
PCB Height (PCB with components)	<20mm
Screw Holes	D=3.5mm

Board Photo :



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