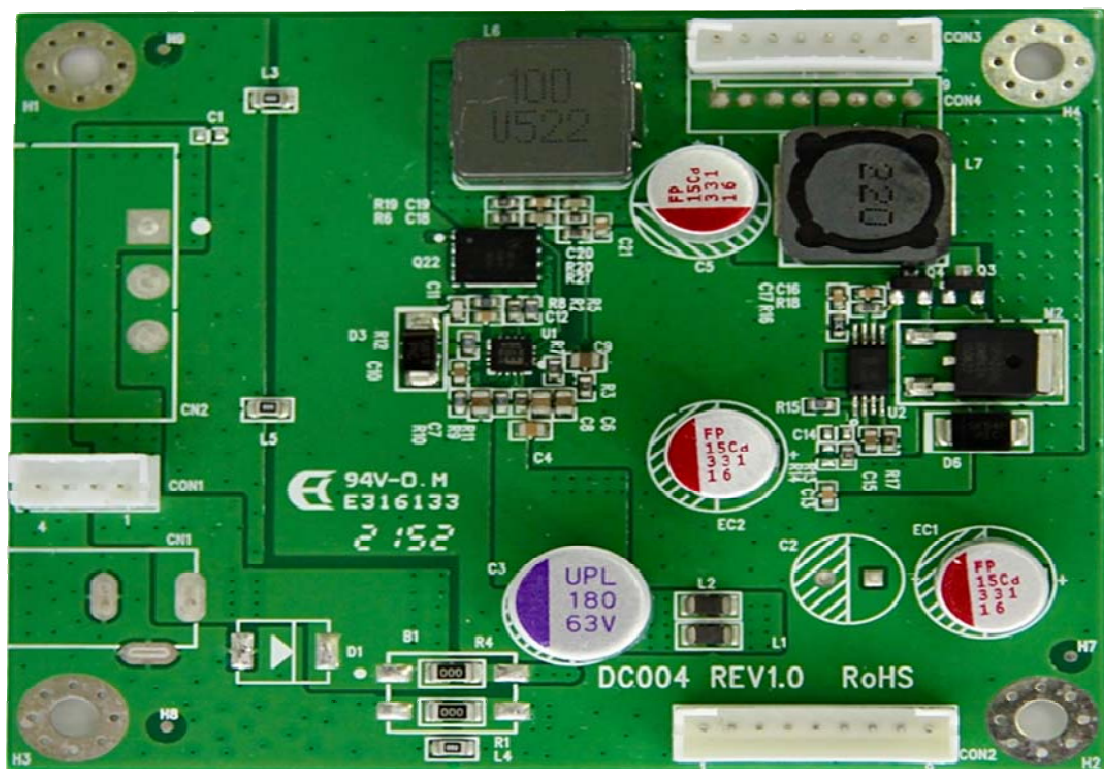


DC004



Converter board option

Mode	Teleview part no.	Description
1	CPCB-DC004-2S	Wafer, No Phoenix / DC jack
2	CPCB-DC004-3S	Wafer & DC jack, No Phoenix

Features

- Wide Input Voltage Range: 9V~35V+/- 10%
- Output Voltage 8V & 12V +/- 5%
- 4A / 8V or 3A / 12V output load current , total output power 36W max.
- Excellent line and load regulation
- High speed oscillator frequency: 600KHz max
- Low current consumption, Standby-by Mode 1 μ A
- High efficiency
- Thermal shutdown and current limit protection
- RoHS Compliant, 100%Pb & Halogen Free

1. Electrical Characteristics

Item	Parameter	Conditions	MIN	TYP	MAX
1	Output Voltage	Vin 24V , 0.2A ≤ Load ≤ 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

2. Operating / Storage temperature

Item	Parameter	Value
1	Operating	-20°C~70°C
2	Storage	-30°C~70°C

3.Connector Description

- Connector List

Connector	Function	Note
CN1	Input	DC JACK 2.5 ϕ
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 for connector

CN1: Input Connector (2.5 ϕ 3Pin DIP) Option

Pin	Function	Note
1	Input	Power supply of +9V~35V
2,3	GND	Ground

CN2: Input Connector (5.08mm, 3Pin DIP) Option

Pin	Function	Note
1	Input	Power supply of +9V~35V
2,3	GND	Ground

CON1: Input Connector (2.0 mm 4Pin DIP)

Pin	Function	Note
1,2	Input	Power supply of +9V~35V
3,4	GND	Ground

CON2: Output Connector (2.0 mm 9Pin DIP)

Pin	Function	Note
1,2	Output	Power supply of +9V~35V
3,4,5	GND	Ground
6,7,8,9	12V Output	Power supply of +12V

CON3: Output Connector (2.0 mm 8Pin DIP)

Pin	Function	Note
1,2,3,4	Output	Power supply of +8V
5,6,7,8	GND	Ground

Televue

Board Dimension :80mm x 70mm

Screw holes*2:3.5mm

PCB Thickness: 1.6mm

PCB Height (PCB with components):<20mm

