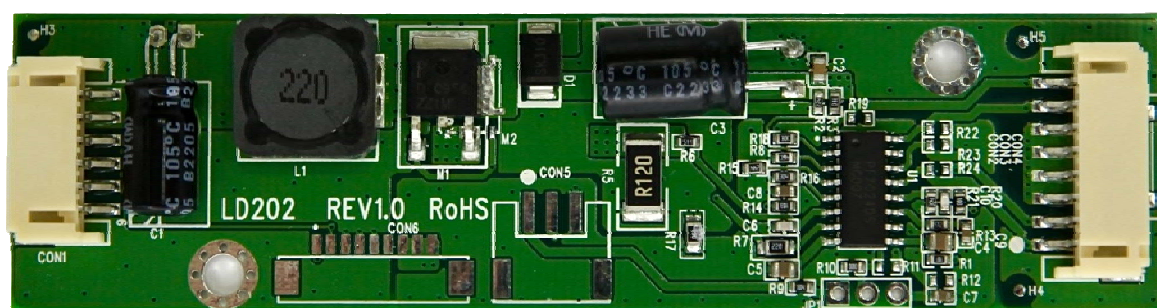


LD202



LED Driver board option

Mode	Teleview part no.	Description
1	CPCB-LD202XXX	Normal
2	CPCBWLD202XXX	Wide temp
3		
4		
5		

Features

- Drives 4 channels of LEDs at Up to 250mA
- $\pm 1.5\%$ Accurate LED Current Matching (Typ.)
- Wide Input Voltage Range: 10V to 30V
- Output Voltage Up to 80V
- Operating temperature range:
0°C to +55°C (Normal) , -30°C to +80°C (Wide temp.)
- Storage temperature range:
range: -40°C to +60°C (Normal) , -40°C to +80°C (Wide temp.)
- Operating humidity range : 0% to 80% (Non-condensing)
- Storage humidity range : 0% to 80% (Non-condensing)
- Multi-protect functions :
 - Support PWM dimming controls
 - Power MOSFET over-current protection
 - LED short circuit protection
 - LED open string protection
 - LED return to ground short circuit protection
 - Over-temperature protection
 - Over-voltage protection
- Meet RoHS requirement.

1. Support list (For reference only)

Mode	Load	XXX	CH	Mode	Load	XXX	CH
1	60mA	P1	4	25	95mA	PG	4
2	60mA	P1A	2	26	95mA	PGA	2
3	60mA	P1L	4	27	140mA	PH	4
4	120mA	P2	4	28	140mA	PHA	2
5	120mA	P2A	2	29	200mA	PJA	2
6	120mA	P2B	3	30	40mA	PK	4
7	44mA	P3	3	31	32mA	PL	4
8	110mA	P4	4	32	160mA	PM	4
9	110mA	P4A	2	33	29mA	PN	4
10	70mA	P5	4	34	25mA	PPA	2
11	70mA	P5B	3	35	180mA	PQA	2
12	65mA	P6	4	36	214mA	PRA	2
13	100mA	P7	4	37			
14	100mA	P7A	2	38			
15	100mA	P7B	3	39			
16	90mA	P8	4	40			
17	90mA	PL	4	41			
18	80mA	P9	4	42			
19	130mA	PA	4	43			
20	150mA	PB	4	44			
21	85mA	PC	4	45			
22	50mA	PD	4	46			
23	55mA	PE	4	47			
24	45mA	PF	4	48			

2. Connector Description

- Connector List

Connector	Function	Note
CON1	Input	PH 2.0mm, 6Pin , 90° , SMD
CON6	Input	PH 1.25mm, 9Pin , 90° , SMD , Option
CON2	Output	PH 2.0mm, 8Pin , 90° , SMD
CON3	Output	PH 1.0mm, 6Pin , FPC , SMD , Option
CON4	Output	PH 0.5mm, 10Pin , FPC , SMD , Option

Pin definition for connector

CON1: Input Connector (2.0 mm 6Pin)

Pin	Function	Note
1,2	12V Input	Power supply of +12Vdc
3	Dimming control	PWM : 100Hz~30KHz / Min. duty 6uS / Min 0V ,Max 5V
4,6	GND	Ground
5	ON/OFF Control	5V ON;0V OFF

CON6: Input Connector (1.25mm 9Pin)

Pin	Function	Note
1	Dimming control	PWM : 100Hz~30KHz / Min. duty 6uS / Min 0V ,Max 5V
2	ON/OFF Control	5V ON;0V OFF
3,4,5	GND	Ground
6	N.C.	Not connect
7,8,9	12V Input	Power supply of +12Vdc

CON2: Output Connector (2.0 mm 8Pin)

Pin	Function	Note
3~6	LED Anode	Vdc
1,2,7,8	LED Cathode	Isen1~Isen4

CON3: Output Connector (1.0 mm 6Pin)

Pin	Description	Note
3,4	LED Anode	Vdc
1,2,5,6	LED Cathode	Isen1~Isen4

CON4: Output Connector (0.5 mm 10Pin)

Pin	Description	Note
1,2,3	LED Anode	Vdc
4,5,6,7,8	LED Cathode	Isen1~Isen4
9,10	N.C.	Not connect

Board Dimension :100mm*26mm*9.6mm

Screw holes*4:3.5mm

