DC-DC2

Power Converter Module

User's Manual

Edition 1.3
2023/10/06

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Any questions please visit our website at http://www.commell.com.tw

Packing List:

Please check the package content before you starting using the board.

Hardware:

DC-DC2 Power converter module x 1

Cable Kit:

**DC Power Cable x 1
(1040071)**

**DC12V to MB Cable x 1
(1040049)**
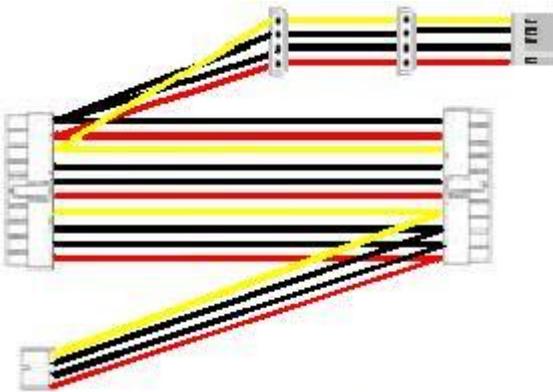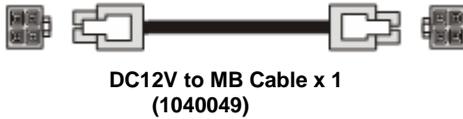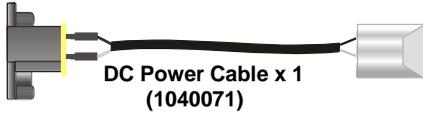
**ATX to MB Cable x 1
(1040135)**

Index

1.0 <Product Information>

Power Input:

8 ~ 24VDC full range power input (MAX 150W)

External 2-pin wafer or DC Jack connector

Power output:

	Range	Max Load
+3.3	3.14 ~ 3.47	6 A
+5	4.75 ~ 5.25	10 A
+12	11.4 ~ 12.6	5 ~ 8 A
-12	-10.8 ~ -13.2	0.6 A

1.1 <Mechanical Drawing>

1.77 [45.01]

1.52 [38.51]

0.26 [6.50]

0.20 [5.00]

5.67 [144.09]

6.10 [154.99]
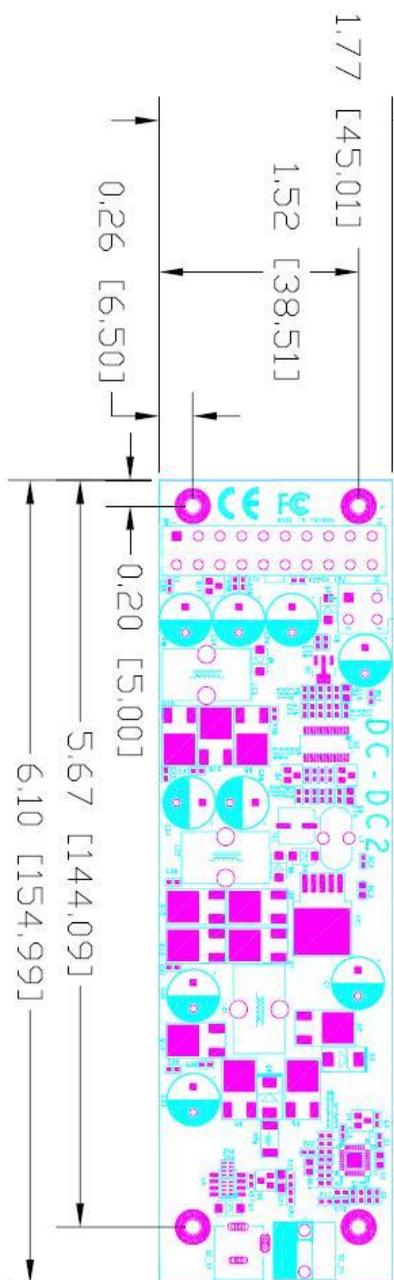
1.2 < DC-DC2 installation guide >
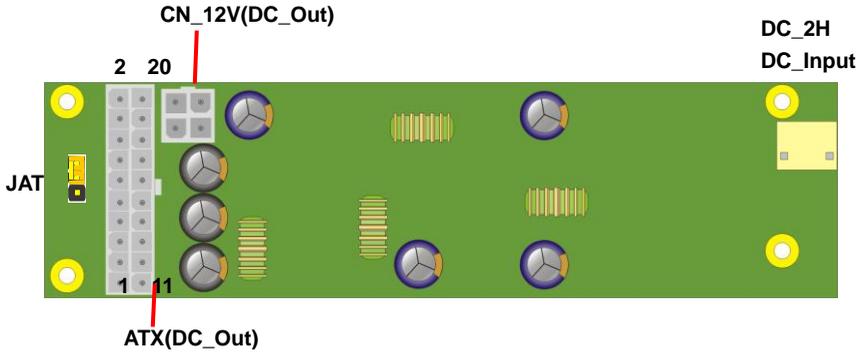
Remark : When the DC input voltage during 8~12V, +12 V only provide 5A output.

Dimension (W x L)	45 x 155mm		
DC Input	8~24V		
DC output	**Voltage**	**Range**	**Max Load**
	+3.3V	3.14~3.47V	6A
	+5V	4.75~5.25V	10A
	+12V	11.4~12.6V	5~8A
	-12V	-10.8~ -13.2V	0.6A

1   **10**

11   **20**
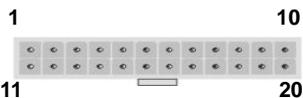
Connector: **ATX**

Type: 20-pin ATX power connector

Pin	Description	Pin	Description
10	12V	20	5V
9	5VSB	19	5V
8	PWOK	18	N/C
7	GND	17	GND
6	5V	16	GND
5	GND	15	GND
4	5V	14	PSON
3	GND	13	GND
2	3.3V	12	-12
1	3.3V	11	3.3V

4   **3**

2   **1**
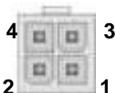
Connector: **CN_12V**

Type: 4-pin standard Pentium 4 additional +12V power connector

Pin	Description	Pin	Description
1	Ground	2	Ground
3	+12V	4	+12V

Jumper: **JAT**   **1**

Type: Onboard 3-pin jumper   **3**

JAT	Mode
1-2	ATX mode-default
2-3	AT mode
Default	setting

Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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