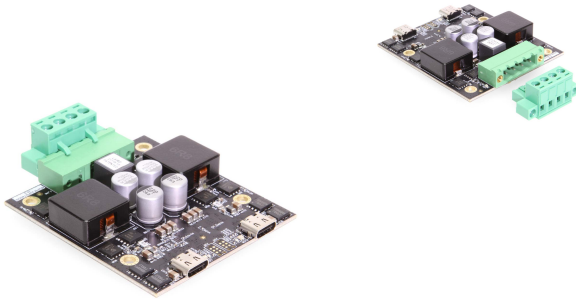


Technical Data Sheet Rev 06-250611

# 280W Dual USB Type-C PD Charger PCBA w/ 140W Per Port & EPR Support

Model Number: CG-2xPD140UM-PCBA



## Features

- 280W USB PD3.1 Dual Port Type C EPR 28V capable Buck-boost DC adapter. 140W Power Delivery output per port.
- Supports most PD protocols including PD3.1, PPS, QC4.0+, BC1.2, etc.
- Comprehensive system protections such as OVP, OCP, SCP, and open loop.
- With Introduction of Extended Power Range "EPR" USB Power Delivery this super compact 12~24V DC Input 280W USB C Power Adapter offers the fastest possible charging speed for your USB Type-C devices.
- Note: USB-C EPR required for 140W PD output per port is NOT included.

## Package Contents

- Charger - Board Only

## Specifications

### PRODUCT TERMS

|                          |   |
|--------------------------|---|
| <b>Product Terms</b>     | NOTICE: Coolgear strongly recommends purchasing one to two (1–2) units for initial evaluation. This product is intended for integration, evaluation, and testing purposes only, to assess its suitability and identify potential modifications for a specific use case. It is not designed for single-use scenarios. Before integrating this product into your project or placing a large-quantity order, please contact Coolgear to discuss your project requirements. For more details, refer to the Development Product Terms below. |
| <b>Product Terms URL</b> | <a href="https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf">https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf</a>   |

### OVERVIEW

|                               |                   |                          |             |
|-------------------------------|-------------------|--------------------------|-------------|
| <b>Model No</b>               | CG-2xPD140UM-PCBA | <b>Product Type</b>      | OEM Boards  |
| <b>UPC</b>                    | 045079164420      | <b>Country of Origin</b> | China       |
| <b>LED indicators</b>         | None or N/A       | <b>Chipset</b>           | UM3506-BPQH |
| <b>Electrical Protections</b> | 15KV              |                          |             |

### PHYSICAL

|                          |             |                         |             |
|--------------------------|-------------|-------------------------|-------------|
| <b>Ship Weight (lbs)</b> | 0.41 lbs    | <b>Ship Weight (kg)</b> | 0.19 kg     |
| <b>Item Weight</b>       | 0.32 lbs    | <b>Length</b>           | 3.74 inches |
| <b>Width</b>             | 2.75 inches | <b>Height</b>           | 1.00 inches |

## Specifications Cont.

### CONNECTIONS

|                             |                              |
|-----------------------------|------------------------------|
| Maximum Data Rate           | N/A                          |
| Downstream Port Count       | 2                            |
| Downstream Port Type        | 2x Type C (Charging)         |
| Works as Standalone Charger | Y - Can be used without Host |
| Can be Bus Powered          | N - External Power Required  |

### POWER

|                            |   |
|----------------------------|---|
| Input Voltage              | 12 ~ 24V DC   |
| Power Connector            | 4-Pin Terminal Block  |
| Supported Charge Protocols | AFC   Apple Charge 2.4A   BC 1.2   DCP   FCP   QC 3.0 / 2.0   QC 4.0 / 3.0 / 2.0   SCP   VOOC |

### OS SUPPORT

|                             |  |
|-----------------------------|--|
| Supported Operating Systems | OS independent - No software or drivers required |
|-----------------------------|--|

### WARRANTY

|                 |        |
|-----------------|--------|
| Warranty Period | 1 Year |
|-----------------|--------|

### PRODUCT URL

|              |   |
|--------------|---|
| Product Page | <a href="https://www.coolgear.com/product/280w-dual-usb-type-c-pd-charger-pcba-w-140w-per-port-epr-support">https://www.coolgear.com/product/280w-dual-usb-type-c-pd-charger-pcba-w-140w-per-port-epr-support</a> |
|--------------|---|

## USB CHARGING & CONNECTIVITY EXPERTS

# We Speak Your Speak



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