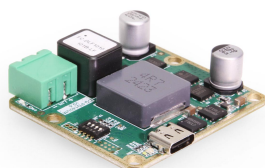


Technical Data Sheet Rev 06-250609

# 140W EPR USB-C PD Charger Board w/ 11.6V Cutoff

Model Number: CG-PD140UM-PCBA



## Features

- This compact PCBA is perfect for integration into custom power solutions, including PC power adapters, mobile chargers, car chargers, and power banks, offering advanced charging features and extensive configurability.
- 140W USB PD 3.1 Output: Supports up to 28V5A with EPR for demanding devices.
- Versatile Output Options: SPR modes (5V3A, 9V3A, 12V3A, 15V3A, 20V5A) and EPR mode (28V5A).
- Broad Protocol Support: Compatible with PD3.1, PPS, QC4.0+, BC1.2, and more.
- Power Feature: Equipped with an 11.6V cutoff for protection

## Package Contents

- PCBA

## 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>Product Note</b>	Note: USB-C to MagSafe 3 Cable required for 140W PD output is NOT included.		
<b>Model No</b>	CG-PD140UM-PCBA	<b>Product Type</b>	OEM Boards
<b>UPC</b>	045079164895	<b>Country of Origin</b>	China
<b>LED indicators</b>	None or N/A	<b>Chipset</b>	UM3506
<b>Electrical Protections</b>	15kV		

### PHYSICAL

<b>Ship Weight (lbs)</b>	0.09 lbs	<b>Ship Weight (kg)</b>	0.04 kg
<b>Item Weight</b>	0.0375 lbs	<b>Length</b>	1.935 inches
<b>Width</b>	1.775 inches	<b>Height</b>	0.605 inches

## Specifications Cont.

### CONNECTIONS

USB Specification	N/A
Maximum Data Rate	N/A
Downstream Port Type	1x Type C (Charging)

### POWER

Input Voltage	12 ~ 24V DC
Min Input Voltage	11.6V DC
Max Input Voltage	24V DC
Power Connector	Phoenix 2-pin
Supported Charge Protocols	AFC   Apple Charge 2.4A   BC 1.2   CDP   DCP   FCP   QC 4.0 / 3.0 / 2.0   SCP   VOOC
Charging Details	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A, EPR: 28V5A

### 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/140w-epr-usb-c-pd-charger-board-w-11-6v-cutoff">https://www.coolgear.com/product/140w-epr-usb-c-pd-charger-board-w-11-6v-cutoff</a>
--------------	---

## USB CHARGING & CONNECTIVITY EXPERTS

# We Speak Your Speak



When you reach out to Coolgear support, you'll find yourself in the hands of a solution-oriented and knowledgeable expert ready to answer whatever question you throw at them. Go ahead, test us.

[Visit Support](#)