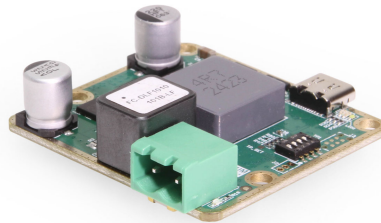
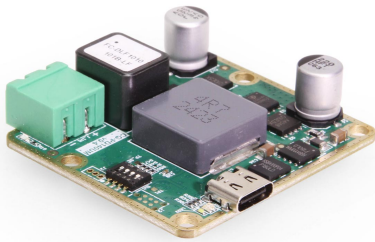


Technical Data Sheet Rev 06-250224

# 140W EPR USB-C PD Charger Board w/ 11.6V Shutoff & Dip Switch Configuration for 45/60/100/140

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.
- Equipped with an 11.6V shutoff jumper and DIP switches, allowing configuration for 45W, 60W, 100W, or 140W output depending on your input requirements.

## Package Contents

- PCBA

## Specifications

### 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>Compliance</b>	None or N/A	<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
<b>Material</b>	N/A	<b>Color</b>	Green
<b>Mountable</b>	Bare PCB		

Specifications Cont.

**CONNECTIONS**

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

**POWER**

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

**OS SUPPORT**

<b>Supported Operating Systems</b>	OS independent - No software or drivers required
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**WARRANTY**

<b>Warranty Period</b>	1 Year
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**PRODUCT URL**

<b>Product Page</b>	<a href="https://www.coolgear.com/product/140w-epr-usb-c-pd-charger-board-w-11-6v-shutoff-dip-switch-configuration-for-45-60-100-140">https://www.coolgear.com/product/140w-epr-usb-c-pd-charger-board-w-11-6v-shutoff-dip-switch-configuration-for-45-60-100-140</a>
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