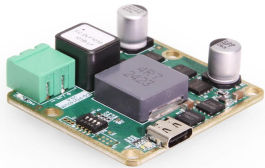


Technical Data Sheet Rev 06-250321

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

OVERVIEW

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

PHYSICAL

Ship Weight (lbs)	0.09 lbs	Ship Weight (kg)	0.04 kg
Item Weight	0.0375 lbs	Length	1.935 inches
Width	1.775 inches	Height	0.605 inches
Material	N/A	Color	Green
Mountable	Bare PCB		

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
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WARRANTY

Warranty Period	1 Year
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PRODUCT URL

Product Page	https://www.coolgear.com/product/140w-epr-usb-c-pd-charger-board-w-11-6v-cutoff
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USB CHARGING & CONNECTIVITY EXPERTS

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