

Technical Data Sheet Rev 06-250610

4 Port GL 3523 Hub PCBA w/ LED Indicators & High Current Output

Model Number: CG-3523A-PCBA



Features

- USB 3.2 Gen 1 compliant, ensuring super-fast 5Gbps data transfer
- 20kV ESD surge protection to keep connected peripherals safe
- Upstream: 1 USB Type-B connector
- Downstream: 4 USB Type-A connectors
- Power Connector: DC Barrel Connector 12 ~ 24V DC Input

Package Contents

- Hub - Board Only

Specifications

PRODUCT TERMS

Product Terms	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.
Product Terms URL	https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf

OVERVIEW

Model No	CG-3523A-PCBA	Product Type	USB Charger Hub
UPC	045079163812	Country of Origin	China
LED indicators	Port Status Power	Chipset	GL3523
Electrical Protections	20KV		

PHYSICAL

Ship Weight (lbs)	0.07 lbs	Ship Weight (kg)	0.03 kg
Item Weight	0.069 lbs	Length	1.97 inches
Width	1.88 inches	Height	0.72 inches

Specifications Cont.

CONNECTIONS

USB Specification	USB 3.2 Gen 1
Upstream Port Type	USB 3.2G1 / 3.0 Type-B Female
Maximum Data Rate	5 Gbps
Downstream Port Count	4
Downstream Port Type	4x Type A USB 3.2 G1 / 3.0
Works as Standalone Charger	Y - Can be used without Host
Can be Bus Powered	N - External Power Required
Bus Power Isolation	N

POWER

Input Voltage	12 ~ 24V DC
Min Input Voltage	9v
Max Input Voltage	28v
Power Connector	DC barrel, 2.5 ID x 5.5 OD, Center Pin Positive
Idle Power Draw	180mA @12v Terminal - With Host 0mA @ 12v Terminal - No Host
Max Power Draw	40W
Max Per Port Draw	2.4A (12W)
Supported Charge Protocols	DCP

ENVIRONMENTAL

Operating Temperature	0C ~ 55C
Storage Temperature	-25C ~ 70C
Operating Humidity	5% to 95% RH

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/4-port-gl-3523-hub-pcba-w-led-indicators-high-current-output
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USB CHARGING & CONNECTIVITY EXPERTS



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