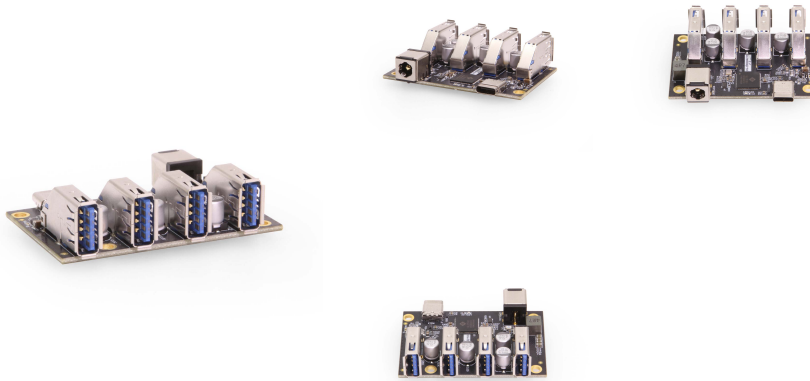


Technical Data Sheet Rev 06-250609

4 Port USB 3.2 Gen 2 Mini Powered PCBA w/ ESD Surge Protection & Power Adapter

Model Number: CG-3590X4AX1C-PCBA



Features

- Perfect for discreet installations in offices, labs, warehouses, heavy machinery, automation equipment, and other industrial applications.
- Each port is equipped with independent power switches, offering a maximum power per port of 2A for safe and reliable device charging.
- Upstream: 1 USB port, Type C connector
- Downstream: 4 USB ports, Type A connectors
- Power Connector: DC Barrel 2.5mm ID x 5.5mm OD, Center Pin Positive

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-3590X4AX1C-PCBA	Product Type	OEM Boards
UPC	045079164857	Country of Origin	China
LED indicators	None or N/A	Chipset	GL3590
Electrical Protections	±25KV Air, ±20KV Contact		

PHYSICAL

Ship Weight (lbs)	0.07 lbs	Ship Weight (kg)	0.03 kg
Length	2.50 inches	Width	1.75 inches
Height	0.75 inches		

Specifications Cont.

CONNECTIONS

USB Specification	USB 3.2 Gen 2
Upstream Port Type	USB 3.2G2 / 3.0 Type-C Female
Maximum Data Rate	10Gbps
Downstream Port Count	4
Downstream Port Type	4x Type A USB 3.2 G2
Can be Bus Powered	Y - Supports Bus Power

POWER

Input Voltage	12V DC
Power Connector	DC barrel, 2.5 ID x 5.5 OD, Center Pin Positive
Supported Charge Protocols	BC 1.2 CDP DCP Samsung SDP

ENVIRONMENTAL

Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Operating Humidity	5% ~ 95% (non-condensing)

OS SUPPORT

Supported Operating Systems	Linux OSX 10 Windows 11 Windows 10 Windows 8 Windows 7
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WARRANTY

Warranty Period	1 Year
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PRODUCT URL

Product Page	https://www.coolgear.com/product/4-port-usb-3-2-gen-2-mini-powered-pcba-w-esd-surge-protection-power-adapter
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USB CHARGING & CONNECTIVITY EXPERTS

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