

Beckhoff — C9 PC Accessories

CP9842_1

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The **CP9842_1** is a PCB interface card produced by Beckhoff as part of the C9 PC Accessories series. It installs inside industrial PCs to provide an internal junction for peripheral lines, touchscreen wiring, and auxiliary power distribution used in automated machinery. The card has an open-board layout that connects with adjacent modules through edge connectors, allowing the system to gain additional functions without requiring a larger enclosure. Its compact format also allows it to fit within densely arranged industrial computer assemblies where internal space is limited.

This board carries an integrated **MAX3815** signal conditioner, which equalizes differential channels before their signals reach the host controller. With an estimated mass of only **0.01 lb**, the card adds minimal load to its mounting points. Field wiring enters through **three circular industrial connectors**, providing separate connections for power, data, and touchscreen signals while keeping the board footprint compact. Each signal pin has **gold-plated contacts** that help minimize oxidation and electrical contact resistance during extended service. A **board-to-board header** relays auxiliary buses to neighboring PCBs. The component side is fully populated, and the circuitry is not enclosed by a protective housing. Touchscreen wiring is routed to a white multipin connector that separates high-impedance sensor lines from field power connections.

Electrical protection is provided by a **yellow PTC resettable fuse**, which limits fault current before excessive heat can damage the circuit traces. The assembly uses a matte **black solder mask** that provides contrast around traces, pads, and components during visual inspection. Installation uses a **screw-mounted PCB** arrangement with

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plated mounting zones that accept standoffs. The board has **two mounting holes**, allowing it to be secured without placing excessive stress on the board edge. Signal paths between the board layers are arranged around the gold-plated header to maintain organized routing between connected circuits. Because the board has an open layout, air can circulate across components that generate heat during continuous industrial operation.

Specifications

Board Type:	PCB Interface Card	Board-to-board Header:	Present	Component Side:	Populated
Connector Type:	Circular Industrial Connectors	Estimated Weight:	0.01 lb	Housing Style:	Open Board Assembly
Integrated Ic:	MAX3815	Mounting Holes:	2	Mounting Style:	Screw-Mounted PCB
Pcb Color:	Black	Primary Connector Count:	3	Protection Component:	Yellow PTC / Resettable Fuse
Signal Connector Pins:	Gold-Plated Contacts	Touch Interface Connector:	White Multi-Pin Connector	Last Verified:	10/22/2026 8:59 AM

Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

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