THE OFFICIAL DAILY

#DAY2



Source: AI-generated

06 Big questions. Big names. What happened when industry leaders met at electronica's CEO Roundtable?

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Manufacturing

What happens beyond the SMT line? Deltec Group combines digital assembly guidance with two cobots for PCB testing—and demonstrates both at electronica.

>> Hall A1, Booth 407

28

Embedded

Picking an MCU is just the start. Renesas Xplore connects tools, hardware, code, and support to guide embedded projects from first idea to deployment.

>> Hall C5, Booth 479

36

Simulation

Heat affects electrical behavior. Comsol links multiphysics and system models while AI agents automate simulations. See what it means for design.

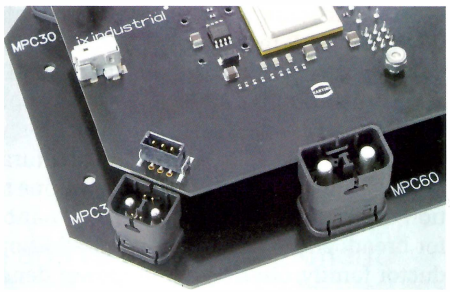
>> Hall A4, Booth 329



High-Current Connectivity

Han MPC Gets PCB Versions

Harting unveils new PCB versions of its Han MPC (Miniature Power Connector) at electronica 2026. The connectors are designed for applications where size, weight, and power (SWaP) are critical, including drones, humanoid robots, and other mobile machines. Straight and angled versions give developers options for integrating the connectors into different PCB layouts.



Source: Harting

PCB Connectivity: Harting's new Han MPC PCB connectors combine high-current power transmission with signal contacts for robotics and UAV applications.

The MPC30 carries up to 30 A, with peak currents of up to 180 A for ten seconds. The MPC60 is rated for up to 60 A and peak currents of up to 350 A. Up to four har-speed contacts enable DroneCAN communication, allowing power and data connections to be accommodated in the same connector system.

The high peak-current ratings address the short bursts of power required by electric drives. Drones and mobile robots also share a similar electrical architecture: power passes from the battery through a power distribution board to electronic speed controllers, which drive the motors. Space and weight constraints make connection technology an important design consideration. The PCB versions extend the existing Han MPC family rather than introducing an entirely new connector series. Harting will also highlight its "Design for Excellence" approach, focusing on how early connector decisions influence manufacturability, servicing, and costs throughout a product's life.
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Test & Measurement

Pogo Pins Rated for One Million Cycles



Source: AI-generated illustration

Test Probes: Spring-loaded pogo pins with different tip geometries for reliable electrical contact in PCB testing.

Memory Protection Devices (MPD) has introduced its PTP-2L series of spring-loaded test probes for printed circuit board testing and automated test equipment (ATE). The pogo pins establish temporary electrical contact between a test fixture and PCB test points, supporting in-circuit testing, functional tests and high-volume production.

MPD rates the contacts for one million actuations, ten times the 100,000-cycle industry benchmark cited by the company. The longer service life is intended to reduce probe replacement, maintenance and production downtime while maintaining stable, low-resistance connections.

The three-part construction combines a gold-plated hardened tool-steel plunger, a gold-plated music-wire spring and a gold-plated phosphor-bronze barrel. The materials are selected for conductivity, corrosion resistance and mechanical durability during repeated compression. The PTP-2L series is available with 3-, 4- and 8-point crown tips, small and medium triangular pyramid tips, blade tips and waffle tips. Different geometries help adapt the contact to test points and surface conditions. Beyond PCB and semiconductor testing, MPD lists burn-in systems, charging stations, battery contacts and temporary board-to-board connections among possible applications. The probes are available through the company's distribution network.
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