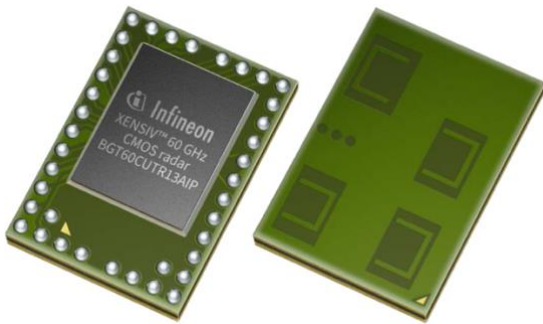




M2S Tech 2026 Q2 Product Highlights

We are excited to share some of the latest technologies from our supplier partners that may be beneficial in your current or upcoming design efforts. Feel free to reach out to our team if you are interested in discussing any products in more depth or would like to receive samples.

M2S Tech Contact Page: <https://m2stech.com/contact-us>



Infineon 60GHz CMOS Radar Sensors

Infineon's new XENSIV™ 60 GHz CMOS mmWave radar sensors offer advanced sensing capabilities with high precision and ultra low power consumption. The integrated hardware accelerator and the bootloader, allow the device to operate autonomously and offload complex tasks from the host MCU by running either pre-processing steps or complete motion detection on-chip. With improved bandwidth and output power the CMOS product family achieves exceptional resolution and detection ranges to enable wide range of applications from simple motion detection and presence sensing to people tracking, gesture control, or vital signs monitoring.



Murata High-Precision 6-axis IMU

In demanding inertial measurement applications such as dead-reckoning navigation as well as drone and camera stabilization, small measurement errors can accumulate over time leading to unpredictable measurement results. In these applications, key IMU parameters such as noise density, offset bias drift, and vibration rectification ultimately limit the end-application performance and achievable response speed. Murata improves all the key areas with the new SCH16T-K20, which features a brand-new MEMS accelerometer and improved gyroscope temperature calibration.

The driver behind the SCH16T-K20 accelerometer performance improvement is the brand-new accelerometer MEMS based on Murata's proven 3D MEMS technology. The new MEMS uses a double-differential measurement principle, familiar from current SCA3400 and legacy SCA103T series sensors. The double differential measurement enables SCH16T-K20's market leading low noise density, as well as thermal and lifetime stability.



Digi XBee XR PRO RF Module

The Digi XBee XR PRO modules can be configured easily using Digi's easy-to-use Digi XBee Studio software or via Digi's simplified AT or API command sets. They are pre-certified for use in multiple countries and include integrated antennas, removing the burden of RF development and support costs, and enabling fast time to market for OEM designs.

The utilization of Frequency Hopping Spread Spectrum (FHSS) on the Digi XBee XR PRO modules along with an industrial temperature range of -40 °C to 85 °C (-40 °F to 185 °F) make it ideal for applications in noisy, challenging environments. The module supports both point-to-point and mesh networking protocols (DigiMesh), with a line-of-sight range up to 18 kilometers (11 miles). It is well suited for agriculture and energy applications where long-distance communication is required.



Hirose KMA01 RF Coax Connector

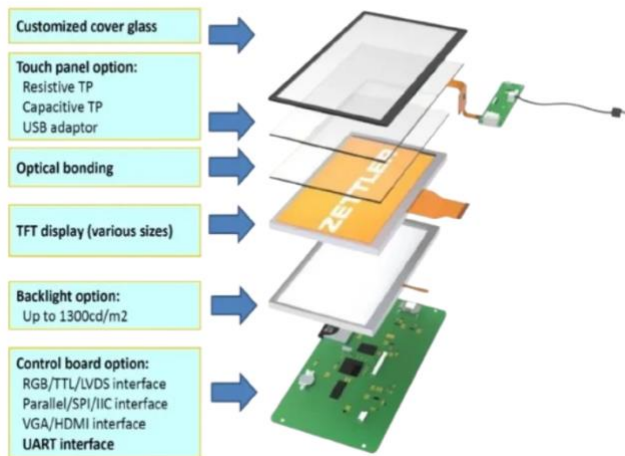
RF Coaxial Connector for Video Transmission & Antenna Communication

- 1 Wide Range of Low-Profile Coaxial Connector Variations
 - Wire-to-board and wire-to-wire types
 - 2 Designed to Meet Strict Automotive Requirements
 - 3 Excellent High-Frequency Performance
 - V.S.W.R.: 1.5 Max. (0 to 6GHz)
 - 4 Automotive-Grade Connector for In-Vehicle Systems
 - Infotainment, cameras, and antennas
 - 5 Housing Structure Compatible with Ø3.0 Cable
-



Nichicon PCA Series

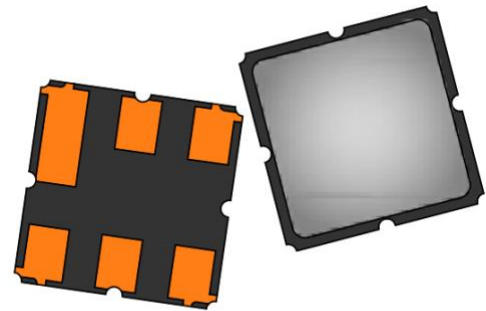
Nichicon's PCA series features highly reliable chip-type conductive polymer aluminum solid electrolytic capacitors with high ripple current. PCA capacitors exhibit low ESR and a long life of 4,000 hours at 125 °C, as well as compliance with AEC-Q200 standards for automotive applications. Models are available with rated voltages from 25 V to 63 V and capacitances from 47 µF to 470 µF. These capacitors are surface mountable and can withstand lead-free reflow soldering up to 260 °C



AZ Displays Value Added Services

AZ Displays is a leader in value-added solutions and embedded systems for all types of display technologies. With global and regional application engineering support, our team is able to provide custom solutions that encompass the following value-added features:

1. Custom Cover Glass/Touch Panels
2. Optical Bonding
3. Environment Consideration (Ball Drop, UV Degradation, Sunlight Readability)
4. Embedded Systems
5. Interface
6. Mechanical Integration



PDI SAW Filters / Ceramic Filters

PDI's expansive filter product offering serves nearly every application and performance level, with Avionics-grade reliability. PDI's philosophy of developing standard design platforms that can be easily customized to meet the Application Specific demands allows customers to cost effectively optimize their overall system performance. PDI has the solution and technical resource to make customer's designs perform at the highest level.

PDI's SAW Filters are available over a wide range of frequencies and are custom designed/fabricated to meet a wide range of requirements. Their high Quality Factor ("Q") fosters sharp cutoff characteristics, low loss, good inter-modulation and tight stability over wide temperature ranges.