



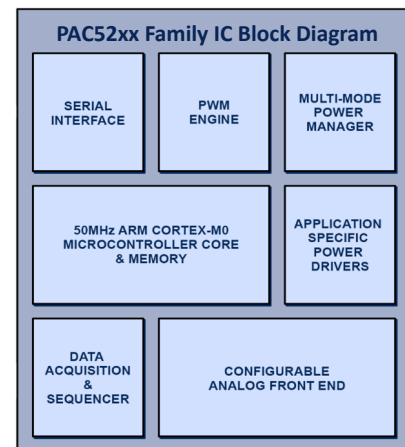
- Headquartered in Dallas, Texas, USA
- Founded in 2004
- Investors: LG, USVP and Tenaya Capital
- 1.5 Billion ICs shipped
- Shipping over 30M ICs per Quarter
- Operations in the US, Europe, China, Taiwan, Hong Kong, Japan and S Korea
- ISO 9001:2008 Company
- www.active-semi.com/about/leadership

- PAC52xx Power Application Controller (PAC)TM family of ICs
- ActivePMUTM Power Management ICs
- Specialized Single-IC solutions for Power Banks, Bluetooth Speakers power
- ActivePSRTM, ActiveQRTM family of Primary & Secondary side regulators

- Support thro world-wide sales & field applications (ICs, Hardware & firmware)
- World-wide distribution and Independent Design House (IDH) partnerships
- Evaluation kits, Application Solution kits, and reference design to jump start
- Firmware code, Example code, software development environment (SDK) for PAC

- Offline ACIM/PMSM Motor Control (FOC)
- BLDC Motor Control (Sensored, Back-EMF Sensorless, FOC)
- Drones, RCs
- Wireless Power & Chargers (up to 150W)
- Wearables, POS, Smart watches
- Power Banks
- LED Lighting
- UPS, Power Inverters
- Induction Heat Cooking
- High-voltage system controllers

Active-Semi's industry leading **Power Application Controller™ (PAC™)** family of ICs offers unprecedented flexibility and scalability in the systems design of power control applications such as **wireless power, High-voltage ACIM, PMSM motor drives, Sensored / sensorless control for BLDC motors, Drones and RCs, Power tools, high-voltage system controllers etc.** PAC™ enables single-IC based system solutions in the target power applications.



With an embedded **ARM Cortex MCU** integrated with highly sophisticated, yet configurable analog and power peripherals, PAC™ Family offers highly integrated ICs ideal for developing power applications with input voltage up to 70V DC and universal AC voltages, and output power ranging from **few watts to a few kilo watts**. PAC™ family also features **52V/70V/600V gate drivers** for up to **3 half-H bridges** driving MOSFETs or IGBTs, **Multimode Power Manager** for AC-DC and DC-DC conversion, LDOs, **Configurable AFE**, High-precision DACs, ADC, single-ended & differential PGAs, PWM Engines, SPI, I2C, UART and other peripherals.

Learn more about PAC52xx ICs, Reference Kits at www.active-semi.com/pac



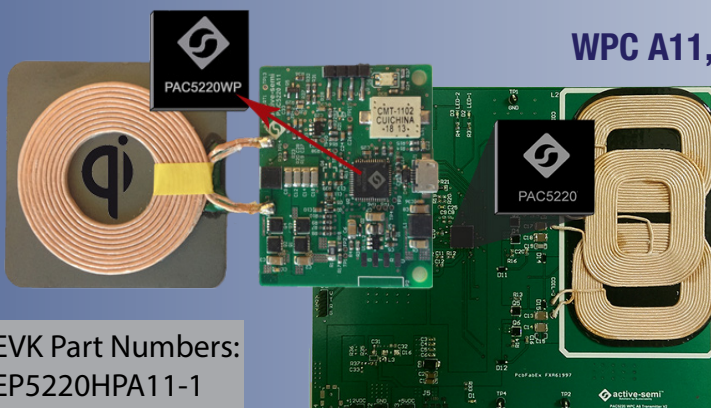
Active-Semi also offers a wide range of specialized and catalog analog power ICs including,

- * Power management ICs (PMICs/PMUs) for Atmel SAMA5 and SAM9 eMPUs
- * PMICs for popular single and multicore processors
- * Single-IC power management solutions for Power Bank products, Bluetooth speakers
- * High-power and low-power DC-DC power converter products
- * ActivePSR™ and ActiveQR™ line of primary side and secondary side regulator ICs

Active-Semi International, Inc.
700 Central Expressway South, Ste. 330
Allen, TX 75013
USA

For full list of Active-Semi IC Products & Evaluation Kits, and to order visit www.active-semi.com, or email sales@active-semi.com

Industry Leading Smart Power Application Design with Active-Semi's Power Application Controller™ (PAC™) IC Family



EVK Part Numbers:
EP5220HPA11-1
EP5220A6-1

PAC™ Solutions for WPC A11, A6 and Medium Power Wireless Charging

- * Latest Qi version 1.1.2 compatible
- * Industry's highest efficiency
- * Industry's lowest standby power
- * Industry's lowest BOM cost solution
- * Turnkey solution with preloaded firmware
- * Customizable features for LEDs, Buzzer
- * PAC5220 IC based scalable platform beyond WPC for multi-coil, multi-mode, medium & high power wireless chargers up to 150W

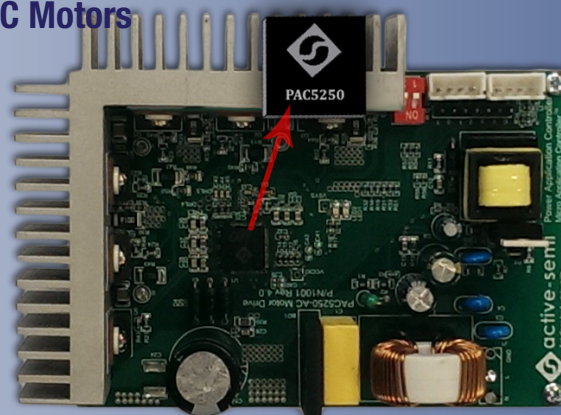
PAC5220 IC and Wireless Power Solution Kit in Production. Order Now

PAC™ Solutions For High-Voltage ACIM/PMSM FOC Motors

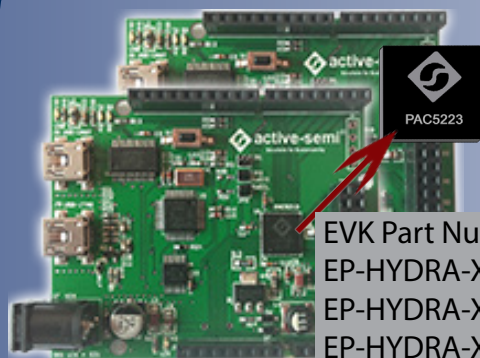
- * PAC5250 Single-IC based FOC Motor solution
- * Integrated 600V gate drivers for 3 Half H-bridges
- * Integrated Multi-mode Power Manager for AC-DC, DC-DC conversion, 4 LDOs for system power
- * Integrated Configurable AFE with single & diff PGAs, comparators, precision DACs, ADC
- * Integrated ARM Cortex MCU, SDK for development
- * FOC Firmware, Speed estimator, Software GUI for motor parameter tuning and development

EVK Part Number:
SP5250HVM2-1

PAC5250 IC and HV FOC Motor Solution Kit in Production. Order Now



PAC™ Solutions For BLDC Motor Control, RCs & Drones



EVK Part Numbers:
EP-HYDRA-X10-1
EP-HYDRA-X20-1
EP-HYDRA-X23-1
EP-HYDRA-X23S-1

- * PAC5223 & PAC5220 Single-IC based BLDC Motor solutions
- * HYDRA-X Development Kits For Easy System Development
- * Integrated 70V gate drivers for 3 Half H-bridges
- * Integrated Multi-mode Power Manager for AC-DC, DC-DC conversion, 4 LDOs for system power
- * Integrated Configurable AFE with single & differential PGAs, comparators, precision DACs, ADC
- * Integrated ARM Cortex MCU, SDK for development
- * Firmware for Sensored, Back EMF Sensorless and FOC
- * Software GUI for motor tuning and control

PAC5220 IC and BLDC Motor Solution Kit in Production. Order Now

For more Active-Semi IC Products, Evaluation Kits, Application Solutions
visit www.active-semi.com, or email sales@active-semi.com

Order your samples now