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AccuTouch COACH IIs Chip Controller

The COACH IIs (Controller On A Chip, second generation) (Part # E705204, RoHS Compliant) is a compact, lower-power controller chip for AccuTouch five-wire resistive applications. It operates at both 3.3V and 5V, and is packaged within a small footprint of 12.15 mm x 12.15 mm. The COACH IIs also incorporates a power-down mode in which power consumption can be reduced by as much as 95%. The compact size, lower operating voltage, and reduced power consumption of the COACH IIs makes it as the best solution for OEMs who have been looking for stability, reliability and performance of the touch components for the embedded and portable applications. The COACH IIs is also fully compatible with the Elo SmartSet protocol and all program drivers.

Features

- Single-chip ASIC design for compact integration
- RS-232 bi-directional communication, handshaking support, and on-board diagnostics ensure fast, secure data transfer and easy troubleshooting
- Communication can be configured for a wide range of baud rates
- On-board calibration, coordinate scaling, and programmable output rates allow for application-specific performance tuning
- User-configurable digital filtering
- On-board one-shot or continuous timer
- All settings storable in off-chip NVRAM
- CMOS chip for low power consumption
- 64-Pin LQFP package (12.15 mm x 12.15 mm x 1.6 mm)
- Operates at both 3.3V and 5V
- Power-down mode to reduce power consumption
- Temperature:
 - Operating: 0°C to 70°C
 - Storage: -65°C to 150°C
- Humidity: 95% RH, noncondensing
- Look up [product statement of compliance](#) by part number



Quick Links

- [Differences between COACH II and COACH IV](#) (143K PDF)

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