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# Hardware Design For Capacitive Touch Silicon Labs

**hardware design for capacitive touch - silicon labs** - hardware design for capacitive touch an0040 - application note introduction this application note covers the basics of hardware design for capacitive touch sensing with the efm32 microcontrollers. both simple touch buttons and more advanced sliders and touch matrices are described, along with key pointers of how **capacitive touch hardware design guide (rev. a)** - 1. this document, the capacitive touch hardware design guide 2. capacitive touch software library (capsenselibrary) 3. tuning guides: capacitive touch sensing, msp430™ button gate time optimization and tuning guide (slaa574) capacitive touch sensing, msp430™ slider and wheel tuning guide (slaa575) **capacitive touch hardware design and layout guidelines for ...** - capacitive touch hardware design and layout guidelines for synergy, rx200, and rx100 introduction the capacitive touch layout design guidelines details the operational design, pcb routing, and hardware component layout required to integrate the renesas synergy capacitive touch solution into an application project. **this pdf document hardware design for capacitive touch** - hardware design for capacitive touch an0040 - application note introduction this application note covers the basics of hardware design for capacitive touch sensing with the efm32 microcontrollers. both simple touch buttons and more advanced sliders and touch matrices are described, along with key pointers of how **an11623 lpc82x touch solution hardware design guide** - an11623 lpc82x touch solution hardware design guide rev. 1.0 — 22 december 2014 application note document information info content keywords capacitive touch, touchpad, sensor, electrode, drive/sensing lines, **techniques for robust touch sensing design** - based on the behavior of the capacitive sensor. the hardware design topics that will be covered are: 1. button and slider pad design and spacing 2. overlay material and thickness 3. adhesive layer recommendations 4. sensor trace layout and series resistance 5. layout techniques for esd protection 6. power supply grounding scenarios 7. **techniques for robust touch sensing design app. note** - based on the behavior of the capacitive sensor. the hardware design topics that will be covered are: 1. selecting a sensor size 2. determining the sensors' separation 3. covering material thickness 4. using ground planes to your advantage 5. designing the sensors' layout 6. selecting an adhesive 7. using series resistance on sensors 8. **at09363: ptc robustness design guide - microchip technology** - at09363: ptc robustness design guide application note introduction the capacitive touch interfaces are increasingly becoming popular in all electronics goods. to seamlessly integrate with wide variety of appliances the capacitive touch interfaces must exhibit robust operation. the peripheral touch controller (ptc) is a hardware module providing ...

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