

Microchip predstavil vývojovú dosku a mikrokontrolér PIC16F707. Ich spojením vzniká vývojový kit **mTouch Projected Capacitive Development Kit** (DM160211).

Určený pre prácu s technológiou mTouch™ - bezkontaktné kapacitné snímanie.



Obsah kitu

- Projected Capacitive Board, including a PIC16F707 fully functional firmware
- 12 x 9 Sensor Board
- Projected Capacitive 12 x 9 Touch Sensor, size 3.5"
- USB/Communication Cables

Vlastnosti DM160211

- Touch Screen Support: up to 3.5" diagonal, independent XY tracking for 2 touches in real time
- Number of Channels: dev kit channels 12 x 9, 108 nodes; software expandable to 24 channels & 144 nodes
- Response Time: <15 ms typical
- Report Rate: Single Point: 65 pps, Two Points: 55 pps
- Power Consumption: operating 1.5 mA typical, sleep 20 µA
- Resolution: 128 bar-to-bar, scaled to 1024 x 1024
- Package Size: 44-pin 8 x 8 mm QFN & TQFP
- Communication: UART to USB convertor on dev kit for easy connection to any PC
- Technology: Gesture Capable, Auto adjusts for environmental changes (baseline, calibrate, drift)

Vlastnosti PIC16F707

- Program Memory Type: Flash
- Program Memory (KB) : 14
- CPU Speed (MIPS): 5

- RAM Bytes: 368
- Digital Communication Peripherals: 1-A/E/USART, 1-SSP(SPI/I2C)
- Capture/Compare/PWM Peripherals: 2 CCP
- Timers: 3 x 8-bit, 1 x 16-bit
- ADC: 14 ch, 8-bit
- Temperature Range (C): -40 to 125
- Operating Voltage Range (V): 1.8 to 5.5
- Pin Count: 40
- XLP: Yes
- Cap Touch Channels: 32

Cena

PIC16F707 - začína od 2,31 USD pe kusové množstvá

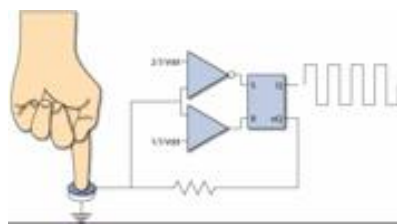
mTouch Projected Capacitive Development Kit (DM160211) je za 119,99 USD

Odkazy

[PIC16F707/PIC16LF707 Homepage](#)

[PIC16F707/PIC16LF707 Data Sheet](#)

[mTouch Projected Capacitive Touch-Screen Sensing Technology Product Overview](#)



[mTouch™ Sensing Solution User's Guide](#)

Distribúcia

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