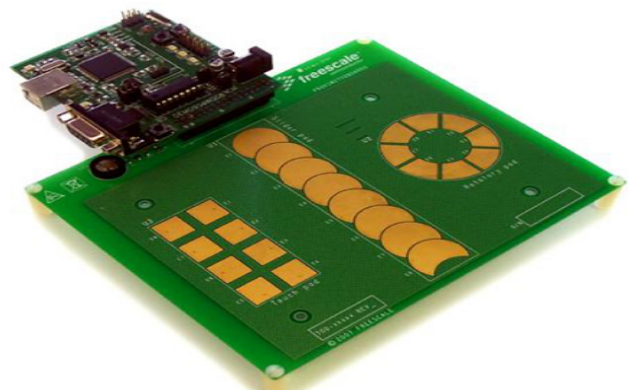**freescale** *semiconductor*

Freescale - KITPROXIMITYEVM - KITPROXIMITYEVM Development kit

Product Overview:

The KITPROXIMITYEVM is a full featured development kit containing a plug-in proximity sensor module allowing the evaluation of rotary, touch pad and slider proximity sensor technologies. All kits come standard with a DVD that includes an image of the Proximity Sensor Software and documentation to get your design up and running quickly and easily.

The KITPROXIMITYEVM does not ship with a MCU development kit. For more information on MCU development kits, please refer to the Freescale Development Tool Selector Guide (SG1011).

The KITPROXIMITYEVM does not ship with a MCU development board

Kit Contents:

The KITPROXIMITYEVM Evaluation Kit contains the hardware essentials you will need to use the Kit. The items in the Evaluation Kit and their use are as follows.

- KITPROXIMITYEVM Daughter board
- DVD containing all SW and Documentation required
- Set-up guide

Key Features:

- Fits a standard header (MCU port)
- Versatile touchpad designs

  - Rotary, Touch, Slider
  - Plug-in touchpad modules

- PC-Based GUI

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
KITPROXIMITYEVM	Freescale	1692727	26R2787

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
DEMOQE128	Freescale	MCF51QE128 Demonstration Board	1430732	47M1812

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
CY3235-PROXDET	Cypress	Cap Sense Proximity Detection Demonstration	CY8C21434	1631277	41M1244
AC103003	Microchip	PIC10F Capacitive Touch Board	PIC10F204/6	1718272	26R2377
STEVAL-IFS006V1	ST	Smart inductive proximity switch based on Ultra Lite 8-bit microcontroller + TDE1708	ST7LITEUS5	1694059	45P5439
KITMPR083EVM	Freescale	8-Position Rotary MPR083 Evaluation Board	MC68HC908 JB8JDW	1605431	69M3671
KITMPR084EVM	Freescale	8-Pad Touch MPR084 Evaluation Board	MC68HC908 JB8JDW	1605436	69M3672

Document List:

Application Notes:

File Name	Size
AN3516 E-field Keyboard Designs	213KB
AN3579 Enabling an MCU for Touch Sensing with Proximity Sensor software	670KB
AN3863 Designing Touch Sensing Electrodes Electrical Considerations and Recommended Layout Patterns	818KB

Others Resources:

File Name	Size
White Paper - New Possibilities for Freescale Proximity Touch Sensors	207KB
White Paper - Proximity Capacitive Sensor Technology for Touch Sensing Applications	493KB
SG1011 Software and Development Tools	1.40MB
Proximity Sensing Software Quick Reference User's Guide	1.42MB