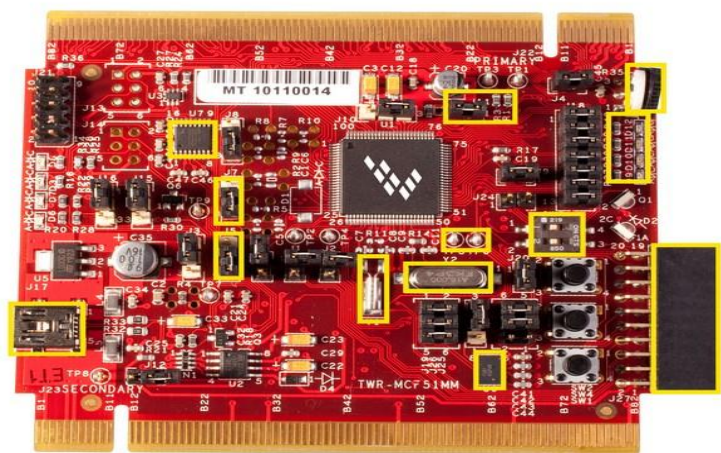**freescale**
semiconductor

Freescale - TWR_MCF51MM - TWR-MCF51MM-KIT

Development Kit

Product Overview:

The TWR-MCF51MM-KIT is a medical-oriented development tool for the MCF51MM256 microcontroller. This kit is part of the Freescale Tower System, a modular, reconfigurable development platform that allows designers to get to market faster with packaged evaluation boards, tools and runtime software. The kit includes the MED-EKG which is an electrocardiograph sensor for medical applications development. The MCF51MM microcontroller module is designed to be a standalone debug tool and can also be purchased separately from the kit, part number TWR-MCF51MM.

Kit Content:

- TWR-MCF51MM - 32-bit module that features the MCF51MM256
- TWR-SER - Serial module that features Ethernet, USB, RS232/485 and CAN
- TWR-ELEV - Two elevator boards that provide structural integrity, communications interfaces, power regulation circuitry with standardized bus
- Necessary cables
- MED-EKG - Electrocardiograph sensor to develop medical applications with Flexis MM Family
- An interactive DVD with lab tutorials, software, training and collateral
- A printed guide on how to quickly get started using the development kit

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
TWR-MCF51MM	Freescale	1812170	69R0536

Associated Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
MCF51MM256CLK	Freescale	MCU, 32BIT, 256K FLASH, 80LQFP	MCF51MM	1812182	74R4417
MMA7361LT	Freescale	Acceleration Sensor IC	Accelerometer	NA	11N7546
292304-2	Tyco	USB connector	USB B	1557590	21M8707

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
TWR-MCF51MM-KIT	Freescale	Medical-oriented development tool for the MCF51MM256 microcontroller	MCF51MM 256	NA	69R0537

Document List:

Datasheets:

Part Number	Description	Size
MCF51MM	MCF51MM256/128 Data Sheet	1485KB
MMA7361L	±1.5g, ±6g Three Axis Low-g Micro machined Accelerometer	204KB
292304-2	USB type D connector	-

Application Notes:

File Name	Size
AN3949 - ADC16 Calibration Procedure and Programmable Delay Block Synchronization	245KB
AN3827 - Differences Between Controller Continuum ADC Modules	154KB
AN3412 - Dynamic LCD Driver Using GPIO Pins	5349KB
AN4116 - Using the MM/JE Flexis Families for Infrared Communication	66KB
AN4115 - IrDA Driver and SD Card File System on the MM/JE Flexis Families	71KB

Hardware and Software:

File Name	Size
USBMULTILINKBDM: USB HCS08/HCS12 BDM Multilink - In-Circuit Debugger /Programmer	-
CW-MICROCONTROLLERS: CodeWarrior for Microcontrollers	-