freescale
semiconductor

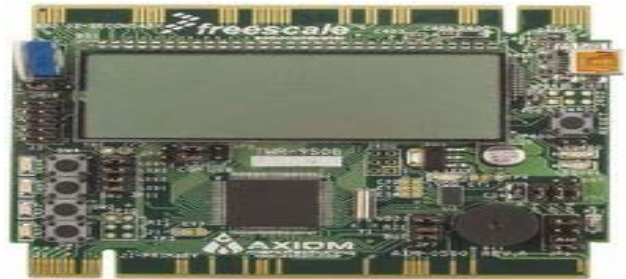# Freescale - TWR-S08LL64-KIT - Development Kit

Product Overview:

The cost effective TWR-S08LL64-KIT development tool is part of the Tower System and features the MC9S08LL64 segment LCD controller. It provides everything a designer needs to develop and evaluate application code. The integrated OSBDM allows a designer to communicate with the board and target device with only a USB cable and the board highlights the MCU's low power features.

Kit Contents:

- TWR-S08LL64 - 8-bit Segment LCD module that features the MC9S08LL64
- TWR-PROTO - Prototyping module with perfboard area
- TWR-ELEV - Two elevator boards that provide structural integrity, communications interfaces, power regulation circuitry with standardized bus
- Necessary cables
- An interactive DVD with lab tutorials, software, training and collateral
- A printed guide on how to quickly get started using the development kit

Key Features:

- 5 K One Turn Potentiometer
- RS232 port
- MC9S08LL64 MCU
- 32,768 Hz Crystal
- Freescale 3 axis accelerometer ADC input to MCU
- Buzzer
- Light Sensor with LP filter and opamp
- Mini-B USB connector
- 1 reset push button and 4 push switches
- 2 x 28 segments LCD display

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
TWR-S08LL64-KIT	Freescale	NA	51R8554

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
TWR-ELEV	Freescale	Tower System Elevator boards	1718352	11R0867
TWR-PROTO	Freescale	Tower System Blank Prototyping Board	NA	51R8552
TWR-S08LL64	Freescale	Tower System 32-bit MCF52 V2 MCU module board only	NA	51R8553

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
TWR-MCF51CN-KIT	Freescale	Tower System Kit w/ 32-bit V1 MCU board, serial and elevators boards	Tower Development System	1718354	11R0869
TWR-MCF5225X-KIT	Freescale	Tower System Kit w/ 8-bit S08 MCU board and LCD, prototype and elevators boards	S08LL64	1780462	51R8551

Document List:

Datasheets:

Part Number	Description	Size
MC9S08LL64	MC9S08LL64 Data Sheet: Technical Data	878

Application Notes:

File Name	Size
AN3796-LCD Driver Specification	286
AN3814-EEPROM Emulation Driver for MC9S08LG32	104
How to Handle Dual Flash Architecture in MC9S08LG32	206
Emulated EEPROM Implementation in Dual Flash Architecture and Demo Description on MC9S08LG32	213
Thermostat Reference Design Using the MC9S08LL16	812
Migrating from the MC9S08LL16 to MC9S08LL64 Microcontroller	474

Hardware & Software:

File Name	Size
TWR-S08LL64-KIT Base Board Schematic	600KB

Others Resources:

File Name	Size
Quick Start Guide for MC9S08LL6436 v3	826KB
Tower Configuration Tool	199KB