

FREESCALE Tower System Development Tools



RoHS Compliant This product is RoHS compliant.

FREESCALE TOWER SYSTEM - MODULAR DEVELOPMENT PLATFORM

Freescale's Tower System is a modular development platform designed to save you months of development time now and in the future through rapid prototyping and tool re-use. The Tower System consists of interchangeable and reusable modules along with open source design files make it easy to customize your design and reduce low level design giving you more time to focus on differentiated solutions.

The Tower System is a simple concept. Take basic hardware modules, connect them together and start designing. There are two types of hardware modules, MCU/MPU and peripheral, which plug into backplane "elevator" boards. Through the use of open software and a standardized form factor and signal list, Freescale can continually design new modules to meet your design requirements. New modules can be easily connected and used for future product development.

The elevator boards have high-density, high-performance but low-cost PCI Express card-edge connectors for up to four modular boards. In addition, the elevator boards provide:

- Common serial and expansion bus signals
- Standardized signal assignments
- Power regulation circuitry
- Two expansion connectors for outward facing cards, such as an LCD module

The MCU/MPU modules are designed to work standalone or as part of the Tower System and feature:

- Basic user interfaces (buttons, DIP switches, LEDs, potentiometers, etc.)
- Debug interface via new OSBDM
- Sensor or other useful demonstration circuitry
- Power and debug through a single USB connector

Peripheral modules are also being developed for serial connectors, memory options, graphical LCDs and others.

These modules and elevator boards combine to make a constantly evolving development system that will save you time and money.

MCF51CNx Development Kit and Module

| MOUSER STOCK NO. | Freescale Part No. | Fig. | Description | Price Each |
|-------------------------------------|--------------------|------|-----------------------|------------|
| Development Kit | | | | |
| 841-TWR-MCF51CN-KIT | TWR-MCF51CN-KIT | A | For MCF51CN128 MCU's | |
| Module | | | | |
| 841-TWR-MCF51CN | TWR-MCF51CN | - | MCF51CN128 MCU Module | |

MPC5125x Development Kit and Module



| MOUSER STOCK NO. | Freescale Part No. | Fig. | Description | Price Each |
|-------------------------------------|--------------------|------|---------------------|------------|
| Development Kit | | | | |
| 841-TWR-MPC5125-KIT | TWR-MPC5125-KIT | - | For MCF5125X MCU | |
| Module | | | | |
| 841-TWR-MPC5125 | TWR-MPC5125 | B | MCF5125X MCU Module | |

MCF5225x Development Kit and Module

| MOUSER STOCK NO. | Freescale Part No. | Fig. | Description | Price Each |
|--------------------------------------|--------------------|------|---------------------|------------|
| Development Kit | | | | |
| 841-TWR-MCF5225X-KIT | TWR-MCF5225X-KIT | - | For MCF5225X MCU's | |
| Module | | | | |
| 841-TWR-MCF5225X | TWR-MCF5225X | C | MCF5225X MCU Module | |

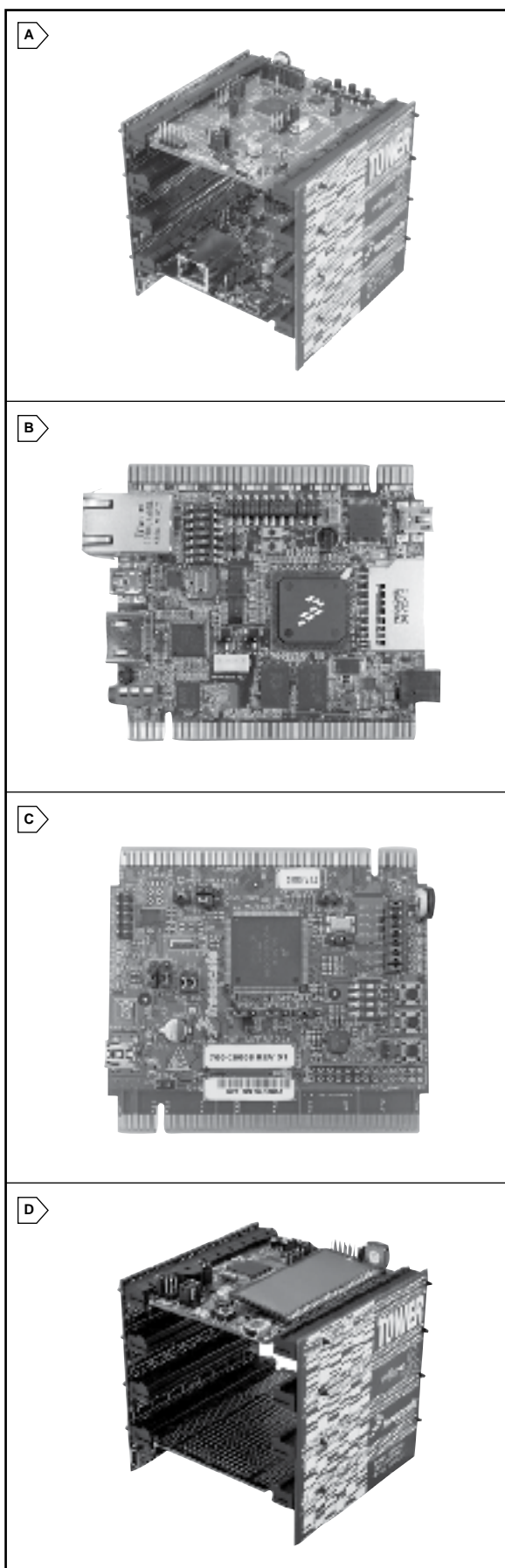
MC9S08LL64x Development Kit and Module

| MOUSER STOCK NO. | Freescale Part No. | Fig. | Description | Price Each |
|-------------------------------------|--------------------|------|-------------|------------|
| Development Kit | | | | |
| 841-TWR-S08LL64-KIT | TWR-S08LL64-KIT | D | For S08LL64 | |
| Module | | | | |
| 841-TWR-S08LL64 | TWR-S08LL64 | - | For S08LL64 | |

Peripheral Modules

Peripheral modules are also being developed for serial connectors, memory options, graphical LCDs and others. These modules and elevator boards combine to make a constantly evolving development system that will save you time and money.

| MOUSER STOCK NO. | Freescale Part No. | Description | Price Each |
|-------------------------------|--------------------|--------------------------------|------------|
| 841-TWR-SER | TWR-SER | Tower System Serial I/O Module | |
| 841-TWR-ELEV | TWR-ELEV | Tower System Elevator Module | |
| 841-TWR-PROTO | TWR-PROTO | Tower System Prototype Board | |



MCU / MPU / DSP

Freescale