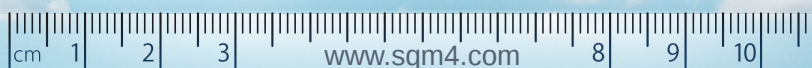
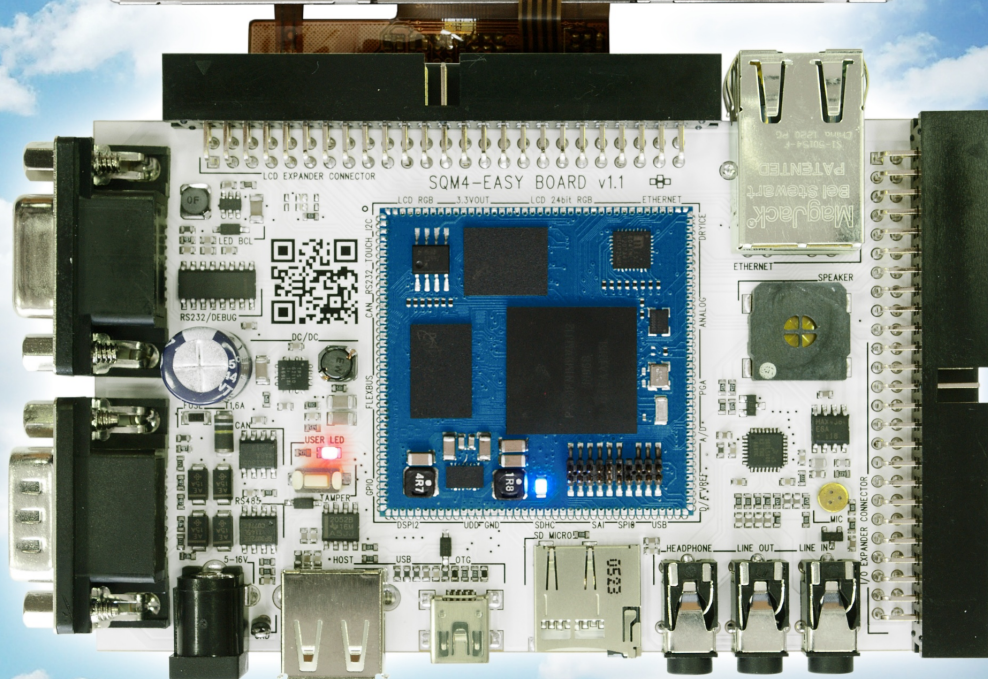


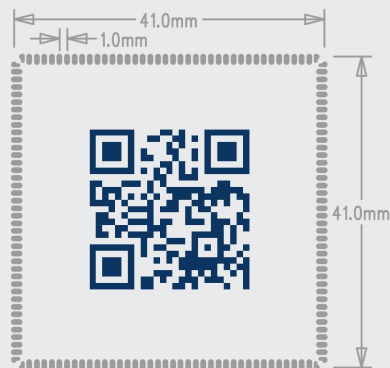
# SQM4 EasyBoard

- ☒ Kinetis K70
- ☐ Vybrid VF7
- ☐ other



# SQM4-K70

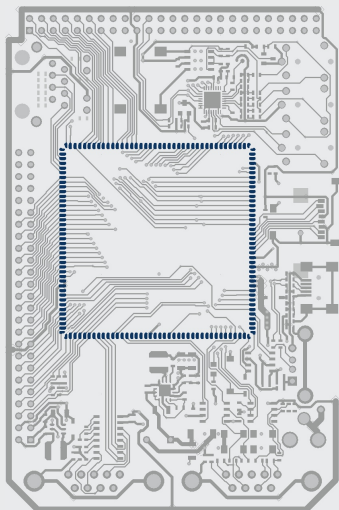
- ✓ Rapidly simplifies the motherboard, allowing easy two-layer only boards.
- ✓ Saves space, time and money!
- ✓ Highly configurable processor module:
  - MCU K70 120 MHz (new ARM Cortex M4)
  - 1 MB FLASH on chip
  - 1 Gb DDR2 (64 MB x 16)
  - 0 ÷ 8 Gb NAND 8/16 bit
  - Ethernet 10/100 Mb
  - 3.3 V ÷ 5.5 V input voltage
  - 3.3 V / 0.5 A output power
  - JTAG / JTRACE



PV 2012-622  
Priority 2012-09-11

- ✓ Manages both RTOS and graphics at the same time.
- ✓ Easy board placement and soldering - even manually.  
Solid **rim** connection provides high reliability under tough conditions.
- ✓ Easy unsoldering with QFP solder tool.
- ✓ Little space needed - only 16 cm<sup>2</sup>!

## EasyBoard



- ✓ Quick start development board.
- ✓ Demo application running under MQX RTOS, using Freescale eGUI graphics library.
- ✓ Implements the SQM4-K70 peripherals:
  - LCD 24 bit, touchscreen, replaceable
  - RS 232, RS 485, CAN
  - USB Host, USB Device / OTG
  - Ethernet
  - SD card reader
  - headphones, line in, line out
  - speaker, microphone
  - tamper, GPIO
  - JTAG, JTRACE
  - free pins expansion connector
  - battery backup, RTC
- ✓ 5 V ÷ 17 V input voltage.
- ✓ Two-layer board!