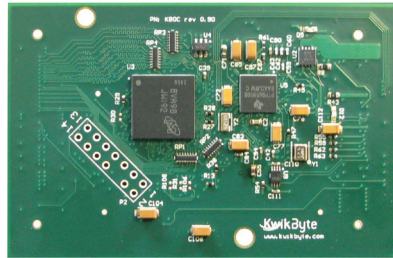


## KBOC OMAP35xx System Module

### Complete Production Solution

This ARM Cortex-A8 drop-in system module is an excellent choice for digital signage, portable media player, signal processing, robotics, and computationally intensive applications.



### The Right Components

The small footprint, low power requirements, graphics capability, and high-performance processing make the KBOC ideally suited for use in fanless, demanding applications. The processor can be selected to match the application: employing on-chip DSP and/or hardware graphics acceleration. The stacked memory packaging further reduces the module's footprint. Isolating the high-risk, high-cost components of the system to this clip minimizes total system cost and increases production yield. The stack connectors utilize pins with wide spacing to reduce the complexity of the base board.

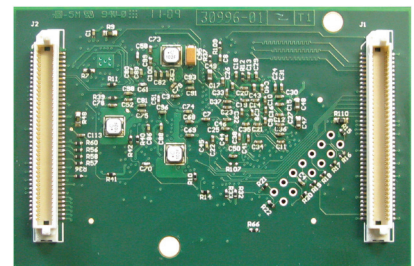
### Quick-Start Development

The KBOC development kit includes a system module and reference base board. The base board supports card-edge connectors for Ethernet, SD/MMC, display, and audio. Using a free GNU tool chain, the engineering team can begin development immediately. Applications can be developed on the target or remotely.

### Product Design Plan

The development kit is an excellent platform for prototype and proof-of-concept development. Custom base boards are available to support unique hardware requirements. KwikByte designs and manufactures quick-turn, custom base boards in any quantity.

Feature	Specification
Microcontroller	Texas Instruments OMAP35xx Dual-Issue, ARM Cortex-A8 @ 600MHz 64x+DSP @ 430MHz Peak MMACS 3440 64-Ch EDMA, 32-Bit Channel SDMA
Memory	128 MB DDR (configurable) 256 MB NAND (configurable)
MMC	2
USB	2.0 HS OTG
Serial channels	UART, SPI, McBSP, I2C
Audio	Line out, line in, mic in
Timers	12 32-Bit GP, 2 32-Bit WD
Display	Graphics accelerator Video display port TV out
Size	3.0" x 1.95" x 0.22"
Input voltage	5VDC



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