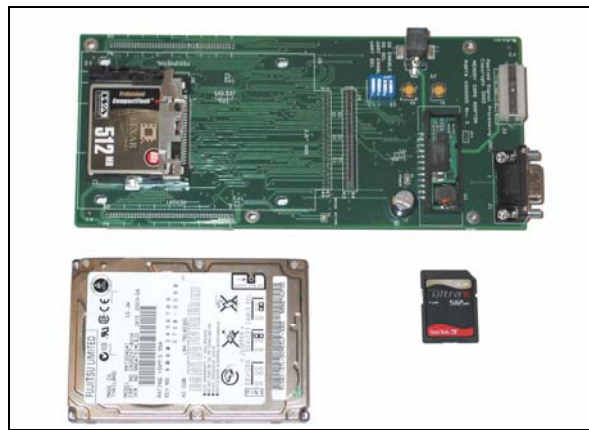


## MASS STORAGE DAUGHTER CARD

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Applied Signal Processing's **Mass Storage Daughter Card** for Texas Instruments TMS320C645x™, TMS320DM64x™, TMS320C64x™, TMS320C67x™ and TMS320C55x™ DSP Starter Kits (DSKs) and Evaluation Modules (EVMs) quickly adds Mass Media storage and retrieval capability to any DSP project. The daughter card can support a Secure Digital, Compact Flash or Hard Drive. With the Mass Storage Daughter Card and Applied Signal Processing's FAT32 compatible file system, developers can quickly expand the functionality of their DSP project to include file I/O capabilities. This Daughter Card is the ideal reference design for your applications that need features such as audio streaming, large amounts of data acquisition, or a flexible system reconfiguration option. Using the daughter card in conjunction with a DSK or EVM allows your application software development to move forward while your custom hardware is fabricated, shortening your product development cycle.



### FEATURES:

- Hard Drive, Compact Flash or Secure Digital versions available.
- Includes optional general purpose RS-232 serial port.
- 2 pushbutton switches available for user control.
- Built in DC-DC converters allows entire DSK design to run off of 12V battery
- Supports data rates up to 4Mbytes/sec for CF, 9Mbytes/sec for HDD, and 1Mbyte/sec for SD. (Suitable for 24Bit, 96KHz Stereo).
- Stackable design allows use with other daughter cards.
- Includes reference schematic for easy integration into any custom design.
- Supported Platforms: C645X, C64x, C67x, C55x DSKs; DM642 EVM.
- FAT32 compatible file system, device drivers and data streaming applications are also available for license.

### SPECIFICATIONS:

- Connections:
  - 2.5" HDD - 1 (44pin Female 2x22, 2mm pitch)
  - Compact Flash - 1 (50 pin male Ejector on left side)
  - SD/MMC - 1 (9 pin)
  - Power in - 1 (2.1 mm DC power Jack, Center hot)
  - Expansion Port - 1 (DB-9 Female, optional Software UART)
- Indicators:
  - LED - Green - Power.
  - LED - Red - Drive Active.
- Power Requirements:
  - 5VDC (+/- 10%), .6A (max), from DSK
  - Alternate Input: 9-30VDC, .5A (supplies power to DSK)
- Dimensions: 3.39" x 7.52"
- Environment: -40 to 85 C°; 0-95% RH (non condensing).

### ABOUT APPLIED SIGNAL PROCESSING, INC

Applied Signal Processing, located near Madison WI, provides custom engineered solutions, reference designs, and contract engineering services for Digital Signal Processing and Embedded Systems. We are specialists in Digital Signal Processing, Active Sound and Vibration Control, Acoustics, Audio, and Voice Signal Processing with our staff having authored over 20 patents in those areas. We are able to help our customers in all phases of the product lifecycle from concept to production and we specialize in quickly bringing ideas to the feasibility and prototype stage.

*Ideas Realized* ✧ *Concepts Demonstrated* ✧ *Solutions Delivered*

