

V.92/V.90 56Kbps Modem Module Design Application

MODEL: D40 AM5

The module is an integrated direct access arrangement (DAA) that provides a programmable line interface to meet global telephone line requirements. It eliminates the need for an AFE, an isolation transformer, relays, opto-isolators, and a 2-wire to 4-wire hybrid. It dramatically reduces the number of discrete components and cost required to achieve compliance with international regulatory requirements. MDC complies with MDC 1.5 specification.

Specifications

■ Data Mode Capabilities:

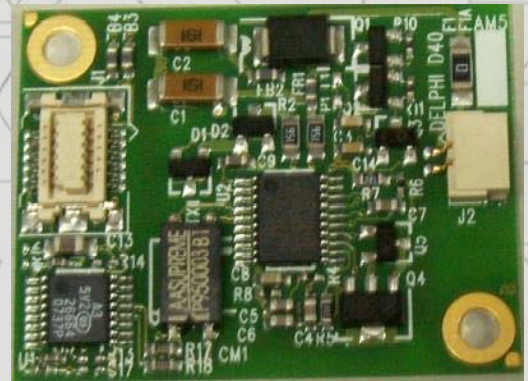
- ITU-T V.92: 56000bps ~ 28000bps
- ITU-T V.90: 56000bps ~ 28000bps
- ITU-T V.34: 33600bps ~ 2400bps
- V.32bis and fallbacks.
- V.44, V.42, V.42bis, and MNP Class 5 data compression

■ Fax Mode Capabilities:

- ITU-T T.31 class 1 FAX
- ITU-T V.17: 14400bps, 12000bps, 9600bps, 7200bps (TCM)
- ITU-T V.29: 9600bps, 7200bps (QAM)
- ITU-T V.27ter: 4800bps, 2400bps (DPSK)
- ITU-T V.21 Channel 2: 300bps (FSK)

Operating System Support

- Microsoft® Windows® 98, 2000, ME and XP, Windows® Server 2003, XP 64-bit Edition and Windows® Vista™.
- Microsoft "Designed for Windows" logo device requirement compliant.
- Motherboard MDC connector pin2 must support 1.5V or 3.3V signal level.



Feature

- AC'97 / HD Audio Soft Modem with automatic mode detection.
- AC'97 specification 2.3 compliant.
- HD Audio specification 1.0 compliant.
- Hardware support for pulse dialing.
- Wake on ring and caller ID support.
- Enhanced clock input buffer to be more tolerant to noise present on bit clock provided by system.
- Added software controlled disable capability. (to enable device, a power cycle is required)
- Supports 1.5V and 3.3V HDA bus signaling level
- Compliant AC 3KV Hi Pot (EN60950-1) (option)

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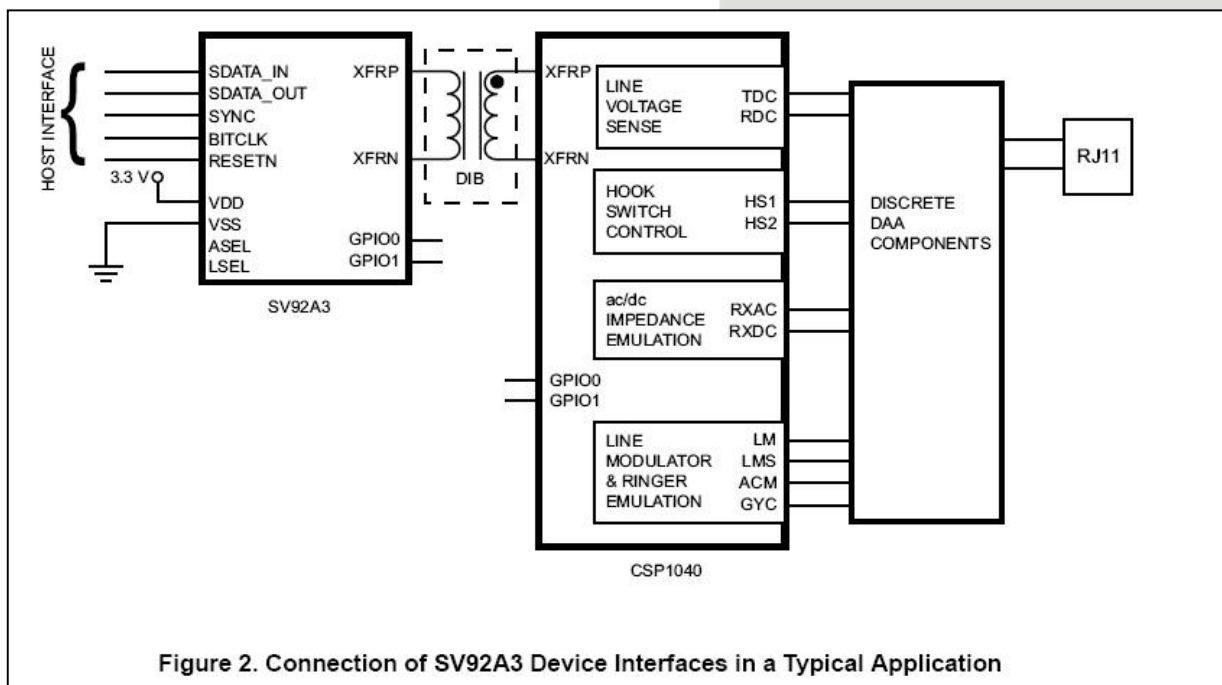
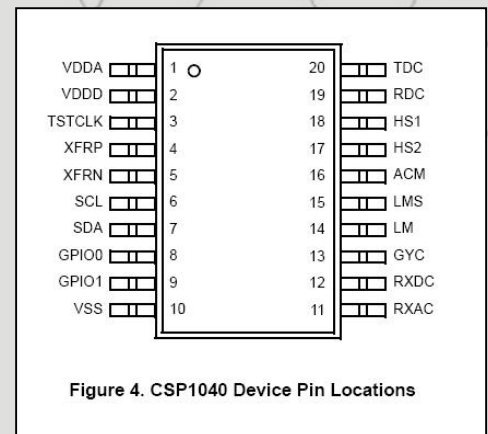
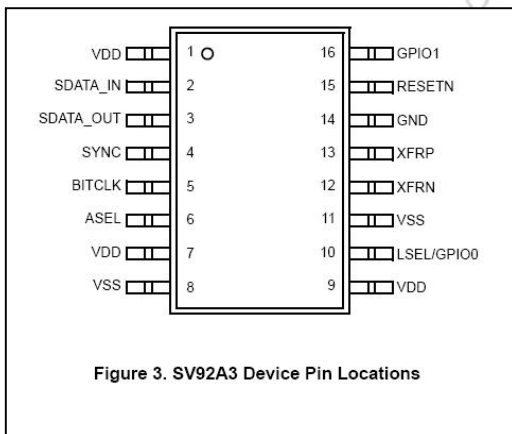
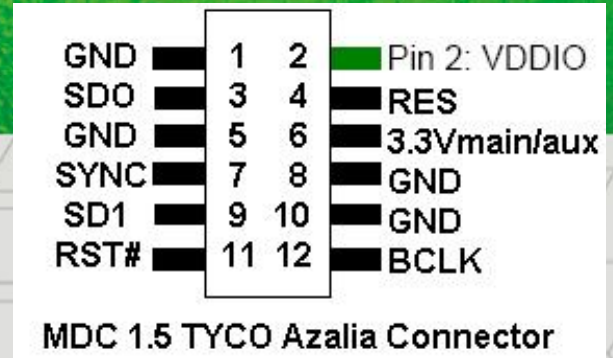
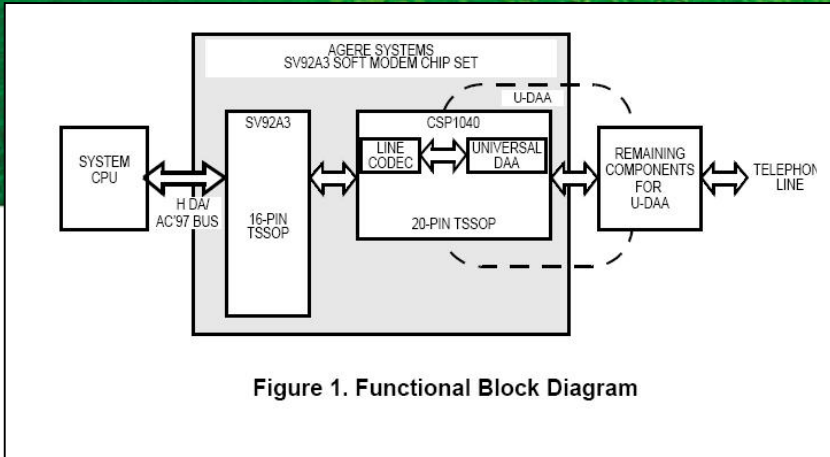
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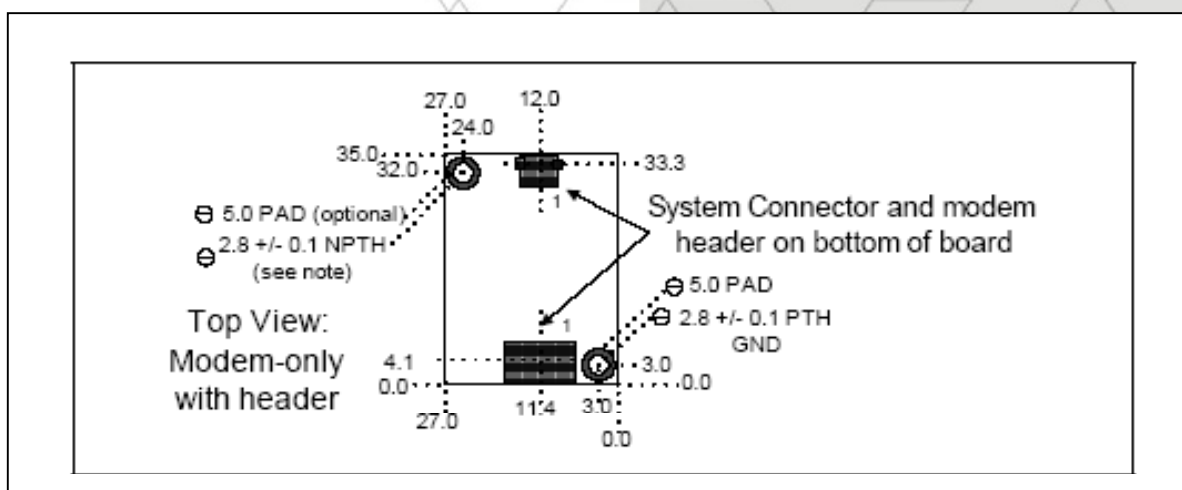
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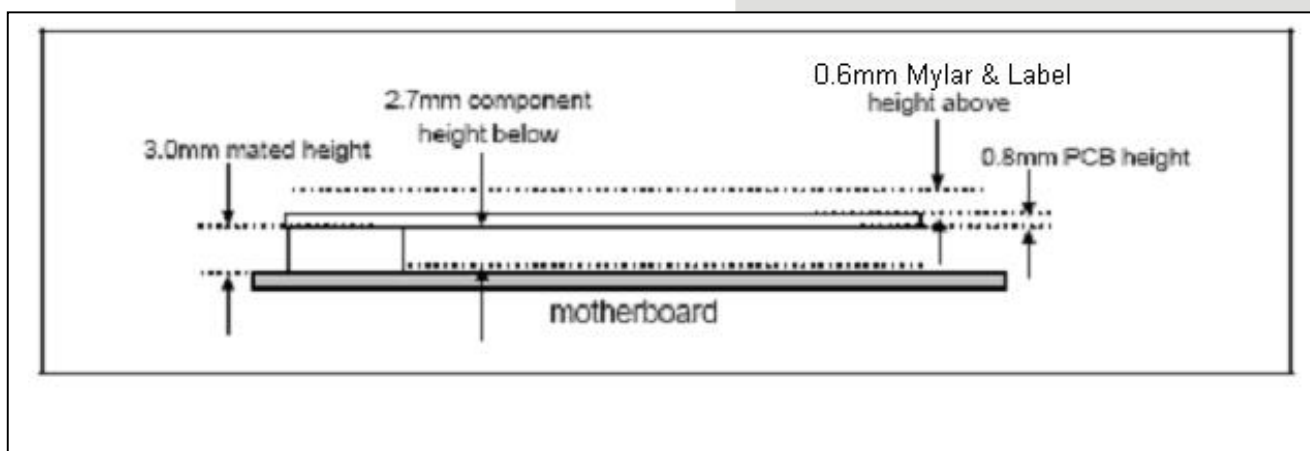
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Mechanical Dimensions



Component Height Restriction with Header (Side View)



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