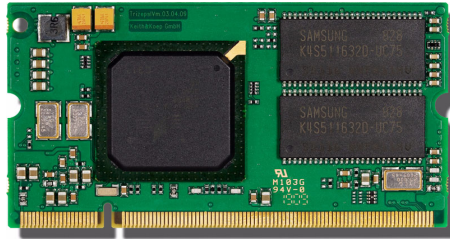


Trizeps-IV / Trizeps IV M

Change Notice



1.0 Introduction

Marvell discontinued the production of the PXA270, which was designed to be produced at the Intel production lines. For the migration to Marvell's TMSC facility, Marvell shrunk the silicon and named it PXA270-M (Marvell).

As the first samples had issues on the USB interface, Keith & Koep decided to fix those issues with a new Trizeps-IV design. The latest silicon fixed the incompatibilities, so that the planned HW-patches are not activated with the shipped modules. As there was a reason for a new design, Keith & Koep reworked some mechanical issues.

2.0 Differences between Trizeps-IV and Trizeps-IV M

- new mounting hole
- more clearance around mounting clips
- footprint for SanDisk DiskOnChip changed to accept H3-series (obsolete)
- discontinue manufacturing options for discontinued flash parts (J series, P30 series)
- users may experience lightly different impedances bus and display signals. Marvell cannot guarantee true 1:1 impedance. Users who changed bus strength registers should verify impedance behaviour.
- processor ID has changed
- Windows CE Images built with BSP form 3rd Quarter 2009 might be incompatible with USB as Keith & Koep reworked the USB driver to be compatible for the interim Silicon, which had a USB issue. Note that this Silicon has never been shipped to customers. OS-Images built with BSPs earlier Q3/2009 or with the Service Release Q3/2009 and later shall work on Trizeps-IV and Trizeps-IV M without problems.

3.0 Dimensions of the Trizeps-IV-M Module

Figure 1. Dimensions of the Trizeps-IV-M Module (top view)

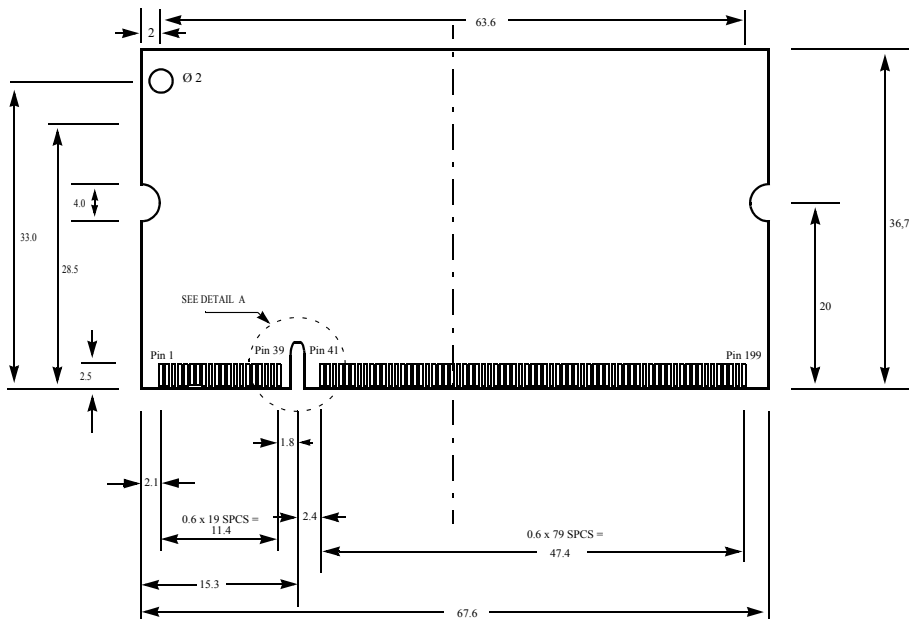


Figure 2. Detail A of Figure 3

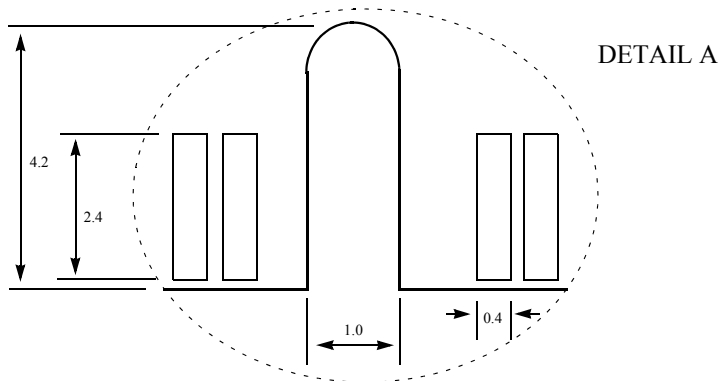
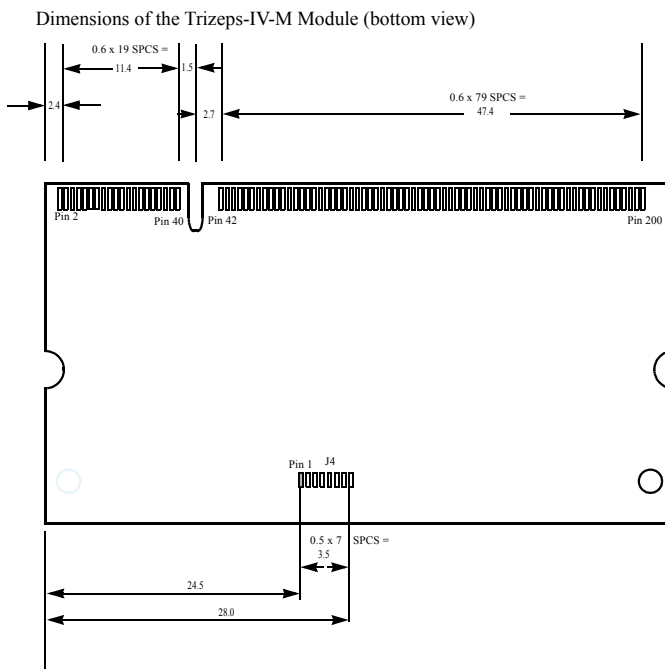


Figure 3.



The Maximum height is 4.0 mm above the top side and 2.0 mm below the bottom side.

4.0 Revision

Board: Trizeps-IV-M

Revision	PCB number	Date	Changes
1.1		03.05.2010	based on Version 1.3.1 of Trizeps-IV datasheet

5.0 Disclaimer

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