
AM35x VCA PCB Layout

ARM MPU Applications

ABSTRACT

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http://processors.wiki.ti.com/index.php/AM35x_VCA_PCB_layout.

The ZCN package is designed with a new technology called Via Channel™ Array (VCA). This technology allows Ball Grid Array (BGA) devices with 0.65mm ball pitch to be easily routed on a printed circuit board (PCB) with two signal and two power layers using a standard via with 20 mil diameter pads and 10 mil finished hole that is cost and time effective. This wiki article shows how to easily route the entire device by first routing one quadrant and then copying it to the other three quadrants. The Allegro® layout tool was used to generate this article, but other PCB layout tools could be used in a similar way.

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