



**Chip Errata**  
**DICE JR/Mini**  
**Mask: 0806**

Revision : 1.01  
Date : 29-Jul-10

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Errata Number	Errata description	Applies to mask
<b>E1</b>	<p>The <b>SPI</b> interface the TxDone interrupt can not be unmasked. The TxDone status bit will still indicate the 'done' status but it can not generate an interrupt.</p> <p>The firmware works around this problem by using the other interrupt sources.</p>	0806
<b>E2</b>	<p>The <b>ADAT</b> interface will not be able to be used as master for the JET PLL when the JET PLL is running on the clock doubler clock.</p> <p>The workaround is to run the JET PLL off the same clock as the ARM and DICE system. This is the default setting in firmware and this does provide the optimal jitter performance as well.</p>	0806
<b>E3</b>	<p>The <b>Peak</b> detector in the <b>Router</b> module will sometimes report a non existing peak of 0x202 if the peak register is read with interrupts enabled. This is a result of a conflict with another APB read.</p> <p>There are two workarounds for this problem:</p> <ol style="list-style-type: none"> <li>1) Disable interrupts while reading peak values</li> <li>2) Disregard the value 0x202 from peaks.</li> </ol>	0806
<b>E4</b>	<p><b>AVS Rx</b> Stuck state. In rare occasions the receiver will not be able to lock to an incoming 1394 stream. The firmware contains a daemon which makes the system recover automatically from this situation.</p>	0806
<b>E5</b>	<p><b>AVS Tx</b> Stuck state. If one of the AVS receivers is turned off in the middle of receiving a packet the arbiter will prevent the AVS Tx from getting access to the bus until the next AVS packet is received. If no more packets are being received this deadlock will persist.</p> <p>A daemon has been implemented to resolve this problem in firmware.</p>	0806
<b>E6</b>	<p>The GPIO7 port is not controlled by the GPIO7 direction bit but by the GPIO6 direction bit. This does not affect the secondary function of the pin, only the GPIO functionality. In reality this means that if both GPIO6 and GPIO7 are used they must have same direction, i.e. both inputs or both outputs.</p>	0806
<b>E7</b>	<p>The hardware mixer does not produce the correct results at 176.4kHz and 192kHz sample rates. Every second sample is wrong. Please see: tc22x0MixerBug.pdf for a full description and for workarounds.</p>	0806