



# DLP® Products *Technical Advisory*

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April 2009

**TA Title:**

**Pico Kit Custom Mini-HDMI Connector**

**Reference Documents:**

- 251xxxx CCA Pico Kit (Pico DVI board Circuit Card Assembly)
- 251xxxx ESD - Schematic – Pico Kit
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**Kit and Circuit Card assemblies affected**

- 251xxxx CCA Pico Kit (Pico Kit DVI Board Circuit Card Assembly)

**Technical Advisory Description:**

The Input to the Pico module is through the HDMI interface. An HDMI to mini-HDMI cable is provided in the Pico kit. This is a custom cable and its pin-out does not match a standard HDMI to mini-HDMI cable.

One side of the HDMI to mini-HDMI cable mates with the mini-HDMI connector on the Pico module. This connector has the compact type C form factor, but carries the Type-A pin-out.



**Figure 1: Pico Kit HDMI to MINI-HDMI cable**

Figure 2 shows the custom mini-HDMI connector that is housed in the Pico module, physically a Type-C (mini) connector with a Type-A pin assignment.

<b>MINI-HDMI Connector (Type-A Pin-out)</b>	<b>1</b>	<b>TMDS_DATA2+</b>
	<b>2</b>	<b>TMDS_DATA2S</b>
	<b>3</b>	<b>TMDS_DATA2-</b>
	<b>4</b>	<b>TMDS_DATA1+</b>
	<b>5</b>	<b>TMDS_DATA1S</b>
	<b>6</b>	<b>TMDS_DATA1-</b>
	<b>7</b>	<b>TMDS_DATA0+</b>
	<b>8</b>	<b>TMDS_DATA0S</b>
	<b>9</b>	<b>TMDS_DATA0-</b>
	<b>10</b>	<b>TMDS_CLOCK+</b>
	<b>11</b>	<b>TMDS_CLOCKS</b>
	<b>12</b>	<b>TMDS_CLOCK-</b>
	<b>13</b>	<b>CEC</b>
	<b>14</b>	<b>RESERVED</b>
	<b>15</b>	<b>SCL</b>
	<b>16</b>	<b>SDA</b>
	<b>17</b>	<b>CEC GND</b>
	<b>18</b>	<b>+5V POWER</b>
	<b>19</b>	<b>HOT PLUG</b>

**Figure 2: Custom Mini-HDMI connector**

**TI Actions:**

1. None

**Possible Customer Actions:**

1. Use the HDMI cable that is provided with the Pico kit. Do not use any other standard HDMI cable to interface to the Pico module.