



# DLP® Products *Technical Advisory*

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May 2009

**TA Title:** Pico Kit Custom Mini-HDMI Connector

**Reference Documents:**

- DLP® Pico MAIN-B SCHEMATIC, TI DN 2510510
- DLP® Pico DVI-B SCHEMATIC, TI DN 2510511
- DLP® Pico DMD-B SCHEMATIC, TI DN 2510512
- DLP® Pico Kit Functional Guide, TI DN 2510476

**Kit and Circuit Card assemblies affected**

See TI document - DLP® Pico DVI-B SCHEMATIC, TI DN 2510511  
(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. Using a standard cable in the place of the cable provided with the kit can cause **permanent damage** to the Pico Projector Development Kit.



Mini-HDMI (Type-C)  
- Connects to the  
Pico



HDMI- Connects  
to the Beagle  
board

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.

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

Figure 2: Custom Mini-HDMI connector

**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.