JTAG Isolation Adapter for TMS320 & TMS470 Devices from Texas Instruments

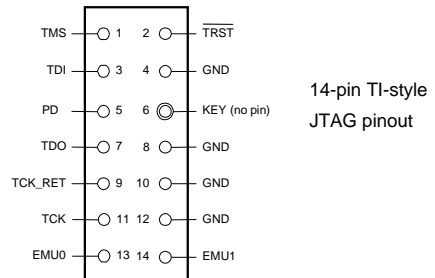TI Third Party Network Member

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ADA-ISO-TI14 is a full isolation JTAG probe for JTAGjet emulators which reduces the chance of damage to the emulator associated with ground loops, voltage spikes, electrostatic discharge (ESD) and noise on power and ground lines generated by high-current motors and other machinery.

The probe fits between the JTAGjet emulator and the user's target board equipped with the Texas Instruments style 14-pin JTAG connector.
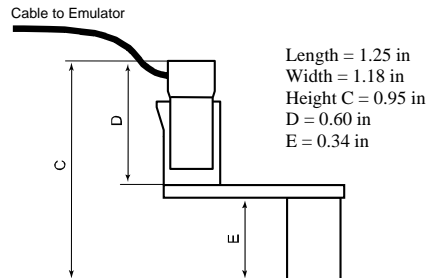
Features:

- ❑ Supports all TMS320C2000, C5000, C6000, OMAP, DM and TMS470 devices
- ❑ Operating JTAG voltage from 3V to 5V
- ❑ Galvanic isolation up to 4000 V (peak)
- ❑ 50kV/µs transient immunity (typical)
- ❑ ESD protection of 8kV on contact and 15kV air discharge
- ❑ Withstands over 1000 ESD strikes on each JTAG line
- ❑ Maximum JTAG clock rate up to 15MHz

TMS	○ 1	2 ○	$\overline{TRST}$
TDI	○ 3	4 ○	GND
PD	○ 5	6 ◎	KEY (no pin)
TDO	○ 7	8 ○	GND
TCK_RET	○ 9	10 ○	GND
TCK	○ 11	12 ○	GND
EMU0	○ 13	14	EMU1

14-pin TI-style JTAG pinout

Cable to Emulator

Length = 1.25 in
Width = 1.18 in
Height C = 0.95 in
D = 0.60 in
E = 0.34 in

Ordering Information

Part Number	Description
ADA-ISO-TI14	JTAG isolation probe for TMS320 devices, 14-pin.

SIGNUM SYSTEMS

SIGNUM SYSTEMS CORP.
1211 Flynn Rd, #104, Camarillo, CA 93012
Phone: (805) 383-2682
Fax: (805) 383-2685

Toll Free: (800) 838- 8012
Email: sales@signum.com
Web: www.signum.com
e-Store: www.signum.com