



[Tag-Connect - Home](#)

[TC2050-IDC-430](#)

[TC2050-IDC-NL-430](#)

[Home -> New Tag Connect Products -> TC2050-IDC-NL-430](#)

[Tag-Connect Explained](#)

[Which Tag-Connect?](#)

[NEW Tag-Connect Products](#)

[Technical and User Information](#)

[Downloads](#)

[Latest News](#)

[The Developers](#)

[Buying Tag-Connect](#)

[Links](#)

[Contact us](#)

FREE TAG-CONNECT OFFER!



TC2050-IDC-NL-430

Tag-Connect's TC2050-IDC-430-NL cable is a special version of the TC2050-IDC-NL Plug-of-Nails™ cable designed to be plugged directly into TI's MSP-FET430 and is compatible with all MSP430 MCU's. The cable is fitted with a spring-pin Tag-Connector that conveniently plugs directly into your PCB and terminates in a 14-pin 0.1" ribbon connector that plugs directly into the FET430.

The cable is fitted with a spring-pin Tag-Connector.

Plugs straight to your PCB - No mating connector or header required!

Requires only a tiny 0.03 square inch footprint of pads and locating holes in your PCB.

Footprint MUCH smaller than the standard 14-pin ribbon header.

Zero Cost Per Board!

High-Reliability Spring-Pins make a Secure Connection and are rated for over 100,000 operations.

Footprint has no height and reduces the size and space requirements of your PCB.

Can be retained in place using a TC2050-CLIP board.



Tag-Connect cables provide a simple, reliable means of connecting Debuggers and Programmers or other test equipment to your PCB's while lowering board costs and facilitating efficient production programming.

Tag-Connect uses a specially designed (Patent Pending) connector which eliminates the need for putting a programming header or other mating connector on every PCB. Instead, Tag-Connect uses tried and tested spring-pins rated for over 100,000 operations to make a secure connection to a special footprint pattern of pads and locating holes in your PCB.

The legged "No Legs" footprint takes about the same board space as a couple of SMT resistors which means you can locate the footprint right next to the MCU if desired. If required, use the TC2050-CLIP board to secure the TC2050-IDC-430-NL connector to the PCB.

The "No Legs" Tag-Connector is also compatible with the "Legged" footprint, meaning you can conveniently debug with the self-retaining TC2050-IDC-430 and use TC2050-IDC-430 for a quick hand-held programming operation as may be typical during production.

This 10-conductor cable has a TC2050 Tag-Connector on one end and a standard 14-pin ribbon connector on the other and is wired specifically for the TI MSP-FET430 debugger (and compatible MSP430 debuggers). It is compatible with all MSP430 MCU's.

If your MSP430 device supports SPY-BI-WIRE, also take a look at the SPY-BI-TAG adaptor with the even smaller footprint (0.02 square inches) TC2030-MCP-NL 6-pin cables. This is the perfect solution where board space is premium!

For full specifications, please download the [TC2050-IDC-NL-430 Datasheet \(pdf\)](#)

Also available in self-retaining "legged" version (TC2050-IDC-430). [See TC2050-IDC-430](#)

