
Wichtiger Hinweis zur Pin-Nummerierung

Die folgenden Seiten sind die Zeichnung des Standardartikels TC2030-CTX-NL.

Beim TC2030-CTX-NL-LEMTA sitzt der Stecker bauartbedingt um 180 Grad gedreht auf dem Kabel. Die Pin-Nummern auf den folgenden Seiten sind deshalb KEINE Referenz für diesen Artikel – sie sind gegenüber dem tatsächlichen Aufbau verdreht.

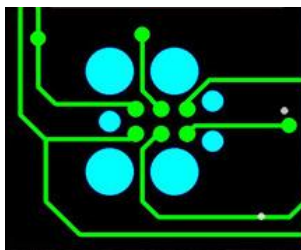
Verwenden Sie sie nicht, um ein Kontaktbild zu zeichnen oder eine Belegung zu prüfen. Wenn Sie die Belegung für Ihren Aufbau brauchen, fragen Sie uns – wir klären das für Sie.

Important note on pin numbering

The following pages are the drawing of the standard article TC2030-CTX-NL.

On the TC2030-CTX-NL-LEMTA the connector is fitted rotated by 180 degrees on the cable. The pin numbers on the following pages are therefore NOT a reference for this article – they are reversed with respect to the actual assembly.

Do not use them to draw a footprint or to verify a pinout. If you need the pinout for your assembly, ask us – we will sort it out with you.



Tag-Connect



TC2030-CTX Plug-of-Nails™ Cable

ARM Cortex 10-pin Cable with 6-Pin TC2030 Plug-of-Nails™ Connector.

Tag-Connect Plug-of-Nails™
TC2030-NL



0.02 Sq Inch



0.06 Sq Inch

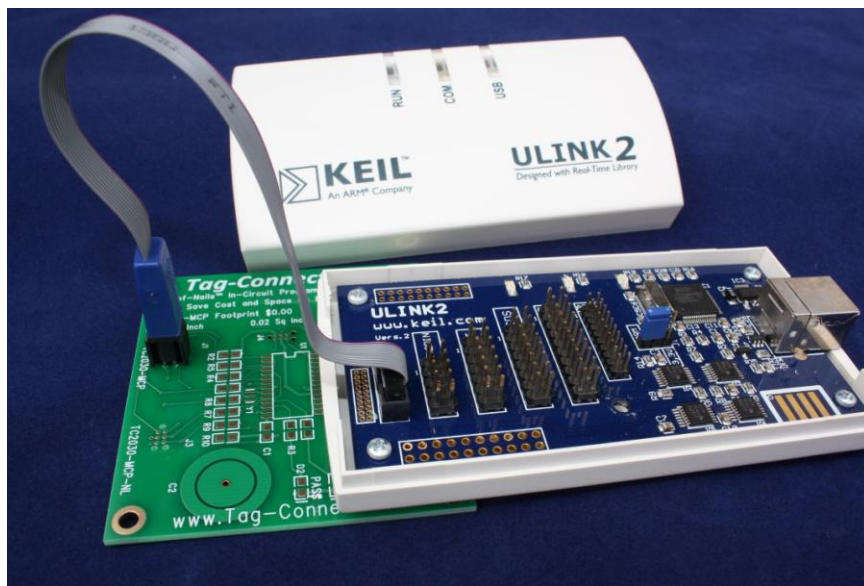
Cortex SWD

FTSH-105 micro header

Footprint Space

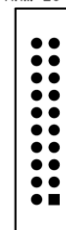
Comparison

66% Space Saving



(Illustration only – ULINK2 not included!)

ARM 20-Pin



TC2030

ARM 20-Pin vs

TC2030

84% Space

Saving

Tag-Connect - Save Cost and Space on Every Board!

The TC2050-CTX and TC2030-CTL-NL are Plug-of-Nails™ Spring-Pin cables intended for ARM CORTEX SWD (Single Wire Debug) applications. Our patented Plug-of-Nails™ connectors plug directly to a tiny footprint of pads and locating holes in your PCB saving you cost and PCB space. The cable's ribbon connector plugs into the standard FTSH-105 style 10-pin Cortex Debug Connector as found in KEIL's ULINK2 and other CORTEX compatible debuggers.

Connections:

10-Pin Cortex Debug Connector		6-Pin TC2030 Footprint
1 VCC	2 SWDIO / TMS	1 VCC
3 GND	4 SWCLK / TCK	2 SWDIO / TMS
5 GND	6 SWO / TDO	3 nRESET
7 NC / RTCK	8 NC / TDI	4 SWCLK / TCK
9 GNDDetect	10 nRESET	5 GND (also connected to GNDDetect)
		6 SWO / TDO

Notes

Please refer to TC2030-IDC or TC2030-IDC-NL datasheets for details of the TC2030 footprints. See also our TC2050-ARM2010 20-pin ARM adapter for use with our TC2050-IDC series cables.

Visit www.Tag-Connect.com for technical support and product info.

TC2050-IDC Plug-of-Nails™ Connectors are protected by U.S. Patent Nos. 7,878,834 & 8,057,248. International Patent Pending