

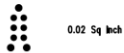
Tag-Connect



ARM-CTX (20-pin ARM to TC2030) Adapter for SWD

ARM 20-pin to 6-pin TC2030-IDC Plug-of-Nails™ Adapter for ARM Cortex.

Tag-Connect Plug-of-Nails™
TC2030-NL



0.02 Sq Inch

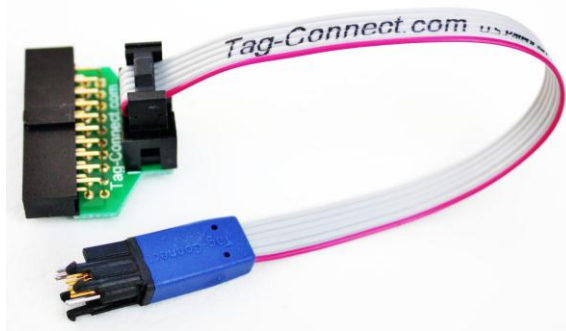


0.06 Sq Inch

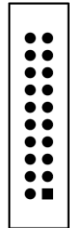
Cortex SWD
FTSH-105 micro header

Footprint Space
Comparison

66% Space Saving



ARM 20-Pin



TC2030

20-Pin vs

TC2030

84% Saving

(Pictures for illustrational use only - TC2030-IDC Cable and Segger's J-Link Debugger not included!)

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

The ARM20-CTX adapter board allows a Tag-Connect TC2030-IDC or TC2030-IDC-NL Plug-of-Nails™ cable to be used 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 space on every board!

Connections:

ARM 20-Pin Connector		6-Pin TC2030 Footprint
1 VCC	2 NC	1 VCC
3 nTRST	4 GND	2 SWDIO / TMS
5 TDI	6 GND	3 nRESET
7 SWDIO / TMS	8 GND	4 SWCLK / TCK
9 SWCLK / TCLK	10 GND	5 GND
11 RTCK	12 GND	6 SWO / TDO
13 SWO / TDO	14 GND	
15 nRESET	16 GND	
17 NC	18 GND	
19 NC	20 GND	

Notes

Please refer to **TC2030-IDC** or **TC2030-IDC-NL** datasheets for details of the TC2030 footprints. See also the **TC2030-CTX** 10-pin Cortex to TC2030 cables. For traditional ARM JTAG see the **TC2050-ARM2010** 20-pin ARM adapter

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