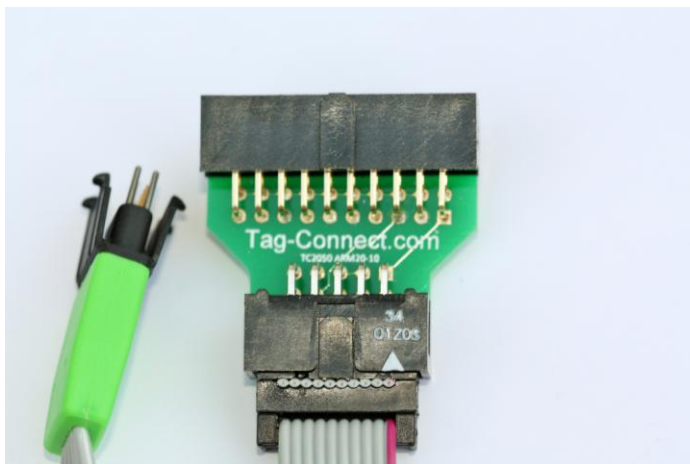


Tag-Connect



TC2050-ARM2010 ARM 20-pin to TC2050 Adapter

ARM 20-pin to ARM 10-pin JTAG or ARM SWD using TC2050 Cables Plug-of-Nails™ Cables.



*(Pictures for illustrational use only - TC2050-IDC Cable and Segger's J-Link Debugger not included!
J-Link is a product of Segger Microcontroller GmbH & Co. KG with whom Tag-Connect has no association)*

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

The TC2050-ARM2010 is a Tag-Connect adapter board allowing our TC2050-IDC cables to be used for ARM JTAG and ARM SWD (Single Wire Debug) applications. Although intended for use with our patented TC2050-IDC Plug-of-Nails™ Cables, the adapter may be useful to people wishing to use 10-pin 0.1" ribbon headers on their PCB.

Connections:

ARM 20-pin Connector		10-Pin / TC2050 Footprint (JTAG Mode)	10-Pin / TC2050 Footprint (SWD Mode)
1 VCC	2 NC	1 VCC	1 VCC
3 nTRST	4 GND	2 TMS	2 SWDIO
5 TDI	6 GND	3 GND	3 GND
7 SWDIO/TMS	8 GND	4 TCK	4 SWCLK
9 SWCLK/TCLK	10 GND	5 GND	5 GND
11 RTCK	12 GND	6 TDO	6 SWO
13 SWO/TDO	14 GND	7 (Not used)	7 RTCLK
15 RESET	16 GND	8 TDI	8 (Not used)
17 NC	18 GND	9 (Not used)	9 * nTRST if R1 fitted
19 NC	20 GND	10 RESET	10 RESET

* Pin 9 of ARM 10-pin JTAG and SWD is traditionally GND. To optionally supply the nTRST signal to this pin solder a zero-Ohm 0805 SMT resistor (or jumper wire) on the back of the adaptor board. This allows access to all of the active signals traditionally supplied on the 20-pin header.

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

TC2050-IDC Plug-of-Nails™ Connectors are protected by U.S. Patent No. 7,878,834. International Patent Pending