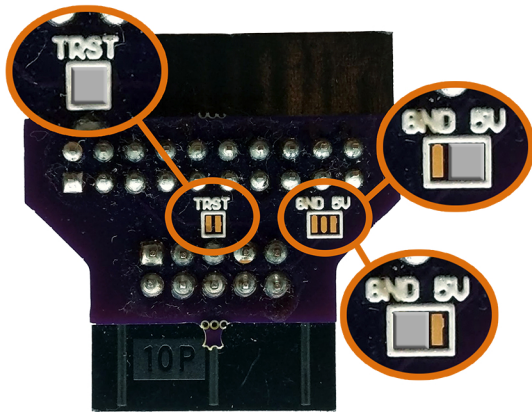# SOUTH COTTAGE INDUSTRIES, LLC

ARM 20-PIN TO TC2050 ADAPTER
ARM 20-PIN TO ARM 10-PIN JTAG OR ARM SWD

Reduce cost and space on your PCB!

PIN Layouts

**Solder nTRST on pin 9
* Solder +5 Debug on Pin 5
Pin 5 bridge to GND improves signal

ARM 20-pin 0.1"		TC2050 10-pin (JTAG Mode)	TC2050 10-pin (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/+5V*	5 GND/+5V*
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**
19 NC/+5V	20 GND	10 RESET	10 RESET

*Pin 5 can be used to supply power from debuggers. Simply solder the two pads as shown or select GND for signal integrity when power is not needed. Some debuggers need/supply +3.3V instead of +5V.

** Pin 9 can supply nTRST if required. Solder the TRST bridge if needed.