

Intan Technologies RHD2000 SPI Cable Adapter

This SPI cable adapter can be used to interface new hardware under development to Intan RHD2000 amplifier boards or to the Intan USB interface board.

Note that the 'T' and 'B' pin names refer to the top and bottom row of pins **on the connector attached to the adapter board**. Due to the daisy chaining ability of these connectors, signals will alternate between 'top' and 'bottom' depending on how the adapter is connected to the system. The following table provides a quick reference to these signal locations.

SPI adapter pin number	Signal with cable adapter plugged into amplifier board	Signal with cable adapter plugged into USB interface board
B1	$\overline{\text{CS}}+$	$\overline{\text{CS}}-$
T1	$\overline{\text{CS}}-$	$\overline{\text{CS}}+$
B2	SCLK+	SCLK-
T2	SCLK-	SCLK+
B3	MOSI+	MOSI-
T3	MOSI-	MOSI+
B4	MISO1+	MISO1-
T4	MISO1-	MISO1+
B5	MISO2+	MISO2-
T5	MISO2-	MISO2+
B6	Power (3.3V)	Ground
T6	Ground	Power (3.3V)