

HOW TO USE TWO DATA TRANSLATION BOARDS

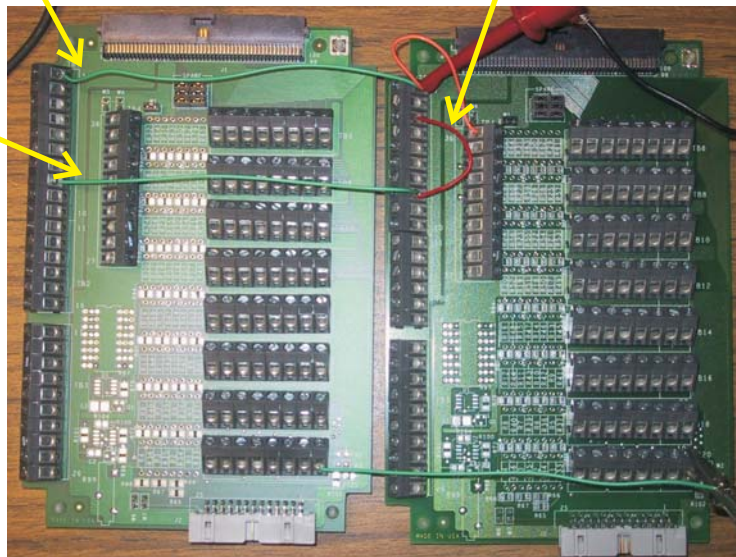
(this allows for BCI2000 systems with up to 128 channels)

- 👉 Buy two DT3003 boards and two DT730 patch panels
- 👉 Make the 3 required connections as depicted below
- 👉 In BCI2000, set *BoardName* to the name of board 1, *BoardName2* to the name of board 2, *SoftwareCh* to the total # channels to be acquired, *SoftwareChBoard1* to the # channels to be acquired from board 1, and *SoftwareChBoard2* to the # channels to be acquired from board 2
(*SoftwareChBoard1*+*SoftwareChBoard2* has to equal *SoftwareCh*; *SoftwareChBoard2* has to be smaller than *SoftwareChBoard1*)

connect pins 1 on boards 1+2
we want to use the same digital ground

connect pins 8 on
boards 1+2
we want to use the same
A/D sample clock

connect pin 3 (User Counter Out) to
pin 8 (External A/D Sample Clock In)
we create a pulse train on the user counter on board 1
and use it as an A/D sample clock



DT730 Patch Panel
connected to
BOARD 2 (SLAVE)

DT730 Patch Panel
connected to
BOARD 1 (MASTER)