

Application Note for FTX100 Connections

FTX100 H-bridge amplifier is used to drive the small TEC modules that use DC voltage less than 7V., The maximum current is 6 amps and maximum power output is 42 watts. The connections are explained here:

- (A) Two-pin Green connector on the left: This is the DC power source requirement for the TE modules. Users need to know what voltage they're planning to use on the TE module(s).
- (B) Two-pin White connector on the left: you need a fixed 5V DC power source. It drives the circuit of the bridge amp PCB.
- (C) Four-pin White connector on the left: The 4-singal pins should connect to the TE temperature controller. (ex: FTC100 or FTC200)
- (D) Two-pin Green Connector on the right: connect them to TE module directly

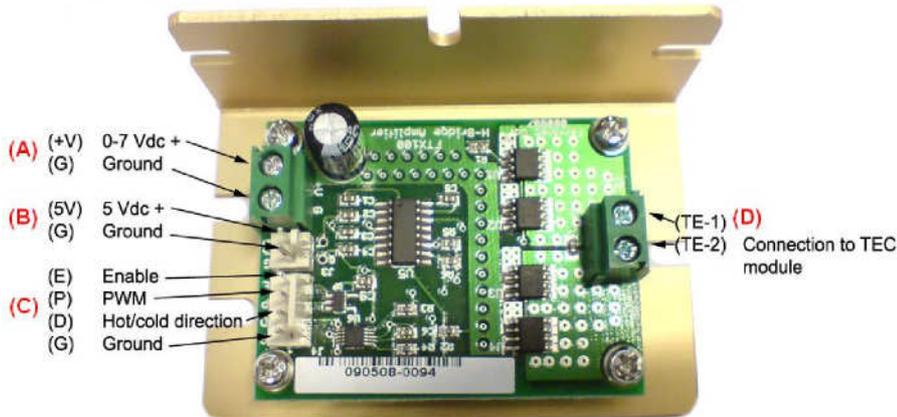
Usage example: If you want to supply 3.5V dc to your TE module, then you need a PSU that can supply 3.5V and connect the power from PSU to (A) connections (and make sure the polarity is matching). Or if you have 5V TE module, then you can have one 5V PSU connecting to both (A) and (B) connectors.



(A) 0~7V Adjustable
DC Power Supply



(B) +5VDC Power Supply



FTX100 H-Bridge TE Amplifier



(C) TE Controller



(D) TEC Module (Peltier Device)