



Plantation Productions, Inc.  
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 TITLE: EthernetWD.MT  
 Design by: Randall Hyde  
 Date: not saved!  
 REV: 7  
 Sheet: 1/2

Rev 2:  
Changed silkscreen layers for certain text.  
Reversed Polarity of barrel jack.  
Moved power terminal (2-pin) behind barrel jack.  
Unmerged IN7 & IN8 signals.  
Removed Elecfreaks interface.  
Added separate Ethernet reset line.  
Added Auxilliary I/O header.  
Added test points.  
Reversed pins on ULN2308 to improve PCB layout.  
Added second relay connector with reversed pins.  
Added TRIP header (on-board WD trip signal).  
Added ground traces between relay and relay connectors on all layers of the PCB.

Rev 3:  
Moved Teensy, power connectors, power LED, and HB LED to allow a USB cable to connect to the Teensy.  
Rearranged headers to make them easier to connect to the Ethernet and relay boards.  
Eliminated product-specified Ethernet connection and added an Adafruit Feather interface to allow installation of generic devices (e.g., Adafruit Ethernet Featherwing).

Rev 4:  
Corrected bad Feather layout.  
Reversed pins on auxiliary connector on bottom of Teensy.  
Added CH1/CH2 LEDs.

Rev 5:  
Minor changes to signal names on schematic (to match HDD).  
Moved some components away from the PCB edge.

Rev 6:  
Swapped pins on power connector.

Rev 7:  
Moved the relay connectors to line up with the connections on the relay board. Rotated feather connectors.  
Moved several parts around.  
Switched board to four layers.  
Removed 1000 uF capacitor.  
Changed LED resistors to 390 ohms. Put buffers on external ETH pins.  
Added Qwiic connector and I2C pullup resistors.

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