AZ-Touch Feather

Top wall enclosure with touchscreen for Feather boards

Features enclosure and pcb:

- top wall mounting enclosure
- 2.8 inch (7.11 cm) tft screen with 320 x 240 pixel resolution
- SPI display controller ILI9341
- Resitive touch with SPI touch controller XPT2046
- Integrated 5V/1.7A voltage regulator (Vin 9…35V DC)
- Integrated prototyping area
- 6-pin removable terminal block for prototyping area & power supply
- Marked and connected GPIO & power pins beside the proto area
- Integrated piezo beeper
- Plug-in positions for feather shaped microcontroller boards
- Vented cover to allow through air flow
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Enclosure:
- Outside dimensions: 120mm x 80mm x 35mm (W x H x D)
- Breadboard area: 43mm x 39mm (W x H)
- Material: ABS
- Finish top shell: white
- Finish bottom shell: white

Features voltage regulator:
- Input voltage: 15 – 30V DC
- Output voltage: 5V / 1.7A DC

Compatibility:
- Adafruit™ Feather boards
- Sparkfun™ Thing Plus boards
- Particle™ Boron/Argon

Applications:
- Home automation
- Door access and door control
- HVAC applications
- Internet of Things (IoT)
- Intelligent wireless light switch
- Metering
- Intruder alarm systems
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Features main board:

1. Terminal for power supply & proto board
2. Socket for Feather shaped microcontroller board
3. Voltage regulator (9..35V Vin / 5V Vout)
4. Piezo beeper
5. Breadboard / proto board area
6. GPIO pins for proto board
7. Header for touch screen
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Used pins of feather board:

- TFT LED
- BEEPER
- TFT CS
- TFT DC
- TOUCH CS
- TOUCH IRQ
- (BEEPER ESP8266)

* Please note: For HuzzahESP8266 the Beeper is on 5 and the TFT_LED pin is not in use.