



ZYTRONIC DATA SHEET

ZXY100™

The ZXY100™ controller range is designed to cover the full range of PCT™ touch sensors manufactured by Zytronic

ADVANTAGES

- Single touch and, when running the appropriate operating system simple gesture recognition
- Small footprint and chipset option to assist space saving designs
- ARM 32-bit Cortex microprocessor enables rapid touch detection
- Firmware can be updated easily and remotely, latest Zytronic designed ASIC and firmware algorithms designed to optimise signal to noise levels
- Detachable and completely independant of the touch sensor
- Output protocol available on request
- Native driver support for Windows 7, 8 and 10, as well as Linux
- Range of other operating systems supported

ZXY100™ - U-OFF-32 / ZXY100® - S-OFF-32

USB or Serial versions suitable for sensors from 5"-18"



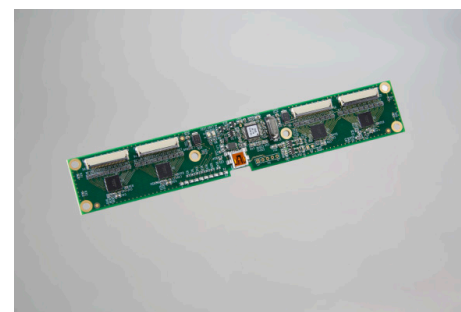
ZXY100™ - U-OFF-64 / ZXY100® - S-OFF-64

USB or Serial versions suitable for sensors from 19" - 47"



ZXY100™ - U-OFF-128 / ZXY100® - S-OFF-128

USB or Serial versions suitable for sensors from 47" and above.



ZXY100 CHIPSET

In addition, subject to special agreement, Zytronic will supply the programed ARM, ASICs and reference design files to enable customers to embed the controller onto a suitable existing motherboard within their system. USB or Serial versions suitable for sensors from 47" and above

ZXY100[®]

CONTROLLER

- X - Y co-ordinate update rate, 1mS (based on 32 input controller and 15"screen)
- Glass thickness operations 0.7mm - 20mm
- Accuracy <1mm (based on 32 input controller and 15" screen)
- On board voltage 3.3V and 4.7mm
- Input voltage USB 5V; Serial 5V +/- 5%
- Current consumption 40 -60 mA

- Power consumption 0.2 - 0.3 Watts
- Supports sensors from 5" - 85"
- Controller recognised as HID device in Linux 3.5.1+ Kernel, Win 7, 8 & 10 operating system
- Configuration tool software (ZyConfig™) is available to download from the Zytronic website to enable controller sensitivity settings to be adjusted in Windows and Linux operating systems
- Controller output protocol available

APPROVALS

RoHS Compliant

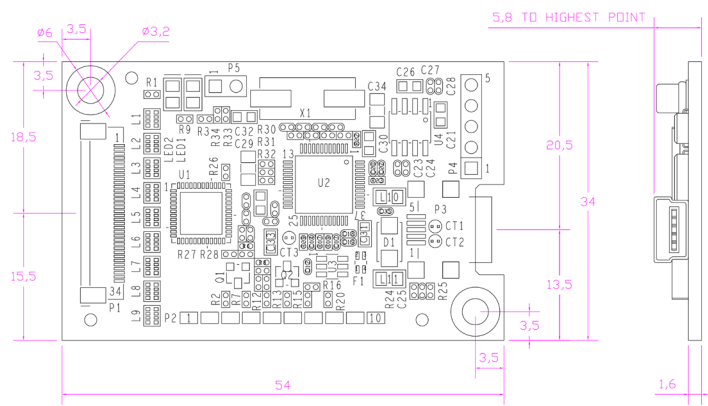
CE, FCC (Class B) & UL approved

www.zytronic.co.uk/support/quality-assurance

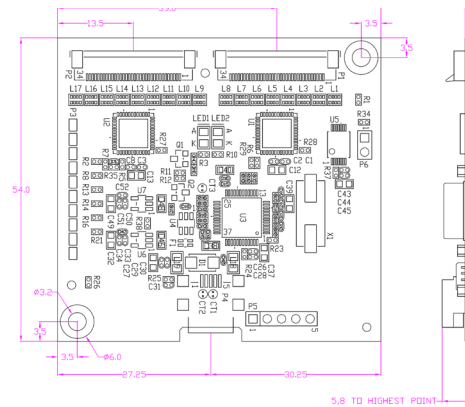
DRAWINGS

USB

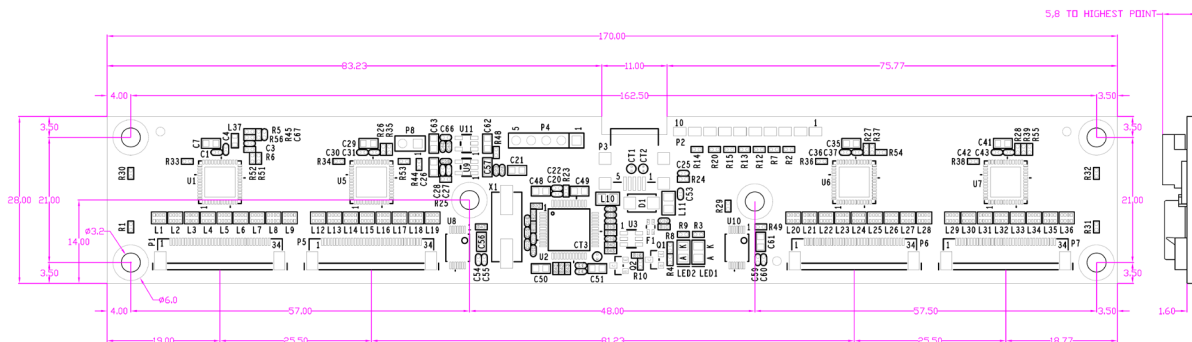
Front View: ZXY100 - U-OFF-32



Front View: ZXY100 - U-OFF-64



Front View: ZXY100 - U-OFF-128



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