PiX ELECTRONICS
creative electromechanical design

22/7 ™

General Purpose Shield for Raspberry Pi models B3, B2 and B+

A stackable shield for Raspberry Pi, the General Purpose model is a building block for a multitude of applications.

Home Automation   System Control   DC/EC motors   Education

♦ Fully stackable

♦ Same footprint as Raspberry Pi HAT

♦ Inputs: 2ch ADC, 1-Wire/Digital

♦ Outputs: PWM, 2x changeover relays, 5V @500mA, 3.3V @300mA

♦ Unused GPIO's available via stackable header

♦ Breadboarding area

♦ Access to Camera and Display ports

40 PIN HEADER
Choice of stackable or
non-stackable

BREADBOARDING AREA
11x GPIO's
3V3 and GND
Tracked on solder side

ADC PORT
2 channels
0 to 3V3
Access via SPI

1-WIRE PORT
5V power
Level shifter to 3V3
May also be used as a
conventional digital
input
Access via GPIO4

PWR PORT
5V @ 500mA
3V3 @ 300mA
Polyfuse protected

PWM PORT
Selectable external supply
up to 60V or internal 5V
Access via GPIO18

RELAY PORT
Changeover contacts
60Vdc 72W max
Access via GPIO17

RELAY PORT
Changeover contacts
60Vdc 72W max
Access via GPIO22