Order Code - 52072C
Arduino Application Board

- In-Built Power Supply of 3.3V,+5V & +12V with Power ON indication
- Attractive ABS Plastic enclosures
- Set of 0.8mm single stand wires for interconnections

LIST OF EXPERIMENTS

- Starting and connecting Arduino board with Computer
- Displaying different LED patterns with Arduino
- LCD interfacing with Arduino
- DC Motor Interfacing with Arduino
- Buzzer & relay interfacing with arduino
- Displaying Time over 4-Digit 7-segment Display using Arduino
- Fingerprint Sensor interfacing
- GPS Module Interfacing
- Visitor Monitoring with Camera interfacing.

SPECIFICATION

- ARDUINO UNO/MEGA BOARD
  - Microcontroller ATmega328
  - Operating Voltage 5V
  - Input Voltage (recommended) 7-12V
  - Input Voltage (limits) 6-20V
  - Digital I/O Pin14 (of which 6 provide PWM output)
  - Analog Input Pins 6
  - DC Current per I/O Pin 40 mA
  - DC Current for 3.3V Pin 50 mA
  - Flash Memory 32 KB (ATmega328) of which 0.5 KB used by bootloader
  - SRAM 2 KB (ATmega328)
  - EEPROM 1 KB (ATmega328)
  - Clock Speed 16 MHz
- On Board Applications
  - 4 Input Switches to give Digital Input
  - 4 LEDs to display Digital Output
  - 4 digit Seven segment displays
  - 16*2 Alphanumeric LCD
  - Miniature Buzzer
  - 12V SPDT Relay
  - Fingerprint Sensor Module
  - RFID Sensor Module
  - Neo 6m v2 GPS Module
  - 16 Bit I2C 4 Channel ADC using ADS1115 module
  - 40 Pin GPIO Extension Board for Arduino
  - Pilot lamp Indicator
- Interconnection
  - All interconnections are made using 0.8mm Single stand wires.
- Test points are provided to analyze signals at various points.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.

Note: Specifications are subject to change.

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