

Flexcomm MultiFunctional PCBA Tester Product Brief



Product Overview

Multifunctional PCBA Tester is mainly used for PCB survey while assembling. It is able to test the status of electrifying current, resistance, voltage, frequency, bus timing and logic states. During the testing, failure can be cautioned by means of LED indicator lights, buzzer alarm and the result displaying on screen. Our Multifunctional tester helps customers to improve production corrective capacity, go to unqualified ones' failure portion in good time so as to enhance failure eliminative ability, reduce bad ratio.

The tester makes possible that your PCB assembling is nothing the matter. And it makes your cost much less.

Front Panel and Key-press



- "On" Button: Power supply to testing board, input "minus" when setting voltage parameters
- Direction Key: 4 directions "Up, Down, Left, Right"
- "BACK/OFF" Button: Cancel current choice and go back to upper menu or cut off the electricity to boards
- 0~9: 10 buttons, setting display precision and test standard values
- "Setup" Button: Press and enter into "Setup" mode
- "Test" Button: Press and enter into "Fast Testing" mode
- "ESC" Button: Exit "Setup" mode
- "Enter" Button: Confirm choices

Hardware Specification

| Feature | Specification |
|---------------|---|
| CPU | Silicon Labs C8051F120, include 128KB Flash, 12-Bit ADC |
| FPGA | Lattice LFXP3C-3T144CES |
| RAM | 32KB SRAM |
| FLASH | 128KB Flash |
| EEPROM | 16KB EEPROM |
| Buzzer | Alarm error |
| Power Supply | 12V 2A DC |
| LCD Indicator | Single Color, Blue Background; Definition 320x240 |
| Indicator | 8 LED: Power, Run, Error, RX, TX, On, ESC, Setup and Test |
| Keypad | 6 function-buttons: ESC, Setup, Test, Enter, On, Off & Back |
| | 4 way button: Up, Down, Left and Right |
| | 10 digital-buttons: from 0 to 9 |
| JTAG | One 2x5 HDR for CPU JTAG |
| | One 2x5 HDR for RS232 |
| | One 1x10 HDR for FPGA JTAG |
| | One 2x20 HDR for LCD connect |