

#688 PCBA Function Tester user manual

1、 Purpose:

The purpose of this tester is applies to test the width、 interval and amount of output pluses for four output modes: TOF、 DBS、 PTC、 1HZ。 To assure the PCBA Function is normal

2、 Test principle

The tester is used a single microchip as a controller to control switches 4 difference modes, and measure the width 、 interval、 amount of output pluses of each mode, and then save the test data of last device under test for any query after tested 。 The specification for all parameters as table A.

	TOF	DBS	PTC	1Hz
Width	200uS	200uS	200uS	200uS
Interval	500mS	19.7 + 770 mS	19.7mS	1000mS
Amount	4	3+2	251+...	...

3、 Test procedure

a. Connect 220V/AC power.

b. Power switch on, and the system will displays “waiting for test...”

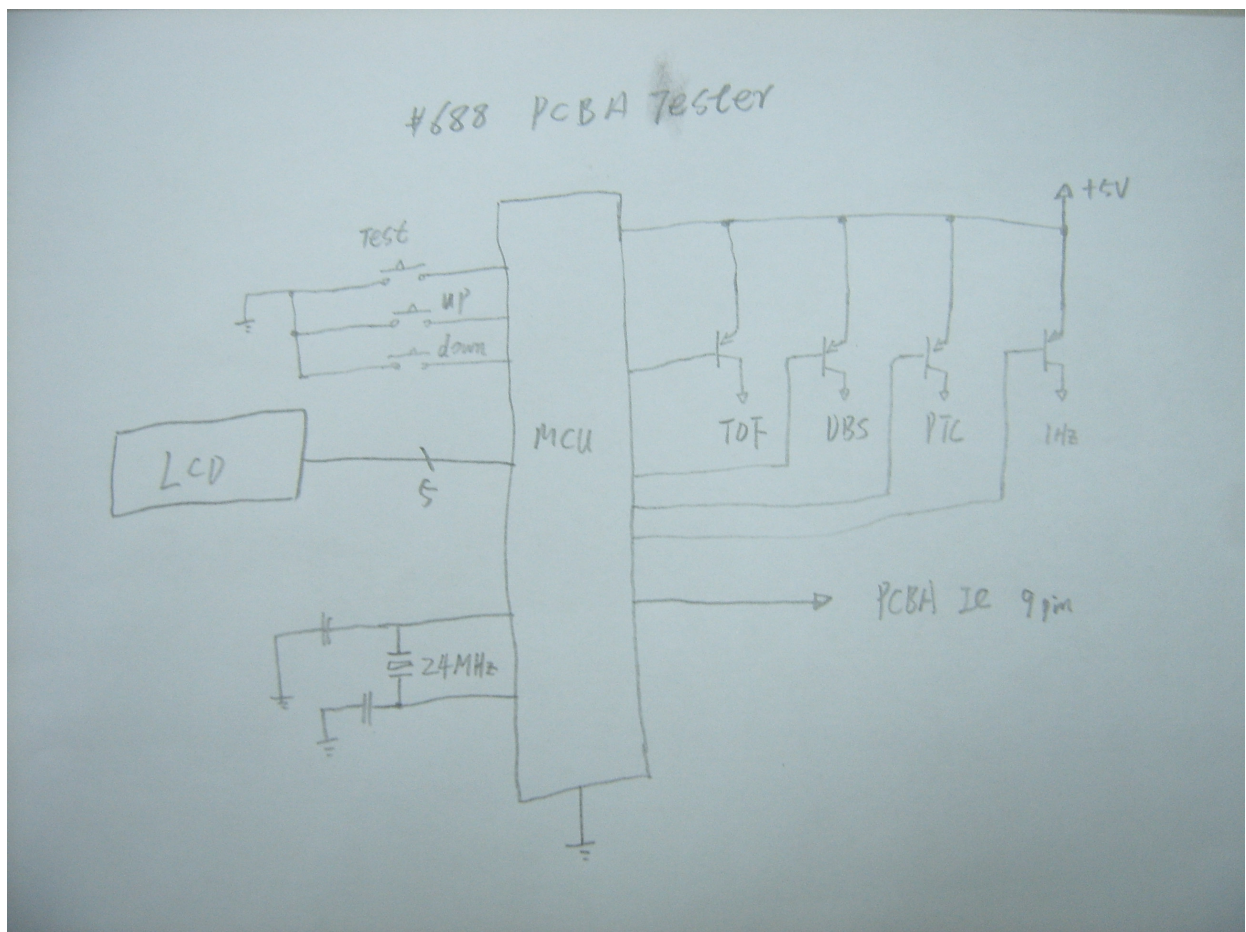
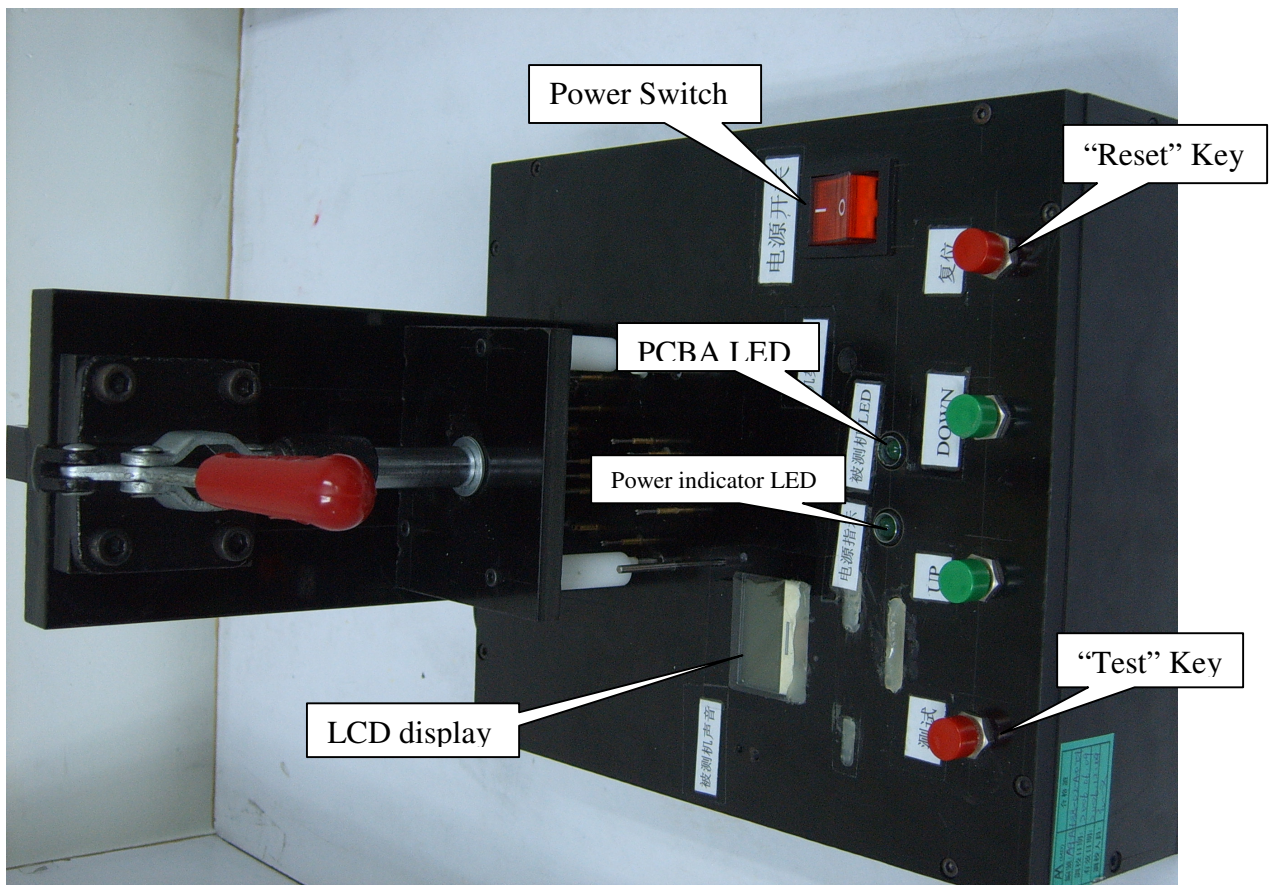
c. Fix the DUT (device under test) onto the tester.

d. Press “test” switch for testing, then the system will according to following flow to complete all tests:

waiting for test → press “test” switch → open T.O.F mode and measure data → save test data of T.O.F mode → open D.B.S mode and measure test data → save test data of D.B.S → open P.T.C mode and measure test data → save test data of P.T.C → open 1 HZ mode and measure test data → save test data → return to “waiting for test” original mode .

e. Press “up” and “down” switch for data query of last DUT.

4、 Schematic of tester outline



5、 Calibration & maintenance

A. calibration

1. DC power supply at $5.0 \pm 10\%$ V.
2. The line connections are right.

B. maintenance

To clear pogo pin every 1 month.