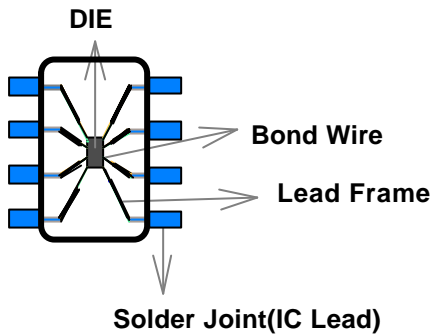
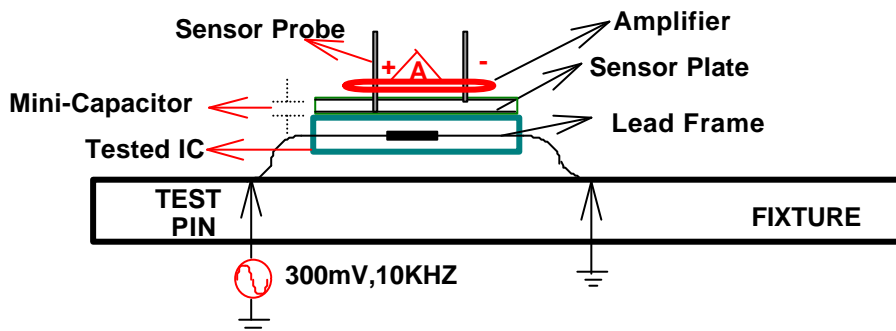


## Subject: Theory and application of Agilent TestJet technology

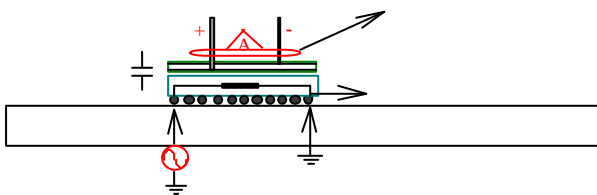
Inside IC Chip



### Structure of Agilent TestJet



### IC pin open

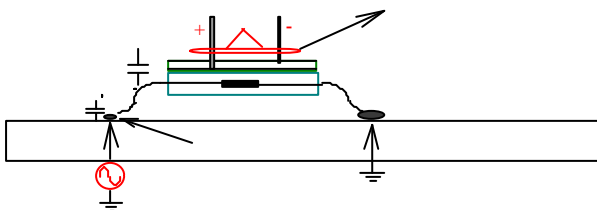


$$C_x > 20 \text{ fF (normal)}$$

$$20 \times 10^{-15} \text{ F}$$

$$1/C_T = 1/C_x + 1/C_y$$

$$C_T = 0 \text{ fF} = 0 \times 10^{-15} \text{ F}$$



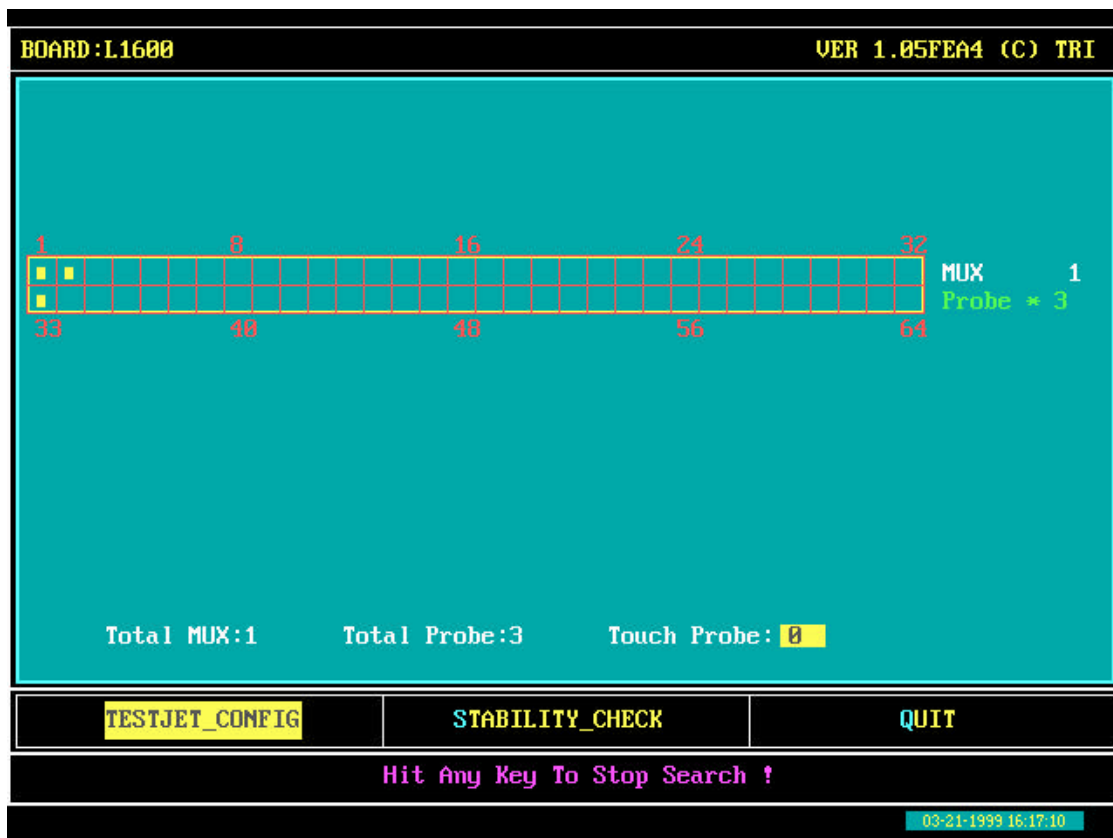
## 1. IC\_OPEN learning procedure

After setting up all the data for ICs under testing, the user can execute Open Test Data Learning. Enter OT\_LEARN command, the screen will display the same chart.. On the bottom of the screen, the user will be requested to input the begin IC number and the end IC number.

If the user need to use Multi-Board Copy command, they will be required to type the number of learning boards and the offset value of sensor probes.

## 2. How to check Mux card & HP control card

Enter TESTJET\_CONFIG command, the below graph will be displayed on the screen. This command shows you how many probes have been installed and the installation condition.



If the sensor probe is connected to the main unit, there will be a mark shown in its allocated position on the graph. If not, there could be a connection problem of the sensor probe. After entering TEST\_CONFIG command, the user can not see this graph on their screen. There could be two reasons to cause that: the first one is the 10 pin ribbon cable is not suitably wired to the control board; the second one is the signal conditioning board or TestJet control board is broken down.

When the Configuration screen is appeared, use a probe or your hand to contact the central hole of the sensor probe, and then the sensor probe number will be displayed on the screen immediately.