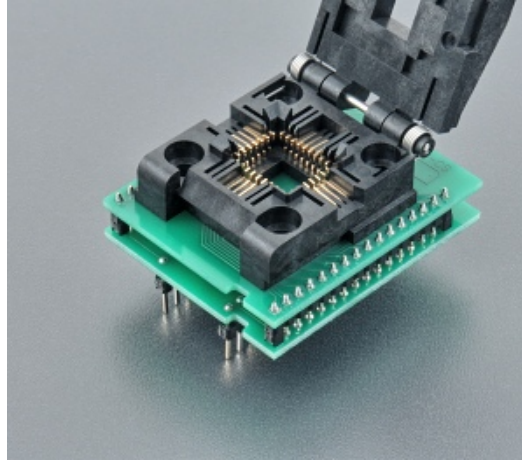# DIL32/PLCC32 ZIF-CS

Universal adapter, assigned for devices in PLCC32/LCC32 (for example EPROMs, EEPROMs, FLASHs, Serial FLASHs)
support also LCC32 packages
This adapter is designed for mass-production purposes
Operating (mechanical) warranty of ZIF socket - 10,000 actuations
Socket - ZIF PLCC32, ClamShell type
Bottom - 2 rows, 2x 16 pins, square, 0.6x0.6mm, rows spacing 600mil

Adapter manual

Insert adapter to the device programmer ZIF socket according to the picture placed near of it. If you have some doubts about orientation of this adapter in device programmer ZIF socket, it is valid general rule, the orientation of the text of title is the same as the text on the top of the device programmer.
Open the adapter ClamShell ZIF socket. Insert the device into it (place device on contacts). The right position of the programmed device in adapter ZIF socket is show at picture near (mainly left above) the adapter ZIF socket.
Visually check interconnection between device and adapter ClamShell ZIF socket. If everything looks OK, close it and now, device is ready for programming.
Be careful, because the incorrect insertion of adapter to the device programmer ZIF socket or device to the adapter ClamShell ZIF socket can damage the programmed device.
To take out the device, open adapter ClamShell ZIF socket and remove device from it.
When you finish work with adapter, remove it from the device programmer ZIF socket.
Do not directly touch the pins of the adapter and adapter ZIF socket, because dirt may cause errors during programming of device.
For handling with the device we recommended to use a vacuum pick up tool.
Operation conditions: operating temperature 5°C ÷ 40°C (41°F ÷ 104°F), operating humidity 20%..80%, non condensing.
The ZIF socket on the DIL32/PLCC32 ZIF-CS can accommodate the LCC32 package. A shim must be used to make up the difference in thickness between the PLCC and LCC packages. Therefore LCC thickness varies, the shim thickness will need to be determined for current LCC device by

Shim thickness = 4,6 mm (0.181 inch) - LCC device thickness

and cut to a size of 12mm (0.47inch) by 12mm (0.47inch). It should be affixed to the inside of the cover of the socket. Test close the socket, without a device, to confirm the shim does not interfere with the
interlocking parts of the socket.
If programming yields isn't 100% when using programming adapter or if some unreliability appears, try to connect one 22nF-100nF multilayer capacitor (that meet the EIA X7R or Z5U specification) between leads of adapter connected to pins VCC and GND pins of programmed chip.

Accepted package(s)

PLCC32

11.51 [0.453] max.

4.57 [0.180] max.

15.11 [0.595] max.
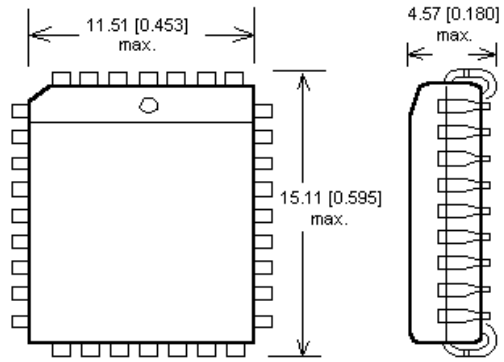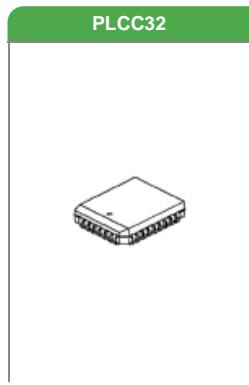
Usable for programmer(s):

BeeHive208S	BeeHive204	BeeProg2	BeeProg2C	SmartProg2	MEMprog2	BeeProg+	BeeHive8S
BeeHive4+	MEMprog	MEMprogL					