

Adapters

QFP80

Target CPU package: QFP80
 Body size: 12 mm x 12 mm
 Pitch: 0.5 mm
 POD target layout: T_QFP176

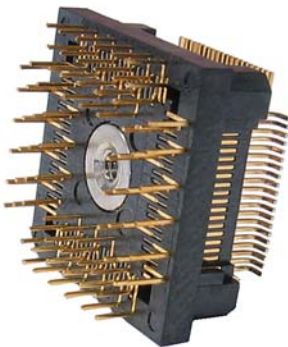
Can be used with:

- V850ES/Fx3 ActivePRO POD
- V850ES/Fx3 ActiveGT POD

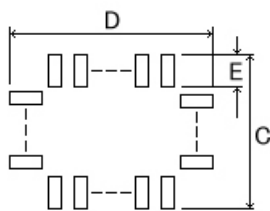
Note that adapter solutions stated in the document can be used only with listed PODs. Disregarding this warning may result in hardware failure of the target and the emulation system.

► Available Adapter Parts (by ordering code):

- **IA80ATQ-SOLDER**

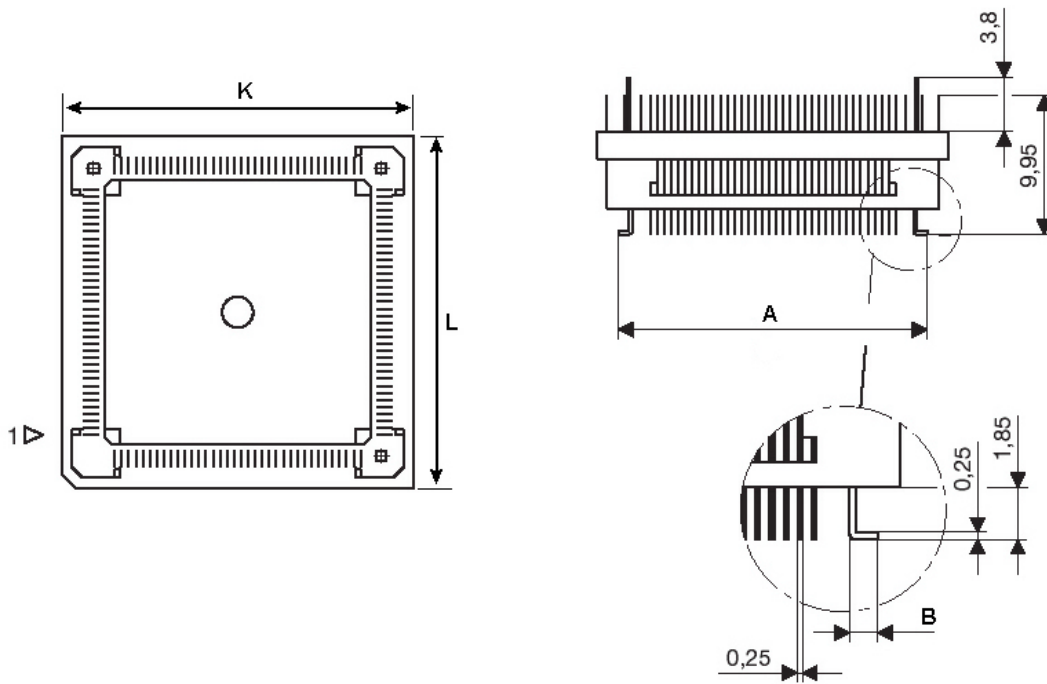


Solder part, which is being soldered to the target.



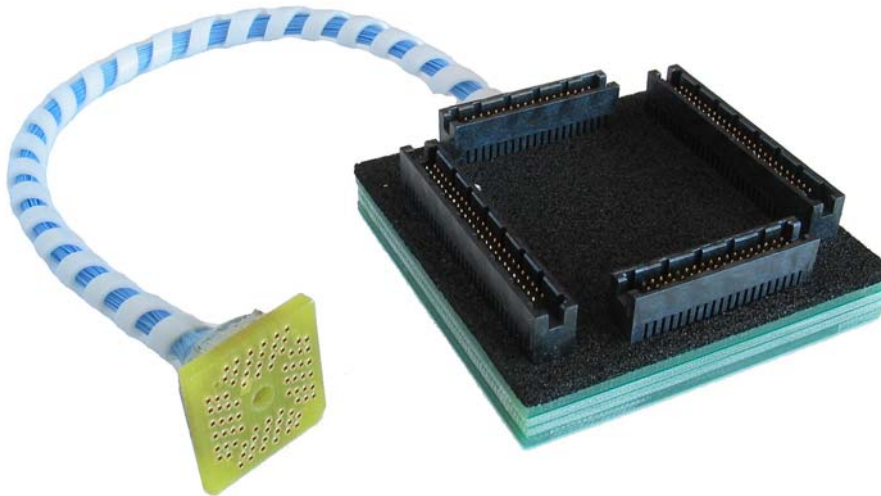
(Unit: mm)						
A	B	C	D	E	K	L
14	1.125	15.0	15.0	2.3	16.0	16.0

Recommended (by TET) PCB footprint size



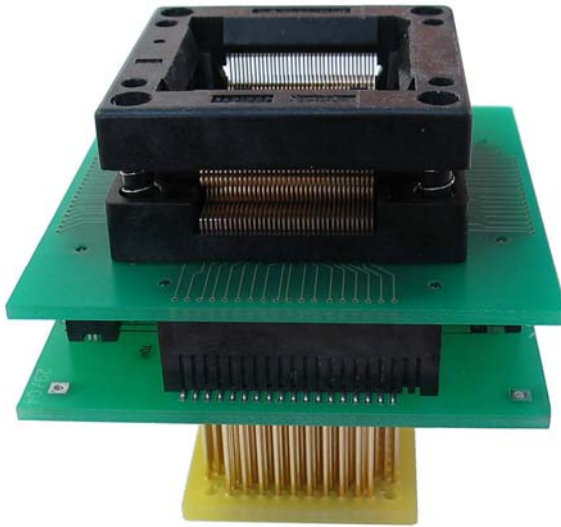
IA80ATQ-SOLDER dimensions

- **IA176P80ATQ-WFX3**



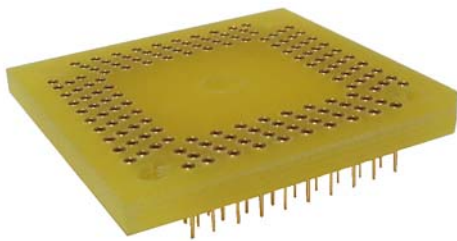
The IA176P80ATQ-WFX3 represents flexible connection between the POD and the target.

- **IA80ATQ-CPU**



The IA80ATQ-CPU is used to connect the CPU directly to the target. Above picture does not show exactly the IA80ATQ-CPU but IA144TQ-CPU which looks exactly the same considering that it has different pin count.

- **IA80ATQEXT**



The IA80ATQEXT is a 3 mm extension. It can be used as a “socket saver” to protect the more expensive IA80ATQ-SOLDER part which may be damaged due to the carelessness when connecting/disconnecting the POD from the IA80ATQ-SOLDER part.

► Assembly

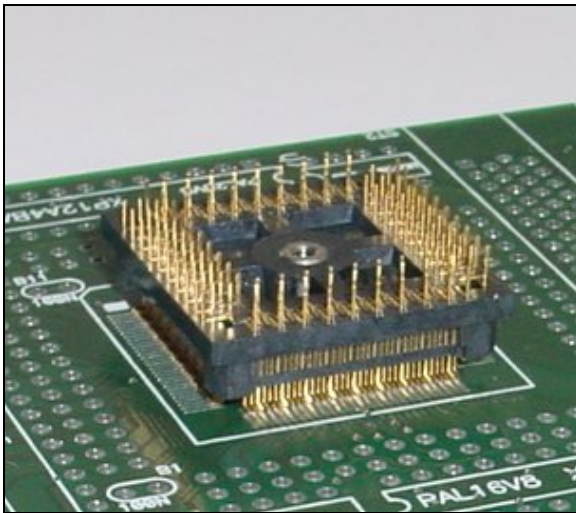
While assembling the adapter and connecting the POD to the target, pay attention to pin 1. Improper use of the adapter or even incorrect adapter used with your particular POD can damage the emulation system and the target.

1. First, connect the IA176P80ATQ-WFX3 to the POD.
2. Next, solder down the IA80ATQ-SOLDER to the target PCB
3. Finally, connect the POD to the soldered IA80ATQ -SOLDER via the IA176P80ATQ-WFX3.

Connecting the CPU directly to the target

The CPU can be connected directly to the target using the IA80ATQ-SOLDER in combination with the IA80ATQ-CPU. This solution is very suitable for an ultimate test.

Step 1: Solder the IA80ATQ-SOLDER to the target PCB.



Step 2: Insert the CPU into the IA80ATQ-CPU, which then connects to the IA80ATQ-SOLDER. IA80ATQ-EXT can be additionally used as a “socket saver” for the IA80ATQ-SOLDER.