
Adapters

QFP44 - TET

Target CPU package: QFP44
Body size: 10 mm x 10 mm
Pitch: 0.8 mm
POD target layout: T_QFP44

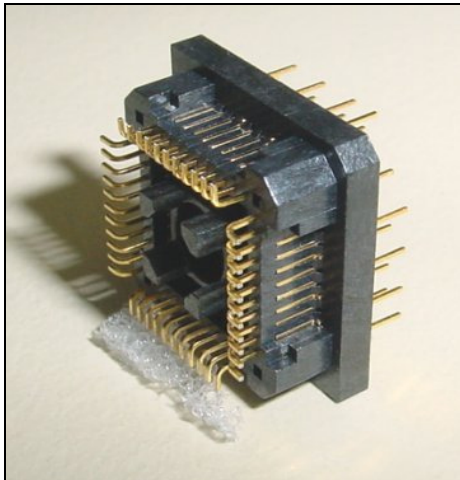
Can be used with:

- H-8xC52 POD
- ST7MC1/MC2 POD
- 68HC08GP POD
- 68HC08GP(JL) (II) POD
- 68HC08GT (II) POD
- 68HC08AP POD
- DS80C320/8031 POD (IC81025-30)
- EH-C505 POD
- 78K0/Kx1 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):

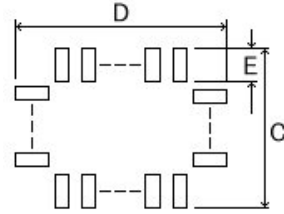
- **IA44TQ-SOLDER**



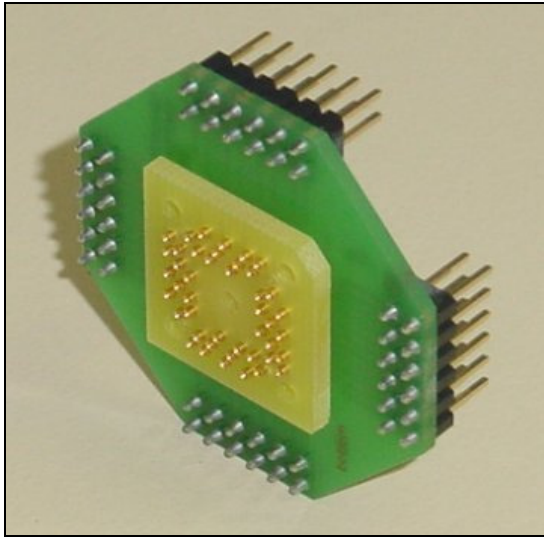
Solder part, which is being soldered to the target.

Recommended PCB footprint size (by TET):

(Unit : mm)		
C Size	D Size	E Size
13.0	13.0	2.0

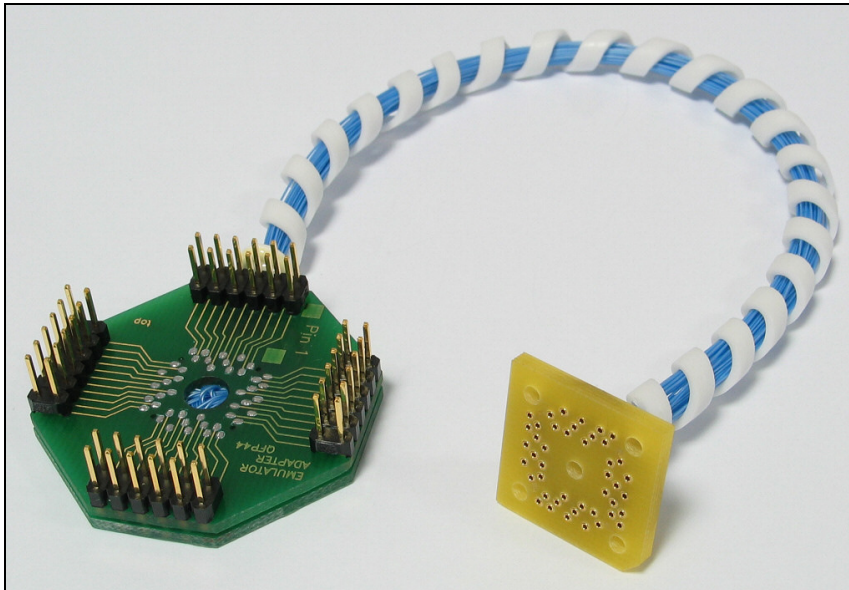


- **IA44TQ-FIXED**



The IA44TQ-FIXED represents fixed inflexible connection between the POD and the target.

- **IA44P44TQ-W**



The IA44P44TQ-W represents flexible connection between the POD and the target.

- **IA44TQSOC**

The IA44TQSOC is used to connect the CPU directly to the target.

- **IA44TQEXT**

The IA44TQEXT is 3 mm extension that can be used to extend fixed adapter. When used, it is connected on top of the IA44TQ-SOLDER.

Flexible Adapter

IA44P44TQ-W and IA44TQ-SOLDER are essential parts required to adapt the POD to the target QFP44 package.

► Assembly

While assembling the adapter and connecting the POD to the target, pay attention to pin 1 to prevent any damages of the hardware, which may result from incorrect assembly.

1. First, connect IA44P44TQ-W to the POD.
2. Next, solder down the IA44TQ-SOLDER to the target PCB
3. Finally, connect the POD to the soldered IA44TQ-SOLDER via IA44P44TQ-W.

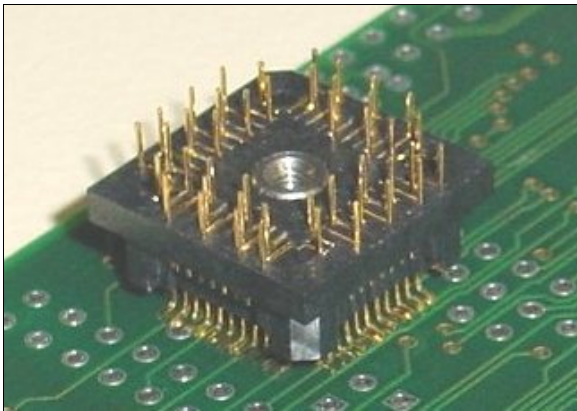
Fixed Adapter

The IA44TQ-FIXED and the IA44TQ-SOLDER are essential parts required to adapt the POD to the target QFP44 package. First, the IA44TQ-SOLDER is soldered to the target and then the POD is connected via the IA44TQ-FIXED.

► Assembly

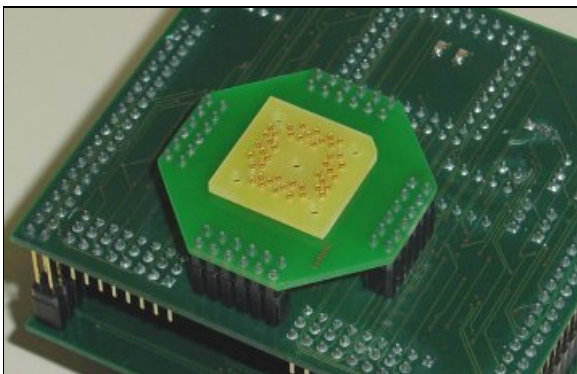
While assembling the adapter and connecting the POD to the target, pay attention to pin 1 to prevent any damages of the hardware, which may result from incorrect assembly.

Phase 1: Solder the IA44TQ-SOLDER to the target PCB.

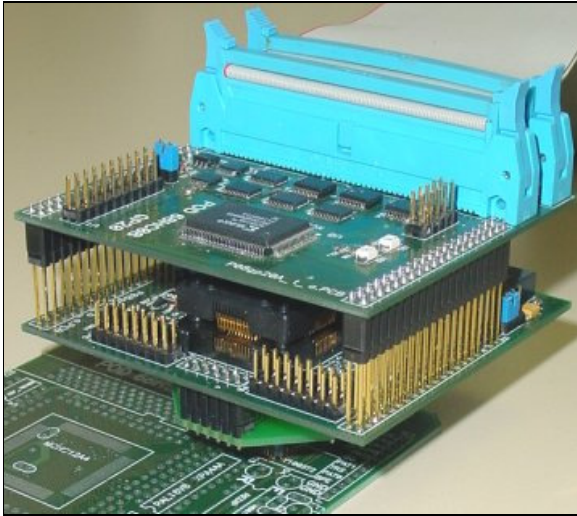


Now, if optionally the IA44TQEXT is used, it must be placed on top. It is not used in this particular case.

Phase 2: Connect the IA44TQ-FIXED to the POD.



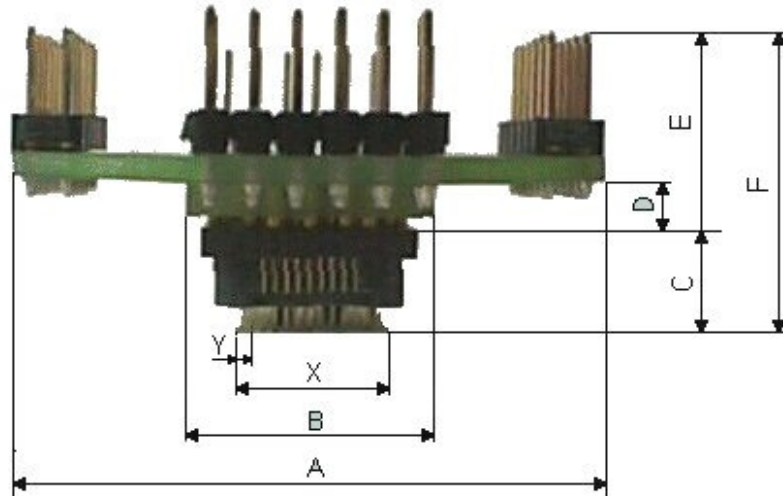
Phase 3: Connect the POD to the target via IA44TQ-FIXED.



Note that some precaution must be taken to the POD adaptation after the POD is connected to the target. Otherwise, the part soldered to the target may break off.

► Dimensions

(Unit : mm)	A	B	C	D	E	F	X	Y
Fixed Adapter - QFP44	41 x 41	17 x 17	8	3	13	21	12 x 12	1.325



Inserting the CPU to the target

Using the IA44TQ-SOLDER and the IA44TQ-FIXED in combination with the IA44TQSOC, the CPU can be connected to the target. It is very suitable for final tests.



Note that above picture does not depict actual QFP44 adapter parts.

Notes: