

## Adapters

### QFP48

Target CPU package: QFP48  
 Body size: 7mm x 7mm  
 Pitch: 0.5 mm  
 POD target layout: T\_QFP48

Can be used with:

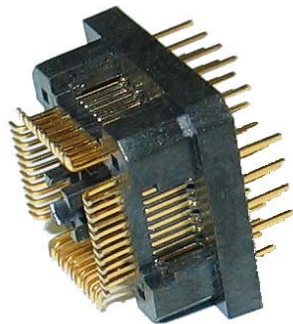
- 68HC08AP POD

This adapter is used when listed PODs emulate target CPU in the QFP48 package.

**Described adapter parts 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):

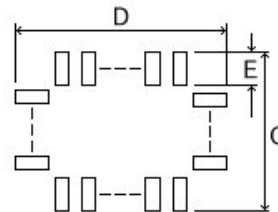
- **IA48TQ-SOLDER**



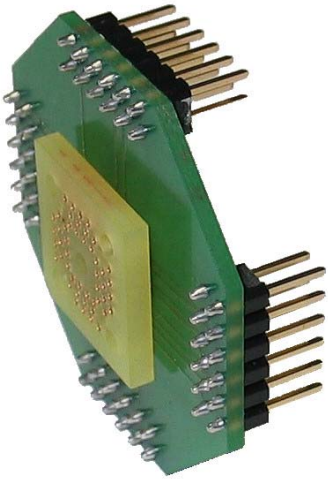
*Solder part, which is soldered down to the target.*

Recommended PCB footprint size (by TET):

(Unit : mm)		
C Size	D Size	E Size
10	10	1.75

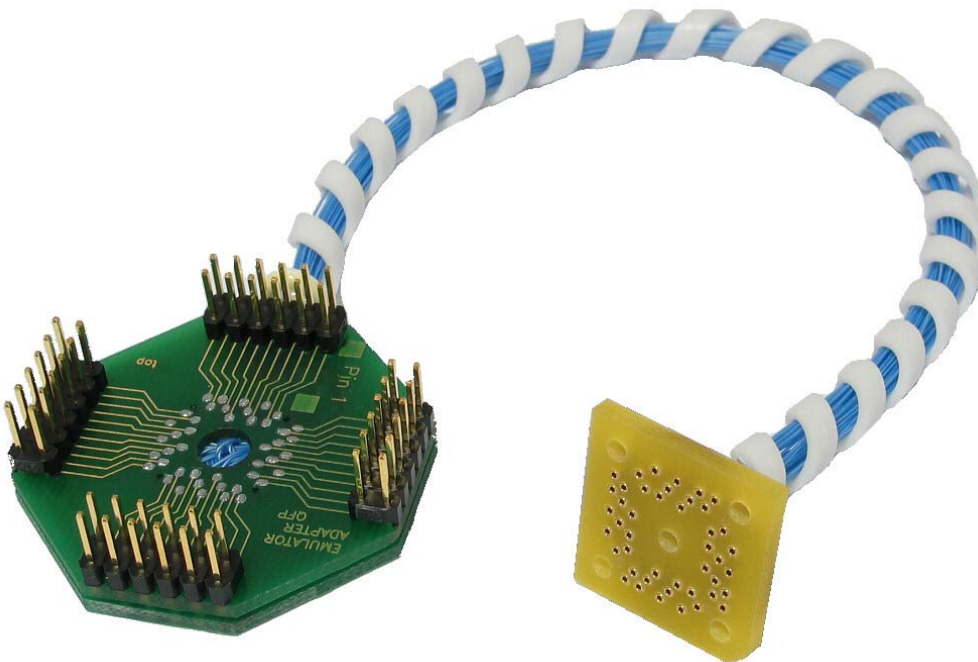


- **IA48TQAP-FIXED**



*IA48TQAP-FIXED represents fixed connection between the POD and the target.*

- **IA48TQAP-WIRE**



*IA48TQAP-WIRE represents flexible connection between the POD and the target.*

# Flexible Adapter

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IA48TQAP-WIRE and IA48TQ-SOLDER are essential parts required to adapt the POD to the target QFP48 package.

## ► Assembly

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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.

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1. First, connect IA48TQAP-WIRE to the POD.
2. Next, solder down the IA48TQ-SOLDER to the target PCB
3. Finally, connect the POD to the soldered IA48TQ-SOLDER via IA48TQAP-WIRE.

# Fixed Adapter

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IA48TQAP-FIXED and IA48TQ-SOLDER are essential parts required to adapt the POD to the target QFP48 package.

## ► Assembly

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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.

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1. First, connect IA48TQAP-FIXED to the POD.
2. Next, solder down the IA48TQ-SOLDER to the target PCB
4. Now, fasten the plastic posts delivered beside the POD to improve the mechanical stability of the POD connected to the target. Stick the posts on the bottom side of the POD.



*The picture depicts use of plastic posts.*

5. Finally, connect the POD to the soldered IA48TQ-SOLDER.

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

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