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## Adapters

### IA44POD32GR8

Target CPU package: QFP32  
Body size: 7 mm x 7 mm  
Pitch: 0.8 mm  
POD target layout: T\_QFP44

Can be used with:

- 68HC08GP POD (IC20072)
- 68HC08GP(JL) POD (IC20077)

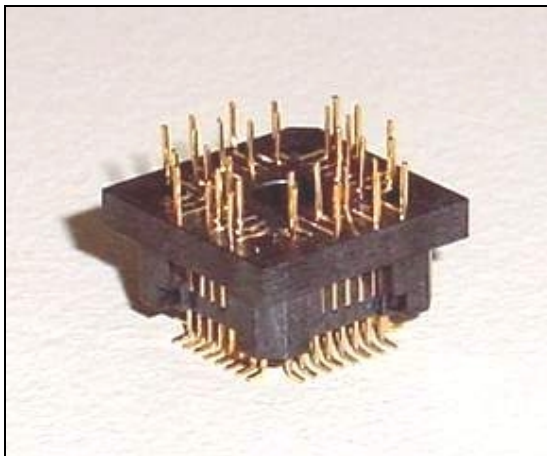
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**Note that adapter solutions stated in the document can be used only with listed PODs. Disregarding this warning may result in hardware failure of the target and the emulation system.**

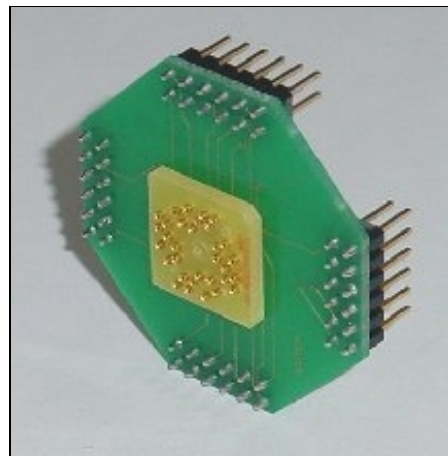
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The IA44POD32GR8 adapter consists of TET parts and it is used only when the POD emulates the target 68HC08GR8 CPU in the QFP32 package.

The IA44POD32GR8 adapter consists of two parts. In this document, they are named IA32TQ-SOLDER and IA44POD32GR8-FIXED to simplify the assembly instructions. Note that the IA44POD32GR8-FIXED is not the ordering code. However, IA32TQ-SOLDER part can be ordered as a spare part under its name.



IA32TQ-SOLDER



IA44POD32GR8-FIXED

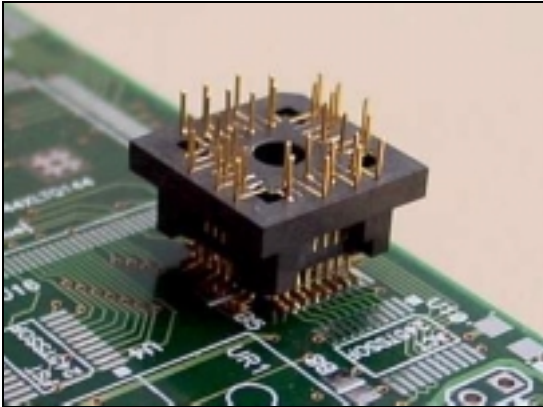
## ► Assembly

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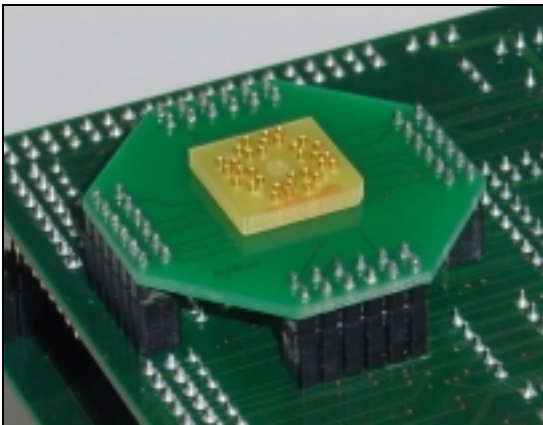
While assembling the adapter and connecting the POD to the target, pay attention to pin 1 to prevent any damages of the hardware, which may result from incorrect assembly.

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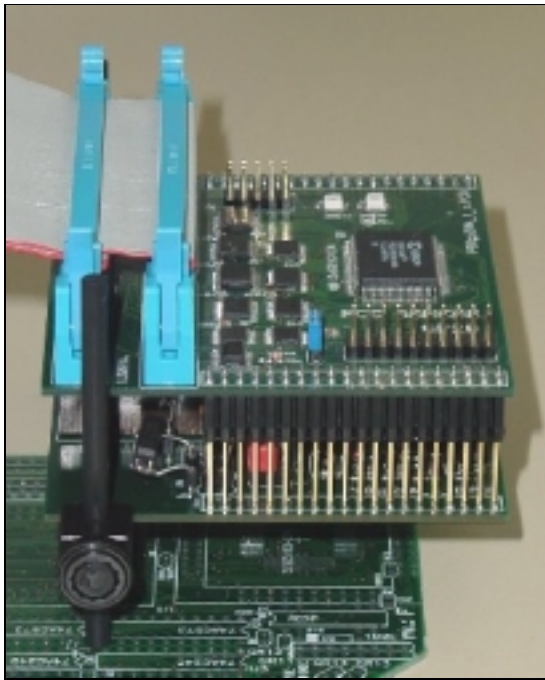
**Phase 1:** Solder the IA32TQ-SOLDER to the target PCB.



**Phase 2:** Connect the IA44POD32GR8-FIXED to the POD.



**Phase 3:** Connect the POD to the target via IA44POD32GR8-FIXED.  
It is recommended to use plastic posts (if shipped with the POD), to establish adequate mechanical stability.



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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 to the target may break off.

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► Dimensions

(Unit : mm)	A	B	C	D	E	F	X	Y
<b>IA44POD32GR8</b>	40 x 40	14.5 x 14.5	7.5	3.5	13.5	21	9.2	1.125

